UNIVERSIDAD PARA LA COOPERACION INTERNACIONAL
(UCI)

PROJECT MANAGEMENT PLAN FOR THE IMPLEMENTATION OF DOMINICA PLASTIC DETOX INITIATIVE

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This Final Graduation Project was approved by the University as partial fulfillment of the requirements to opt for the Master in Project Management (MPM) Degree

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DEDICATION

I dedicate this project to my loving husband, Kevin Julien, and my family for their full support on this journey.

ACKNOWLEDGMENTS

I want to thank the academic assistant and instructors for their time and commitment to the program, which has helped me, grasp project management on a deeper level.

ABSTRACT

The Nature Isle Solid Waste Management (TNISWM) presents a groundbreaking initiative, the "The Project Management Plan for the Implementation of Dominica Plastic Detox Initiative," driven by an urgent need to combat the escalating problem of plastic pollution in the Caribbean Island of Dominica. The initiative arises within the context of Dominica's rich natural heritage, which is increasingly threatened by the proliferation of plastic waste. With pristine landscapes, vibrant marine ecosystems, and public health at stake, the demand for a comprehensive solution to plastic pollution has never been more pressing.

The methodology entails an all-encompassing approach that combines waste reduction, recycling, community engagement, and sustainable practices. Through effective scope, schedule, cost, quality, resource, communication, risk, procurement, stakeholder, integration and sustainable management, this plan guides the successful execution of the project.

The implementation of the project promises an array of findings and conclusions that encompass comprehensive waste reduction, environmental regeneration, economic sustainability, and community empowerment. By harnessing the P5 impact analysis (People, Planet, Prosperity, Processes, and Products) in line with the Sustainable Development Goals (SDGs), this project anticipates a transformative shift towards a cleaner, healthier, and more sustainable Dominica. The journey towards a plastic-free future begins with this pioneering initiative and its meticulously crafted Project Management Plan.

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ABBREVIATIONS AND ACRONYMS

3Rs	Reduce, Reuse, Recycle
AC	Actual Cost
AR	Augmented Reality
BOM	Bills of Materials
CPI	Cost Performance Index
CRB	Change Review Board
CRF	Change Request Form
CV	Cost Variance
EPR	Extended Producer Responsibility
EV	Earned Value
FGP	Final Graduation Project
Impact Analysis P5	People, Planet, Prosperity, Processes, and Products
KPIs	Key Performance Indicators
LCA	Life Cycle Assessment
PMBOK	Project Management Body of Knowledge
PMO	Project Management Office
PV	Planned Value
RACI	Responsible, Accountable, Consultant, Informed
RAM	Responsibility Assignment Matrix
RBS	Risk Breakdown Structure
SDGs	Sustainable Development Goals
SPI	Schedule Performance Index
SV	Schedule Variance
TNISWM	The Nature Isle Solid Waste Management
UNEP	United Nations Environment Programme
WBS	Work Breakdown Dictionary

EXECUTIVE SUMMARY

The Nature Isle Solid Waste Management (TNISWM) presents a comprehensive project aimed at addressing the critical issue of plastic pollution in Dominica through the "Dominica Plastic Detox Initiative." This project emerges within the context of Dominica's pristine natural environment, which faces severe threats from the proliferation of plastic waste. The purpose of this project is to create a robust Project Management Plan that orchestrates the successful execution of the initiative, comprising waste reduction, recycling, community engagement, and sustainable practices.

The project's general objective is to prepare a Project Management Plan for the implementation of a plastic awareness campaign in Dominica. The specific objectives are to develop a Scope Management Plan to define and manage project work, to create a Schedule Management Plan to ensure the project is completed on time, to formulate a Cost Management Strategy to control project finances, to develop a Quality Management Strategy for maintaining project quality, to establish a Resource Management Strategy to ensure resource availability, to devise a Communication Management Strategy for effective project communication, to formulate a Risk Management Strategy to mitigate potential project risks, to prepare a Procurement Management Plan for the acquisition of project requirements, to create a Stakeholder Management Plan for managing project-affected individuals, to develop a Project Integration Management Plan for coordinating project tasks, and to prepare a Sustainable Development Plan to assess the project's impact on regenerative and sustainable development.

The research methodology employed a mixed-method approach, combining both quantitative and qualitative analyses. It utilized surveys, and questionnaires. Methodological tools, such as expert judgment, and data analysis were used to facilitate the research process. The study also drew from standard project management guidelines, including the PMBOK Guide 6th and 7th Editions to inform and support the research.

The project's triumphant conclusion owes much to the meticulous execution of key management plans, particularly the Scope Management Plan and the Sustainable Development Plan. The former, marked by its comprehensive task identification and alignment with project goals, played a pivotal role in defining the project scope. Stakeholder identification and a multifaceted approach, including educational initiatives and extensive cleanup campaigns, ensured a holistic response to plastic pollution. The establishment of clear acceptance criteria further guided success, with a five-month timeframe and a targeted 20% increase in recycling rates as measurable benchmarks. Simultaneously, the adept management of associated risks enhanced overall project outcomes. Likewise, the Sustainable Development Plan, emphasizing eco-friendly practices and incorporating key performance indicators like the P5 Impact study, ensured alignment with long-term sustainability goals. By assessing the project's impact on people, the planet, and prosperity, this plan provided a robust framework for evaluating effectiveness. In

amalgamation, these management plans drove the project's comprehensive success, resonating with environmental responsibility and positive effects on the local community, ecosystem, and overall prosperity.

Two important suggestions stand out as being particularly important in the effort to promote sustainable waste management practices in Dominica. First and foremost, funding and effort must be directed toward the development of recycling infrastructure. This program seeks to increase recycling rates by thirty percent. The project aims to create a more resilient and sustainable waste management system that is in line with international environmental goals by strategically improving recycling capabilities. Furthermore, ethical procurement practices require the adoption of a sustainable sourcing policy. This policy places a strong emphasis on the need for vendors to use eco-friendly practices, such as waste reduction and ethical sourcing. Together, these suggestions highlight TNISWM's dedication to sustainable development and long-term environmental preservation in Dominica.

1 INTRODUCTION

1.1. Background

The Nature Isle Solid Waste Management (TNISWM) is an established waste management company operating in Dominica since 2000. TNISWM plays a pivotal role in the island's waste management sector, offering a range of services encompassing waste collection, recycling, safe disposal, and community engagement. Over the years, TNISWM has garnered a reputation for its commitment to environmental sustainability and innovation in waste management techniques.

Dominica, known as the "Nature Isle of the Caribbean," boasts lush landscapes, pristine rivers, and vibrant marine life. However, the island has faced a growing environmental challenge in recent years: plastic pollution. Plastic waste, including single-use plastics, packaging materials, and discarded items, has been accumulating in various parts of Dominica, posing significant threats to its ecosystems and communities.

Plastic debris can be found littering coastal areas, riverbanks, and forests, impacting both terrestrial and marine environments. Plastic pollution adversely affects marine life, contributes to habitat degradation, and can harm human health through the ingestion of micro plastics. This alarming situation has prompted the need for immediate action to address plastic pollution and adopt sustainable waste management practices.

The initiative aims to implement comprehensive waste management strategies, raise public awareness through educational campaigns, engage local communities in waste reduction efforts, and ensure regulatory compliance with environmental standards.

1.2. Statement of the problem

The Nature Isle Solid Waste Management (TNISWM) faces a pressing environmental challenge in Dominica due to the escalating issue of plastic pollution. The problem at hand is multifaceted and poses significant consequences for both the environment and the community.

The main issue is the buildup of plastic trash in Dominica, which includes single-use plastics, packaging materials, and abandoned objects. This plastic waste seriously impairs the island's natural attractiveness by clogging up urban areas, riverbanks, woods, and coastal areas. In both terrestrial and marine ecosystems, the effects of this pervasive plastic pollution pose serious risks to biodiversity, water quality, and the condition of the environment.

Plastic pollution in Dominica has negative social repercussions in addition to environmental ones. The island's economy depends heavily on tourism, which suffers because of people being sent away by the unattractive prevalence of plastic garbage. Additionally, the consumption of micro plastics by marine life may have an impact on fisheries, potentially jeopardizing the way of life for nearby populations that depend on the availability of seafood.

TNISWM recognizes the urgency of addressing this plastic pollution problem but currently lacks a comprehensive and integrated approach to tackle it effectively. The absence of a well-defined strategy for waste reduction, recycling, and community engagement, considering that there has only been an increase of 5% in the stated components over the past 5 years, contributes to the persistent accumulation of plastic waste.

1.3. Purpose

The initiative established by The Nature Isle Solid Waste Management (TNISWM) addresses the urgent and multifaceted problem of plastic pollution in Dominica with a comprehensive and regional response. Its purpose encompasses several key facets:

Firstly, the initiative is driven by the recognition of the severe negative consequences of plastic pollution on Dominica's environment, public health, and economy. Recent studies have revealed that the island generates a substantial amount of plastic waste annually, leading to the contamination of natural environments, harm to marine life, and the release of toxic compounds into ecosystems. The purpose of this initiative is to combat these detrimental effects by offering a comprehensive solution to the problem.

Secondly, the financial implications of plastic pollution are substantial. Dominica incurs significant costs every year for cleaning up plastic waste and experiences a loss of tourism revenue due to environmental degradation. The initiative aims to significantly reduce these financial burdens, potentially saving the country millions of dollars annually. Moreover, it anticipates opening new economic opportunities for environmentally friendly businesses, generating income and jobs while improving the quality of life for residents.

Thirdly, the initiative aligns with international sustainability commitments and goals. By actively participating in this national plastic awareness campaign, Dominica enhances its international reputation as a responsible and eco-conscious nation. This not only strengthens the country's resilience and sustainability in the long run but also attracts partnerships and investments from abroad.

1.4. General objective

To prepare a project management plan for the implementation of a plastic awareness campaign in Dominica.

1.5. Specific objectives

1. To create a Scope Management Plan that clearly outlines all the work necessary for the project and just the tasks essential to its success.
2. To develop the Schedule Management Plan that will outline the process to be used to manage the project so that it is finished on time.
3. To formulate a cost management strategy that will enable the administration of project finances to keep costs down.
4. To develop a quality management strategy for project quality management and control.
5. To create a resource management strategy that will make it easier to complete project work by guaranteeing that the relevant resources are on hand when they are needed.
6. To develop a communication management strategy that makes sure the project team and stakeholders are informed about all that is important for productive collaboration.
7. To formulate a risk management strategy that increases the likelihood that the project will succeed by reducing potential risks and maximizing the benefits of any positive risks.

8. To develop a Procurement Management Plan to control the acquisition of items, services, or outcomes required for the project's successful completion.
9. To create a product that adds value for people affected by the project, a Stakeholder Management Plan must be designed that enables the identification and management of stakeholders who will be affected by the project.
10. To develop a project Integration Management Plan that defines the procedures for coordinating the various project management tasks.
11. To prepare a Sustainable Development Plan to evaluate how the project's outcome will affect regenerative and sustainable development.

2 THEORETICAL FRAMEWORK

2.1 Company/Enterprise framework

2.1.1 Company/Enterprise background

The Nature Isle Solid Waste Management (TNISWM) is a well-established company that has been operating in Dominica since the year 2000. This enterprise has played a pivotal role in the island's waste management sector, catering to the diverse waste disposal needs of its population. TNISWM's extensive background encompasses a wide spectrum of waste management activities, including collection, recycling, and safe disposal. Over the years, the company has built a strong reputation for its commitment to environmental sustainability, innovation in waste management techniques, and its contributions to the overall cleanliness and hygiene of Dominica. TNISWM's steadfast dedication to effective waste management has positioned it as a cornerstone of Dominica's environmental stewardship efforts.

2.1.2 Mission and vision statements

Mission

To be a leading force in sustainable waste management practices in Dominica. The company is dedicated to protecting and preserving Dominica's natural beauty by promoting responsible waste disposal and fostering a culture of environmental stewardship among the citizens (S. Oliver, 2023).

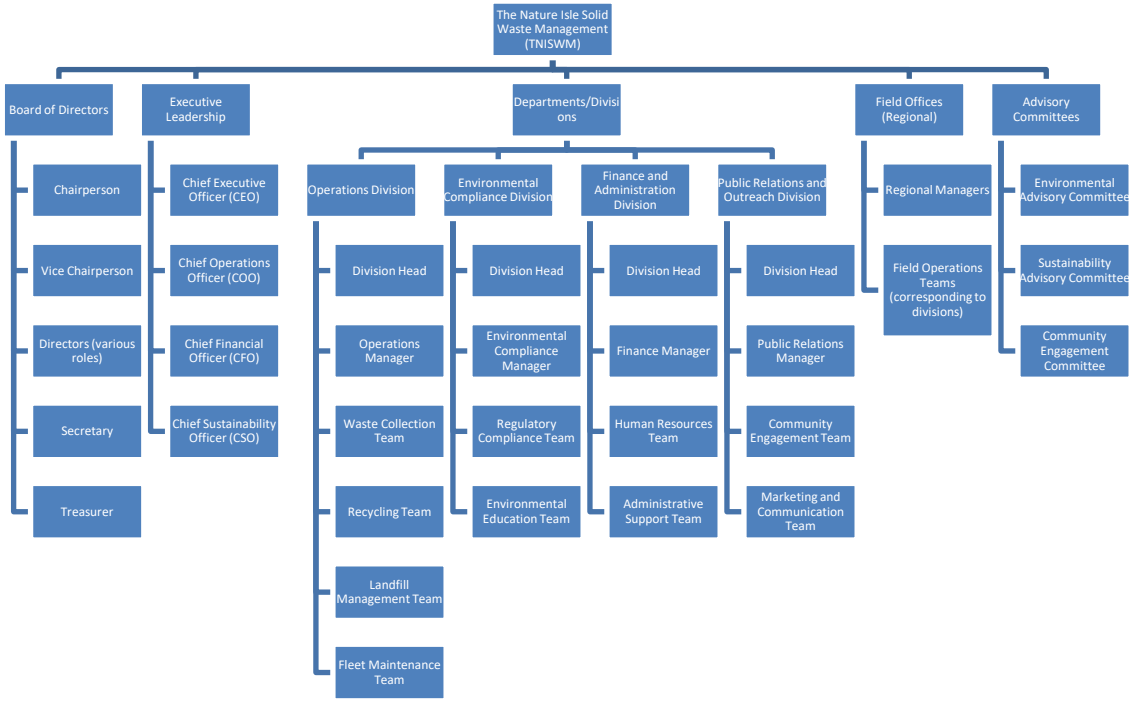
Vision

To create a cleaner, greener, and more sustainable Dominica, where waste is managed responsibly, natural resources are conserved, and their unique ecological heritage is safeguarded for future generations (S. Oliver, 2023).

2.1.3 Organizational structure

Figure 1

Organizational Structure



(Note: S. Oliver, 2023)

2.1.4 Products offered

The Nature Isle Solid Waste Management (TNISWM) offers a range of products and services related to waste management and environmental sustainability. These products and services align with the company's mission and objectives, which since you are referring

to multiple elements promoting a cleaner and healthier environment in Dominica. Here are some of the main products and services offered by TNISWM:

Waste Collection and Disposal:

TNISWM offers complete waste collection services to individuals, companies, and governmental organizations. Maintaining a clean and healthy environment, which is a fundamental component of sustainability, depends on effective garbage collection.

Recycling Programs:

TNISWM actively promotes recycling in Dominica. The company collects recyclable materials such as paper, cardboard, plastics, and glass, diverting them from landfills. This reduces waste and conserves natural resources, aligning with sustainable development goals.

Waste Sorting and Disposal:

The business recycles and disposes of rubbish in an eco-friendly way. They guarantee the safe handling of dangerous materials, preventing pollution and harm to ecosystems.

Composting Services:

Composting services from TNISWM produce nutrient-rich compost from organic waste. This encourages regenerative agricultural techniques, improves soil health, and lessens the demand for artificial fertilizers.

Educational Programs:

The business regularly participates in community awareness-raising and education initiatives. They inform the public on ethical waste management procedures, which is essential for promoting a sustainable culture.

Environmental Consultations:

TNISWM provides consultation services to businesses and organizations looking to improve their environmental sustainability. They offer guidance on waste reduction, recycling, and eco-friendly practices.

Green Initiatives:

TNISWM initiates and supports green projects aimed at enhancing Dominica's natural environment. This includes tree planting, clean-up campaigns, and other initiatives that contribute to regenerative development.

Partnership with Local Communities:

The business works with nearby communities to create sustainable waste management solutions that are specific to their requirements. These collaborations promote environmental stewardship and community resilience.

Waste Reduction Programs:

TNISWM advocates for waste reduction through the 3Rs (Reduce, Reuse, Recycle). By promoting the reduction of waste at the source, they contribute to sustainable consumption and production patterns.

Renewable Energy Initiatives:

TNISWM explores opportunities to harness renewable energy sources as part of their waste management processes. This reduces their carbon footprint and supports Dominica's transition to clean energy.

TNISWM's products and services not only address the immediate waste management needs of Dominica but also align with the principles of sustainable and regenerative development. Their efforts to reduce waste, promote recycling, and engage in community education are vital for preserving Dominica's natural beauty and fostering a more sustainable future for the island.

2.1.5 Project management principles

Project

In the context of The Nature Isle Solid Waste Management (TNISWM), project management principles play a crucial role in ensuring the successful execution of various initiatives and endeavors. As per the Project Management Body of Knowledge (PMBOK) 7th edition, a project is “a temporary endeavor undertaken to create a unique product, service, or result. The temporary nature of projects indicates a beginning and an end to the project work or a phase of the project work” (Project Management Institute, 2021, p.g 4). This definition aligns with TNISWM's approach to managing specific undertakings within their waste management and sustainability efforts.

The temporary nature of projects, as highlighted by PMBOK, underscores the fact that each initiative or project within TNISWM's operations has a defined starting point and a clear endpoint. Whether it is implementing a new recycling program, conducting a

community clean-up campaign, or launching an educational outreach effort, TNISWM follows project management principles to ensure that these endeavors are well-defined, well-planned, and executed efficiently.

2.1.6 Project management domains

The PMBOK Body of Knowledge 7th Edition (2021) states that project performance domains are "a group of related activities that are critical for the effective delivery of project outcomes" (Project Management Institute, 2021, p.g 6). The performance domains are as follows:

Stakeholders

In the context of TNISWM's project, identifying and engaging stakeholders is crucial. Stakeholder analysis helps identify groups like government agencies, local communities, environmental organizations, and investors. Understanding their interests, concerns, and expectations is vital for the successful implementation of the initiative. For instance, involving local communities in plastic waste reduction efforts aligns with stakeholder engagement and helps build support for the project.

Team

TNISWM needs to build a capable and motivated team to execute the initiative. This involves hiring or training personnel with expertise in waste management, environmental science, and sustainability. The team's composition and skills are directly related to the project's success, as they will be responsible for implementing waste reduction strategies and managing educational campaigns.

Development Approach and Life Cycle

This domain relates to defining the project's scope, objectives, and approach. In the case of TNISWM, it involves outlining the strategies for plastic waste reduction, recycling, and community engagement. Decisions made in this domain affect the entire project lifecycle, ensuring that it aligns with TNISWM's mission and environmental sustainability goals.

Planning

Effective planning is crucial for TNISWM's initiative. This domain includes defining project tasks (e.g., waste collection, recycling programs), creating timelines, allocating resources, and assessing risks. Comprehensive planning is essential to ensure that the project progresses efficiently, on budget, and in accordance with sustainability objectives.

Project Work

Project work encompasses the actual execution of tasks. For TNISWM, it involves daily activities such as waste collection, recycling operations, and educational campaigns. Efficiently managing project work is central to achieving the initiative's goals, which include reducing plastic pollution and promoting sustainable practices.

Delivery

Delivery involves meeting project milestones and objectives within budget and on schedule. TNISWM's initiative has specific goals, such as reducing plastic waste in coastal areas and increasing recycling rates. Effective delivery ensures these objectives are achieved, contributing to the project's overall success.

Measurement

This domain focuses on assessing project performance through key performance indicators (KPIs) and metrics. TNISWM will need to measure factors like plastic waste reduction, recycling rates, environmental impact, and community awareness. Measurement is essential for evaluating the effectiveness of the initiative and making necessary adjustments.

Uncertainty

Managing uncertainty relates to identifying and mitigating potential risks and uncertainties. In TNISWM's case, uncertainties may include changes in environmental regulations, market fluctuations in recyclable materials, or unforeseen events like natural disasters. Effective risk management strategies are critical to navigate these uncertainties and ensure project success.

2.1.7 Predictive, adaptive and hybrid projects

Predictive Projects

Predictive projects, also known as traditional or waterfall projects adhere to a well-defined plan with predetermined specifications and a limited scope. Before the project starts, the plan is set, and alterations are discouraged. Moving from one phase to the next in a specified order, progress is linear and sequential. Projects with consistent and clear criteria are best suited for predictive project management. It is ideal when there is little room for doubt or when the project's conclusion can be known with certainty from the start.

Adaptive Projects

Agile approaches are frequently used in adaptive initiatives, which are characterized by flexibility and iterative development. Self-organizing cross-functional teams collaborate to develop requirements and solutions. Throughout the project, changes are anticipated and even encouraged. The projects that benefit from adaptive project management the most are those with changing requirements, a lot of ambiguity, and a need for quick adaptability. It works especially well for software development and artistic endeavors.

Hybrid Projects

Projects that are hybrids incorporate aspects of predictive and adaptive methodologies. They permit structure and advance preparation while also accommodating adjustments as needed. In projects where certain parts can be well-defined in advance while others demand flexibility, hybrid project management techniques are frequently employed.

Hybrid projects maintain a regimented approach in some areas while allowing for agility in others. Projects being undertaken within the Environmental Conservation and Sustainability sector; the hybrid approach is the most used. Predictability and adaptability must be balanced for any endeavor to be managed successfully.

Within this project established by TNISWM, there would be a need to adapt to the hybrid approach whereby trash management and recycling will have a planned framework. The project must also adapt to shifting community dynamics and environmental constraints. As a result, a hybrid strategy enables both controlled execution and the flexibility to respond to changing conditions.

2.1.8 Project management

According to the PMBOK Body of Knowledge 7th Edition (2021), Project Management deals with the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements" (Project Management Institute, 2021, p.g 4).

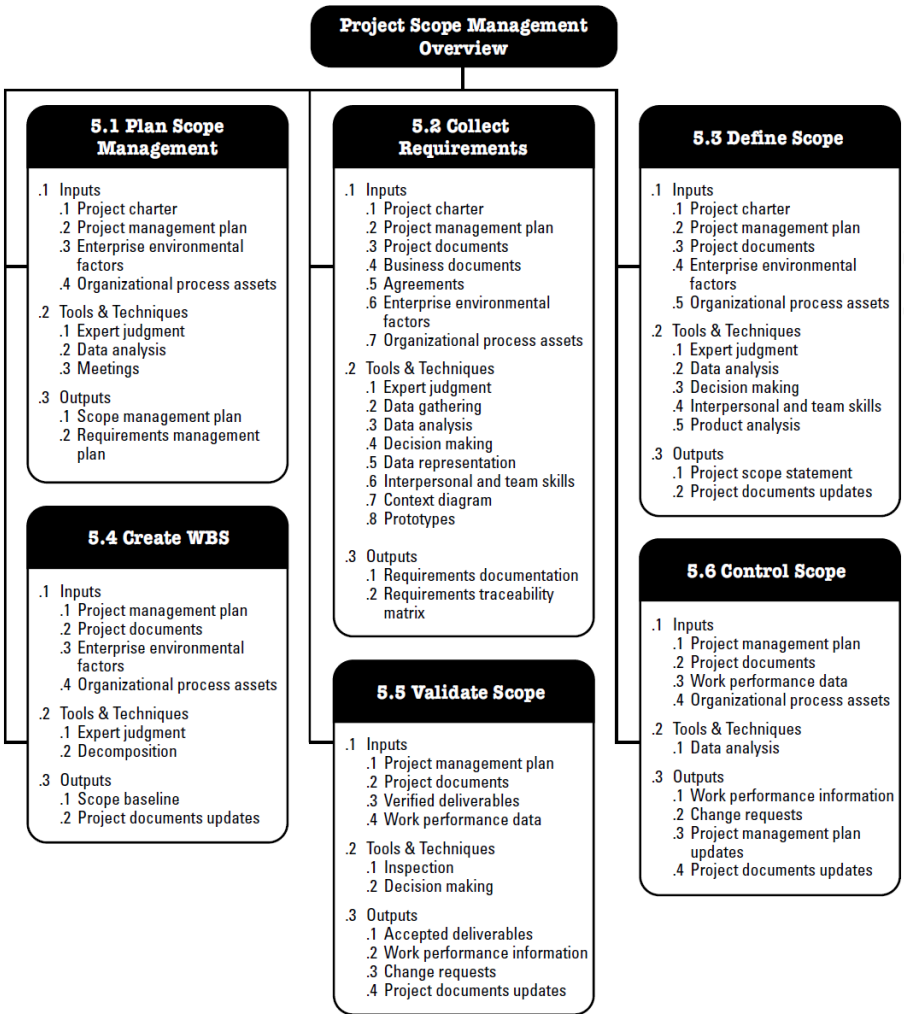
2.1.9 Project management knowledge areas and processes

Project Scope Management

"Project Scope Management includes the processes required to ensure that the project includes all the work required, and only the work required, to complete the project successfully. Managing the project scope is primarily concerned with defining and controlling what is and is not included in the project" (PMI, 2017, p. 129).

Figure 2

Project Scope Management Overview



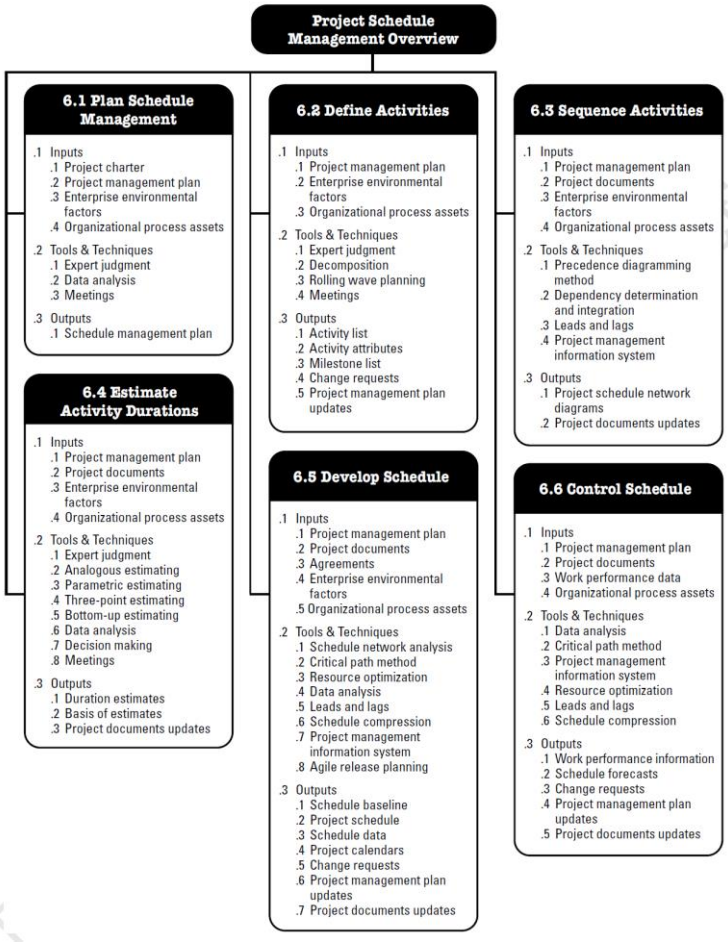
(Note: PMI, 2017, p. 129)

Project Schedule Management

"Project Schedule Management includes the processes required to manage the timely completion of the project" (PMI, 2017, p. 173).

Figure 3

Project Schedule Management Overview



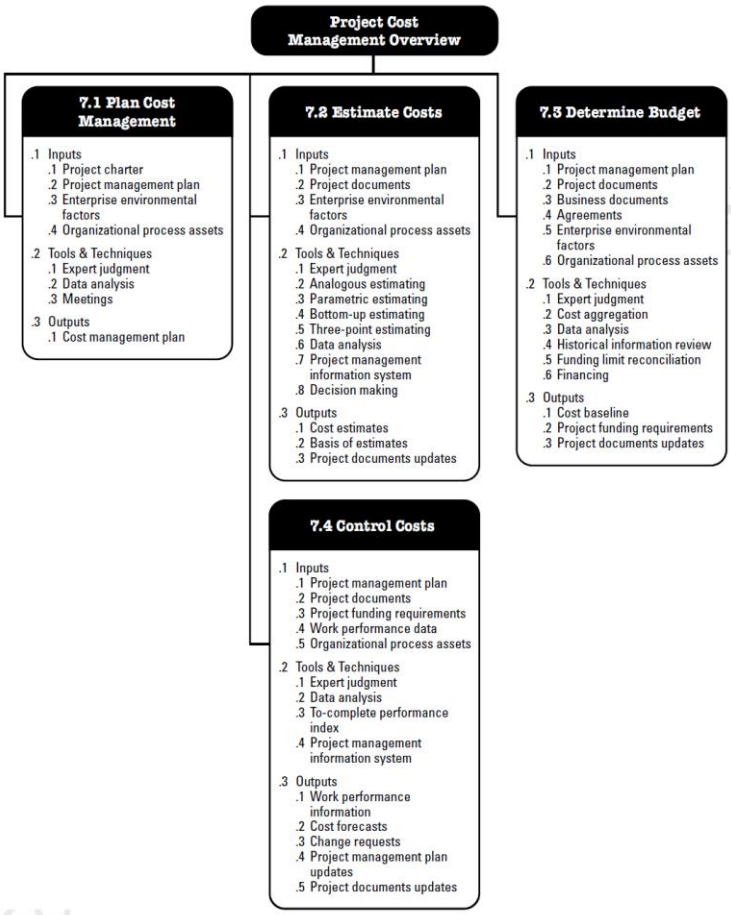
(Note: PMI, 2017, p. 173)

Project Cost Management

"Project Cost Management includes the processes involved in planning, estimating, budgeting, financing, funding, managing, and controlling costs so that the project can be completed within the approved budget" (PMI, 2017, p.231).

Figure 4

Project Cost Management Overview



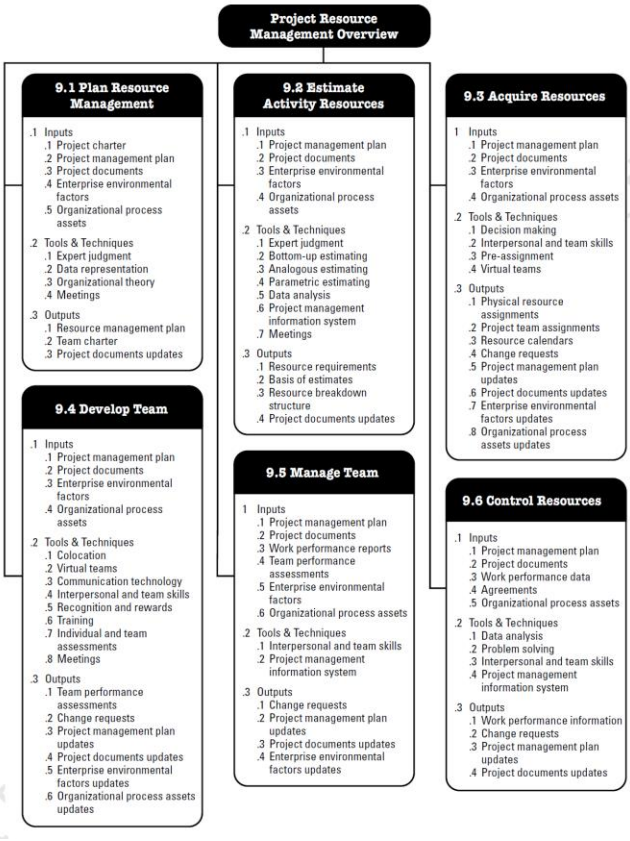
(Note: PMI, 2017, p.231)

Project Resource Management

"Project Resource Management includes the processes to identify, acquire, and manage the resources needed for the successful completion of the project. These processes help ensure that the right resources will be available to the project manager and project team at the right time and place" (PMI, 2017, p. 307).

Figure 5

Project Resource Management Overview



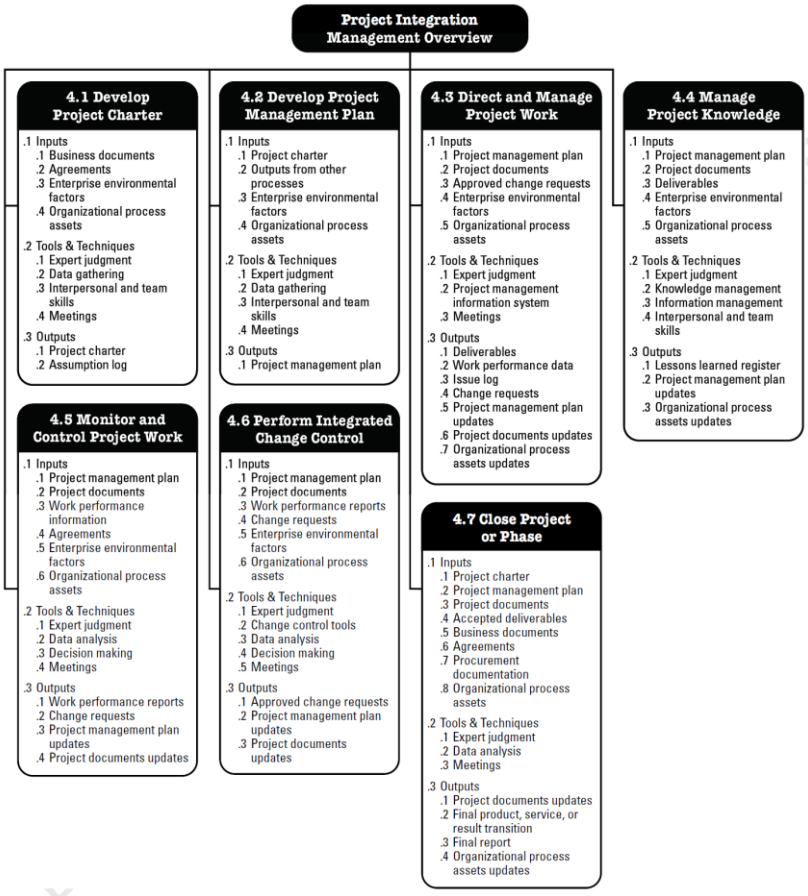
(Note: PMI, 2017, p. 307)

Project Integration Management

"Project Integration Management includes the processes and activities to identify, define, combine, unify, and coordinate the various processes and project management activities within the Project Management Process Groups. In the project management context, integration includes characteristics of unification, consolidation, communication, and interrelationship" (PMI, 2017, p. 69).

Figure 6

Project Integration Management Overview



(Note: PMI, 2017, p. 69)

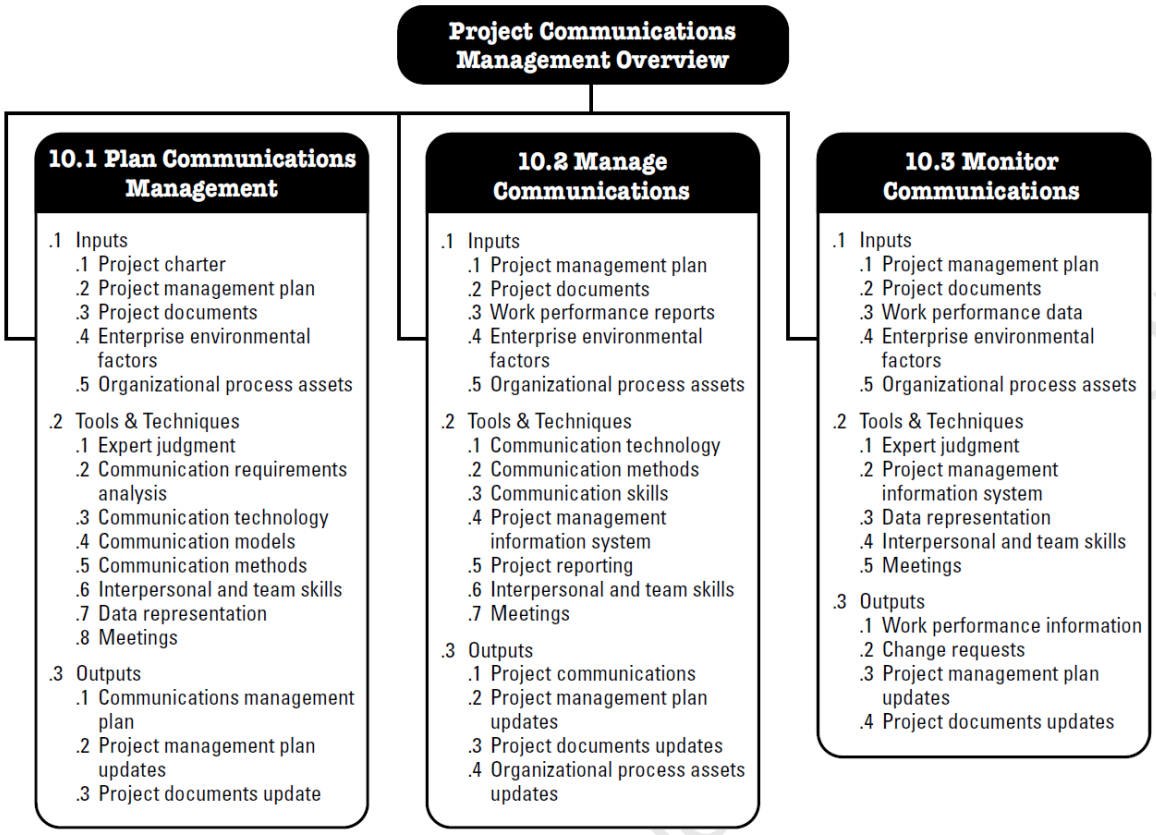
Project Communication Management

"Project Communications Management includes the processes necessary to ensure that the information needs of the project and its stakeholders are met through development of artifacts and implementation of activities designed to achieve effective information exchange. Project Communications Management consists of two parts. The first part is developing a strategy to ensure communication is effective for stakeholders. The second

part is carrying out the activities necessary to implement the communication strategy" (PMI, 2017, p. 359).

Figure 7

Project Communication Management Overview



(Note: PMI, 2017, p. 360)

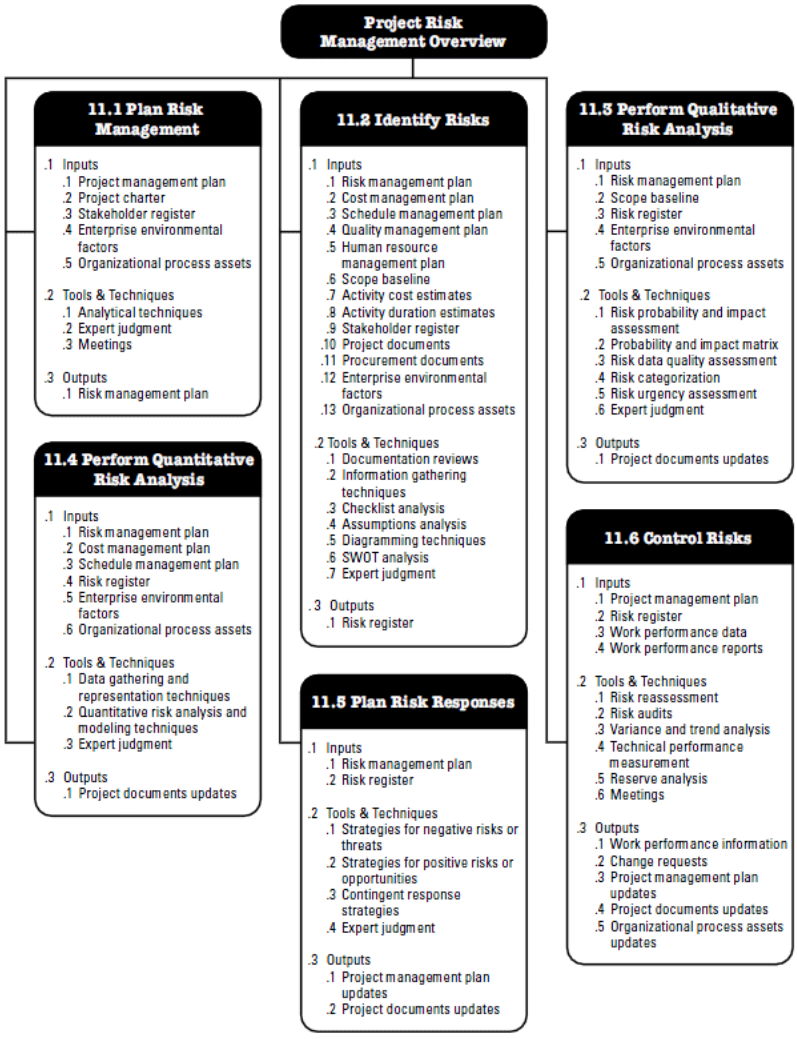
Project Risk Management

"Project Risk Management includes the processes of conducting Risk Management Planning, identification, analysis, response planning, response implementation, and monitoring risk on a project. The objectives of project risk management are to increase the

probability and/or impact of positive risks and to decrease the probability and/or impact of negative risks, to optimize the chances of project success" (PMI, 2017, p. 395).

Figure 8

Project Risk Management Overview



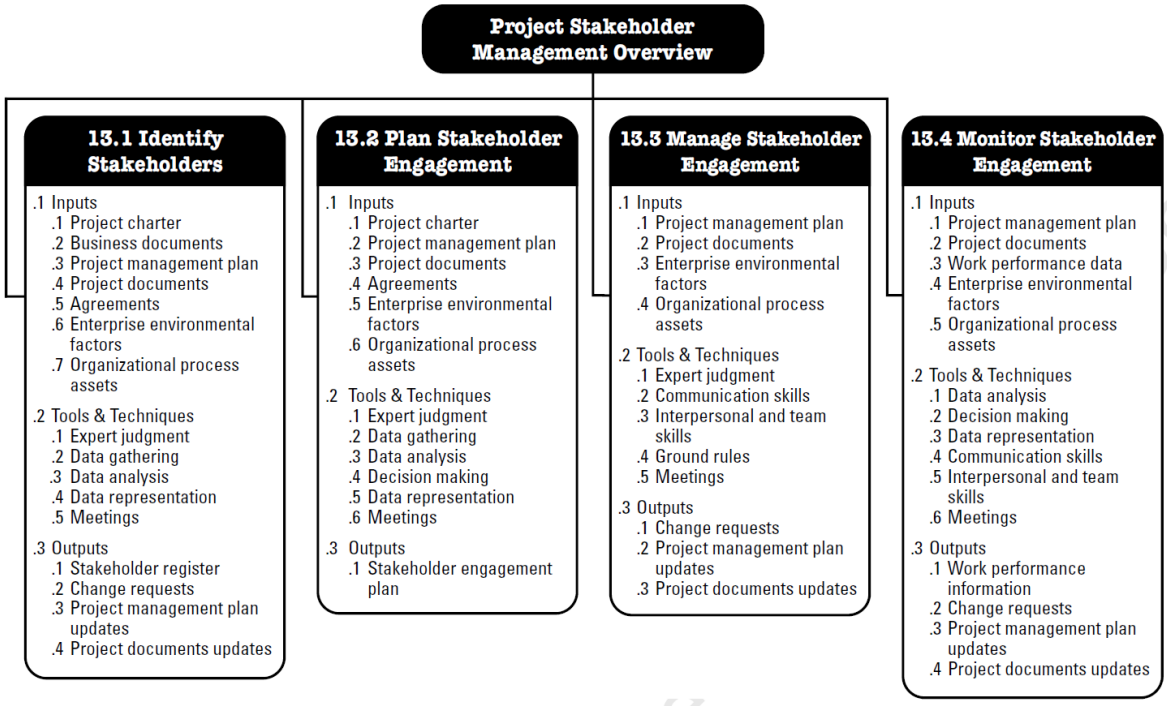
(Note: PMI, 2017, p. 395)

Project Stakeholder Management

"Project Stakeholder Management includes the processes required to identify the people, groups, or organizations that could impact or be impacted by the project, to analyze stakeholder expectations and their impact on the project, and to develop appropriate management strategies for effectively engaging stakeholders in project decisions and execution" (PMI, 2017, p. 503).

Figure 9

Project Stakeholder Management Overview



(Note: PMI, 2017, p. 503)

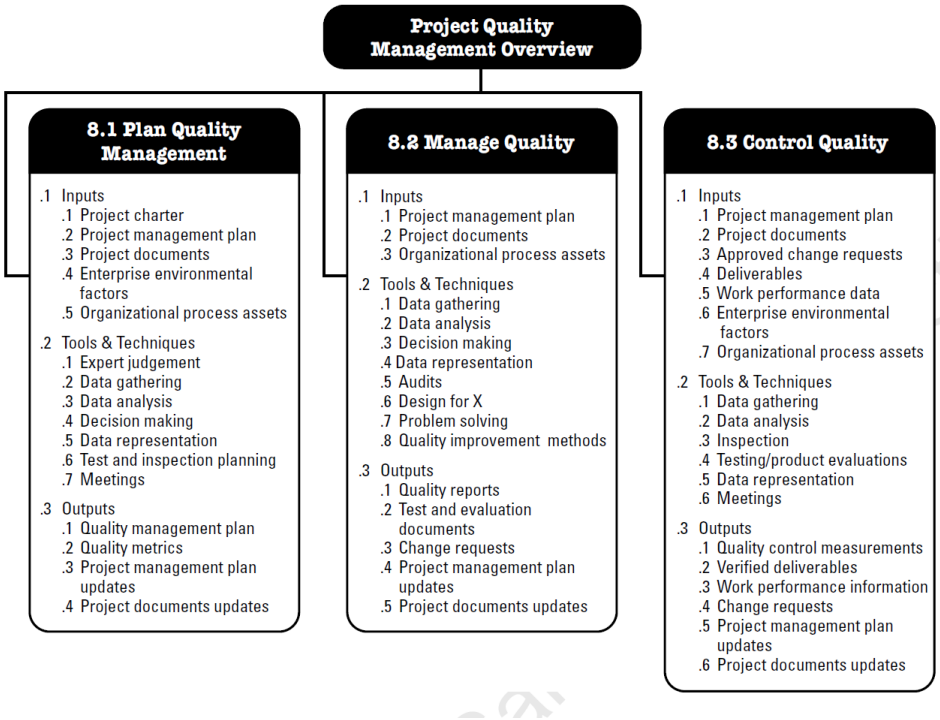
Project Quality Management

"Control Quality is the process of monitoring and recording results of executing the quality management activities to assess performance and ensure the project outputs are complete, correct, and meet customer expectations. The key benefit of this process is

verifying that project deliverables and work meet the requirements specified by key stakeholders for final acceptance" (PMI, 2017, p. 298).

Figure 10

Project Quality Management Overview



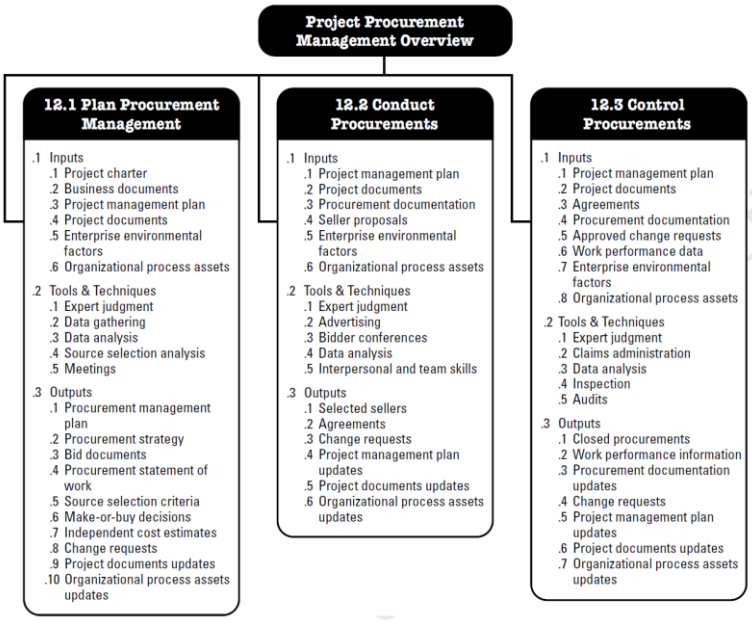
(Note: PMI, 2017, p. 298)

Project Procurement Management

"Project Procurement Management includes the processes necessary to purchase or acquire products, services, or results needed from outside the project team" (PMI, 2017, p. 459).

Figure 11

Project Procurement Management Overview



(Note: PMI, 2017, p. 459)

2.1.10 Project life cycle

The PMBOK Body of Knowledge 7th Edition (2021) defines project lifecycle as "the series of phases that a project passes through from its start to its completion" (Project Management Institute, 2021, p.g 33). A project normally passes through the many generic phases of the project life cycle from inception to completion. These stages offer a well-organized framework for handling and carrying out tasks.

The lifecycle will be the same for this project because it fits the Dominica Plastic Detox Initiative's makeup perfectly, whereby the project will entail all the cycles:

Starting the Project:

In this phase, the project is initiated, and the objectives are defined. For TNISWM's initiative, this would involve the initial planning and conceptualization of the Dominica

Plastic Detox Initiative. It includes securing funding, identifying key stakeholders, and establishing the project's goals and scope.

Organizing and Preparing:

This phase involves detailed planning and organizing resources for the project. TNISWM would develop a comprehensive project management plan during this stage, including strategies for waste management, recycling programs, and community engagement. This phase ensures that everything is in place before the actual execution begins.

Execution:

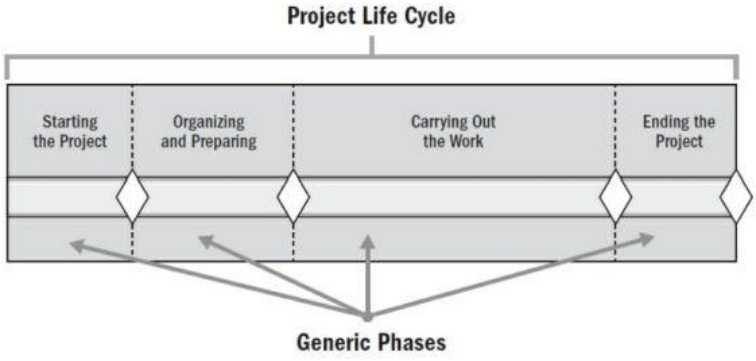
This is the phase where the actual work of the project takes place. For TNISWM's initiative, this includes implementing waste reduction strategies, conducting educational campaigns, engaging communities, and executing recycling programs. The bulk of the project's activities and resources are dedicated to this phase, as it is here the goals are translated into action.

Ending the Project:

Also known as the project closure phase, this is when the project is completed, and the outcomes are evaluated. For TNISWM, this would involve assessing the results of the Dominica Plastic Detox Initiative, measuring the reduction in plastic waste, recycling rates, and the impact on the community. It is critical phase for documenting lessons learned and determining the long-term sustainability of the initiative.

Figure 12

Generic Depiction of a Project Life Cycle



(Note: PMI, 2017, p. 547)

2.1.11 Company strategy, portfolios, programs and projects

Company Strategy

TNISWM's company strategy revolves around environmental sustainability and responsible waste management in Dominica. Its overarching goal is to preserve the natural beauty of Dominica while effectively managing solid waste. This involves promoting recycling, reducing waste, and raising awareness about environmental issues. The company seeks to engage with stakeholders and communities to create a cleaner, greener, and more sustainable Dominica.

Portfolio Management

TNISWM's waste management portfolio is multifaceted, covering a range of services and initiatives aimed at promoting sustainability and responsible waste management practices in Dominica. Here are the key components of their portfolio:

1. Waste Collection and Disposal
2. Recycling Programs

3. Waste Sorting and Disposal
4. Composting Services
5. Educational Programs
6. Environmental Consultations
7. Green Initiatives
8. Partnership with Local Communities
9. Waste Reduction Programs
10. Renewable Energy Initiatives

Program Management

The Dominica Plastic Detox Initiative is a crucial program for The Nature Isle Solid Waste Management (TNISWM), given its commitment to environmental sustainability and responsible waste management. This program is designed to address the pervasive issue of plastic pollution in Dominica and aligns with TNISWM's mission to promote sustainable and regenerative development on the island.

Environmental Stewardship:

The initiative demonstrates TNISWM's commitment to environmental responsibility. Dominica is not immune to the effects of the worldwide environmental issue known as plastic pollution. Dominica's natural beauty, marine habitats, and general environmental health are all being actively protected by TNISWM by creating the Dominica Plastic Detox Initiative.

Strategic Alignment

The program is in line with the strategic direction and operational objectives of TNISWM. The key activities of TNISWM include efficient waste management and a reduction in plastic pollution. Their dedication to proper waste management and environmentally friendly practices is deliberately reinforced by this project.

Community Engagement

The initiative gives TNISWM chances to interact with regional communities. Participation and awareness from the community are necessary to combat plastic pollution. Through community engagement and education, TNISWM can encourage a sense of shared accountability for waste management and sustainable behaviors.

Brand Reputation

The participation of TNISWM in such an important environmental program improves the company's reputation. Being in the vanguard of the Dominica Plastic Detox Initiative promotes TNISWM as a responsible waste management organization that cares about the environment, which may draw environmentally aware investors and clients.

Regenerative Development

The program actively seeks to lessen the damaging effects of plastic waste on Dominica's ecosystems, embodying the concepts of regenerative development. By approaching this problem holistically, TNISWM helps the island achieve its regenerative development objectives, which include improving the environment for coming generations.

Long-term Benefits

The program may comprise several initiatives and projects, but its long-term advantages go beyond particular projects. The proactive role played by TNISWM in

decreasing plastic pollution is in line with the program management idea of achieving advantages and control not possible by managing program components (in this case, plastic pollution reduction projects) separately.

Projects

This project in question aims to implement a comprehensive nationwide campaign to combat plastic pollution and promote plastic awareness in Dominica. Its specific objectives include waste collection, recycling, education campaigns, and community engagement.

The "Project Management Plan" serves as a blueprint for executing the specific project. It outlines the project's objectives, scope, schedule, resource allocation, and risk management strategy, ensuring that the project is well-organized and prepared for successful execution.

Additionally, under the "Project Management Plan for the Implementation of Dominica Plastic Detox Initiative," TNISWM may undertake various projects and deliverables to achieve the initiative's objectives. These may include:

1. Waste Collection and Recycling Programs: Implementation of waste collection and recycling programs in collaboration with local communities and businesses.
2. Educational Campaigns: Development and execution of educational campaigns aimed at raising awareness about plastic pollution and the importance of responsible waste management.
3. Community Workshops: Organizing workshops and training sessions within communities to educate residents on sustainable waste practices.

4. Stakeholder Engagement: Engaging with government agencies, environmental organizations, and local businesses to foster partnerships and collaboration in plastic awareness efforts.
5. Monitoring and Reporting: Regular monitoring of key performance indicators (KPIs) to assess the impact of the initiative and reporting progress to stakeholders.
6. Environmental Impact Assessments: Conducting environmental impact assessments to measure the environmental benefits of the initiative.

2.2 Other applicable theory/concepts related to the project topic and context

Sustainable Development

According to International Institute for Sustainable Development, a registered charitable organization in Canada, “Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs” (Sustainable Development, n.d.). The Dominica Plastic Detox Initiative embodies sustainable development by addressing the pressing issue of plastic pollution, which poses long-term threats to the environment and future generations. The project's focus on responsible waste management, recycling, and education aligns with the principles of sustainability by promoting practices that reduce harm to the environment while ensuring a cleaner and healthier future for Dominica.

Green Project Management

The emphasis on incorporating environmental sustainability into project management procedures is known as "green project management." Green project

management guidelines can direct the Dominica Plastic Detox Initiative project by ensuring that environmental concerns are incorporated into each stage of the project. This includes reducing trash production while a project is being completed, procuring eco-friendly products, and implementing sustainable waste collection and recycling techniques. Green project management makes sure that the project's actions are in line with more general sustainability objectives.

Doughnut Economy

An economic system known as the doughnut economy aims to reconcile social and environmental objectives while remaining mindful of the limits of the earth. This is applied to the Dominica Plastic Detox Initiative by attempting to strike a balance between Dominica's objectives for social and economic growth and the requirement to operate within ecological constraints. The project can work to improve Dominica's residents' quality of life while ensuring that waste management and plastic awareness initiatives do not go beyond the ecological limits of the globe.

2.2.1 Current situation of the problem or opportunity in study

The current situation regarding plastic pollution and waste management in Dominica serves as the backdrop for the "Dominica Plastic Detox Initiative," and it is essential to understand the problem comprehensively. This section provides an overview of the current situation, research conducted, and the state of the matter, existing approaches, and proposed improvements.

The "Nature Isle of the Caribbean," Dominica, is home to verdant woods, immaculate rivers, and astounding marine variety. However, plastic litter has become a more significant environmental issue for the island in recent years. The natural beauty of the island has been tarnished by the accumulation of plastic trash, especially single-use plastics, and abandoned packaging, in coastal areas, rivers, and woods, posing serious dangers to the island's ecosystems. Alarming findings from a study on plastic waste in Dominica include:

1. Plastic waste litters beaches and coastlines, damaging marine life and impairing tourism.
2. Plastic trash pollution of rivers and streams contributes to flooding and water contamination.
3. Poor waste management procedures provide environmental and health threats to communities, particularly those located close to landfills.

According to The Vanella Group, a waste consulting services group, “Most people are aware of the problems that plastic can cause for the environment. It can take centuries for plastic to decompose. In that time, it can release harmful toxins into the ground and water. Marine animals are especially susceptible to the effects of plastic pollution, as they can mistake it for food and ingest it. This can cause them to starve or become entangled and drown” (The Negative Effects of Plastic on the Environment, 2022). The current situation emphasizes how urgent it is to address the island's plastic pollution. Current methods of controlling the growing plastic waste problem, such as waste collection and landfill

disposal, have fallen short. There has been little effort made to recycle plastic, and there is little widespread knowledge of the environmental effects of plastic.

The "Dominica Plastic Detox Initiative" seeks to significantly alter the present situation by:

1. Trash Management Strategy Proposed: The effort suggests a strategy for managing trash that includes effective waste collection, recycling, and the proper disposal of plastic waste.
2. Environmental Education: The project aims to promote responsible plastic use by educating the public about plastic pollution through educational campaigns, workshops, and community involvement.
3. Participation of the Community: The initiative aims to involve regional communities in recycling and waste reduction initiatives, promoting a sense of environmental stewardship.
4. Regulatory Compliance: The initiative strives to ensure ethical waste management procedures by abiding with environmental laws and norms.

Although the "Dominica Plastic Detox Initiative" is still in the planning stages, the following outcomes are expected upon implementation:

1. Reduction of plastic garbage in rivers, forests, and coastal areas.
2. Recycling rates are higher and there is less plastic pollution.
3. Raised awareness of the effects of plastic on the environment.
4. Participation of the community in sustainable waste management.

5. Enhanced environmental conditions and improved societal wellbeing in Dominica.

In conclusion, urgent action is required to address Dominica's existing plastic pollution problem. To mitigate the negative effects of plastic pollution and protect Dominica's natural beauty, the "Dominica Plastic Detox Initiative" proposes improvements in waste management practices, environmental education, community involvement, and regulatory compliance.

2.2.2 Previous research done for the topic in study

The preliminary research conducted for the topic of plastic pollution in Dominica has provided valuable insights that can be used as inputs for the "Dominica Plastic Detox Initiative." One notable source is the article titled "Dominica's forgotten war on plastics" from The Sun Newspaper. According to The Sun Newspaper, a popular news outlet in Dominica, “while other nations have taken steps to eliminate certain plastic items, chiefly plastic bags, Dominica saw its move as a step toward a larger goal. This pronouncement by Skerrit gained Dominica international fame particularly among environmental activists around the world. However, two years later, since the ban should have taken effect, plastic straws, plastic plates, plastic forks, plastic knives, Styrofoam cups, and Styrofoam containers can still be seen littered around the Nature Island of the Caribbean as no ban has taken effect” (Dominica’s Forgotten War on Plastics, n.d.-b).

This source highlights the challenges and complexities involved in reducing plastic pollution through legislative reforms. It outlines how Dominica initially implemented a ban on ordinary plastic and Styrofoam single-use food containers as part of its broader climate-

resilience goals. However, the article underscores the difficulties in effectively enforcing this ban and the challenges faced by businesses and environmentalists in implementing it.

The conclusions drawn from ongoing research indicate the following key points that can inform the "Dominica Plastic Detox Initiative":

1. Importance of Implementation – it is important how effective implementation and enforcement techniques are when putting plastic reduction plans into practice. This highlights the requirement for a well-structured project management plan to guarantee the initiative's successful implementation.
2. Awareness campaigns – There is significance to employing efficient enforcement and implementation strategies when putting plastic reduction policies into action. This emphasizes how important a well-organized project management plan is to ensure the initiative's success.
3. Challenges of Stakeholder Engagement - The challenges both businesses and environmentalists have encountered in complying with the prohibition highlight the significance of successfully including all parties. This emphasizes the importance of community involvement and collaboration, which is a crucial component of the project.

On the other hand, the preliminary research conducted on plastic pollution, as sourced from the United Nations Environment Programme (UNEP), provides essential insights into the gravity and multifaceted nature of the issue. The UNEP source has established the following key points.

Firstly, the severity of the problem. The research underscores the gravity of plastic pollution, emphasizing its capacity to alter habitats and ecosystems in lakes, rivers, and oceans. According to, UNEP - UN Environment Programme “Plastic pollution can alter habitats and natural processes, reducing ecosystems’ ability to adapt to climate change, directly affecting millions of people’s livelihoods, food production capabilities and social well-being” (Plastic Pollution, n.d.). This insight is valuable for the "Dominica Plastic Detox Initiative" as it emphasizes the urgency of addressing plastic pollution in Dominica's coastal areas.

Secondly, the impact on habitats. The research highlights how plastic pollution can disrupt natural processes and ecosystems, impacting wildlife and biodiversity. This information aligns with the initiative's focus on preserving Dominica's natural beauty and protecting its marine and terrestrial habitats.

Thirdly, the socioeconomic implications. The UNEP source also mentions the socioeconomic consequences of plastic pollution, which can affect livelihoods and social well-being. This finding underscores the importance of addressing plastic pollution not only from an environmental standpoint but also from an economic and societal perspective.

Finally, interconnected environmental stressors. The research points out the interconnectedness of plastic pollution with other environmental stressors. This aspect aligns with the project's comprehensive approach to addressing plastic pollution, recognizing that it is linked to broader environmental issues.

Additionally, a comprehensive plastic pollution assessment report conducted by a local environmental organization highlighted the severity of the plastic pollution problem in

Dominica. The study provided data on plastic waste accumulation in coastal areas, riverbanks, and landfill sites, shedding light on the urgent need for intervention. Also, Research into national and regional waste management regulations and policies served as a basis for understanding the legal framework governing waste management in Dominica. It was noted that aligning the project with existing regulations would be essential for long-term success.

The "Dominica Plastic Detox Initiative" can use the research to inform its project design and strategy based on these findings. Specific project goals and targets can be established using the data on plastic pollution levels and environmental effects. The project plan can incorporate best practices in trash management, community involvement, and environmental education. Furthermore, understandings from legislative frameworks might direct adherence to regional waste management regulations.

Overall, the prior study ensures that the project is guided by evidence-based techniques and adapted to address Dominica's unique plastic pollution concerns by providing a valuable foundation for its development and implementation.

2.2.3 Other theory related to the topic in study

Life Cycle Assessment (LCA) Theory:

According to EchoChain, an LCA software company, “A Life Cycle Assessment (LCA) is an analysis of the impact one object has on the world around it” (Quist, 2023). Applying LCA principles to plastic products and waste management can help identify opportunities to reduce the environmental footprint of plastics, such as through material substitution or more efficient recycling processes.

Environmental Ethics Theory:

Environmental ethics theories, including Deep Ecology and Eco-Centrism, provide a moral and philosophical framework for considering the intrinsic value of the environment and all its inhabitants. These theories can underpin the ethical justification for the initiative, emphasizing the moral responsibility to protect the environment from plastic pollution and promote a harmonious relationship with nature.

Extended Producer Responsibility (EPR) Theory:

EPR is a policy approach that assigns responsibility for the end-of-life disposal or recycling of products to the manufacturers. Implementing EPR principles can help shift the burden of plastic waste management from consumers and municipalities to the producers, encouraging product design that considers recyclability and reduced environmental impact.

3 METHODOLOGICAL FRAMEWORK

3.1 Information sources

According to LIS Education Network, an online general archive library, “An Information Source is a source of information for somebody, i.e., anything that might inform a person about something or provide knowledge to somebody. Information sources may be observations, people speeches, documents, pictures, organizations etc.” (LISedunetwork & LISedunetwork, 2022).

3.1.1 Primary sources

According to Umass Boston, an online library, defines primary sources as “immediate, first-hand accounts of a topic, from people who had a direct connection with it. Primary sources can include: Texts of laws and other original documents, newspaper reports, by reporters who witnessed an event or who quote people who did, speeches, diaries, letters and interviews - what the people involved said or wrote, original research, datasets, survey data, such as census or economic statistics, and photographs, video, or audio that capture an event” (Research Guides: Primary Sources: A Research Guide: Primary Vs. Secondary, n.d.)

3.1.2 Secondary sources

According to Umass Boston, an online library, defines secondary sources as “one step removed from primary sources, though they often quote or otherwise use primary sources. They can cover the same topic but add a layer of interpretation and analysis. Secondary sources can include: Most books about a topic, analysis, or interpretation of

data, scholarly or other articles about a topic, especially by people not directly involved and documentaries (though they often include photos or video portions that can be considered primary sources)" (Research Guides: Primary Sources: A Research Guide: Primary Vs. Secondary, n.d.)

Chart 1

Information sources

Objectives	**Information sources**	
	Primary	**Secondary**
To create the Scope Management Plan, this will clearly detail all work necessary for the project and just that work that will be essential to its success.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To create a Schedule Management Plan that outlines the project management strategy that will be used to manage the project for a	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents,

Objectives	Information sources	
	Primary	**Secondary**
timely completion.		and Project documents of past similar projects
To develop a Cost Management Plan that would enable project funding to be managed to finish the project under budget.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To create a Quality Management Plan for the project to manage and regulate quality.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.
To create a Resource	Surveys and Questionnaires,	Lecture Notes, Conference

Objectives	Information sources	
	Primary	**Secondary**
Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	Field Observations, Interviews and Project Documentation.	Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To establish a Communication Management Plan that makes sure all project team members and stakeholders have access to the data they require for productive cooperation.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To formulate a Risk Management Plan that increases the likelihood	Surveys and Questionnaires, Field Observations, Interviews and Project	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK

Objectives	Information sources	
	Primary	**Secondary**
that the project will succeed by reducing potential risks and maximizing the impact of positive risks.	Documentation.	Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents,

Objectives	Information sources	
	Primary	**Secondary**
a final product that offers value for those affected.		and Project documents of past similar projects
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and sustainable development.	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation.	Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects

(Note: S. Oliver, 2023)

3.2 Research methods

According to University of Newcastle Library Guides, an online library, “Qualitative Research gathers data about lived experiences, emotions or behaviors, and the meanings individuals attach to them. It assists in enabling researchers to gain a better understanding of complex concepts, social interactions, or cultural phenomena. This type of research is useful in the exploration of how or why things have occurred, interpreting events, and describing actions.” (LibGuides: Research Methods: What Are Research Methods?, n.d.).

3.2.1 Qualitative Method

According to University of Newcastle Library Guides, an online library, “Research methods are the strategies, processes or techniques utilized in the collection of data or evidence for analysis in order to uncover new information or create better understanding of a topic” (LibGuides: Research Methods: What Are Research Methods? n.d.).

3.2.2 Quantitative Method

According to University of Newcastle Library Guides, an online library, “Quantitative Research gathers numerical data which can be ranked, measured, or categorized through statistical analysis. It assists with uncovering patterns or relationships, and for generalizing. This type of research is useful for finding out how many, how much, how often, or to what extent” (LibGuides: Research Methods: What Are Research Methods? n.d.).

3.2.3 Mixed Methods

According to University of Newcastle Library Guides, an online library, "Mixed Methods Research integrates both Qualitative and Quantitative Research. It provides a holistic approach combining and analyzing the statistical data with deeper contextualized insights. Using Mixed Methods also enables Triangulation, or verification, of the data from two or more sources" (LibGuides: Research Methods: What Are Research Methods? n.d.).

Chart 2

Research Methods

Objectives	**Research methods**		
	Qualitative	Quantitative	Mixed Method
To create the Scope Management Plan, this will clearly detail all work necessary for the project and just that work that will be essential to its success.	To create the Scope Management Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Scope Management Plan.	Relationships will be established for the Scope Management Plan using a combination of the two techniques.
To create a Schedule Management Plan that outlines the project	To create the Schedule Management	The historical data and variables will be analyzed	Relationships will be established for

Objectives	Research methods		
	Qualitative	Quantitative	Mixed Method
management strategy that will be used to manage the project for a timely completion.	Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	using the quantitative method to create the Schedule Management Plan.	the Schedule Management Plan using a combination of the two techniques.
To develop a Cost Management Plan that would enable project funding to be managed to finish the project under budget.	To create the Cost Management Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Cost Management Plan.	Relationships will be established for the Cost Management Plan using a combination of the two techniques.
To create a Quality Management Plan for the project to manage and regulate quality	To create the Quality Management Plan, a qualitative	The historical data and variables will be analyzed using the	Relationships will be established for the Quality

Objectives	Research methods		
	Qualitative	Quantitative	Mixed Method
	approach will be used to acquire a comprehensive understanding of the data.	quantitative method to create the Quality Management Plan.	Management Plan using a combination of the two techniques.
To create a Resource Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	To create the Resource Management Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Resource Management Plan.	Relationships will be established for the Resource management plan using a combination of the two techniques.
To establish a Communication Management Plan that makes sure all project team members and stakeholders	To create the Communication Management Plan, a qualitative approach will be	The historical data and variables will be analyzed using the quantitative	Relationships will be established for the Communication

Objectives	Research methods		
	Qualitative	Quantitative	Mixed Method
have access to the data they require for productive cooperation.	used to acquire a comprehensive understanding of the data.	method to create the Communication Management Plan.	Management Plan using a combination of the two techniques.
To formulate a Risk Management Plan that increases the likelihood that the project will succeed by reducing potential risks and maximizing the impact of positive risks.	To create the Risk Management Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Risk Management Plan.	Relationships will be established for the Risk Management Plan using a combination of the two techniques.
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes	To create the Procurement Management Plan, a qualitative	The historical data and variables will be analyzed using the	Relationships will be established for the Procurement

Objectives	Research methods		
	Qualitative	Quantitative	Mixed Method
required for the project's successful completion.	approach will be used to acquire a comprehensive understanding of the data.	quantitative method to create the Procurement Management Plan.	Management Plan using a combination of the two techniques.
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a final product that offers value for those affected.	To create the Stakeholder Management Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Stakeholder Management Plan.	Relationships will be established for the Stakeholder Management Plan using a combination of the two techniques.
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks	To create the Integration Management Plan, a qualitative approach will be	The historical data and variables will be analyzed using the quantitative	Relationships will be established for the Integration Management

Objectives	Research methods		
	Qualitative	Quantitative	Mixed Method
inside the project.	used to acquire a comprehensive understanding of the data.	method to create the Integration Management Plan.	Plan using a combination of the two techniques.
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and sustainable development.	To create the Sustainable Development Plan, a qualitative approach will be used to acquire a comprehensive understanding of the data.	The historical data and variables will be analyzed using the quantitative method to create the Sustainable Development Plan.	Relationships will be established for the Sustainable Management Plan using a combination of the two techniques.

(Note: S. Oliver, 2023)

3.3 Tools

According to the Project Management Institute (2017), a tool can be defined as "Something tangible, such as a template or software program, used in performing an activity to produce a product or result" Program Management Institute, 2017, p.g 725).

The following tools were used throughout the project:

1. Scope Management Plan Template: Outlines how project scope will be defined, verified, and controlled.
2. Schedule Management Plan Template: Details how the project schedule will be developed and maintained.
3. Cost Management Plan Template: Defines how project costs will be estimated, budgeted, and controlled.
4. Project Management Plan Template: Covers all aspects of project management, including scope, schedule, cost, quality, etc.
5. Quality Management Plan Template: Explains how quality will be ensured throughout the project.
6. Resource Management Plan Template: Details how project resources (human, equipment, materials) will be acquired and managed.
7. Communication Management Plan Template: Outlines the project's communication strategy, including stakeholders, frequency, and methods.
8. Risk Management Plan Template: Describes how project risks will be identified, analyzed, and mitigated.
9. Procurement Management Plan Template: Details of how project procurement activities will be managed.
10. Stakeholder Management Plan: Outlines how stakeholders will be identified, engaged, and managed.
11. Integration Management Plan Template: Defines how various project components will be integrated and managed.

12. Sustainable Management Plan Template: Details how sustainability goals will be integrated into the project.
13. Project Management Scheduling Software: Tools to create and manage project schedules.
14. Activity List Template: Used to list and describe project activities.
15. Responsibility Assignment Matrix: Assigns responsibilities to project team members for each task or activity.
16. Communication Matrix: Outlines how project communication will be managed, including who communicates with whom and when.
17. Stakeholder Engagement Assessment Matrix: Helps assess and categorize stakeholder engagement needs.
18. Stakeholder Prioritization Matrix: Ranks project stakeholders based on their importance and influence.
19. Project Charter Template: Documents key project information, including objectives, scope, and stakeholders.
20. Risk Register Template: Documents and tracks project risks.
21. Requirements Traceability Matrix: Links project deliverables to their respective requirements.
22. Work Breakdown Structure: Breaks down the project into smaller, manageable components or tasks.
23. Work Breakdown Dictionary (WBS): Provides details about tasks, activities, and deliverables in the work breakdown structure.

24. Bottom-up Estimation: An estimation technique that calculates overall project costs by working from detailed cost estimates.
25. Quality Activities Matrix Template: Outlines how quality management activities will be performed.
26. Stakeholder Register Template: Documents project stakeholders and their information.
27. Assessment Matrix: Compares current and desired stakeholder engagement levels.
28. P5 Impact Analysis: A tool to assess the impact of the project on sustainable development.

Chart 3

Tools

Objectives	Tools
To create the Scope Management Plan, this will clearly detail all work necessary for the project and just that work that will be essential to its success.	Expert Judgment, Data Analysis, Meetings, Scope Management Plan Template, Requirements Traceability Matrix, Work Breakdown Structure and Work Breakdown Structure Dictionary
To create a Schedule Management Plan that outlines the project management strategy that will be used to manage the project for a timely completion.	Expert Judgment, Data Analysis Meetings, Activity List, MS Projects, and Schedule Management Plan Template
To develop a Cost Management Plan that would enable project funding to be	Expert Judgment, Data Analysis, Meetings, Bottom – Up Estimation, and Cost Management Plan Template

Objectives	Tools
managed to finish the project under budget.	
To create a Quality Management Plan for the project to manage and regulate quality	Expert Judgment, Data gathering, Data analysis, Decision making, Data representation, Test and inspection planning, Meetings, Quality Activities Matrix Template and Quality Management Plan Template
To create a Resource Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	Expert Judgment, Data representation, Organizational Theory, Meetings, and Resource Management Plan Template
To establish a Communication Management Plan that makes sure all project team members and stakeholders have access to the data they require for productive cooperation.	Expert Judgment, Communication requirements analysis, Communication technology, Communication models, Communication methods, Interpersonal and team skills, Data representation, Meetings, and Communication Management Plan Template
To formulate a Risk Management Plan that increases the likelihood that the	Expert Judgment, Data Analysis, Meetings, Risk Register Template, and Risk Management Plan

Objectives	Tools
project will succeed by reducing potential risks and maximizing the impact of positive risks.	Template
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	Expert Judgment, Data gathering, Data analysis, Source selection analysis, Meetings, and Procurement Management Plan Template
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a final product that offers value for those affected.	Expert Judgment, Data gathering, Data analysis, Data representation, Meetings, Stakeholder Register Template, Stakeholder Assessment Matrix, and Stakeholder Management Plan Template
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	Expert Judgment, Data gathering, Data analysis, Data representation, Meetings, Interpersonal and team skills, Integration Management Plan Template and Project management information system
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and	Expert Judgment, Sustainable Management Plan Template, Data gathering, Data analysis, P5 Impact Analysis and Meetings

Objectives	Tools
sustainable development.	

(Note: S. Oliver, 2023)

3.4 Assumptions and constraints

Assumptions

The Project Management Institute (2017) states that "assumptions are factors in planning that are considered to be true, real or certain, without proof or demonstration case" (PMI, 2017, p.g 699).

Constraints

The Project Management Institute (2017), states that "a constraint is a limiting factor that affects the execution of a project, program, portfolio or process" (PMI, 2017, p.g 701).

Chart 4

Assumptions and Constraints

Objectives	Assumptions	Constraints
To create the Scope Management Plan, this will clearly detail all work necessary for the project and just that work that will be essential to its success.	The data required to completely establish the project scope is available.	Scope definition may be impacted by the organizational structure of the project sponsors and the lack of information from stakeholders.
To create a Schedule	The weather conditions in	The availability of volunteer

Objectives	Assumptions	Constraints
Management Plan that outlines the project management strategy that will be used to manage the project for a timely completion.	Dominica are generally predictable and conducive to outdoor activities throughout the year.	manpower for various project activities.
To develop a Cost Management Plan that would enable project funding to be managed to finish the project under budget.	The cost estimates are based on accurate and up-to-date data regarding the current state of plastic pollution in Dominica and the costs associated with waste management and recycling practices.	The availability of financial resources. TNISWM may have limited funding or budgetary constraints for the Dominica Plastic Detox Initiative.
To create a Quality Management Plan for the project to manage and regulate quality.	There is sufficient waste collection infrastructure and equipment available in Dominica.	Limited budget for quality control measures.
To create a Resource Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	Adequate funding will be available throughout the project's duration.	There may be limitations in the availability of skilled labor and specialized expertise in waste management and environmental sustainability in Dominica.

Objectives	Assumptions	Constraints
To establish a Communication Management Plan that makes sure all project team members and stakeholders have access to the data they require for productive cooperation.	It is assumed that all key stakeholders, including government agencies, local communities, environmental organizations, and project team members, are committed to actively engaging in communication and collaboration throughout the project.	Limited access to technology and infrastructure in certain remote areas of Dominica where plastic pollution is a significant concern.
To formulate a Risk Management Plan that increases the likelihood that the project will succeed by reducing potential risks and maximizing the impact of positive risks.	The local government and regulatory authorities will fully support and enforce environmental regulations related to plastic waste management.	Availability of financial resources
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	There are qualified and environmentally responsible suppliers for necessary equipment and materials related to plastic detox initiatives, such as	Budgetary limitations

Objectives	Assumptions	Constraints
	recycling machinery and waste collection containers, are readily available in the local or regional market.	
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a final product that offers value for those affected.	Stakeholders, including government agencies, local communities, environmental organizations, and investors, are generally supportive of and willing to engage in efforts to combat plastic pollution.	The availability of limited financial resources for stakeholder engagement activities.
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	The government of Dominica will provide consistent support and collaborate actively throughout the project's lifecycle.	Budget limitations.
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and	There will be strong community support and active engagement in waste reduction efforts.	Limited financial resources.

Objectives	Assumptions	Constraints
sustainable development.		

(Note: S. Oliver, 2023)

3.5 Deliverables

The Project Management Institute (2017) defines the term deliverable as "any unique or verifiable product, result or capability to perform a service that is required to be produced to complete a process, phase or project" (PMI, 2017, pg. 95).

Chart 5

Deliverables

Objectives	Deliverables
To create the Scope Management Plan, this will clearly detail all work necessary for the project and just that work that will be essential to its success.	Scope statement, project objectives, work breakdown structure (WBS), scope change requests, and scope verification reports.
To create a Schedule Management Plan that outlines the project management strategy that will be used to manage the project for a timely completion.	Project schedule, milestone dates, Gantt charts, and progress reports.
To develop a Cost Management Plan that would enable project funding to be managed to finish the project under budget.	Project budget, cost estimates, cost baseline, cost variance reports, and financial statements.
To create a Quality Management Plan for the	Quality assurance reports, inspection results, and quality

Objectives	Deliverables
project to manage and regulate quality.	metrics.
To create a Resource Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	Resource allocation reports, resource utilization records, and resource release plans.
To establish a Communication Management Plan that makes sure all project team members and stakeholders have access to the data they require for productive cooperation.	Communication plans, status reports, meeting minutes, and stakeholder communication records.
To formulate a Risk Management Plan that increases the likelihood that the project will succeed by reducing potential risks and maximizing the impact of positive risks.	Risk register, risk assessment reports, risk mitigation plans, and risk status updates.
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	Procurement contracts, vendor performance evaluations, and procurement reports.
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a	Stakeholder engagement reports, communication with stakeholders, and stakeholder feedback.

Objectives	Deliverables
final product that offers value for those affected.	
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	Integrated project performance reports and project change requests.
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and sustainable development.	Sustainability impact assessments, sustainability performance reports, and sustainable development metrics.
To develop a Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	Procurement contracts, vendor performance evaluations, and procurement reports.
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a final product that offers value for those affected.	Stakeholder engagement reports, communication with stakeholders, and stakeholder feedback.
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	Integrated project performance reports and project change requests.
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect	Sustainability impact assessments, sustainability performance reports, and sustainable development

Objectives	Deliverables
future regenerative and sustainable development.	metrics.

(Note: S. Oliver, 2023)

4 RESULTS

4.1.Integration Management Plan

4.1.1 Integration Plan Introduction

The Project Integration Plan for the Dominica Plastic Detox Initiative serves as a comprehensive framework for coordinating and harmonizing various project management processes and activities. This plan is essential to ensure that all project elements work together seamlessly to achieve the overarching project objectives. Project integration management involves unifying the project components and aligning them with the project's strategic goals. This introduction outlines the key components of the Project Integration Plan, including the objectives, scope, and the approach to integration. It also emphasizes the critical role of integration management in delivering a successful project that contributes to regenerative and sustainable development in Dominica.

4.1.2 Project Charter

The Project Charter for the Dominica Plastic Detox Initiative provides a concise overview of this critical project, which is aimed at addressing the pressing issue of plastic pollution in Dominica. The charter outlines the essential project information, including the project's background, objectives, stakeholders, constraints, and assumptions. It sets the stage for the comprehensive Project Management Plan by offering a clear understanding of what the project seeks to achieve, why it is crucial, and the primary factors that will influence its success. The charter serves as a foundational document for guiding and

managing the project effectively, ultimately contributing to the regenerative and sustainable development of Dominica.

Chart 6

Project Charter

<table>
<tr><th colspan="2">PROJECT CHARTER</th></tr>
<tr><td>Date</td><td>Project Name</td></tr>
<tr><td>November 4, 2023</td><td>Project Management Plan for the Implementation of Dominica Plastic Detox Initiative</td></tr>
<tr><td>Knowledge Areas/PM Processes</td><td>Application Area (Sector Activity)</td></tr>
<tr><td>Knowledge areas:

Project cost management, project schedule management, project resource management, project procurement management, project stakeholder management</td><td rowspan="2">Environmental Conservation and Sustainability</td></tr>
<tr><td>PM Processes:

Initiating process group, planning process group, executing process group, monitoring, and controlling process group, closing process group</td></tr>
<tr><td>Project Start Date</td><td>Project Finish Date</td></tr>
<tr><td>October 8, 2023</td><td>March 15, 2024</td></tr>
<tr><td colspan="2">Project Objectives (General and Specific)</td></tr>
<tr><td colspan="2">General Objective:

To prepare a project management plan for the implementation of a plastic awareness campaign in Dominica.</td></tr>
<tr><td colspan="2">Specific Objectives:

1. To create a Scope Management Plan that clearly outlines all the work necessary for the project and just the tasks essential to its success.
2. To develop the Schedule Management Plan that will outline the process to be used to manage the project so that it is finished on time.</td></tr>
</table>

PROJECT CHARTER

3. To formulate a cost management strategy that will enable the administration of project finances to keep costs down.
4. To develop a quality management strategy for project quality management and control.
5. To create a resource management strategy that will make it easier to complete project work by guaranteeing that the relevant resources are on hand when they are needed.
6. To develop a communication management strategy that makes sure the project team and stakeholders are informed about all that is important for productive collaboration.
7. To formulate a risk management strategy that increases the likelihood that the project will succeed by reducing potential risks and maximizing the benefits of any positive risks.
8. To develop a Procurement Management Plan to control the acquisition of items, services, or outcomes required for the project's successful completion.
9. To create a product that adds value for people affected by the project, a Stakeholder Management Plan must be designed that enables the identification and management of stakeholders who will be affected by the project.
10. To develop a project Integration Management Plan that defines the procedures for coordinating the various project management tasks.
11. To prepare a Sustainable Development Plan to evaluate how the project's outcome will affect regenerative and sustainable development.

Project purpose or justification (merit and expected results):

A significant initiative to address the urgent problem of plastic pollution in the country of Dominica is the Dominica Plastic Detox Initiative. Given the huge and well-documented negative consequences of plastic pollution on the environment, public health, and economy, the significance of this effort cannot be emphasized. Recent studies show that Dominica generates tons of plastic garbage annually, which has negative effects such as contaminating the natural environments, harming marine life, and releasing toxic compounds into the ecosystems. This initiative is essential because it will offer a comprehensive and regional response to this pressing problem.

The financial cost of plastic pollution is clear in numbers. Dominica faces significant expenses every year for cleaning up plastic waste and losing out on tourists because of the degradation of the precious nature. The author anticipates a large decrease in these expenses by putting the Dominica Plastic Detox Initiative into action, potentially saving the country millions of dollars every year. Additionally, the initiative will open new economic prospects for environmentally friendly companies, producing cash and jobs while also improving the inhabitants' quality of life.

The initiative is crucial because it supports international sustainability pledges and goals. Dominica's international standing as a responsible and eco-aware nation will be enhanced by the involvement in this national plastic awareness campaign. This would help the

PROJECT CHARTER

country become more resilient and sustainable over the long run-in addition to bringing in partnerships and investments from abroad. In conclusion, the Dominica Plastic Detox Initiative is an important initiative that will reduce the negative consequences of plastic pollution, generate significant economic advantages, and establish the country as a pioneer in environmental stewardship on a global scale.

Description of Product or Service to be generated by the Project final deliverables:

The project encompasses the planning and execution of the Dominica Plastic Detox Initiative, focusing on waste reduction, recycling, community engagement, and educational campaigns. It aims to reduce plastic pollution and promote sustainable practices in Dominica.

Assumptions

1. Support and cooperation from local communities and stakeholders.
2. Availability of necessary resources and funding.
3. Adherence to environmental regulations and standards.
4. Effective communication and collaboration among project team members.
5. Favorable external conditions and climate.

Constraints

1. Budget constraints may limit the scale of certain project activities.
2. Regulatory requirements and permits must be obtained for certain project phases.
3. Unforeseen environmental challenges or weather conditions may impact project timelines.

Preliminary Risks

Potential project risks include delays in funding, adverse weather conditions, community resistance, and changing environmental regulations. These risks will be assessed and mitigated throughout the project.

Budget

USD$28,000.00

Milestone and Dates

Milestone	**Start Date**	**End Date**
Project Initiation: Completion of Project Charter Stakeholder Identification and Analysis	October 8, 2023	October 25, 2023
Project Planning:	October 26, 2023	November 29, 2023

PROJECT CHARTER		
Definition of Scope Schedule Development Cost Estimation Quality Plan Formulation Resource Management Strategy Communication Plan Risk Identification Procurement Plan Stakeholder Engagement Strategy Integration Management Plan		
Project Execution: Project Work Initiation Quality Assurance Resource Procurement Community Engagement Activities Educational Campaign Launch Waste Collection and Cleanup Initiatives	November 15, 2023	December 19, 2023
Project Monitoring and Controlling: Ongoing Project Work Monitoring Change Control and Integrated Change Management Scope Validation Quality Control Resource Management and Control Communication Monitoring Risk Monitoring and Response Procurement Control Stakeholder Engagement Monitoring	October 2, 2023	March 15, 2024
Project Closing: Final Project Cleanup and Evaluation Handover of Deliverables Project Closure and Documentation	January 4, 2024	March 15, 2024
Relevant Historical Information		
For many years, Dominica has struggled with the problem of plastic pollution, as an increasing amount of plastic waste has become a financial burden and a threat to the		

PROJECT CHARTER	
environment. Although certain waste management initiatives have been undertaken, such as basic waste collection and landfill disposal, comprehensive strategies to effectively address the issue of plastic pollution have not been put into practice.	
Stakeholders	
Direct	**Indirect**
1. The Nature Isle Solid Waste Management (TNISWM) 2. Local Communities 3. Government Authorities 4. Environmental Organizations 5. Local Businesses 6. Educational Institutions 7. NGO's	1. Tourists 2. Future Generations 3. Regional and Global Environmental Community 4. Healthcare Services
Approval	
Project Manager: Shan Oliver	Signature:
Authorized by: Sophia Crawford	Signature:

(Note: S. Oliver, 2023)

4.1.3 Project Management Plan

A detailed document outlining the project's execution, monitoring, and control is the "Dominica Plastic Detox Initiative" Project Management Plan (PMP). It consists of actions pertaining to project closure, lessons learned, and change control. Below is a summary and explanation of each of these project management plan components:

Change Control:

The Change Control process within the Project Management Plan for the Dominica Plastic Detox Initiative is designed to systematically evaluate and manage changes to the project scope, schedule, costs, and other aspects. This process ensures that any proposed changes align with project objectives and are implemented in a controlled manner.

Change Request Submission:

Any stakeholder can submit a Change Request Form (CRF), detailing the proposed change. The form includes fields for describing the change, rationale, impact assessment, and proposed solutions.

Change Review Board (CRB):

A designated Change Review Board, consisting of key project stakeholders, will convene to review change requests. The CRB evaluates the proposed change's impact on scope, schedule, cost, and other project constraints.

Impact Assessment:

The Project Manager, supported by relevant experts, conducts a thorough impact assessment for each change. The assessment considers implications on project objectives, deliverables, resources, and timelines.

Approval Process:

The CRB makes decisions on change requests based on the impact assessment. Approved changes proceed to the next steps, while rejected changes are documented with reasons.

Documentation:

Approved changes are documented using the Change Log, which captures details of the change, approval status, and implementation steps. Rejected changes are also documented to maintain transparency and a historical record.

Communication:

Communication plans are activated to inform relevant stakeholders of approved changes and their implications. Regular updates are provided to keep the project team and stakeholders informed.

Change Request Form

Project Name: Project Management Plan for the Implementation of the Dominica Plastic Detox Initiative

Change Request Number: CR-YYYY-MM-DD-001

Submitted by: [Name]

Date Submitted: [Date]

Description of Change:

[Detailed description of the proposed change, including background, objectives, and rationale]

Impact Assessment:

Scope Impact:

[High/Medium/Low]

Schedule Impact:

[High/Medium/Low]

Budget Impact:

[High/Medium/Low]

Risk Assessment:

[Identified risks and mitigation strategies]

Recommendation:

[Approve/Reject/Modify]

Comments:

[Any additional comments or considerations from the submitter or stakeholders]

CRB Decision:

[Approve/Reject/Modify]

Date:

[Date of CCB decision]

Implementation Plan:

[Outline the plan for implementing the change, including tasks, responsible parties, and timeline]

Documentation and Lessons Learned:

[Document outcomes and lessons learned during the change process for future reference]

Change Management Communication Plan							
Change Project Name							
Change Project Owner							
Change Communication Approver(s)							
Last Updated							
Change Project Name							
Change Project Owner							
Phase	**Communication/Event**	**Estimated Date**	**Status**	**Targeted Stakeholders**	**Reason for Communication**	**Methods of Communication**	**Key Messaging**
Assessment and Planning							
Implement Change							
Monitor Ongoing Change and Metrics							

Lessons Learned:

1. Documentation: The project team will maintain a lesson learned log throughout the project, recording both positive and negative experiences, challenges, and successes.
2. Regular Reviews: Periodic reviews of lessons learned will be conducted to extract valuable insights from the project's progression.
3. Knowledge Sharing: The lessons learned will be shared with the project team, stakeholders, and relevant parties to enhance decision-making, avoid pitfalls, and replicate successful strategies in future projects.

Lessons Learned Form

Project Name: Project Management Plan for the Implementation of the Dominica Plastic Detox Initiative

Lesson Learned ID: [Auto-generated]

Date of Lesson: [Date]

Project Phase: [Initiation/Planning/Execution/Monitoring and Controlling/Closing]

Lesson Description:

[Concisely describe the lesson learned, including the context and circumstances.]

Impact on the Project:

[Detail how the lesson affected the project, whether positively or negatively.]

Recommendations:

[Provide recommendations on how similar situations can be handled differently or improved upon in future projects.]

Applicability:

[Indicate the specific areas or phases of the project where the lesson is most relevant.]

Preventive Actions Taken:

[Describe any preventive actions taken during the project to address or mitigate similar issues.]

Responsibility:

[Identify the team member or stakeholder responsible for the lesson learned and its resolution.]

Document Owner: [Name/Role of the person documenting the lesson]

Date Documented: [Date]

Review Date: [Date for reviewing the lesson and its effectiveness]

Attachments:

[Include any relevant documents, reports, or data supporting the lesson learned.]

Review and Approval:

[Specify the individuals or roles responsible for reviewing and approving the lessons learned document.]

Comments:

[Any additional comments or reflections on the lesson.]

Project Closure:

1. Closure Activities: The PMP will outline the specific activities required for project closure, including final inspections, verification of deliverables, and conducting a project review.

2. Documentation: Comprehensive project documentation, including a final project report, will be prepared to summarize the project's achievements, challenges, and outcomes.

3. Handover: If applicable, a structured handover process will be defined for transitioning project deliverables or responsibilities to the appropriate parties.

Stakeholder Communication: The closure phase will include a formal communication plan to notify all stakeholders of the project's successful completion, highlighting its impact and outcomes.

4. Archiving: The PMP will specify the procedures for archiving project documentation and artifacts for future reference.

The Project Management Plan is a dynamic document that will be continually updated throughout the project to reflect changes, evolving lessons, and progress towards closure. This plan ensures that the "Dominica Plastic Detox Initiative" is executed effectively and that its impact on regenerative and sustainable development is maximized.

4.2 Project Scope Management

The plan for scope management delineates the approach to establishing, overseeing, and regulating the extent of the "Dominica Plastic Detox Initiative." The success of the project depends on a precise definition of the scope, which guarantees that only work that is required to achieve project goals is included and that no work is left out. The project team can use this plan as a guide to ensure that changes are controlled, scope creep is avoided, and the desired project outcomes are achieved.

4.2.1 Collecting Requirements

To precisely define the project's scope, gathering and recording stakeholder needs and expectations is an essential part of the requirements collection phase of project scope management. In the context of the "Dominica Plastic Detox Initiative," gathering requirements is crucial to comprehending what is required to effectively address the problem of plastic pollution and accomplish the goals of the project. The project Scope Management Plan collects requirements in the following manner:

1. Identifying Stakeholders
2. Engaging Stakeholders
3. Documenting Requirements
4. Validation
5. Prioritization
6. Documentation and Traceability
7. Change Management
8. Communication

Chart 7

Requirements Traceability Matrix

ID	Requirement Description	Source/Requestor	Business Justification	WBS Deliverable	Criteria	Status
1	Develop educational materials for public awareness campaigns about plastic pollution.	Project Team	Raise public awareness and promote responsible plastic use.	1.1.2.3	Educational materials produced and reviewed.	In progress
2	Implement a waste collection and recycling program for coastal	Environmental Authorities	Mitigate plastic pollution in coastal regions.	1.2.2.1	Recycling program established,	Not started

ID	Requirement Description	Source/Requestor	Business Justification	WBS Deliverable	Criteria	Status
	areas.				waste collected, and recyclables processed.	
3	Engage local schools for educational sessions on plastic waste reduction	Education Institutions	Promote environmental education and engage future generations.	1.3.2.2	Educational sessions conducted; feedback received.	Planned
4	Establish a community volunteer cleanup initiative.	Local Communities	Empower and involve residents in waste reduction efforts.	1.4.2.4	Cleanup events organized; participation tracked.	Not started
5	Ensure compliance with all relevant environmental regulations and standards.	Government Authorities	Avoid legal penalties and support environmentally responsible practices.	1.5.2.5	Regulatory compliance documented and verified.	In progress
6	Increase recycling rates by 20% in targeted areas.	Project Team	Reduce the environmental impact of plastic waste.	1.2.2.1	Recycling rates measured and compared to baseline.	Planned
7	Reduce plastic waste in coastal areas by 30% within the five months.	Environmental Authorities	Preserve coastal ecosystems and marine life.	1.2.2.1	Plastic waste levels measured and compared to baseline.	Planned

(Note: S. Oliver, 2023)

4.2.3 Define Scope

Project Scope Statement

The Dominica Plastic Detox Initiative aims to address the critical issue of plastic pollution in Dominica. This comprehensive project will encompass waste collection and

cleanup efforts, community engagement activities, educational campaigns, and initiatives for responsible waste management. It seeks to reduce plastic waste in coastal areas, rivers, and forests while increasing public awareness and promoting sustainable practices.

Acceptance Criteria

The project will be considered successful if it results in a significant reduction of plastic waste in the target areas.

1. Recycling rates should increase by 20% in targeted areas and 30% in coastal areas within 3 months.
2. Public awareness of the environmental impact of plastic pollution should rise, as evidenced by survey results.
3. Local communities must actively participate in waste reduction efforts.
4. The project must adhere to all relevant environmental standards and regulations.
5. A final project evaluation should demonstrate improved environmental conditions and overall well-being in Dominica.

Project Exclusions

1. The project will not address issues beyond plastic pollution, such as other forms of pollution or environmental concerns unrelated to plastic waste.
2. The initiative does not include the construction of new infrastructure, apart from any temporary facilities required for waste collection and cleanup.
3. It does not encompass changes in existing laws and regulations, but rather focuses on compliance with current environmental standards.

Project Constraints

1. The project is constrained by a budget of USD$28,000.00.
2. The project must be completed within 3 months.
3. The availability of manpower, equipment, and waste management facilities may pose constraints on project activities.
4. Compliance with existing environmental regulations is a constraint on project execution.
5. Potential resistance from local communities may limit the project's scope and activities.

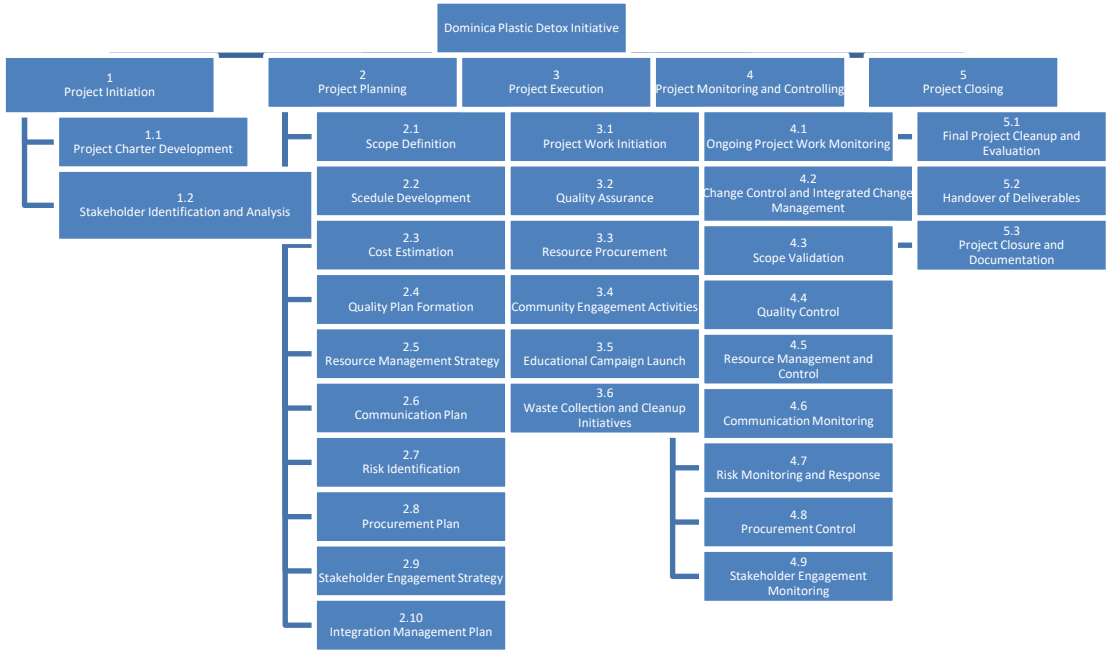
Project Assumptions

1. The project assumes the availability of required financial resources within the specified budget.
2. It assumes that all regulatory approvals necessary for the project have been or will be obtained.
3. The project assumes a willingness of local communities to participate in waste reduction efforts.
4. It assumes the cooperation of relevant authorities and agencies in supporting project goals.
5. It assumes that the project team will work in accordance with the project plan and schedule.

4.2.4 Work Breakdown Structure (WBS)

Figure 13

Work Breakdown Structure



(Note: S. Oliver, 2023)

4.2.5 Work Breakdown Structure (WBS) Dictionary

A Work Breakdown Structure (WBS) Dictionary provides detailed information about the components and elements of the WBS. Here's a simplified WBS Dictionary for the "Dominica Plastic Detox Initiative" based on the provided WBS.

Chart 8

WBS Dictionary

WBS Code	WBS Deliverable	Description	Responsible	Duration
1.1	Project Charter Development	Creation of the official project charter document outlining project objectives and stakeholders.	Project Manager	7 days
1.2	Stakeholder Identification and Analysis	Identify and analyze project stakeholders to determine their interests, influence, and engagement levels.	Project Manager	11 days
2.1	Scope Definition	Define the project's scope, including objectives, deliverables, and boundaries.	Project Manager	3 days
2.2	Schedule Development	Create a project schedule, including task sequencing and timelines.	Project Manager	2 days
2.3	Cost Estimation	Estimate project costs, including resource and material costs.	Project Manager, Financial Analyst	2 days
2.4	Quality Plan Formulation	Develop a Quality Management Plan to ensure project deliverables meet quality standards.	Project Manager, Quality Assurance Specialist	2 days
2.5	Resource Management Strategy	Define strategies for resource allocation and management.	Project Manager, Resource Manager	3 days
2.6	Communication Plan	Develop a communication plan to facilitate effective project team and stakeholder communication.	Project Manager, Communications Specialist	4 days
2.7	Risk Identification	Identify potential project risks and assess their impact and likelihood.	Project Manager, Risk Management Team	1 day
2.8	Procurement Plan	Develop a procurement plan for acquiring necessary resources and	Project Manager, Procurement	1 day

WBS Code	WBS Deliverable	Description	Responsible	Duration
		services.	Specialist	
2.9	Stakeholder Engagement Strategy	Define strategies for engaging and managing project stakeholders.	Project Manager, Stakeholder Engagement Team	2 days
2.10	Integration Management Plan	Develop a plan for coordinating various project management tasks and processes.	Project Manager, Integration Manager	5 days
3.1	Project Work Initiation	Activities related to starting and initiating project work, setting up project teams, and establishing work processes.	Project Manager	5 days
3.2	Quality Assurance	Activities to ensure the quality of project work and deliverables.	Quality Assurance Team	5 days
3.3	Resource Procurement	Procuring necessary resources such as equipment, materials, and labor for project activities.	Procurement Manager	3 days
3.4	Community Engagement Activities	Activities to engage local communities, including awareness campaigns, meetings, and feedback collection.	Community Engagement Team	6 days
3.5	Educational Campaign Launch	Launching educational campaigns in local schools and communities.	Education Institutions, Community Engagement Team	2 days
3.6	Waste Collection and Cleanup Initiatives	Initiatives for collecting and cleaning up plastic waste in coastal areas and other targeted regions.	Environmental Authorities, Local Communities	4 days
4.1	Ongoing Project Work Monitoring	Continuous monitoring of project activities to ensure they align with the project plan.	Project Manager	93 days
4.2	Change Control and Integrated Change Management	Managing and controlling changes to the project scope, schedule, and resources.	Change Control Board	93 days
4.3	Scope Validation	Validation of project scope to ensure it meets project objectives and requirements.	Project Manager, Quality Assurance Team	93 days
4.4	Quality Control	Activities to control and verify the quality of project deliverables.	Quality Assurance Team	93 days

WBS Code	WBS Deliverable	Description	Responsible	Duration
4.5	Resource Management and Control	Monitoring and controlling the allocation and utilization of project resources.	Resource Management Team	93 days
4.6	Communication Monitoring	Monitoring and ensuring effective communication among project stakeholders.	Communication Management Team	93 days
4.7	Risk Monitoring and Response	Ongoing monitoring of project risks and implementing response plans as needed.	Risk Management Team	93 days
4.8	Procurement Control	Controlling the procurement process to ensure timely delivery of resources and services.	Procurement Team	93 days
4.9	Stakeholder Engagement Monitoring	Monitoring and assessing stakeholder engagement and addressing their needs and concerns.	Stakeholder Management Team	93 days
5.1	Final Project Cleanup and Evaluation	Cleanup activities, final evaluations, and assessment of project results.	Environmental Authorities, Project Manager	10 days
5.2	Handover of Deliverables	Handing over project deliverables to relevant stakeholders.	Project Team	10 days
5.3	Project Closure and Documentation	Closing out the project, finalizing project documentation, and archiving project records.	Project Manager	5 days

(Note: S. Oliver, 2023)

4.2.6 Roles and Responsibilities

A Project Role and Responsibility Matrix often referred to as a Responsibility Assignment Matrix (RAM) or RACI matrix helps clarify the roles and responsibilities of individuals or teams within a project. Here's a simplified example for the "Dominica Plastic Detox Initiative":

Chart 9

Project Role and Responsibility Matrix

Role	Responsibility
Project Manager	- Overall project planning, execution, and control.

Role	Responsibility
	- Scope management and change control. - Resource allocation and monitoring. - Risk identification and mitigation. - Stakeholder communication and engagement.
Environmental Authorities	- Oversight of plastic waste collection and recycling program. - Compliance with environmental regulations and standards. - Monitoring plastic waste reduction targets. - Collaborating with local communities for cleanup efforts.
Education Institutions	- Coordination of educational sessions for local schools. - Development of educational materials. - Feedback collection and assessment.
Local Communities	- Active participation in cleanup initiatives. - Coordination of volunteer efforts. - Reporting plastic waste levels and cleanup impact.
Project Team	- Implementation of the project work plan. - Quality assurance and control. - Procurement and resource management. - Execution of community engagement and awareness campaigns. - Reporting on project progress and results.

(Note: S. Oliver, 2023)

4.2.7 Validate Scope

To make sure that the project's deliverables and objectives meet the expectations of the stakeholders and the specified scope statement, scope validation is an essential step in the project management process. Within the framework of the "Dominica Plastic Detox Initiative," scope validation entails verifying that the work and outcomes of the project satisfy the specified criteria and align with the project's goals. For this project, scope validation is carried out as follows:

1. Stakeholder Involvement

2. Review of Deliverables
3. Acceptance Criteria
4. Stakeholder Feedback
5. Scope Change Control
6. Documenting Results
7. Approval
8. Lessons Learned

4.2.8 Control Scope

To keep the project on schedule and within its set parameters, scope control is an essential process in project management that focuses on tracking and managing changes to the project scope. Regarding the "Dominica Plastic Detox Initiative," scope control entails the subsequent essential components:

1. Scope Baseline
2. Change Request Identification
3. Evaluation of Change Requests
4. Change Approval Process
5. Documentation
6. Scope Creep Prevention
7. Ongoing Monitoring
8. Stakeholder Communication
9. Lessons Learned

4.3 Schedule Management Plan

4.3.1 Schedule Management Plan Introduction

The project must proceed as planned, and any schedule deviations must be handled skillfully, which is why the Schedule Management Plan is so important. The project team can successfully implement the Dominica Plastic Detox Initiative on schedule and within the allocated budget by adhering to this plan.

4.3.2 Schedule Management Approach

The "Dominica Plastic Detox Initiative" schedule management approach is a methodical approach to organizing, creating, overseeing, and managing the project schedule. Project activities must be defined, arranged in a certain order, their durations estimated, and a thorough project schedule created. To guarantee that the project stays on course and is finished on schedule to meet its goals, regular monitoring and adjustments are made. This method efficiently manages project timelines, resources, and dependencies by combining tools and techniques from project management standards, such as the PMBOK Guide.

4.3.3 Define Activities

Information from previous projects and expert judgment were used to define the activities. Furthermore, information about predecessors and successors was described to completely comprehend how the activities interacted.

Chart 10

Activity List

Activity List			Activity Attributes		
ID	**Activity Name**	**Activity Description**	**Predecessors ID**	**Successors ID**	**Resource Requirements**

Activity List			Activity Attributes		
ID	**Activity Name**	**Activity Description**	**Predecessors ID**	**Successors ID**	**Resource Requirements**
0	Project Start				
0.1	Start Milestone	Project initiation and charter development	None	1	
1	Project Initiation				
1.1	Project Charter Development	Creation of the official project charter document outlining project objectives and stakeholders.	0.1	0.2	Project Manager, Stakeholders
1.2	Stakeholder Identification and Analysis	Identify and analyze project stakeholders to determine their interests, influence, and engagement levels.	1.1`	2	Project Manager, Stakeholders
2	Project Planning				
2.1	Scope Definition	Define the project's scope, including objectives, deliverables, and boundaries.	1.2	3	Project Manager, Subject Matter Expert
2.2	Schedule Development	Create a project schedule, including task sequencing and timelines.	2.1	3	Project Scheduler, Project Manger
2.3	Cost Estimation	Estimate project costs, including resource and material costs.	2.2	3	Cost Estimator, Project Manager
2.4	Quality Plan Formulation	Develop a Quality Management Plan to ensure project deliverables meet quality standards.	2.3	3	Quality Assurance Team, Project Manager
2.5	Resource Management Strategy	Define strategies for resource allocation and management.	2.4	3	Resource Manager, Project Manager
2.6	Communication Plan	Develop a communication plan to facilitate effective project team and stakeholder communication.	2.5	3	Communication Specialist, Project Manager
2.7	Risk Identification	Identify potential project risks and assess their impact and likelihood.	2.6	3	Risk Management Team, Project Manager
2.8	Procurement Plan	Develop a procurement plan for acquiring necessary resources and services.	2.7	3	Procurement Team, Project Manager
2.9	Stakeholder Engagement Strategy	Define strategies for engaging and managing project stakeholders.	2.8	3	Stakeholder Engagement Team, Project Manager
2.10	Integration Management	Develop a plan for coordinating various project management tasks and processes.	2.9	3	Integration Manager, Project

Activity List			Activity Attributes		
ID	**Activity Name**	**Activity Description**	**Predecessors ID**	**Successors ID**	**Resource Requirements**
	Plan				Manager
3	Project Execution				
3.1	Project Work Initiation	Activities related to starting and initiating project work, setting up project teams, and establishing work processes.	3	3.2 – 3.6	Project Team, Resource Manager
3.2	Quality Assurance	Activities to ensure the quality of project work and deliverables.	3.1	3.3	Quality Assurance Team, Project Manager
3.3	Resource Procurement	Procuring necessary resources such as equipment, materials, and labor for project activities.	3.2	3.4	Procurement Team, Resource Manager
3.4	Community Engagement Activities	Activities to engage local communities, including awareness campaigns, meetings, and feedback collection.	3.3	3.5	Community Engagement Team, Project Manager
3.5	Educational Campaign Launch	Launching educational campaigns in local schools and communities.	3.4	3.6	Education Campaign Team, Project Manager
3.6	Waste Collection and Cleanup Initiatives	Initiatives for collecting and cleaning up plastic waste in coastal areas and other targeted regions.	3.5	3.7	Cleanup Team, Project Manager
4	Project Monitoring and Controlling				
4.1	Ongoing Project Work Monitoring	Continuous monitoring of project activities to ensure they align with the project plan.	4	4.2	Monitoring Team, Project Manager
4.2	Change Control and Integrated Change Management	Managing and controlling changes to the project scope, schedule, and resources.	4.1	4.3	Change Control Team, Project Manager
4.3	Scope Validation	Validation of project scope to ensure it meets project objectives and requirements.	4.2	4.4	Validation Team, Project Manager
4.4	Quality Control	Activities to control and verify the quality of project deliverables.	4.3	4.5	Quality Control Team, Project Manager
4.5	Resource	Monitoring and controlling the allocation	4.4	4.6	Resource Team,

Activity List			Activity Attributes		
ID	**Activity Name**	**Activity Description**	**Predecessors ID**	**Successors ID**	**Resource Requirements**
	Management and Control	and utilization of project resources.			Project Manager
4.6	Communication Monitoring	Monitoring and ensuring effective communication among project stakeholders.	4.5	4.7	Communication Team, Project Manager
4.7	Risk Monitoring and Response	Ongoing monitoring of project risks and implementing response plans as needed.	4.6	4.8	Risk Team, Project Manager
4.8	Procurement Control	Controlling the procurement process to ensure timely delivery of resources and services.	4.7	4.9	Procurement Team, Project Manager
4.9	Stakeholder Engagement Monitoring	Monitoring and assessing stakeholder engagement and addressing their needs and concerns.	4.8	5	Stakeholder Engagement Team, Project Manager
5	Project Closing				
5.1	Final Project Cleanup and Evaluation	Cleanup activities, final evaluations, and assessment of project results.	5	5.1	Project Manager
5.2	Handover of Deliverables	Handing over project deliverables to relevant stakeholders.	5.1	5.2	Project Manager
5.3	Project Closure and Documentation	Closing out the project, finalizing project documentation, and archiving project records.	5.2	5.3	Project Manager
5.4	Project End	Project Closure and Completon	5.3	None	

(Note: S. Oliver, 2023)

4.3.4 Sequence Activities

Using the established relationships, the activities were arranged in the appropriate order during this stage.

4.3.5 Estimate Activity Duration

The process of estimating activity durations began after the activities were identified and sequenced. The inputs were the organizational process assets, enterprise environmental factors, project management plan, and project documents. The instruments and methods

used to estimate the durations of the activities included meetings, data analysis, and expert opinion. Appropriate duration estimates were produced by this process.

The estimation of activity durations within the Dominica Plastic Detox Initiative involved a systematic approach, employing various tools and techniques to ensure accurate and reliable estimates.

Expert Judgment:

Leveraging the knowledge and expertise of individuals with experience in waste management, environmental initiatives, and project execution. Expert opinions were invaluable in providing insights into the time required for specific activities.

Meetings:

Collaborative meetings were conducted with project team members, stakeholders, and subject matter experts. These sessions facilitated discussions on the intricacies of each activity, potential challenges, and dependencies, contributing to more realistic duration estimates.

Data Analysis:

Historical project data, as well as industry benchmarks and standards, were analyzed to identify patterns and trends. This data-driven approach helped in making informed estimates based on past performance and industry best practices.

Project Management Plan:

The overall project management plan, including the scope, resources, and constraints, served as a foundational document guiding the activity duration estimation process. It provided a comprehensive understanding of project requirements and constraints.

Project Documents:

Documents such as the WBS, risk register, and resource calendars were referenced to consider dependencies, constraints, and resource availability during the estimation process. These documents added granularity to the estimates.

Chart 11

Activity Duration

WBS Code	Activity Description	Predecessors	Resource Requirements
0	Project Start		
0.1	Start Milestone	None	
1	Project Initiation		
1.1	Project Charter Development	0.1	Project Manager, Stakeholders
1.2	Stakeholder Identification and Analysis	1.1	Project Manager, Stakeholders
2	Project Planning		
2.1	Scope Definition	1.2	Project Manager, Subject Matter Expert
2.2	Schedule Development	2.1	Project Scheduler, Project Manger
2.3	Cost Estimation	2.2	Cost Estimator, Project Manager
2.4	Quality Plan Formulation	2.3	Quality Assurance Team, Project Manager
2.5	Resource Management Strategy	2.4	Resource Manager, Project Manager
2.6	Communication Plan	2.5	Communication Specialist, Project Manager
2.7	Risk Identification	2.6	Risk Management Team, Project Manager
2.8	Procurement Plan	2.7	Procurement Team, Project Manager
2.9	Stakeholder Engagement Strategy	2.8	Stakeholder Engagement Team, Project Manager
2.10	Integration Management Plan	2.9	Integration Manager, Project Manager
3	Project Execution		
3.1	Project Work Initiation	3	Project Team, Resource Manager
3.2	Quality Assurance	3.1	Quality Assurance Team, Project Manager
3.3	Resource Procurement	3.2	Procurement Team, Resource Manager
3.4	Community Engagement Activities	3.3	Community Engagement Team, Project Manager
3.5	Educational Campaign Launch	3.4	Education Campaign Team, Project Manager
3.6	Waste Collection and Cleanup Initiatives	3.5	Cleanup Team, Project Manager

WBS Code	Activity Description	Predecessors	Resource Requirements
4	Project Monitoring and Controlling		
4.1	Ongoing Project Work Monitoring	4	Monitoring Team, Project Manager
4.2	Change Control and Integrated Change Management	4.1	Change Control Team, Project Manager
4.3	Scope Validation	4.2	Validation Team, Project Manager
4.4	Quality Control	4.3	Quality Control Team, Project Manager
4.5	Resource Management and Control	4.4	Resource Team, Project Manager
4.6	Communication Monitoring	4.5	Communication Team, Project Manager
4.7	Risk Monitoring and Response	4.6	Risk Team, Project Manager
4.8	Procurement Control	4.7	Procurement Team, Project Manager
4.9	Stakeholder Engagement Monitoring	4.8	Stakeholder Engagement Team, Project Manager
5	Project Closing		Project Manager
5.1	Final Project Cleanup and Evaluation	5	
5.2	Handover of Deliverables	5.1	Project Manager
5.3	Project Closure and Documentation	5.2	Project Manager
5.4	Project Ends	5.3	

(Note: S. Oliver, 2023)

4.3.6 Develop Schedule

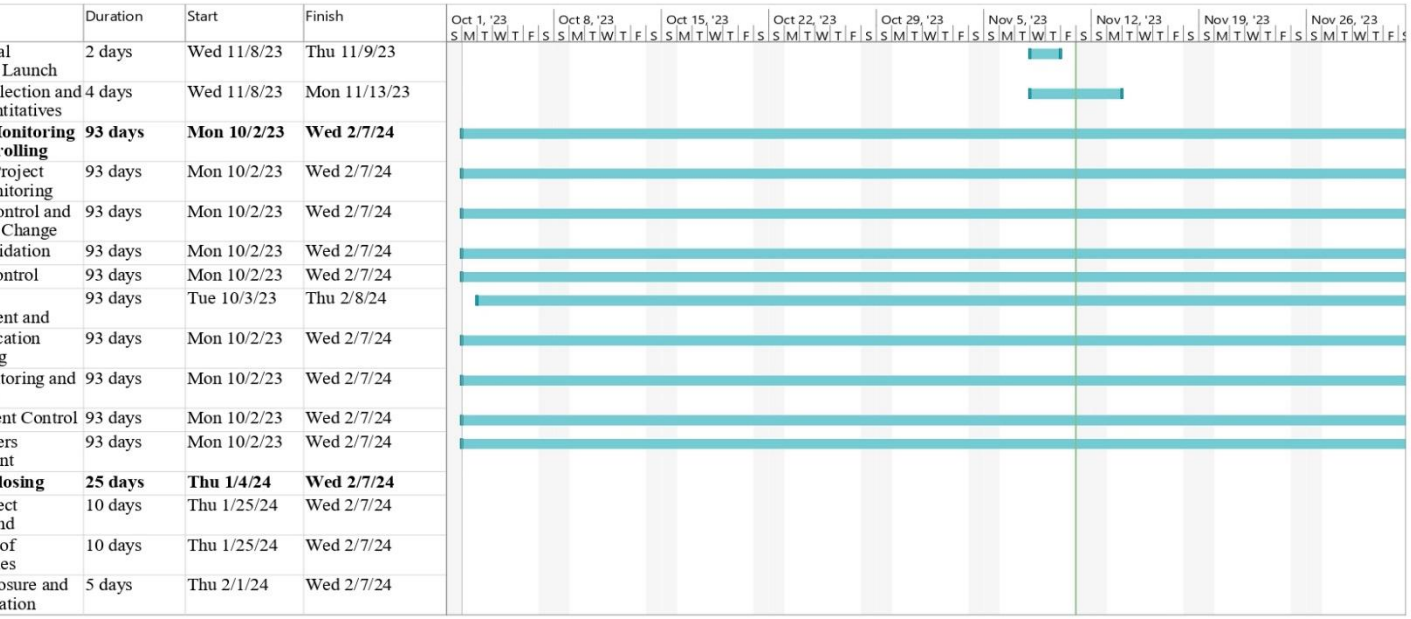
Figure 14

Project Schedule

ID	Task Mode	Task Name	Duration	Start	Finish
1		**Project Management Plan For The Implementation Of Dominica**	**93 days**	**Wed 11/8/23**	**Fri 3/15/24**
2		**Project Initiation**	**18 days**	**Mon 10/2/23**	**Wed 10/25/23**
3		Project Charter Development	7 days	Mon 10/2/23	Tue 10/10/23
4		Stakeholder Identification	11 days	Wed 10/11/23	Wed 10/25/23
5		**Project Planning**	**25 days**	**Thu 10/26/23**	**Wed 11/29/23**
6		Scope Definition	3 days	Thu 10/26/23	Mon 10/30/23
7		Schedule Developme	2 days	Tue 10/31/23	Wed 11/1/23
8		Cost Estimation	2 days	Wed 11/8/23	Thu 11/9/23
9		Quality Plan Formatic	2 days	Wed 11/8/23	Thu 11/9/23
10		Resource Management	3 days	Wed 11/8/23	Fri 11/10/23
11		Communication Plan	4 days	Wed 11/8/23	Mon 11/13/23
12		Risk Identification	1 day	Wed 11/8/23	Wed 11/8/23
13		Procurement Plan	1 day	Wed 11/8/23	Wed 11/8/23
14		Stakeholder Engagement Strategy	2 days	Wed 11/8/23	Thu 11/9/23
15		Integration Management Plan	5 days	Wed 11/8/23	Tue 11/14/23
16		**Project Execution**	**25 days**	**Wed 11/15/23**	**Tue 12/19/23**
17		Project Work Initiatic	5 days	Wed 11/8/23	Tue 11/14/23
18		Qualitty Assusrance	5 days	Wed 11/8/23	Tue 11/14/23
19		Resource Procuremer	3 days	Wed 11/8/23	Fri 11/10/23
20		Community Engagement	6 days	Wed 11/8/23	Wed 11/15/23

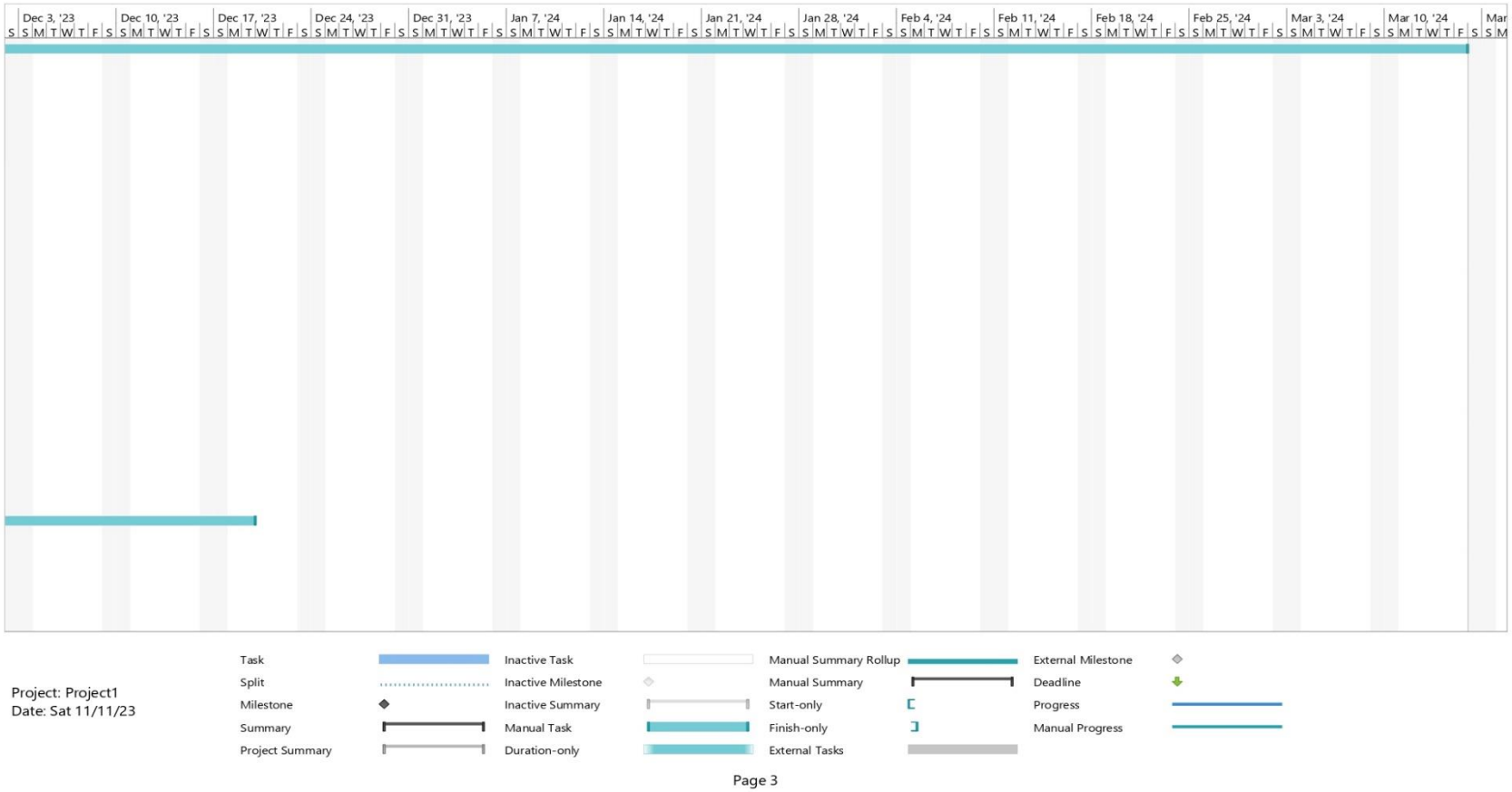
(Note: S. Oliver, 2023)

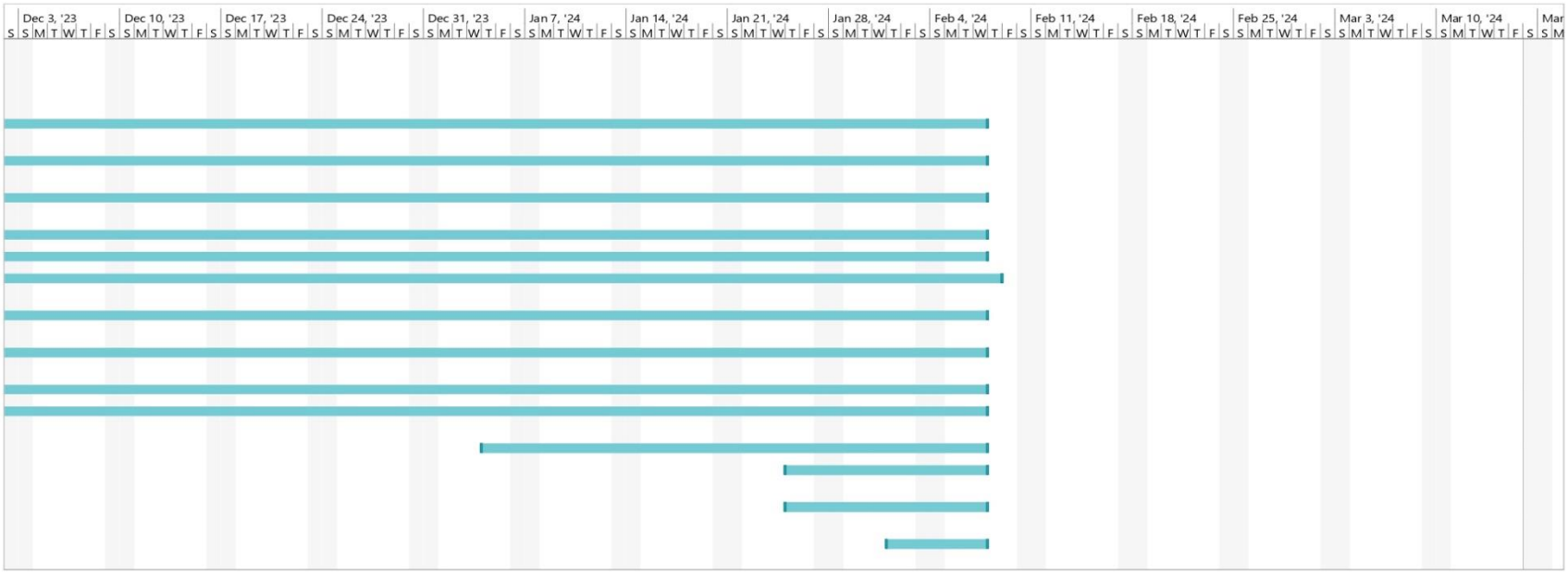
ID	Task Mode	Task Name	Duration	Start	Finish
21		Educational Campaign Launch	2 days	Wed 11/8/23	Thu 11/9/23
22		Waste Collection and Cleanup Intitatives	4 days	Wed 11/8/23	Mon 11/13/23
23		**Project Monitoring and Controlling**	**93 days**	**Mon 10/2/23**	**Wed 2/7/24**
24		Ongoing Project Work Monitoring	93 days	Mon 10/2/23	Wed 2/7/24
25		Change Control and Integrated Change	93 days	Mon 10/2/23	Wed 2/7/24
26		Scope Validation	93 days	Mon 10/2/23	Wed 2/7/24
27		Quality Control	93 days	Mon 10/2/23	Wed 2/7/24
28		Resource Management and	93 days	Tue 10/3/23	Thu 2/8/24
29		Communication Monitoring	93 days	Mon 10/2/23	Wed 2/7/24
30		Risk Monitoring and Response	93 days	Mon 10/2/23	Wed 2/7/24
31		Procurement Control	93 days	Mon 10/2/23	Wed 2/7/24
32		Stakeholders Engagement	93 days	Mon 10/2/23	Wed 2/7/24
33		**Project Closing**	**25 days**	**Thu 1/4/24**	**Wed 2/7/24**
34		Final Project Cleanup and	10 days	Thu 1/25/24	Wed 2/7/24
35		Handover of Deliverables	10 days	Thu 1/25/24	Wed 2/7/24
36		Project Closure and Documentation	5 days	Thu 2/1/24	Wed 2/7/24



Project: Project1
Date: Sat 11/11/23

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress


Dec 3, '23
Dec 10, '23
Dec 17, '23
Dec 24, '23
Dec 31, '23
Jan 7, '24
Jan 14, '24
Jan 21, '24
Jan 28, '24
Feb 4, '24
Feb 11, '24
Feb 18, '24
Feb 25, '24
Mar 3, '24
Mar 10, '24
Project: Project1
Date: Sat 11/11/23
Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress
Page 3



Project: Project1
Date: Sat 11/11/23

Task	Inactive Task	Manual Summary Rollup	External Milestone
Split	Inactive Milestone	Manual Summary	Deadline
Milestone	Inactive Summary	Start-only	Progress
Summary	Manual Task	Finish-only	Manual Progress
Project Summary	Duration-only	External Tasks	

4.3.7 Project Schedule Changes

Project schedule changes can occur for various reasons, including unforeseen events, resource constraints, scope adjustments, or external factors. It is essential to document and manage these changes effectively. Here are some specific project schedule changes related to the implementation of the Dominica Plastic Detox Initiative:

1. Resource Delays
2. Weather-Related Delays
3. Scope Adjustments
4. Stakeholder Availability
5. Quality Assurance Delays
6. Regulatory Approvals
7. Educational Campaign Effectiveness
8. Risk Events

4.3.8 Control Schedule

The Schedule Control process in the Dominica Plastic Detox Initiative is crucial to ensure that the project stays on track and meets its objectives within the specified timeframe. The following steps outline how schedule control will be managed:

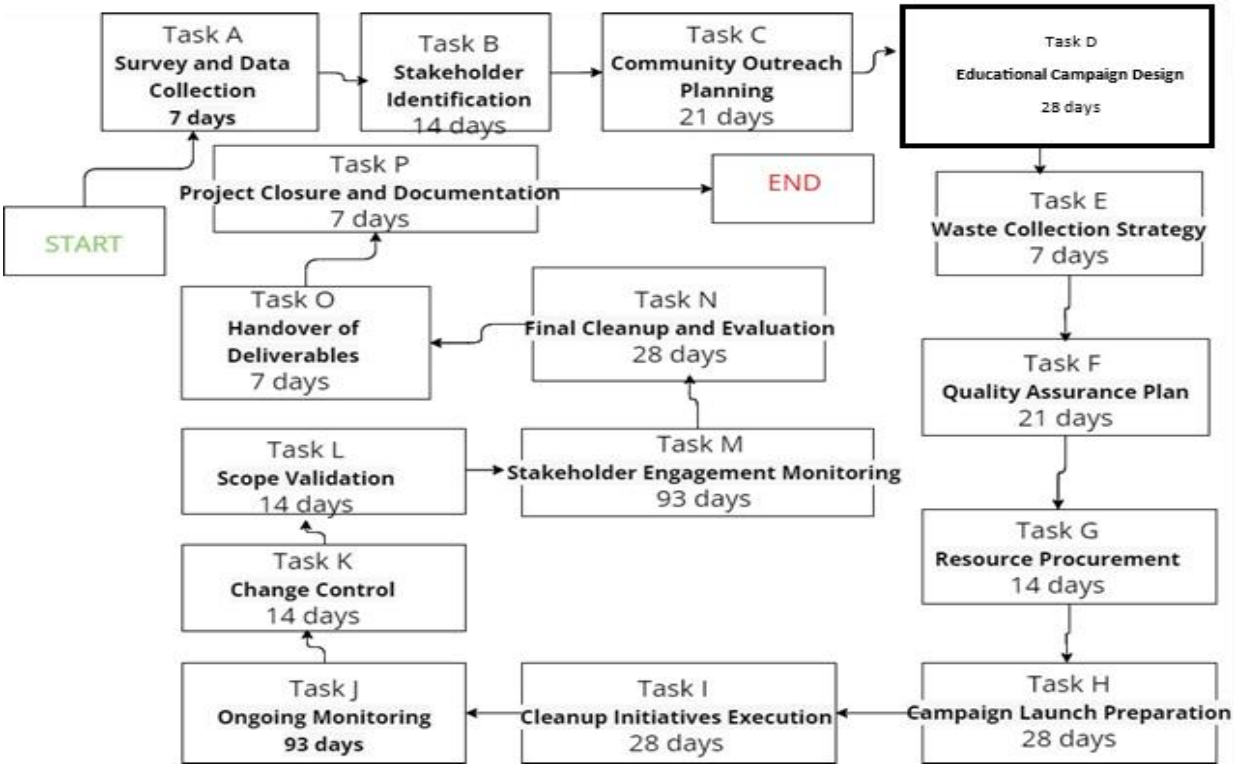
1. Performance Measurement
2. Variance Analysis
3. Change Control
4. Schedule Update
5. Communication

6. Risk Management
7. Stakeholder Engagement
8. Performance Indices
9. Documentation
10. Continuous Improvement:

By implementing these schedule control measures, the Dominica Plastic Detox Initiative aims to ensure that the project adheres to its timelines and successfully achieves its objectives. Regular monitoring, timely adjustments, and effective communication will be integral to the success of the project schedule.

Figure 15

Network Diagram



(Note: S. Oliver, 2023)

4.3.9 Reserve Analysis

Given that the Dominica Plastic Detox Initiative is expected to run for 3 months, reserve analysis is crucial to account for uncertainties and potential risks in the project schedule. Below is a breakdown of the types of reserves that can be considered:

Contingency Reserve:

Since this project involves various activities, such as surveys, community outreach, educational campaigns, and waste collection, each with its own inherent uncertainties, allocating 10% of the project duration as a contingency reserve is a reasonable approach. This reserve is specifically earmarked for anticipated risks identified during project planning.

Management Reserve:

In addition to the contingency reserve, allocating a management reserve of 5% provides a buffer for unexpected risks or changes that might arise during project execution. This reserve is under the control of the project manager and can be used as needed without formal change control.

Implementation:

The contingency reserve will be actively managed and monitored throughout the project. If risks are realized, the contingency reserve can be used to address specific issues without impacting the overall project schedule.

The management reserve will be held by the project manager and accessed in the event of unforeseen issues that are not covered by the contingency reserve. Its use will be subject to approval based on a change control process.

Benefits:

The reserves provide a safety net for identified and unidentified risks, ensuring that the project can navigate unforeseen challenges without significantly impacting the schedule.

Reserves provide the project manager with the flexibility to address issues promptly and maintain project momentum.

4.4 Cost Management Plan

4.4.1 Cost Management Introduction

The strategy, procedures, and tactics that will be used to efficiently manage and control project costs are described in the Cost Management Plan for the Dominica Plastic Detox Initiative. This plan, which guarantees that financial resources are allocated effectively, and the project stays within budget, is a crucial component of the overall project management framework. The project strives to maximize the effective use of available resources while achieving its goals through careful cost monitoring and management. This plan will include funding, budgeting, control, and cost estimation details, giving a thorough approach to financial management for the duration of the project. As cost management directly affects the initiative's overall environmental impact and economic viability, it is critical to the initiative's success and sustainability.

4.4.2 Estimate Costs

Expert judgment and bottom-up estimation were combined to estimate costs. This made it possible to calculate the project cost using data from previous projects and typical details for these kinds of project.

Chart 12

Cost Estimates

Activity ID	Activity Name	Description	Resources	USD $
1.1	Project Charter Development	None	Project Manager, Stakeholders	9,066
1.2	Stakeholder Identification and Analysis	1	Project Manager, Stakeholders	9,066
2.1	Scope Definition	2	Project Manager, Subject Matter Expert	9,066
2.2	Schedule Development	2.1	Project Scheduler, Project Manger	9,066
2.3	Cost Estimation	2.2	Cost Estimator, Project Manager	9,066
2.4	Quality Plan Formulation	2.3	Quality Assurance Team, Project Manager	9,066
2.5	Resource Management Strategy	2.4	Resource Manager, Project Manager	9,066
2.6	Communication Plan	2.5	Communication Specialist, Project Manager	9,066
2.7	Risk Identification	2.6	Risk Management Team, Project Manager	9,066
2.8	Procurement Plan	2.7	Procurement Team, Project Manager	9,066
2.9	Stakeholder Engagement Strategy	2.8	Stakeholder Engagement Team, Project Manager	9,066
2.10	Integration Management Plan	2.9	Integration Manager, Project Manager	9,066
3.1	Project Work Initiation	3	Project Team, Resource Manager	4,533.33
3.2	Quality Assurance	3.1	Quality Assurance Team, Project Manager	4,533.33
3.3	Resource Procurement	3.2	Procurement Team, Resource Manager	4,533.33
3.4	Community Engagement Activities	3.3	Community Engagement Team, Project Manager	4,533.33
3.5	Educational Campaign Launch	3.4	Education Campaign Team, Project Manager	4,533.33
3.6	Waste Collection and Cleanup Initiatives	3.5	Cleanup Team, Project Manager	4,533.33
4.1	Ongoing Project Work Monitoring	4	Monitoring Team, Project Manager	4,533.33
4.2	Change Control and Integrated Change Management	4.1	Change Control Team, Project Manager	4,533.33

Activity ID	Activity Name	Description	Resources	USD $
4.3	Scope Validation	4.2	Validation Team, Project Manager	4,533.33
4.4	Quality Control	4.3	Quality Control Team, Project Manager	4,533.33
4.5	Resource Management and Control	4.4	Resource Team, Project Manager	4,533.33
4.6	Communication Monitoring	4.5	Communication Team, Project Manager	4,533.33
4.7	Risk Monitoring and Response	4.6	Risk Team, Project Manager	4,533.33
4.8	Procurement Control	4.7	Procurement Team, Project Manager	4,533.33
4.9	Stakeholder Engagement Monitoring	4.8	Stakeholder Engagement Team, Project Manager	4,533.33
5.1	Final Project Cleanup and Evaluation	5		9,066
5.2	Handover of Deliverables	5.1	Project Manager	9,066
5.3	Project Closure and Documentation	5.2	Project Manager	9,066
		TOTAL		**272,000**

(Note: S. Oliver, 2023)

4.4.3 Control Cost

The integrated change control process is used to monitor and manage the project budget as part of project cost control. Every change request can be reviewed through this process. At this stage, the requests are examined to ascertain the project's goals, and a decision is made and recorded. In the absence of this procedure, money may be misused and handled improperly, which would be detrimental to the project.

Earned Value Management will be applied to this project to control project costs. This technique allows project performance and progress to be measured using indicators for scope, cost, and schedule. Cost variance (CV), schedule variance (SV), cost performance index (CPI), and schedule performance index (SPI) are examples of indicators. Throughout the project, these are continuously observed to ascertain whether the budget, scope, and

timeline are all as anticipated. If not, they can also be used to calculate the necessary adjustments to get things back on track.

4.4.4 Cost Variance Response

The project's control thresholds and the steps that will be taken if the project crosses a control threshold are specified in the cost variance response process. The project management team usually provides the project sponsor with options for corrective action as part of the response process.

Chart 13

Cost Variance Response Process

Performance Measures	Yellow Conditions	Red Conditions	Indicators	Response
Cost Performance Index (CPI)	CPI < 0.9	CPI < 0.8	CPI = EV / AC (Earned Value / Actual Cost)	If CPI < 0.9, assess the root causes of cost variance and develop corrective action. If CPI < 0.8, implement corrective action immediately.
Schedule Performance Index (SPI)	SPI < 0.9	SPI < 0.8	SPI = EV / PV (Earned Value / Planned Value)	If SPI < 0.9, assess the root causes of schedule variance and develop corrective action. If SPI < 0.8, implement corrective action immediately.
Cost Variance (CV)	CV < -$10,000	CV < -$20,000	CV = EV - AC (Earned Value - Actual Cost)	If CV < -$10,000, assess the root causes of cost variance and develop corrective action. If CV < -$20,000, implement corrective action immediately.
Schedule Variance (SV)	SV < -$10,000	SV < -$20,000	SV = EV - PV (Earned Value - Planned Value)	If SV < -$10,000, assess the root causes of schedule variance and develop corrective action. If SV < -$20,000, implement corrective action

Performance Measures	Yellow Conditions	Red Conditions	Indicators	Response
				immediately.

(Note: S. Oliver, 2023)

The performance measures' thresholds, shown by the yellow and red conditions, indicate when an evaluation and remedial action are required. Whenever one of these indicators enters the "Yellow" zone, it is time to investigate the reasons behind the variation and create a plan for fixing it. To get the project back on track, they must act right away if they enter the "Red" zone.

The project's cost-effectiveness is shown by the Cost Performance Index (CPI). A CPI below 0.9 indicates a possible problem with cost overruns, while a CPI below 0.8 indicates a more serious issue that needs to be addressed right away.

The project's efficiency in relation to the projected schedule is displayed by the Schedule Performance Index (SPI). A schedule delay problem is suggested by an SPI of less than 0.9, and urgent corrective action is necessary for a more critical condition with an SPI of less than 0.8.

The difference between the earned value and the actual cost is measured by cost variance, or CV. Cost overruns are indicated by a negative CV. A CV of less than -$10,000 points to a possible problem with cost variance, and a CV of less than -$20,000 indicates a more serious situation that must be addressed right away.

The difference between the earned value and the planned value is measured by schedule variance, or SV. Schedule delays are indicated by a negative SV. A schedule

variance problem is suggested by an SV of less than -$10,000, and a more serious condition necessitating prompt corrective action is indicated by an SV of less than -$20,000.

To address these circumstances and return the project's performance to acceptable levels, the project management team should carry out root cause analysis, create corrective action plans, and carry them out as needed. With this strategy, the project's budget, timeline, and overall performance are all guaranteed to remain on course.

4.4.5 Cost Change Control Processes

The Dominica Plastic Detox Initiative's change control procedure entails examining and evaluating change requests to make sure they complement the project's objectives. If authorized, modifications are documented, and Earned Value Management is used to track how they affect scope, cost, and schedule. To address schedule and cost variances, corrective action is implemented if any indicators drop below predetermined thresholds. The project is kept on schedule by establishing control thresholds and responses.

4.4.6 Determine Budget

Before determining the budget for the Dominica Plastic Detox Initiative, comprehensive cost estimation was conducted using historical data, expert judgment, and industry benchmarks. The project's work packages were analyzed, and cost estimates for resources, materials, equipment, and other relevant factors were derived.

Budget Determination:

Direct Costs:

1. Survey and Data Collection
2. Stakeholder Identification

3. Community Outreach Planning
4. Educational Campaign Design
5. Waste Collection Strategy
6. Quality Assurance Plan
7. Resource Procurement
8. Campaign Launch Preparation
9. Cleanup Initiatives Execution
10. Ongoing Monitoring

Indirect Costs:

1. Change Control
2. Scope Validation
3. Stakeholder Engagement Monitoring
4. Final Cleanup and Evaluation
5. Handover of Deliverables
6. Project Closure and Documentation

Budget Monitoring and Control:

The project's budget will be continuously monitored throughout the execution phase. Regular financial reports will be generated, and any significant deviations from the budget will trigger a review and corrective actions if necessary. The aim is to ensure that the project is delivered within the approved budget constraints.

Chart 14

Determine Budget

Activity ID	Activity	Cost (USD$)
1.1.1	Survey and Data Collection	5,000
1.1.2	Stakeholder Identification	6,000
1.2.1	Community Outreach Planning	3,000
1.2.2	Educational Campaign Design	6,000
1.3.1	Waste Collection Strategy	7,000
1.3.2	Quality Assurance Plan	9,000
1.3.3	Resource Procurement	12,000
1.4.1	Campaign Launch Preparation	7,000
1.4.2	Cleanup Initiatives Execution	5,000
1.5.1	Ongoing Monitoring	20,000
1.5.2	Change Control	20,000
1.6.1	Scope Validation	6,000
1.6.2	Stakeholder Engagement Monitoring	4,000
1.7.1	Final Cleanup and Evaluation	6,000
1.7.2	Handover of Deliverables	2,000
1.7.3	Project Closure and Documentation	1,000
	Total	**123,000**
	Contingency Reserve (10%)	**12,300**
	Management Reserve (5%)	**6,150**
	Grand Total	**141,450**

(Note: S. Oliver, 2023)

4.4.7 Reserve Analysis

The total budget, USD$141,450, inclusive of reserves, provides a financial cushion to address unforeseen circumstances and risks that may impact the project's cost. It ensures that the project remains financially viable and can absorb changes without compromising its successful completion. The reserves will be managed and utilized judiciously throughout the project life cycle, with any changes to the budget subject to the change control process.

4.4.8 Cash Flow

Chart 15

Cash Flow

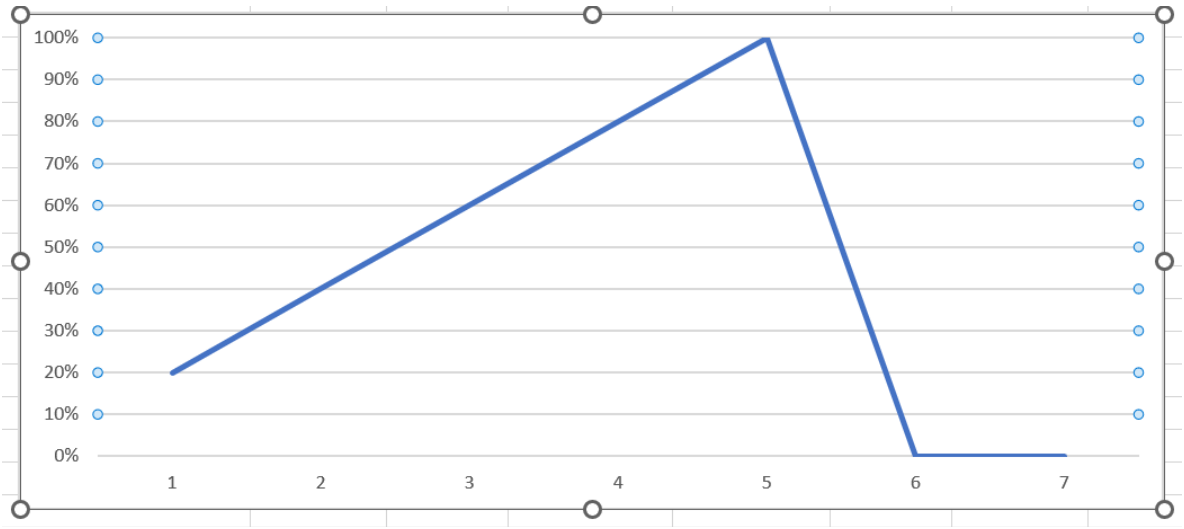
Months	Budget Allocation USD
November 2023	$28,290.00
December 2023	$28,290.00
January 2024	$28,290.00
February 2024	$28,290.00
March 2924	$28,290.00

(Note: S. Oliver, 2023)

4.4.9 S-Curve

Figure 16

S-Curve



(Note: S. Oliver, 2023)

4.5 Quality Management Plan

4.5.1 Quality Management Introduction

The Dominica Plastic Detox Initiative's Quality Management Plan describes how the project will guarantee and uphold high standards of quality throughout its

implementation. A variety of procedures, instruments, and approaches will be used in quality management to accomplish project goals while upholding strict quality standards. This plan lays out the parameters for quality assurance and control, assigns roles, and offers directives to ensure that the project stays true to its goal of providing Dominica with a top-notch plastic detox program. To guarantee project success and alignment with stakeholders' expectations, it includes both product and process quality.

4.5.2 Quality Management Approach

The Quality Management Plan for the Dominica Plastic Detox Initiative follows a comprehensive approach to ensure high-quality project deliverables and processes. Overall, the Quality Management Plan serves as a roadmap to maintain high standards of quality throughout the project, fostering a culture of quality and ensuring that the Dominica Plastic Detox Initiative meets its objectives and stakeholder expectations. It encompasses the following key components:

1. Quality Objectives
2. Quality Assurance
3. Quality Control
4. Roles and Responsibilities
5. Continuous Improvement
6. Documentation
7. Communication
8. Compliance

4.5.3 Customer Prioritization

Chart 16

Customer Prioritization

Customer Prioritization	Government of Dominica	External Funding	Tourism Industry Stakeholders	Citizens of Dominica	Environmental Conservation Organizations	Row Total	Relative Decimal Value
Government of Dominica		1/10	1/10	1/10	10	**10.30**	**0.11**
External Funding	1/10		1/10	1/10	1/10	**.40**	**0.01**
Tourism Industry Stakeholders	1/5	10		1/10	1/5	**11.10**	**0.13**
Citizens of Dominica	10	10	10		10	**40**	**0.46**
Environmental Conservation Organizations	5	10	1/5	10		**25.50**	**0.29**
					Grand Total	**87.3**	

(Note: S. Oliver, 2023)

The level of importance is as follows according to the matrix:

1. Citizens of Dominica: The citizens of Dominica should have the highest priority as they are directly impacted by the plastic pollution problem and will benefit the most from the initiative's success. Their well-being, health, and the preservation of their natural environment are crucial.
2. Environmental Conservation Organizations: Environmental conservation organizations are highly concerned about the state of the environment and are often advocates for sustainable and regenerative development. Their support and involvement are significant in achieving the project's goals.
3. Tourism Industry Stakeholders: The tourism industry is a vital part of Dominica's economy. Tourism industry stakeholders should be a priority,

as the initiative's success can contribute to preserving the natural beauty that attracts tourists to the island.

4. Government of Dominica: The government plays a key role in providing support, policies, and resources for the project. Their priority is essential for effective project execution.
5. External Funding: While external funding sources are crucial to support the initiative, they have a somewhat lower priority than the stakeholders mentioned above. However, their contributions and commitments should be highly valued.

4.5.4 Quality Requirements

The quality requirements for the Dominica Plastic Detox Initiative should encompass various aspects to ensure the project's success and adherence to sustainable and regenerative development goals. Here are some key quality requirements for the project:

1. Plastic Waste Reduction
2. Community Engagement
3. Recycling Rates
4. Cost Reduction
5. Adherence to international sustainability pledges and goals.
6. Enhanced International Reputation
7. Long-term Sustainability

4.5.5 Requirements Prioritization

Chart 17

Requirements Prioritization (Government of Dominica)

Requirements Prioritization (Government of Dominica)	Plastic Waste Reduction	Community Engagement	Recycling Rates	Cost Reduction	Adherence to international sustainability pledges and goals	Enhanced International Reputation	Long-term Sustainability	Row Total	Relative Decimal Value
Plastic Waste Reduction		5	1/5	1/5	1/10	1/5	1/10	**6.7**	**0.04**
Community Engagement	1/5		1	1/5	1/10	1/5	1/10	**1.80**	**0.01**
Recycling Rates	5	1		1/10	1/10	1/5	1/10	**6.50**	**0.04**
Cost Reduction	10	5	10		5	5	10	**45.00**	**0.27**
Adherence to international sustainability pledges and goals.	10	10	10	1/5		5	1/10	**35.30**	**0.21**
Enhanced International Reputation	5	5	5	1/5	1/5		1/5	**15.60**	**0.09**
Long-term Sustainability	10	10	10	10	10	5		**55.00**	**0.33**
						Grand Total		**165.9**	

(Note: S. Oliver, 2023)

Chart 18

Requirements Prioritization (External Funding)

Requirements Prioritization (External Funding)	Plastic Waste Reduction	Community Engagement	Recycling Rates	Cost Reduction	Adherence to international sustainability pledges and goals	Enhanced International Reputation	Long-term Sustainability	Row Total	Relative Decimal Value
Plastic Waste Reduction		1/5	1/5	1/10	1/10	1/10	1/10	**0.80**	**0.01**
Community Engagement	5		1	1/5	5	5	1/10	**16.30**	**0.12**
Recycling Rates	5	1		1/10	1/5	5	1/10	**11.40**	**0.08**
Cost Reduction	10	5	10		1/5	5	1	**31.20**	**0.22**
Adherence to international	10	5	5	5		5	1/10	**30.1**	**0.18**

sustainability pledges and goals.									
Enhanced International Reputation	10	1/5	1/5	1/5	10		1/10	**21.6**	**0.08**
Long-term Sustainability	10	10	10	1	10	10		**51.00**	**0.35**
						Grand Total		**162.4**	

(Note: S. Oliver, 2023)

Chart 19

Requirements Prioritization (Tourism Industry Stakeholders)

Requirements Prioritization (Tourism Industry Stakeholders)	Plastic Waste Reduction	Community Engagement	Recycling Rates	Cost Reduction	Adherence to international sustainability pledges and goals	Enhanced International Reputation	Long-term Sustainability	Row Total	Relative Decimal Value
Plastic Waste Reduction		1/5	1/5	1/5	1/10	1/10	1/10	**1.8**	**0.010**
Community Engagement	5		1	1/10	1/10	1/10	1/10	**6.40**	**0.04**
Recycling Rates	5	1/10		1/10	1/10	1/10	1/10	**5.5**	**0.03**
Cost Reduction	10	10	10		5	5	1/5	**40.20**	**0.23**
Adherence to international sustainability pledges and goals.	10	10	10	1/5		1/5	1/10	**31.1**	**0.17**
Enhanced International Reputation	10	10	10	1/5	5		1/5	**35.30**	**0.20**
Long-term Sustainability	10	10	10	5	10	10		**55.00**	**0.31**
						Grand Total		**175.30**	

(Note: S. Oliver, 2023)

Chart 20

Requirements Prioritization (Citizens of Dominica)

Requirements Prioritization (Citizens of Dominica)	Plastic Waste Reduction	Community Engagement	Recycling Rates	Cost Reduction	Adherence to international sustainability pledges and goals	Enhanced International Reputation	Long-term Sustainability	Row Total	Relative Decimal Value
Plastic Waste		1	5	5	5	5	10	**31.00**	**0.21**

Reduction									
Community Engagement	1		1	5	5	5	5	**21.00**	**0.15**
Recycling Rates	1/5	1		5	5	5	1/10	**16.30**	**0.11**
Cost Reduction	1/5	1/5	1/5		5	5	1/10	**10.70**	**0.07**
Adherence to international sustainability pledges and goals.	1/5	1/10	1/5	1/5		1	1/10	**1.80**	**0.01**
Enhanced International Reputation	1/5	1/5	1/5	1/5	1/5		1/10	**2.6**	**0.02**
Long-term Sustainability	10	10	10	10	10	10		**60.00**	**0.42**
						Grand Total		**143.40**	

(Note: S. Oliver, 2023)

Chart 21

Requirements Prioritization (Environmental Conservation Organizations)

Requirements Prioritization (Environmental Conservation Organizations)	Plastic Waste Reduction	Community Engagement	Recycling Rates	Cost Reduction	international sustainability pledges and goals	Enhanced International Reputation	Long-term Sustainability	Row Total	Relative Decimal Value
Plastic Waste Reduction		1	5	5	5	5	5	**26.00**	**0.19**
Community Engagement	1		1	5	5	5	5	**22.00**	**0.16**
Recycling Rates	1/5	1		5	5	5	1/10	**16.30**	**0.12**
Cost Reduction	1/5	1/5	1/5		5	5	1/10	**10.70**	**0.08**
Adherence to international sustainability pledges and goals.	1/5	1/10	1/5	1/5		1	1/10	**2.70**	**0.02**
Enhanced International Reputation	1/5	1/5	1/5	1/5	1/5		1/10	**2.6**	**0.01**
Long-term Sustainability	10	10	10	10	10	10		**60.00**	**0.42**
						Grand Total		**140.3**	

(Note: S. Oliver, 2023)

Chart 22

Customer Weighted Requirements Prioritization

Customer-Weighted Requirements Prioritization (Environmental Conservation Organizations)	Government of Dominica	External Funding	Citizens of Dominica	Tourism Industry Stakeholders	Environmental Conservation Organizations	Row Total	Relative Decimal Value
Plastic Waste Reduction		1/30	10	1/40	5	**10.75**	**0.08**
Community Engagement	1/30		1/30	1/30	1/30	**1.2**	**0.01**
Recycling Rates	10	10		10	5	**35.00**	**0.25**
Cost Reduction	1/40	1/40	1/30		1/40	**1.5**	**0.10**
Adherence to international sustainability pledges and goals.	10	10	10	10		**40.00**	**0.28**
Enhanced International Reputation	5	10	5	10		**30.00**	**0.21**
Long-term Sustainability	10	10	1/30	1/30		**23.3**	**0.16**
					Grand Total	**141.75**	

(Note: S. Oliver, 2023)

Based on the requirements, the prioritization is as follows:

1. Tourism Industry Stakeholders
2. Government of Dominica
3. External Funding
4. Citizens of Dominica
5. Environmental Conservation Organization

4.5.6 Roles and Responsibilities

Chart 23

Project Quality Roles and Responsibilities

Customer	Role	Responsibility
Government of Dominica	The government plays a central role in policy development, regulation, and oversight of the initiative. They are responsible for formulating and enforcing environmental policies and standards related to plastic waste management.	Develop and implement legislation and regulations related to plastic waste management. Allocate and manage financial resources for the initiative. Collaborate with external funding sources to secure necessary funds. Monitor and report on the progress of the initiative to the public.
External Funding	External funding sources, such as international organizations and donor agencies, provide financial support to facilitate the successful execution of the project.	Provide the necessary funding to implement the initiative's activities. Ensure that funds are allocated according to the project's financial plan. Collaborate with the government to ensure transparent and efficient fund utilization. Participate in project progress reviews and evaluations to ensure compliance with funding requirements.
Tourism Industry Stakeholder	The tourism industry stakeholders, including businesses, associations, and organizations, are essential partners in promoting sustainable tourism practices.	Support awareness campaigns and initiatives to reduce plastic waste in tourist areas. Adopt eco-friendly practices and promote responsible tourism. Collaborate with the project to explore opportunities for sustainable tourism development. Encourage tourists to participate in and support plastic detox activities.
Citizens of Dominica	Citizens of Dominica are active participants in the initiative, supporting and engaging in efforts to reduce plastic waste.	Reduce the use of single-use plastics and practice responsible waste disposal. Engage in community cleanup activities and waste reduction initiatives. Participate in educational campaigns and encourage others to do the same. Report instances of plastic pollution and support local enforcement efforts.
Environmental Conservation Organizations	Environmental conservation organizations provide expertise and advocacy to ensure that the	Offer expertise in environmental impact assessments and plastic pollution mitigation. Advocate for strong environmental regulations

Customer	Role	Responsibility
	project aligns with environmental and sustainability goals.	and policies. Collaborate with the government and stakeholders to promote sustainable practices. Monitor the project's environmental impact and provide recommendations for improvement.

(Note: S. Oliver, 2023)

4.5.7 Factors Relates to Quality

Chart 24

Quality Key Factors

ID	Quality	Quality Definition
1	Plastic Waste Reduction	This characteristic represents the initiative's main goal, which is to lessen the negative effects of plastic waste on the environment and health hazards by encouraging responsible disposal and reducing its generation.
2	Community Engagement	Community involvement is essential to the project because it gives Dominican residents a sense of pride and motivates them to actively participate in cutting down on plastic waste and protecting their natural environment.
3	Recycling Rates	The project strives to enhance recycling rates through the implementation of effective recycling programs and public education on its benefits. This, in turn, facilitates the reduction of plastic waste in landfills and ecosystems.
4	Cost Reduction	To make the most of the financial resources available for plastic detox activities and guarantee that the project's goals are met without going over budget, cost reduction is crucial.
5	Adherence to international sustainability pledges and goals.	The project's dedication to addressing global efforts to combat plastic pollution is reflected in its commitment to international sustainability goals, which may garner support and recognition on a global scale.
6	Enhanced International Reputation	The initiative's effective implementation and alignment with sustainability objectives have the potential to improve Dominica's standing and draw foreign partnerships and investments.
7	Long-term Sustainability	For the advantages of reducing plastic waste to endure and keep improving Dominica's environment and quality of life for its citizens, long-term sustainability is an essential component.

(Note: S. Oliver, 2023)

4.5.8 Quality Metrics

The purpose of the quality metrics is to quantify the qualities that have been established for the project. This makes it possible for a fair and impartial review. Project stakeholders may disagree on what constitutes acceptable, leading to several conflicts if quality is not made to be measurable.

Chart 25

Metrics and Quality Baseline

ID	Quality Objectives	Metric	Metric Definition	Expected Outcome	Outcome Justification and Goal	Sustainment Method	Measurement Frequency	Measurement of Improvement	Responsible
1	Plastic Waste Reduction	Percentage of Waste Reduced	The proportion of plastic waste reduced compared to the baseline.	Achieve a minimum of 30% reduction in plastic waste.	To significantly mitigate the environmental impact of plastic pollution, setting a goal of 30% reduction ensures a substantial improvement in waste management practices.	Implementing ISO Certifications for sustainable waste management practices to ensure continuous adherence to standards.	Monthly	Calculate the percentage reduction monthly and compare against the baseline.	Project Team
2	Community Engagement	Number of Engaged Community Members	The count of community members actively participating in project-related activities.	Engage at least 500 community members.	Actively involving 500 community members ensures broad participation, fostering a sense of shared responsibility and	Regular community events, awareness campaigns, and feedback sessions to	Quarterly	Regular community events, awareness campaigns, and feedback sessions to	Community Liaison Officer, Project Team

ID	Quality Objectives	Metric	Metric Definition	Expected Outcome	Outcome Justification and Goal	Sustainment Method	Measurement Frequency	Measurement of Improvement	Responsible
					community ownership in the project.	maintain ongoing engagement.		maintain ongoing engagement.	
3	Recycling Rates	Recycling rate	The percentage of plastic materials recycled compared to total waste generated.	Achieve a recycling rate of 25% or higher.	Enhancing recycling rates reduces the overall environmental impact and supports the project's sustainability goals.	Implementing advanced recycling technologies and continuous education on proper waste disposal.	Monthly	Regularly assess recycling rates against the baseline and adjust achieve or exceed the set goal.	Recycling Management Team
4	Cost Reduction	Cost Variance	The variation in project costs compared to the budget.	Maintain a positive cost variance (CV) to ensure cost savings.	Positive cost variance indicates efficient resource utilization, contributing to the project's economic sustainability.	Regular budget reviews, cost control measures, and ongoing financial training for project teams.	Quarterly	Track cost variance quarterly, aiming to sustain a positive trend.	Project Financial Team
5	Adherence to international sustainability pledges and goals.	Compliance Score	A qualitative assessment of how well the project aligns with international sustainability	Achieve a compliance score of 90% or higher.	High compliance scores demonstrate commitment to global sustainability standards, enhancing the	Continuous monitoring, periodic sustainability audits, and integration of international	Semi-Annually	Regularly assess compliance scores and implement corrective actions as	Sustainability Compliance Team

ID	Quality Objectives	Metric	Metric Definition	Expected Outcome	Outcome Justification and Goal	Sustainment Method	Measurement Frequency	Measurement of Improvement	Responsible
			objectives.		project's credibility.	best practices.		needed.	
6	Enhanced International Reputation	Reputation Score	A qualitative assessment of Dominica's international reputation.	Increase the reputation score by 10% from baseline	Improving the international reputation reflects positively on Dominica, attracting support and collaboration from global partn	Strategic communication, positive media coverage, and engagement in international forums.	Annually	Assess the reputation score annually and implement strategies for improvement.	Reputation Management Team
7	Long-term Sustainability	Sustainability Index	A composite index measuring the project's long-7term sustainability.	Maintain a sustainability index above 80.	A sustainability index above 80 signifies enduring positive impacts, ensuring the project's long-term effectiveness.	Regular assessments, adaptive management strategies, and continuous improvement initiatives.	Annually	Annual assessments to ensure the sustainability index remains above the established threshold.	Sustainability Monitoring Team

(Note: S. Oliver, 2023)

4.5.9 Quality Activities

To guarantee quality throughout the project, quality activities are simply those that will be carried out from the beginning to the end. That appropriate checks and balances are in place is ensured by this.

Chart 26

Quality Activities Matrix

ID	Quality	Requirement	Manage and Control Activities	Frequency	Responsible
1	Plastic Waste Reduction	Monthly waste reduction reports	Monitor waste reduction progress.	Monthly	Project Team
2	Community Engagement	Participation records	Track and document community participation.	Weekly	Community Engagement Team
3	Recycling Rates	Recycling education materials	Develop and distribute educational materials to increase recycling rates.	Quarterly	Recycling Management Team
4	Cost Reduction	Project financial reports	Monitor project finances and identify cost-saving opportunities.	Monthly	Project Financial Team
5	Adherence to international sustainability pledges and goals.	Compliance reports	Evaluate project activities against international sustainability goals.	Semi-Annually	Sustainability Compliance Team
6	Enhanced International Reputation	Reputation assessment reports	Assess Dominica's international	Annually	Reputation Management Team

ID	Quality	Requirement	Manage and Control Activities	Frequency	Responsible
			reputation.		
7	Long-term Sustainability	Sustainability improvement plans	Develop plans to maintain or enhance the project's long-term sustainability.	Quarterly	Sustainability Monitoring Team

(Note: S. Oliver, 2023)

4.5.10 Quality Documents

Throughout the project, the Quality Inspection Request Form will be used to record and monitor the inspection of different quality objectives and criteria. To meet project goals and standards, it guarantees that quality is maintained, deviations are addressed, and corrective actions are taken when needed.

Quality Inspection Request Form

Project Name: Dominica Plastic Detox Initiative

Inspection Date: [Insert Date]

Requested by: [Name of Requester]

Inspection Requested for: [Specify Deliverable or Activity]

Quality Criteria:

Quality Objective: [Specify the quality objective, e.g., "Plastic Waste Reduction"]

Quality Metric: [e.g., "Monthly waste reduction rates"]

Acceptance Criteria: [Define the acceptable quality criteria, e.g., "Achieve a 10% reduction in plastic waste monthly."]

Inspection Details:

Inspection Method: [e.g., "Data analysis"]

Inspection Frequency: [e.g., "Monthly"]

Inspection Responsible: [Specify the team or individual responsible for the inspection]

Purpose:

This inspection request is made to ensure that the quality objective for [Quality Objective] is met according to the defined quality metrics and acceptance criteria. The inspection aims to verify that the project is on track and that any corrective actions needed to maintain quality are taken.

Scope:

This inspection covers [Specify the scope, e.g., "Monthly waste reduction rates"] for the [Deliverable/Activity Name].

Description:

[Provide a brief description of what will be inspected and the purpose of the inspection]

Previous Inspection Results:

[If applicable, include the results of previous inspections related to this quality objective or criteria.]

Attachments:

[Include any supporting documents or data that are relevant to this inspection.]

4.5.11 Continuous Improvement Plan

The Dominica Plastic Detox Initiative's continuous improvement plan is necessary to make sure that the project continuously improves its procedures, goods, and results. The plan's outline is shown below:

Plan for Constant Improvement objective:

The aim of this project is to systematically identify, evaluate, and implement improvements that will improve quality, efficiency, and outcomes.

Chart 27

Continuous Improvement Chart

1.	Identify Improvement Opportunities: Create a culture of ongoing development among the project team members.
2.	Prioritize Improvements: Consider the potential impact and viability of the opportunities that have been identified.
3.	Develop Improvement Plans: Define key performance indicators (KPIs) to measure the success of each improvement.
4.	Implement Improvements: Execute improvement plans according to the defined schedule and budget.
5.	Measure and Evaluate: Gather feedback from stakeholders, team members, and project sponsors regarding the improvements.
6.	Adjust and Adapt: Based on the evaluation results, make necessary adjustments to further enhance the improvements.
7.	Recognize and Reward: Acknowledge and reward team members who actively contribute to successful improvement initiatives.
8.	Report Progress: Regularly report the progress of the Continuous Improvement Plan to project sponsors and stakeholders.

(Note: S. Oliver, 2023)

4.6 Resource management plan

4.6.1 Resource Management Introduction

A crucial component of the project management strategy for the Dominica Plastic Detox Initiative's execution is resource management. A project's successful completion depends on having the right people, tools, supplies, and other resources available when and

in the right amounts, which is ensured by effective resource management. Optimizing resource utilization, cutting waste, and raising overall project efficiency are all made possible by effective resource management. The strategies, procedures, and roles for managing project resources will be described in this plan to guarantee the timely and economical completion of project objectives.

4.6.2 Resource Management Approach

The Dominica Plastic Detox Initiative's resource management strategy is focused on effectively allocating and managing the diverse resources needed to achieve the project's goals. Its main objective is to maximize the use of physical resources, human resources, and other necessary materials while reducing waste and guaranteeing cost-effectiveness. The following are the main components of the approach:

1. Resource Identification
2. Resource Allocation
3. Resource Tracking
4. Resource Optimization
5. Resource Reporting
6. Resource Management Responsibility
7. Resource Contingency Planning
8. Communication and Collaboration
9. Performance Metrics
10. Resource Constraints

4.6.3 Control Resources

The control resources process involves ensuring that the project's physical and human resources are effectively and efficiently utilized throughout the project life cycle. This includes monitoring resource performance, addressing issues, and optimizing resource allocation. Key steps in controlling resources:

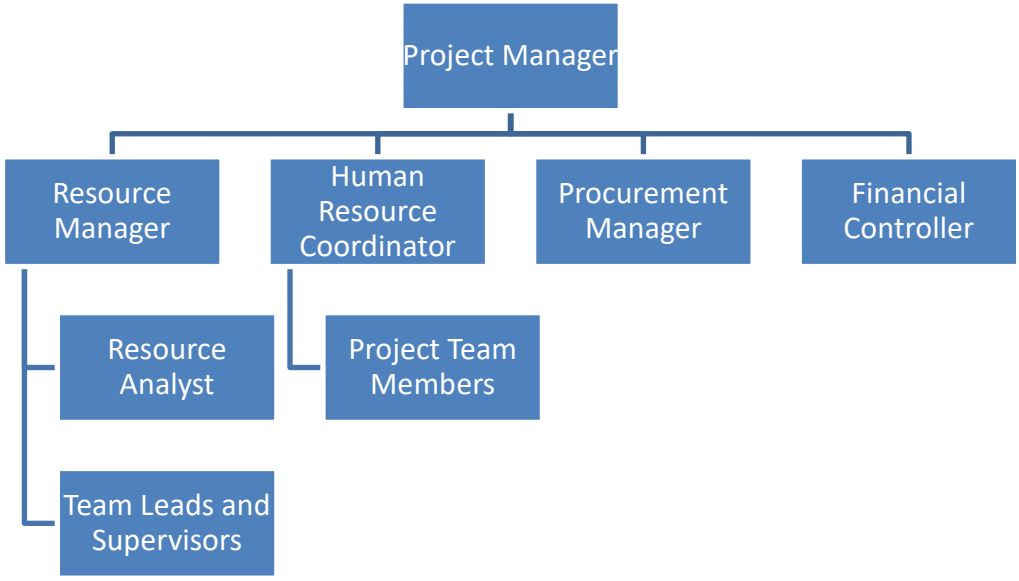
1. Performance Monitoring
2. Issue Identification and Resolution
3. Optimizing Resource Allocation
4. Communication and Collaboration

Resource Performance Report Form					
Resource ID	**Resource Name**	**Role**	**Allocation (%)**	**Actual Utilization (%)**	**Comments**

4.6.4 Roles and Responsibilities

Figure 17

Project Team Organizational Structure



(Note: S. Oliver, 2023)

Chart 28

Project Resource Management Roles and Responsibilities

Role	Responsibility	Authority	Competence
Project Manager	All resource management tasks must be supervised by the project manager. This covers the identification, distribution, monitoring, and optimization of resources. They guarantee that the project's goals are supported by the appropriate resources and that resource limitations are successfully handled.	To manage the project team, assign resources, and make project-related decisions.	Demands excellent organizational, communication, and leadership abilities. Understanding of project management techniques and the capacity to strike a balance between budget, schedule, and scope restrictions.
Resource Manager	Resource managers oversee locating and acquiring the resources required for the project and answers the project manager. They collaborate closely with project managers to assign resources to jobs and endeavors.	In charge of managing resources across projects and assigning them appropriately, making sure that resources are used effectively.	Calls for a thorough grasp of the project's requirements, superior resource planning abilities, and the capacity to allocate resources optimally.
Human Resource Coordinator	They oversee determining the skill sets that project team members must possess, making sure the team has received the appropriate training, and controlling the team's availability and	Assists in HR-related tasks, coordinates hiring processes, and supports employee relations.	Strong interpersonal skills, knowledge of HR policies and procedures, and the ability to manage administrative tasks related to human resources.

Role	Responsibility	Authority	Competence
	workload.		
Procurement Manager	Purchasing the supplies, machinery, and other tangible resources required for the project falls under the purview of the procurement manager. They work with vendors and suppliers to ensure timely acquisition.	In charge of contract negotiations, supplier relationships, and the procurement process.	Needs the capacity to find and manage suppliers efficiently, to comprehend procurement laws, and to have strong negotiating skills.
Financial Controller	The project's budget and financial resources are overseen by the financial controller. To make sure that cost controls are in place and the project stays within budget, they collaborate with the project manager.	Oversees the organization's budget, financial reporting, and other financial matters.	Strong accounting background, familiarity with accounting principles, and aptitude for accurately analyzing and reporting financial data.
Resource Analyst	Resource managers receive assistance from resource analysts in locating and monitoring resources. They support the management of resource-related documentation and resource allocation.	Analyzes resource usage and provides insights for resource planning.	Needs to be proficient with data analysis tools, have analytical skills, and be able to produce reports on resource usage.
Team Leads and Supervisors	Within the project, supervisors and team leads oversee workgroups or teams. They collaborate with resource and project managers to make sure team members have access to the tools they need to do their jobs well.	Oversees and directs a team directly, taking accountability for daily operations and team output.	Exemplary communication abilities, strong leadership qualities, and the capacity to inspire and mentor team members.
Project Team Members	Team members are responsible for executing project tasks using allocated resources. They may provide input on resource requirements and report any resource-related issues to their team leads or supervisor	Accountable for duties within the project's parameters.	Demands proficiency in their field, teamwork abilities, and the capacity to fulfill deadlines for projects.

(Note: S. Oliver, 2023)

RACI Matrix

The Dominica Plastic Detox Initiative's Responsibility Assignment Matrix (RACI) defines resource management roles as responsible (R), accountable (A), consultant (C), and informed (I). These roles are responsible for executing tasks, making final decisions,

providing input, and keeping informed about progress and decisions. They may not be directly involved in the activities.

Chart 29

Responsibility Assignment Matrix

Project Team Members								
Task Name	**Project Manager**	**Resource Manager**	**Human Resource Coordinator**	**Procurement Manager**	**Financial Controller**	**Resource Analyst**	**Team Leads and Supervisors**	**Project Team Members**
Identify resource requirements	A	R	C	C	I	C	C	I
Allocate and assign resources	R	A	C	C	I	C	C	I
Procure necessary materials/equipment	C	R	C	A	I	I	C	I
Manage HR Resources	C	C	A	C	I	C	C	I
Monitor resource utilization	R	A	C	C	C	I	C	I
Manage Financial Resources	R	A	C	C	A	C	C	I
R = Responsible A = Accountable C = Consult I = Inform								

(Note: S. Oliver, 2023)

4.6.5 Acquisition of Team Members

As per the Resource management plan designed for the Dominica Plastic Detox Initiative, the process of hiring project team members entails a methodical approach to locating, selecting, and orienting the most suitable individuals possessing the requisite abilities and knowledge. In this process, the project manager and the human resource

coordinator are crucial. They work together to specify the roles and requirements, write job descriptions, and develop a hiring plan. Among the strategies employed to draw in new team members are external job advertisements, collaborations with academic institutions, and outreach to nearby environmental organizations.

Following the identification of candidates, a comprehensive selection procedure is carried out, which might involve reference checks, interviews, and skill evaluations. Following selection, the newly appointed team members participate in an orientation program designed to acquaint them with the aims, objectives, and organizational culture of the project.

The Dominica Plastic Detox Initiative offers opportunities for training, development, and ongoing communication to guarantee that the members of the project team are prepared and driven to make valuable contributions to the initiative's success.

4.6.6 Team Development

A key component of the Dominica Plastic Detox Initiative's Resource Management Plan is team development, which is essential to the project's success. The project manager works to create a cohesive and extremely effective project team in conjunction with the team leads and the human resource coordinator. This involves promoting open communication, cultivating a positive and welcoming team environment, and encouraging teamwork.

To improve the skills and abilities of team members, regular training sessions and team-building exercises are arranged. The project manager makes sure that everyone on the team has access to the tools and assistance they need. The project management team can

assign roles and responsibilities that complement each member's skills and interests by determining each person's strengths and weaknesses.

Team building involves constant coaching, feedback, and appreciation of each team member's contributions. This strategy not only raises spirits but also solidifies the group's dedication to accomplishing the project's goals. By doing this, the Dominica Plastic Detox Initiative makes sure that everyone on the project team is driven, well-prepared, and working together to effectively combat plastic pollution.

4.6.7 Team Safety and Welfare

The Dominica Plastic Detox Initiative's Resource Management Plan places a high priority on ensuring team safety and welfare. The goal of the project management team is to give each project participant a safe and encouraging work environment. This entails following health and safety laws, providing frequent safety instruction, and keeping up with the necessary safety gear and protocols.

The project manager and the human resource coordinator also promptly handle any issues pertaining to the welfare of the team members. This includes making the required accommodations, guaranteeing equitable working conditions, and aiding for any difficulties that team members may face on the personal or professional fronts while working on the project.

The project management team not only creates a positive work environment but also boosts team morale and productivity by putting team safety and welfare first. Consequently, this helps ensure the welfare of all project participants and facilitates the effective execution of the Dominica Plastic Detox Initiative.

4.6.8 Recognition and Awards

The Dominica Plastic Detox Initiative's Resource Management Plan includes a mechanism for appreciating and rewarding team members' contributions. Throughout the project, this is crucial to sustaining motivation and morale. There are many ways to show appreciation and give incentives, like praising exceptional work in team meetings, awarding achievement certificates, or providing cash for hard work.

The project management team feels that rewarding and acknowledging team members for their efforts and commitment encourages a culture of excellence and increases their enthusiasm. By recognizing the project team's hard work, we hope to foster a constructive and effective work atmosphere that promotes creative problem-solving and guarantees the initiative's overall success.

4.6.9 Physical Resources

The Dominica Plastic Detox Initiative's Resource Management Plan deals with the distribution and administration of material resources that are essential to the project's success. These physical resources include a variety of goods, such as transportation vehicles, waste collection equipment, recycling infrastructure, and educational materials. It is imperative to guarantee that these resources are utilized effectively, kept in good condition, and accessible when required.

Physical resource management is effective in reducing waste, boosts productivity, and minimizes downtime all of which are in line with the project's objectives of reducing plastic waste and protecting the environment. To ensure that these assets function as intended and fulfill their intended purpose throughout the project lifecycle, regular maintenance schedules, resource tracking systems, and contingency plans are in place.

4.7 Communication Plan

4.7.1 Communication Introduction

All project stakeholders will be able to communicate effectively and efficiently thanks to the Dominica Plastic Detox Initiative's Communication Management Plan. This plan acts as a vital framework to guarantee that information is appropriately shared, received, and distributed to support the project's successful completion. To engage stakeholders, accomplish project goals and objectives, and resolve problems as they emerge, clear and consistent communication is crucial.

4.7.2 Audiences

6. Government of Dominica
7. External Funding
8. Tourism Industry Stakeholders
9. Citizens of Dominica
10. Environmental Conservation Organizations

4.7.3 Communication Delivery Methods and Technologies

The Communication Management Plan for the Dominica Plastic Detox Initiative utilizes various delivery methods and technologies to ensure effective and timely communication among stakeholders. These methods and technologies are chosen based on their appropriateness for different types of messages, target audiences, and the project's needs. Some of the key delivery methods and technologies include:

1. Meetings
2. Email
3. Project Management Software

4. Video Conferencing
5. Phone and Mobile Communication
6. Project Dashboard
7. Social Media and Website
8. Document Sharing Platforms
9. Newsletters
10. Bulletin Boards and Notice Boards

4.7.4 Communication Escalation Process

To effectively resolve problems, this escalation process will be used to identify bottlenecks that might be impeding project progress.

Chart 30

Escalation Chart

Role	Triggers when
Government of Dominica	1. Significant project delays or budget overruns. 2. Critical issues affecting public health and safety. 3. Major deviations from project objectives. 4. Urgent legislative or regulatory actions required.
External Funding	1. Disbursement issues or delays in funding allocation. 2. Significant changes in project scope or objectives. 3. Major concerns about project financials. 4. Request additional funding or budget adjustments.
Tourism Industry Stakeholders	1. Impacts on tourism industry due to project activities. 2. Delays affecting tourism-related events or activities. 3. Major concerns regarding project's public perception.
Citizens of Dominica	1. Environmental or health concerns from project effects. 2. Public unrest or protests related to project issues. 3. High-profile media coverage of project-related matters.
Environmental Conservation Organizations	1. Significant adverse environmental impacts identified.

	2. Violation of environmental laws or regulations. 3. Breach of agreed-upon sustainability commitments. 4. Large-scale ecosystem damage or habitat destruction.

(Note: S. Oliver, 2023)

4.7.5 Monitors Communication

Ongoing meetings, observations, and open communication with the stakeholders will guarantee effective communication throughout the project. This will guarantee that no one is dissatisfied and will provide a chance for complaints to be raised.

Chart 31

Communication Matrix

ID	Communication	Purpose	Medium	Frequency	Audience
1	Project Updates	Share project progress and status updates	Email, Project Meetings	Weekly (during project)	Project Team, Management, Stakeholders
2	Stakeholder Reports	Inform stakeholders about project activities	Reports, Email	Monthly	Government, Environmental Orgs, Funding Agencies
3	Public Awareness	Promote the plastic detox initiative	Social Media, Press Releases	Monthly	General Public, Citizens, Tourism Stakeholders
4	Quality Assurance	Discuss quality-related matters	Quality Reports, Meetings	Bi-weekly	Project Team, Quality Control Team
5	Risk Assessment	Identify and address project risks	Risk Registers, Meetings	As needed	Project Team, Risk Management Team
6	Issue Resolution	Address and resolve project issues	Issue Logs, Meetings	As needed	Project Team, Stakeholders, Government

(Note: S. Oliver, 2023)

4.8 Risk Management Plan

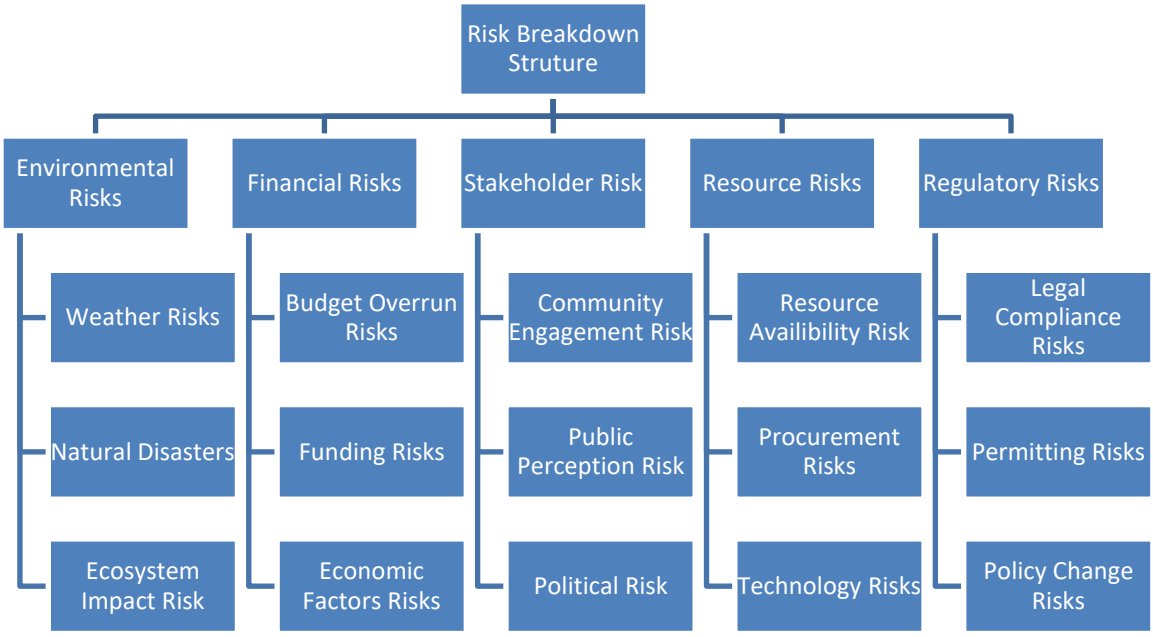
4.8.1 Risk Management Introduction

The Risk Management Plan for the Dominica Plastic Detox Initiative outlines the strategies to be employed to identify, assess, mitigate, and monitor risks throughout the project. This plan's objective is proactive risk management, which deals with potential issues that might have an impact on the project's objectives, scope, budget, and timeline. By reducing the negative impact of uncertainties and taking advantage of opportunities, the project team aims to maximize project success by putting effective risk management techniques into practice.

4.8.2 Risks Identification

Figure 18

Risk Breakdown Structure (RBS)



(Note: S. Oliver, 2023)

4.8.3 Risk Analyses

Risk analysis is a critical component of the Risk Management Plan, aiming to systematically identify, assess, and prioritize potential risks that may impact the success of the Dominica Plastic Detox Initiative. The analysis encompasses both qualitative and quantitative methods to provide a comprehensive understanding of the project's risk landscape. Key Steps in Risk Analysis:

1. Risk Identification
2. Qualitative Risk Assessment
3. Quantitative Risk Assessment
4. Risk Prioritization
5. Risk Response Planning

Qualitative Risk Assessment Form					
Risk ID	**Risk Description**	**Likelihood**	**Impact**	**Severity**	**Risk Response**

Quantitative Risk Assessment Form				
Risk ID	**Risk Description**	**Probability (%)**	**Impact ($)**	**Expected Monetary Value (EMV $)**

4.8.4 Risk Responses

Chart 32

Risk Responses

ID	Risk Event	Mitigation
1.1.	**Environmental Risks**	
1.1.1	Weather Risk	Regular monitoring of weather forecasts and flexible scheduling to accommodate adverse conditions.

ID	Risk Event	Mitigation
1.1.2	Natural Disaster Risk	Establishing emergency response protocols and securing insurance coverage for potential damages.
1.1.3	Ecosystem Risks	Conducting comprehensive environmental impact assessments to identify and address potential ecological risks.
1.2	**Financial Risks**	
1.2.1	Budget Overrun Risks	Implementing robust budget tracking mechanisms and periodic financial reviews to identify and address potential overruns.
1.2.2	Funding Risks	Exploring multiple funding sources to reduce reliance on a single channel and ensure financial stability.
1.2.3	Economic Risks	Developing scenario-based financial models to anticipate and adapt to economic fluctuations.
1.3	**Stakeholders Risks**	
1.3.1	Community Engagement Risks	Implementing an inclusive communication strategy and addressing community concerns promptly.
1.3.2	Public Perception Risks	Proactively managing public relations through transparent communication and community involvement.
1.3.3	Political Risks	Establishing strong relationships with relevant political entities and having contingency plans for political uncertainties.
1.4	**Resource Risks**	
1.4.1	Resource Availability Risks	Identifying alternative suppliers and resources to ensure continuity in case of shortages.
1.4.2	Procurement Risks	Rigorous vetting of suppliers, clear contractual agreements, and maintaining alternative procurement channels.
1.4.3	Technology Risks	Regularly updating technology infrastructure and having backup systems to mitigate potential technological failures.
1.5	**Regulatory Risks**	
1.5.1	Legal Compliance Risks	Engaging legal experts to ensure compliance with evolving regulations and laws.
1.5.2	Permitting Risks	Initiating the permitting process early, maintaining open communication with regulatory bodies, and having contingency plans for potential delays.
1.5.3	Policy Changes Risk	Regularly monitoring policy changes and having a flexible project framework to adapt to evolving regulatory landscapes.

(Note: S. Oliver, 2023)

4.8.5 Probability and Impact Matrix

Under the Risk Management Plan for the Dominica Plastic Detox Initiative, a Risk Probability Impact Scale is established to assess and prioritize risks. The scale is as follows:

Risk Probability:

Low (L): The likelihood of the risk occurring is minimal.

Medium (M): The risk has a moderate chance of occurring.

High (H): The risk is likely to occur.

Risk Impact:

Low (L): The consequences of the risk are minor, and it would have a limited impact on the project's objectives.

Medium (M): The risk could result in significant disruptions or moderate negative consequences.

High (H): The risk would have severe repercussions, potentially causing project failure or substantial damage.

Chart 33

Graphical Visualization of the Probability and Impact Scales

		Impact				
		1 – insignificant	**2 – marginal**	**3 – moderate**	**4 – critical**	**5 – catastrophe**
Probability	**1 – very low (unlikely)**	Low	Low	Low	Medium	Medium
	2 – low (seldom)	Low	Low	Medium	Medium	Medium
	3 – medium (occasional)	Low	Medium	Medium	Medium	High
	4 – high (likely)	Medium	Medium	Medium	High	High
	5- it is a fact (definitely)	Medium	Medium	High	High	High

(Note: S. Oliver, 2023)

Chart 34

Graphical Visualization of the Probability and Impact Values

		Impact				
		1 – insignificant	**2 – marginal**	**3 – moderate**	**4 – critical**	**5 – catastrophe**
ob abi	**1 – very low (unlikely)**	1	2	3	4	5
	2 – low (seldom)	2	4	6	8	10

	3 – medium (occasional)	3	6	9	12	15
	4 – high (likely)	4	8	12	16	20
	5- it is a fact (definitely)	5	10	15	20	25

(Note: S. Oliver, 2023)

Chart 35

Risk Register

ID	Risk Event	Cause and Impact	Strategic Response	Probability	Impact	Score	Priority
1.1.	**Environmental Risks**						
1.1.1	Weather Risk	Increased difficulty in managing alternative materials during extreme weather events, leading to potential environmental harm.	Develop resilient waste management systems, including robust infrastructure and emergency response plans.	Medium	High	15	High
1.1.2	Natural Disaster Risk	Increased environmental pollution due to the inability to manage waste effectively during and after natural disasters.	Implement disaster-resistant waste management infrastructure and establish contingency plans for post-disaster waste cleanup.	Low	High	10	Medium
1.1.3	Ecosystem Risks	Disruption of ecosystems due to the introduction of alternative materials or improper waste management practices.	Conduct thorough environmental impact assessments, promote sustainable materials, and implement biodiversity conservation measures.	High	High	20	High
1.2	**Financial Risks**						
1.2.1	Budget Overrun Risks	Financial strain on TNISWM and other stakeholders.	Develop realistic budgets, regularly monitor expenditures, and consider phased implementation to manage costs effectively.	High	Medium	15	High

ID	Risk Event	Cause and Impact	Strategic Response	Probability	Impact	Score	Priority
1.2.2	Funding Risks	Incomplete or ineffective implementation of the ban, leading to continued environmental issues.	Diversify funding sources, seek partnerships with private sectors, and explore international aid and grants.	Medium	High	15	High
1.2.3	Economic Risks	Job losses and economic downturn in sectors related to plastic production.	Implement support programs for affected industries, promote the development of sustainable alternatives, and invest in retraining and reskilling programs.	Low	High	10	Medium
1.3	**Stakeholders Risks**						
1.3.1	Community Engagement Risks	Reduced public support for the ban and potential backlash.	Develop comprehensive community engagement strategies, provide education on the benefits of the ban, and address concerns proactively.	Medium	High	15	High
1.3.2	Public Perception Risks	Reduced compliance, increased opposition, and reputational damage.	Implement public relations campaigns, address misinformation, and emphasize the long-term benefits of the plastic ban.	Low	High	10	Medium
1.3.3	Political Risks	Inconsistency in policy implementation and potential delays in achieving environmental goals.	Advocate for bipartisan support, institutionalize policies, and work towards long-term legislative commitments.	High	Medium	15	High
1.4	**Resource Risks**						

ID	Risk Event	Cause and Impact	Strategic Response	Probability	Impact	Score	Priority
1.4.1	Resource Availability Risks	Supply chain disruptions and challenges in finding suitable alternatives.	Diversify material sources, invest in research and development, and establish strategic partnerships with suppliers.	Medium	Medium	10	Medium
1.4.2	Procurement Risks	Hindered implementation and potential budget overruns.	Develop procurement strategies that ensure a stable supply of alternative materials and establish relationships with reliable suppliers.	High	High	20	High
1.4.3	Technology Risks	Increased environmental pollution and decreased effectiveness of the plastic ban.	Invest in advanced waste management technologies, conduct pilot programs, and continuously monitor and upgrade systems.	Medium	Medium	10	Medium
1.5	**Regulatory Risks**						
1.5.1	Legal Compliance Risks	Inconsistent adherence to regulations, leading to continued plastic use.	Strengthen regulatory frameworks, enhance enforcement mechanisms, and establish penalties for non-compliance.	High	High	20	High
1.5.2	Permitting Risks	Slow or incomplete execution of the ban.	Streamline permitting processes, engage with regulatory authorities proactively, and expedite necessary approvals.	Medium	Medium	10	Medium
1.5.3	Policy Changes Risk	Uncertainty in the business environment and challenges in long-term planning.	Advocate for stable policies, engage with policymakers, and build broad public support for the ban to minimize the risk of	Low	High	10	Medium

ID	Risk Event	Cause and Impact	Strategic Response	Probability	Impact	Score	Priority
			policy changes.				

(Note: S. Oliver, 2023)

4.9 Procurement Management Plan

4.9.1 Procurement Management Introduction

The Procurement Management Plan for the Dominica Plastic Detox Initiative outlines the strategies and procedures for obtaining the materials and tools needed for the project's efficient completion. This plan offers a structure to ensure that procurement operations are performed ethically, successfully, and in compliance with relevant laws and regulations. The plan describes the specifics of how supplier selection, contract management, and need assessment will be handled in the procurement process. The goal is to maximize the value of each procurement project while lowering risks and ensuring transparency and accountability at every stage.

4.9.2 Procurement Management Approach

The Procurement Management approach for the Dominica Plastic Detox Initiative will be structured to ensure the acquisition of necessary resources and services in an efficient, cost-effective, and transparent manner. The project follows these key approaches:

1. Centralized Procurement
2. Competitive Bidding
3. Supplier Evaluation
4. Cost Control
5. Quality Assurance

6. Risk Mitigation
7. Ethical and Sustainable Procurement
8. Transparency and Documentation
9. Stakeholder Involvement

4.9.3 Roles and Responsibilities

Chart 36

Procurement Roles and Responsibility

Roles	Responsibility
Project Manager	Overall responsibility for procurement activities within the project. Approves procurement documents, including requests for proposals (RFPs) and purchase orders. Ensures that procurement aligns with project goals and objectives. Oversees vendor relationships.
Procurement Manager	Responsible for managing the procurement process from initiation to closure. Develops procurement strategies and plans. Identifies potential suppliers and issues RFPs. Evaluates supplier proposals and selects vendors. Negotiates contracts and terms. Ensures that procurement complies with ethical and sustainability standards.
Project Team Members	Collaborate with the Procurement Manager to define procurement needs. Provide technical specifications and requirements for the goods or services to be procured. Participate in the evaluation of supplier proposals. Collaborate on the development of acceptance criteria for procured items.
Environmental Experts	To advise on environmentally responsible procurement practices. Ensure that procured items and services meet environmental standards. Collaborate with the Procurement Manager to identify sustainable suppliers.
Financial Controller	Monitor procurement expenses and ensure adherence to the project budget. Review and approve financial aspects of procurement, including payment requests.
Quality Assurance Team	Define quality standards and acceptance criteria for procured goods or services. Collaborate with the Procurement Manager to ensure that selected vendors meet quality requirements.

(Note: S. Oliver, 2023)

4.9.4 Procurement Definition

A detailed and organized list of all the parts, supplies, equipment, and materials needed to carry out the Dominica Plastic Detox Initiative is called the Bill of Materials (BOM). It offers a thorough list of everything required to finish the project effectively. The BOM is an essential document for procurement and planning that lists each item's quantity, description, specifications, and, if relevant, sources or suppliers.

Chart 37

Bill of Materials (BOM)

ID	Item	Description	Quantity	Unit of Measure
1	Recycling Bins	Containers for recyclables	200	Number
2	Waste Collection Bins	Containers for waste	100	Number
3	Educational Materials	Brochures, posters, etc.	Varies	Varies
4	Transportation Vehicles	Vehicles for waste collection	5	Number
5	Personnel	Project team members	Varies	Persons
6	Recycling Equipment	Machines for recycling	2	Number
7	Communication Tools	Tools for public outreach	Varies	Varies
8	Safety Gear	Protective gear for workers	Varies	Varies
9	Land and Facilities	Locations for waste disposal	2	Number

(Note: S. Oliver, 2023)

4.9.5 Type of Contract

In the Procurement Management Plan for the Dominica Plastic Detox Initiative, a fixed-price contract will be utilized for certain aspects of the project. Fixed-price contracts are typically employed when the project requirements are well-defined, and there is minimal expected change in scope.

4.9.6 Decision Criteria

It will be mandatory for vendors to adhere to the project specifications during the entire duration. Here is a list of the requirements:

1. Can deliver within designated timeframes.
2. Publish material certifications upon request; maintain high standards of quality.
3. Reasonable costs

4.9.7 Procurement Change Control Process

One of the most important parts of managing changes pertaining to a project's procurement of goods and services is procurement change control. It guarantees that modifications to procurement, pertaining to scope, budget, or other aspects, are suitably assessed, and recorded. The project Procurement Management Plan includes the following:

1. Change Identification
2. Change Request Form
3. Change Review
4. Impact Assessment
5. Approval Process
6. Documentation
7. Communication
8. Implementation
9. Monitoring
10. Closeout

4.10 Stakeholder Management Plan

4.10.1 Stakeholder Management Introduction

The Stakeholder Management Plan provides a framework for building solid and fruitful relationships with these important stakeholders. It describes how to identify and classify stakeholders, evaluate their requirements and expectations, and determine the best

approaches to communication and engagement. Furthermore, the plan incorporates risk management techniques to tackle possible obstacles associated with stakeholder engagement.

4.10.2 Stakeholder Identification

Chart 38

Stakeholders Register

Project Name	Project Management Plan for the Implementation of the Dominica Plastic Detox Initiative					
Main Sponsor	Government of Dominica					
ID	**Stakeholders**	**Functional Areas**	**Roles-Responsibility**	**Main Expectations**	**Major Requirements**	**Impact (Low-High)**
1	Government of Dominica	Government	Project Sponsor	Support the initiative to address plastic pollution	Regulatory approvals and funding	High
2	External Funding	Funding Organization	Financial Support	Ensure financial backing for the project	Timely disbursement of funds	High
3	Citizens of Dominica	Local Community	Active Engagement	Expect a cleaner environment and reduced plastic waste	Information and participation	High
4	Environmental Conservation Organizations	Environmental Advocacy	Environmental Expertise	Anticipate positive impacts on ecosystems and wildlife	Compliance with environmental standards	High
5	Tourism Industry Stakeholders	Tourism Sector	Collaboration and Support	Desire reduced pollution to attract eco-conscious tourists	Waste management infrastructure	High

(Note: S. Oliver, 2023)

Figure 19

Stakeholder Power/ Interest Matrix

High	1	Governments of Dominica - To implement and enforce laws pertaining to plastic pollution, enlist their assistance.	Environmental Conservation Organizations - Collaborate on joint initiatives to address plastic pollution in Dominica.
Power	2	External Funding - Keep them informed of any potential challenges that could impact project funding.	
		Keep Satisfied	**Manage Closely**
Low	3	Citizens of Dominica - Conduct public awareness campaigns to educate the population about plastic pollution and the initiative's goals.	Tourism Industry Stakeholders - Promote the Dominica Plastic Detox Initiative to potential tourists, showcasing the island's commitment to sustainability.
	4		
		Monitor with Minimum Effort	**Keep Informed**
Low		**Interest**	High

(Note: S. Oliver, 2023)

4.10.3 Stakeholder Management Assessment Matrix

The Stakeholder Management Assessment Matrix was made using input from the Stakeholder Power/Interest Matrix. This is being done to gauge the level of engagement of the stakeholders and devise strategies for raising it to improve project support.

Chart 39

Stakeholder Assessment Matrix

ID	Stakeholder	Unaware	Resistant	Neutral	Supportive	Leading
1	Government of Dominica	Low	Medium	High	High	High
2	External Funding	Medium	High	Low	High	High
3	Citizens of Dominica	High	Medium	Low	Medium	Medium
4	Tourism Industry Stakeholders	Medium	Medium	Low	Medium	Medium

5	Environmental Conservation Organizations	Medium	Low	High	High	High

(Note: S. Oliver, 2023)

4.10.4 Stakeholder Engagement Matrix

The Stakeholder Engagement Matrix can be developed to offer guidance on the most effective methods of engagement for each stakeholder based on the observation of the Power/Interest grid and the Stakeholder Management Assessment Matrix.

Chart 40

Stakeholder Engagement Matrix

ID	Stakeholder	Project Phase	Engagement Approach	Engagement Tools	Frequency
1	Government of Dominica	Planning, Implementation, Evaluation	Regular meetings and consultations	Project presentations, policy discussions, joint workshops	Monthly
2	External Funding	Planning, Implementation, Evaluation	Information sharing and budget discussions	Regular progress reports, financial statements, impact reports	Monthly
3	Citizens of Dominica	Planning, Implementation, Evaluation	Public awareness campaigns and community engagement	Public workshops, social media campaigns, stakeholder forums	Monthly
4	Tourism Industry Stakeholders	Implementation	Collaboration for sustainable practices	Sustainable tourism guidelines, stakeholder forums, joint promotional campaigns	Weekly
5	Environmental Conservation Organizations	Planning,	Collaboration and knowledge sharing	Joint workshops, information exchange, joint research initiatives	Monthly

(Note: S. Oliver, 2023)

4.11 Sustainable Development Plan

4.11.1 Sustainable Development Introduction

This Sustainable Development Plan outlines the goals, strategies, and action steps of the Dominica Plastic Detox Initiative. It also identifies the stakeholders involved in the initiative and the funding sources for its implementation.

4.11.2 Sustainable Development Approach

Policy and Regulation

Reducing the use of single-use plastics and encouraging sustainable practices require robust and efficient waste management policies and regulations. To address the use and disposal of single-use plastics, the Dominica Plastic Detox Initiative will develop and implement comprehensive policies and regulations. These will include prohibitions on specific plastic types, guidelines for recycling and composting, and sanctions for non-compliance.

Public Awareness and Education

Promoting sustainable waste management techniques and altering public behavior require public education and awareness campaigns. To inform the public about the dangers of single-use plastics, the availability of reusable alternatives, and the effects of plastic pollution on the environment, the Dominica Plastic Detox Initiative will launch a variety of public awareness campaigns. A range of communication events, such as social media, radio, TV, and community events, will be used in these campaigns.

Economic Incentives

Encouraging businesses and individuals to adopt sustainable waste management practices can be greatly aided by financial incentives. The Dominica Plastic Detox

Initiative will investigate the application of financial incentives, including tax exemptions for recycling and composting as well as for using reusable products. Businesses and individuals can be further motivated to join the initiative with these incentives, which can also help to offset the costs associated with making the switch to sustainable practices.

4.11.3 Roles and Responsibilities

Chart 41

Roles and Responsibility

Roles	Responsibility
Project Manager	Overall, in charge of incorporating the project's sustainable development principles. Makes certain that goals and objectives related to sustainability are established and shared with the team. Keeps an eye on project activities to ensure that sustainable practices are being followed.
Sustainability Coordinator	Develops and maintains the project's sustainability strategy. Collaborates with stakeholders to identify and prioritize sustainability goals. Implements and manages sustainability initiatives, including waste reduction, resource efficiency, and community engagement.
Environmental Specialist	Keeps an eye on and evaluates the project's environmental impact. Identifies possible hazards and offers solutions for their mitigation. Guarantees adherence to environmental laws and guidelines.
Community Engagement Officer	Facilitates communication and collaboration with local communities. Organizes community awareness campaigns and educational programs. Collects feedback from citizens and incorporates their suggestions into the project.
Quality Assurance Manager	Ensures that sustainability goals are integrated into the project's quality management processes. Monitors and reports on the achievement of sustainability-related deliverables. Implements corrective actions if sustainability objectives are not met.
Procurement Specialist	Sources sustainable materials and products for the project. Collaborates with suppliers and vendors committed to environmental responsibility. Tracks and reports on the environmental impact of procurement decisions.
Risks Manager	Determines and evaluates the risks associated with sustainability. Creates and executes risk response strategies to deal with possible problems. Reports on the risk profile of the project, emphasizing the risks related to sustainability.
Communications Officer	Develops and executes communication plans for sustainability initiatives.

(Note: S. Oliver, 2023)

4.11.4 Key Performance Indicators

Chart 42

Key Performance Indicators

P5 Domain	Lens	Category	Element	KPI	Metric
People	Servicing	Labor Practices and Decent Work	Training and Qualifications	Training and Skill Development	Count - Measures the degree of staff awareness and capacity building for implementing efficient waste management techniques.
	Lifespan	Society and Customers	Community Engagement	Public Awareness and Education	Public Awareness Index - Measures the level of public awareness of the negative effects of single-use plastics and the adoption of appropriate waste management.
	Effectiveness	Human Rights	Dignity, Diversity, Equity, and Inclusion	Inclusive participation	Weeks – Months – Measures the participation of stakeholders that have been involved in the project.
	Lifespan	Ethical Behavior	Green Claims and Green washing	Green Claims transparency	Percentage - Measures the percentage of companies and organizations that are accurate and reliable in their disclosure of their sustainable activities.
Planet	Lifespan	Transport	Local Procurement	Support to local suppliers	Count- Measures the reliance on local suppliers and a decline in the use of imported items are both indicated by high percentages, which also show increased support for neighborhood companies.
	Effectiveness	Energy	Renewable Energy & Clean Energy Return	Utilization of modernized tools	Rating -Measures the project's dedication to environmental sustainability and lower carbon emissions through modernized tools that indicate a greater reliance on clean and renewable energy sources.
	Effectiveness	Land, Air and Water	Biological Diversity	Reduction of ecological	Count - Determines the degree to which unsustainable

P5 Domain	Lens	Category	Element	KPI	Metric
				vulnerability	behaviors have reduced ecological vulnerability.
	Servicing	Consumption	Recycling and Reuse	Recycle initiatives	Count -Measures the degree of community-led recycling and reuse initiatives in the absence of legislation that makes them mandatory.
Prosperity	Lifespan	Project Feasibility	Financial Analysis	Cost Variance Percentage	Currency – Financials -To show either spending that exceeds the costs that were budgeted or, if the proportion is negative, cost savings.
	Efficiency	Business Agility	Resilience	Crisis Response Time	Weeks – Months -To demonstrate the stakeholders' ability to handle and bounce back from difficulties and unfavorable project feedback.
	Fairness	Market and Economic Simulation	Local Economic Impact	Waste Management Job Creation	Rating- To assess the extent of direct job growth brought about by the project in the waste management industry.

(Note: S. Oliver, 2023)

4.11.5 P5 Impact Analyses

Chart 43

P5 Impact Analyses (People Impact)

People Impact	Initial Score	New Score	Change
Labor Practices and Decent Work	1.3	4.8	-3.5
Society and Customers	2.5	4.0	-1.5
Human Rights	3.0	4.0	-1.0
Ethical Behavior	1.0	4.0	-3.0
Overall Score	4.2		

(Note: S. Oliver, 2023)

Chart 44

P5 Impact Analyses (Plant Impact)

Planet Impact	Initial Score	New Score	Change

Planet Impact	Initial Score	New Score	Change
Transport	1.0	4.0	-3.0
Energy	1.0	4.0	-3.0
Land, Air and Water	1.2	4.0	-2.28
Consumption	1.0	4.2	-3.2
Overall Score	4.1		

(Note: S. Oliver, 2023)

Chart 45

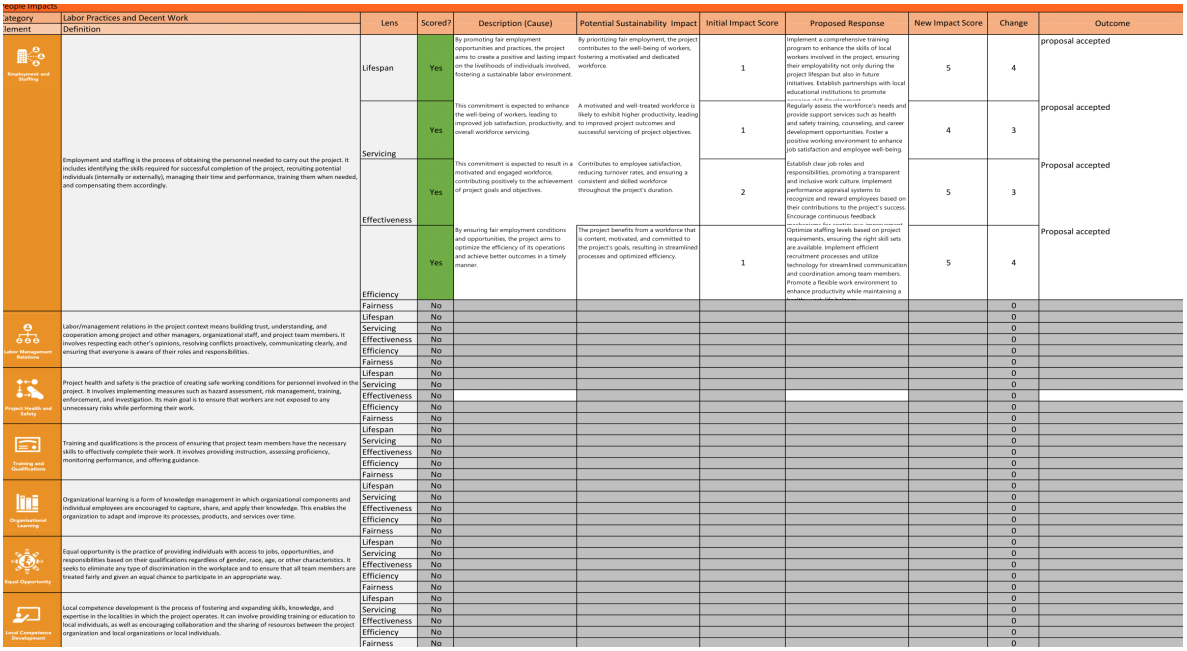
P5 Impact Analyses (Prosperity Impact)

Prosperity Impact	Initial Score	New Score	Change
Project Feasibility	2	4	-2
Business Agility	1	3	-2
Market and Economic Simulation	2	3	-1
Overall Score	3.3		

(Note: S. Oliver, 2023)

Figure 20

P5 Impact Analyses Worksheet (People Impact)



eople Impacts

ategory / lement	Labor Practices and Decent Work / Definition	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Initial Impact Score	Proposed Response	New Impact Score	Change	Outcome
Employment and Staffing	Employment and staffing is the process of obtaining the personnel needed to carry out the project. It includes identifying the skills required for successful completion of the project, recruiting potential individuals (internally or externally), managing their time and performance, training them when needed, and compensating them accordingly.	Lifespan	Yes	By promoting fair employment opportunities and practices, the project aims to create a positive and lasting impact on the livelihoods of individuals involved, fostering a sustainable labor environment.	By prioritizing fair employment, the project contributes to the well-being of workers, fostering a motivated and dedicated workforce.	1	Implement a comprehensive training program to enhance the skills of local workers involved in the project, ensuring their employability not only during the project lifespan but also in future initiatives. Establish partnerships with local educational institutions to promote	5	4	proposal accepted
		Servicing	Yes	This commitment is expected to enhance the well-being of workers, leading to improved job satisfaction, productivity, and overall workforce servicing.	A motivated and well-treated workforce is likely to exhibit higher productivity, leading to improved project outcomes and successful servicing of project objectives.	1	Regularly assess the workforce's needs and provide support services such as health and safety training, counseling, and career development opportunities. Foster a positive working environment to enhance job satisfaction and employee well-being.	4	3	proposal accepted
		Effectiveness	Yes	This commitment is expected to result in a motivated and engaged workforce, contributing positively to the achievement of project goals and objectives.	Contributes to employee satisfaction, reducing turnover rates, and ensuring a consistent and skilled workforce throughout the project's duration.	2	Establish clear job roles and responsibilities, promoting a transparent and inclusive work culture. Implement performance appraisal systems to recognize and reward employees based on their contributions to the project's success. Encourage continuous feedback	5	3	Proposal accepted
		Efficiency	Yes	By ensuring fair employment conditions and opportunities, the project aims to optimize the efficiency of its operations and achieve better outcomes in a timely manner.	The project benefits from a workforce that is content, motivated, and committed to the project's goals, resulting in streamlined processes and optimized efficiency.	1	Optimize staffing levels based on project requirements, ensuring the right skill sets are available. Implement efficient recruitment processes and utilize technology for streamlined communication and coordination among team members. Promote a flexible work environment to enhance productivity while maintaining a	5	4	Proposal accepted
		Fairness	No						0	
Labor Management Relations	Labor/management relations in the project context means building trust, understanding, and cooperation among project and other managers, organizational staff, and project team members. It involves respecting each other's opinions, resolving conflicts proactively, communicating clearly, and ensuring that everyone is aware of their roles and responsibilities.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Project Health and Safety	Project health and safety is the practice of creating safe working conditions for personnel involved in the project. It involves implementing measures such as hazard assessment, risk management, training, enforcement, and investigation. Its main goal is to ensure that workers are not exposed to any unnecessary risks while performing their work.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Training and Qualifications	Training and qualifications is the process of ensuring that project team members have the necessary skills to effectively complete their work. It involves providing instruction, assessing proficiency, monitoring performance, and offering guidance.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Organizational Learning	Organizational learning is a form of knowledge management in which organizational components and individual employees are encouraged to capture, share, and apply their knowledge. This enables the organization to adapt and improve its processes, products, and services over time.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Equal Opportunity	Equal opportunity is the practice of providing individuals with access to jobs, opportunities, and responsibilities based on their qualifications regardless of gender, race, age, or other characteristics. It seeks to eliminate any type of discrimination in the workplace and to ensure that all team members are treated fairly and given an equal chance to participate in an appropriate way.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Local Competence Development	Local competence development is the process of fostering and expanding skills, knowledge, and expertise in the localities in which the project operates. It can involve providing training or education to local individuals, as well as encouraging collaboration and the sharing of resources between the project organization and local organizations or local individuals.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	

Work Life Harmony and Mental Health	Work-life harmony and mental health refers to the ability of individuals to strike a balance between their professional goals and commitments within their personal lives. This involves taking regular breaks from work, developing healthy work habits, and engaging in activities that bring a sense of joy and contentment.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
ategory	Society and Customers	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
lement	Description									
Community Engagement	Community engagement is the practice of treating local residents as stakeholders in the project. This is essential as it ensures that local needs and perspectives are taken into consideration when taking any action that affects the community. It also requires a two-way exchange of information and ideas between the project team and the community to make the project more effective, efficient, and beneficial for all involved.	Lifespan	Yes	The lifespan of the community engagement initiative is prolonged through sustained efforts to raise awareness about plastic pollution, promoting long-term behavioral change. Continuous engagement activities, such as educational campaigns and regular community feedback sessions, contribute to the enduring impact on community	The community engagement initiatives embedded in the project, such as awareness campaigns, educational activities, and stakeholder involvement, can contribute to the prolonged lifespan of the project's positive outcomes. By fostering a sense of ownership and responsibility within the community, the initiative's impact could extend beyond the project's	2	Involves establishing long-term relationships and collaboration channels with local communities. By fostering continuous engagement beyond the project's duration, the TNISWM aims to create a sustained positive impact on society.	4	2	Proposal accepted, and action will remain in effect.
		Servicing	No						0	
		Effectiveness	Yes	The effectiveness of community engagement is rooted in its ability to actively involve citizens in the plastic detox efforts. Educational campaigns and augmented reality experiences leverage modern technologies to enhance the impact, making it more relatable and memorable for community members.	A robust community engagement strategy can significantly boost the effectiveness of the project. By involving the community in decision-making processes, aligning project goals with community needs, and addressing concerns, the initiative is more likely to achieve its objectives. The active involvement of the community ensures that the project's efforts resonate with the	3	The effectiveness of community engagement efforts will be measured through key performance indicators, such as increased participation in cleanup initiatives, heightened awareness levels, and a demonstrated shift towards sustainable practices. Regular assessments and feedback sessions will enable continuous improvement.	4	1	Began the process and it will take 1 months to have feedback gathered from the outlined engagements among the community groups.
		Efficiency	No						0	
		Fairness	No						0	
Public Policy and Compliance	Public policy and compliance includes the steps taken by the project team to ensure that the project complies with all relevant laws and regulations. This involves researching relevant laws and regulations, understanding their implications for the project, and taking necessary steps to make sure these laws and regulations are respected throughout the project's duration.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Protection for Indigenous and Tribal Peoples	Protection for indigenous and tribal peoples includes the measures taken to ensure the rights and wellbeing of affected populations over the course of the project. This includes protection of their culture, land use rights, language, religion, and other forms of recognition.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Customer Health and Safety	Customer health and safety includes the measures taken to ensure the physical and mental wellbeing of the end users of the project's results. This includes providing information about risks and hazards, proper customer handling during the project, and adherence to relevant safety standards, protocols, laws, and regulations.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Product and Service Labeling	Product and service labeling includes procedures used to ensure that goods and services are accurately labeled according to legal and ethical standards. This includes properly disclosing potential risks, hazards, and side effects associated with the use of products and services as well as providing appropriate information about the origins of these products and services.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Customer Privacy and Data Protection	Customer privacy and data protection encompasses the measures taken to safeguard customer data such as personal information or financial details. It includes providing secure storage facilities and encryption technologies, implementing appropriate access controls and authentication procedures, and ensuring compliance with relevant laws and regulations.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
ategory	Human Rights	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
lement	Description									
Harassment and Discrimination	Harassment and discrimination involves the measures adopted to ensure a safe, respectful, and non-discriminatory workplace environment. This includes developing policies that protect employees from unjust treatment, creating an inclusive environment, implementing effective reporting procedures for instances of inappropriate behavior, and providing sufficient training for management on how to handle such issues.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	

Age-Appropriate Labor	Age-appropriate labor means ensuring that children are not put in dangerous or exploitative situations while still allowing them to develop essential job skills. It is used to describe work suitable for a person's skill level and maturity.	Lifespan	Yes	issues related to child labor can arise due to economic hardships or lack of opportunities, leading to children being engaged in work that is detrimental to their development.	If child labor is prevalent in the project implementation, it could lead to long-term social and economic challenges within the community. Children deprived of education and exposed to hazardous work environments are likely to face diminished opportunities in adulthood, impacting the	3	Develop and enforce strict policies prohibiting the engagement of underage labor in any project-related activities. This should be accompanied by comprehensive guidelines outlining acceptable working conditions and age limits for different types of work.	4	1	Ensure the long-term sustainability and positive impact of the project by safeguarding the rights and well-being of children and young individuals within the community.
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Forced and Involuntary Labor	Forced and involuntary labor means any work or service that is extracted from a person under the menace of punitive action against themselves or their families. It includes work where the payment is below subsistence levels, or where the payment is in goods which are not desirable. Forced and involuntary labor can take many forms including human trafficking, debt bondage, enslavement, and unjustly long working hours.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Dignity, Diversity, Equity, and Inclusion	Dignity, diversity, equity, and inclusion (DDEI) is a set of values, principles, and practices that create an environment where everyone involved in the project feels respected, safe, and valued. It also involves providing opportunities for everyone to take part in relevant decision-making processes without facing discrimination or being subject to unfair treatment.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Category	Ethical Behavior	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Element	Description									
Sustainable Procurement and Contracts	Sustainable procurement and contracts includes practices for obtaining goods, raw materials, and services that take into account environmental, economic, and social impacts. It means contracting for resources in an ethical manner. It requires establishing agreements which adhere to environmental, social, and human rights standards.	Lifespan	Yes	It involves considering the impact of procurement decisions on the local community, labor practices, and social well-being.	Implementation of sustainable procurement practices ensures that the project's sourcing and contracting activities adhere to ethical standards throughout its lifespan. This longevity contributes to continuous positive impacts	1	Implement a comprehensive sustainable procurement policy outlining ethical standards and environmental considerations for all contracts, emphasizing long-term benefits over short-term gains.	4	3	Proposal accepted, and action is in progress
		Servicing	No						0	
		Effectiveness	Yes	By prioritizing suppliers with ethical practices, the project ensures that resources are acquired responsibly, contributing to the overall success and	By prioritizing fair and environmentally responsible sourcing, the initiative is more likely to achieve its objectives efficiently and ethically.	1	Develop partnerships with suppliers who actively contribute to environmental and social responsibility, ensuring effectiveness in achieving project goals while upholding	4	3	Began the process and it will take 6 months to have the system put in place.
		Efficiency	No						0	
		Fairness	No						0	
Anti-Corruption	Anti-corruption is the practice of rejecting both offers of and requests for gifts, payments, or other forms of benefits in order to influence the activities, results, or outcomes of the project. It involves making sure that the project is free of unethical practices such as bribery, money laundering, fraud, and embezzlement.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Fair Competition	Fair competition is the practice of ensuring that all parties wanting to provide products or services to the project have an equal opportunity to compete and win. It requires taking measures to ensure that no individual party has an unfair advantage due to size, wealth, influence, or any other factor. This includes enforcing laws and regulations against anticompetitive behavior such as price-fixing and market manipulation. Additionally, fair competition calls for creating transparent processes for bidding and contract awards to ensure fair opportunities for businesses of all sizes and types.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Responsible Technology	Responsible technology is the practice of taking into account ethical, legal, and social implications when running projects that involve new or emerging technologies. This includes developing and adhering to frameworks and policies related to data privacy, intellectual property rights, environmental impact, diversity, and inclusion. Responsible technology also requires ensuring that technology is used in a safe and responsible manner.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Green Claims and Greenwashing	Green claims are statements made by an organization to indicate that a product or service has been designed and produced in a manner that is considered environmentally responsible. These claims typically relate to the organization's efforts to reduce its environmental impact such as using recycled materials, renewable energy sources and efficient production processes. Greenwashing is the practice of making false or misleading claims in order to mislead consumers into believing that a product or service is more environmentally friendly than it actually is. This can be done through deceptive language, exaggerations, or omitting relevant information about an organization's true environmental practices.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	

(Note: S. Oliver, 2023)

Figure 21

P5 Impact Analyses Worksheet (Planet Impact)

lanet Impacts										
ategory	Transport									
lement	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Local Procurement	Local procurement is the practice of purchasing products and services from local suppliers.	Lifespan	Yes	Locally procured items may have a different lifespan than imported ones due to factors like climate resilience, maintenance practices, and the quality of local manufacturing.	By sourcing materials and services locally, it may reduce environmental stress associated with long-distance transportation and enhance the overall durability of project components.	1	Regular maintenance schedules, prompt repairs, and adherence to sustainable usage practices will be enforced.	4	3	By sourcing materials and services locally, the project reduces environmental impact associated with transportation, promoting the longevity of transport assets.
		Servicing	Yes	The impact on servicing is tied to the availability of local expertise and spare parts. If procurement locally includes components that can be easily serviced and maintained within the region, it positively affects the project's overall servicing [illegible].	Local procurement can facilitate easier servicing and maintenance. Utilizing local suppliers and services may lead to quicker response times, reduced downtime, and a more sustainable approach to equipment upkeep.	1	Establish partnerships with local service providers, adhere to manufacturer recommendations, and conduct regular check-ups.	4	3	Access to local suppliers may facilitate quicker response times for maintenance and repairs. This contributes to the timely upkeep of transport elements, minimizing downtime and ensuring consistent operational readiness.
		Effectiveness	No						0	
		Efficiency	Yes	Reduced transportation distances lead to more efficient supply chains, decreasing time delays and potential disruptions, thus improving overall project efficiency.	Efficiency gains are likely through local procurement, as it minimizes transportation distances and associated energy consumption. This can result in a reduction of the project's carbon footprint, contributing to environmental efficiency.	1	Optimize routes, leverage technology for route planning, and implement fuel-efficient practices.	4	3	By procuring locally, the project can minimize logistical complexities, contributing to the overall efficiency of the transportation element.
		Fairness	No						0	
Digital Communication	Digital communication is the use of digital tools and platforms to communicate about the project. These tools can include websites, email newsletters, social media accounts, messaging applications, and other digital communication channels.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Travelling and Commuting	Traveling and commuting is the movement of project-related personnel between different locations. Traveling and commuting may include getting to the project site, attending off-site meetings, conducting off-site presentations, collecting data, and providing off-site support.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Logistics	Logistics is the planning and execution of activities related to transporting goods, raw materials, and services for use by the project. Logistics includes activities such as scheduling transportation, estimating costs, coordinating personnel, and making sure that all necessary procedures are completed on time.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
ategory	Energy									
lement	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Energy Consumption	Energy consumption is the amount of energy used by the project throughout its duration. It encompasses all aspects of energy use from office lighting to the energy required for transportation.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
GHG Emissions	GHG emissions are gases (mostly carbon dioxide and methane) released into the atmosphere as a direct result of activities associated with the project. This includes emissions as a direct result of project energy consumption as well as emissions from transport of procured goods, raw materials, and services. It also includes GHG emissions caused by the distribution, operation, and disposal of the project product.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Renewables and Clean Energy Return	Renewable energy, also called alternative energy, is energy generated from sources that are replenished at a faster rate than they are consumed. These sources include solar, wind, water, and geothermal power.	Lifespan	Yes	By implementing energy systems with longer lifespans, the initiative seeks to reduce reliance on conventional, non-renewable sources, contributing to long-term environmental benefits.	Renewable energy systems, such as solar or wind power, are known for their long lifespan, contributing to the sustained availability of clean energy throughout the project duration.	1	Regular maintenance schedules and technological updates will be incorporated to maximize the system's operational life.	4	3	Increase in green energy return by project team
		Servicing	Yes	Clean energy technologies often require less maintenance compared to traditional energy sources, ensuring operational efficiency and reducing the ecological footprint associated with frequent [illegible].	Renewable energy systems generally require minimal maintenance compared to traditional energy sources, leading to reduced servicing needs and associated environmental impacts.	1	Collaborate with qualified technicians and ensure the availability of spare parts for efficient servicing.	4	3	Increase in tracking clean energy return by plastic waste and project team.
	Clean energy return (CER) refers to the amount of renewable energy generated by the project or the project's product that is in excess of the amount needed. CER is normally returned to the grid for use by others.	Effectiveness	Yes	The project prioritizes the effective utilization of renewable energy sources, seeking to harness their full potential to power various aspects of the initiative. This involves employing technologies that optimize energy conversion and utilization, contribution to the overall [illegible].	By relying on sustainable energy, the project contributes to reducing carbon emissions and environmental harm, aligning with the goal of combating climate change.	1	Regular monitoring and performance evaluations will be employed to ensure sustained effectiveness.	4	3	Tool established that will allow the project team to increase there clean energy return.
		Efficiency	No						0	
		Fairness	No						0	
ategory	Land, Air, and Water									
lement	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Biological Diversity	Biological diversity, also known as biodiversity, refers to the variety of life forms on Earth. It includes all ecosystems and all species of plants, animals, bacteria, fungi, and microorganisms that make up a particular environment or habitat. It also includes all genetic variations of those species.	Lifespan	Yes	The project aims to reduce plastic pollution in coastal areas and other targeted regions, decreasing the environmental burden on land ecosystems. The cause is the improper disposal of plastic waste, adversely affecting soil quality, vegetation, and wildlife habitats.	Reduced plastic pollution in land, air, and water can enhance the overall health and longevity of ecosystems.	1	Implementing a comprehensive waste management system focusing on reducing plastic waste through recycling, waste-to-energy initiatives, and community education.	5	4	Reduced plastic pollution in Dominica
		Servicing	Yes	The project's impact on land is expected to be long-lasting, reducing the accumulation of plastic waste and promoting healthier land ecosystems over an extended period.	By reducing plastic waste and promoting sustainable practices, the project may enhance the ecosystem's ability to provide essential services such as pollination, water purification, and nutrient cycling.	2	Regular collection of plastic waste, establishment of recycling facilities, and promotion of eco-friendly alternatives to plastic.	5	3	Reduced plastic pollution in Dominica
		Effectiveness	Yes	Regular cleanup initiatives and waste collection activities contribute to the ongoing servicing of impacted land areas, ensuring sustained improvement in environmental conditions.	Effective waste management and cleanup efforts can prevent harm to various species and habitats, contributing to overall ecosystem health.	1	Implementing policies and regulations to enforce proper waste disposal, incentivizing recycling, and conducting awareness campaigns to educate the public about the importance of preserving	4	3	All future projects to include land, air and water sustainability and protection.
		Efficiency	Yes	The project demonstrates efficiency by employing targeted cleanup strategies, optimizing resource utilization, and adopting sustainable practices to address [illegible].	By preventing plastic pollution, the project can lead to more efficient ecosystem functioning, supporting biodiversity without the negative impacts associated with plastic accumulation.	1	Streamlining waste management processes, optimizing resource allocation, and leveraging technology for monitoring and data analysis.	4	3	All projects are developed using sustainable practices and processes.
		Fairness	Yes	The project ensures that its initiatives addressing plastic pollution across various land areas, ensuring a broad and equitable distribution of environmental benefits.	Preventing harm to vulnerable species and promoting environmental justice by addressing the disproportionate impact of plastic pollution on different communities.	1	Ensuring equitable access to waste management services, considering the needs of marginalized communities, and incorporating stakeholders' feedback in decision-making processes.	5	4	All projects are developed using sustainable practices and processes.
Air and Water Quality	Air and water quality involves measures of contamination in air and water sources.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Water Consumption	Water consumption is the usage of water during project activities. Although construction, manufacturing, and agricultural projects are probably the major users of water, all projects use water to some extent.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Water Displacement	Water displacement is the practice of diverting water sources that have been disrupted by the project away from areas that are prone to flooding and contamination. Methods include dam construction, rerouting flowing water, building artificial wetlands, landscaping with rain gardens, and installing flood barriers. Water displacement is mostly an issue with construction, manufacturing, and agricultural projects.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Soil Erosion and Regeneration	**Soil erosion** is the loss of topsoil due to human activities such as construction, road building, or agricultural practices. It can be exacerbated by changes in the natural land cover and can have significant negative effects on local ecosystems. As with water displacement, soil erosion is mostly an issue with construction, manufacturing, and agricultural projects. **Regenerative design** is a practice that draws on an understanding of how ecosystems function so that the project will regenerate resources rather than depleting them.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Noise Pollution	Noise pollution is the creation of excessive, unpleasant, or disruptive sounds that can diminish quality of life. Noise pollution can be caused by activities such as blasting, heavy vehicle traffic, traffic jams, and operation of machinery or equipment.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Category	Consumption									
Element	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Recycling and Reuse	Recycling involves transforming a waste item into a useful one. Items that can be recycled run the gamut from plastic water bottles to computers to electrical generators. Reuse involves using the same item again and again or finding a new purpose for it.	Lifespan	Yes	Plastic waste can persist in the environment for hundreds to thousands of years, leading to pollution of land, water bodies, and [illegible] wildlife.	By promoting recycling and reuse practices, it can contribute to extending the lifespan of plastic materials by diverting them from disposal.	1	Implement a comprehensive waste management system that includes recycling and reuse programs.	4	3	Increase in the lifespan of plastic materials through effective recycling and reuse practices.
		Servicing	Yes	This may result in improper sorting, contamination of recyclables, and decreased effectiveness of recycling initiatives.	Proper servicing ensures that collected recyclable materials are processed effectively, minimizing environmental impacts and reducing pollution associated with the production of new plastic.	1	Regular collection, sorting, and processing of recyclable materia	4	3	Establishment of comprehensive recycling and reus infrastructure.
		Effectiveness	Yes	Lack of proper collection systems, limited recycling facilities, and inadequate public participation can hinder the effectiveness of recycling efforts.	A well-executed program can significantly reduce the environmental footprint associated with plastic consumption by encouraging individuals and businesses to adopt sustainable alternatives and [illegible].	1	Implement educational campaigns, incentivize recycling, and ensure proper waste segregation.	5	4	Significant reduction in plastic waste generation and landfill accumulation.
		Efficiency	Yes	Inefficient sorting processes, transportation logistics, and energy-intensive recycling methods can reduce the overall efficiency of recycling initiatives.	Implementing streamlined collection, sorting, and processing methods can enhance the efficiency of recycling operations, thereby reducing the environmental burden associated with [illegible].	1	Optimize resource utilization in recycling processes, streamline collection routes, and invest in appropriate technology.	4	3	Streamlined processes for plastic recycling and reuse, minimizing resource consumption.
		Fairness	Yes	Inequitable distribution of recycling infrastructure, socio-economic disparities, and lack of accessibility to recycling facilities can lead to unfair outcomes in [illegible].	By promoting inclusivity and accessibility, the initiative can foster a sense of collective responsibility for environmental stewardship and address social inequalities related to waste management.	1	Ensure equitable access to recycling facilities and opportunities for all communities.	4	3	Equitable access to recycling and reuse facilities an opportunities for all community members
Disposal	Disposal of assets is the process of getting rid of an item which has reached the end of its useful life. This includes everything from consumer electronics to public infrastructure such as roads and bridges. Generally, assets should not be disposed of until they are no longer fit for use. Disposal of goods and materials is the practice of getting rid of items that are no longer needed or wanted for the project. This includes disposing of both hazardous and non-hazardous waste in accordance with relevant laws and regulations.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Rhinocal	Contamination and pollution is the release of waste materials or hazardous substances into the environment. It will almost always have a negative impact on ecosystems and human health. Contamination and pollution most often occurs due to neglectful practices in manufacturing, construction, agriculture, and related industries that generate waste materials or hazardous chemicals, but it can also occur in other projects that do a poor job of disposal.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Waste Generation	is the creation of any excess or unneeded materials or byproducts during the project. This includes everything from leftover supplies and materials to wasted energy.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	

(Note: S. Oliver, 2023)

Figure 22

P5 Impact Analyses Worksheet (Prosperity Impact)

Category	Project Feasibility									
Element	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Business Case Analysis	Business case analysis is the process of developing a business case that provides justification for the initiation or continuation of the project. It involves analyzing the underpinning logic of funding the project. This requires identifying the expected benefits and dis-benefits, likely costs and revenues, staffing requirements, major risks, schedule alternatives, and stakeholder impacts associated with a proposed project.	Lifespan							0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Financial Analysis	Financial analysis is the process of evaluating the project from a monetary perspective. Typically, it is used to analyze whether the project warrants initial or additional funding.	Lifespan	Yes	For the Dominica Plastic Detox Initiative, the lifespan is typically the projected period during which the initiative is expected to be operational and effective in managing plastic waste. This may encompass the planning, implementation, and monitoring phases of the initiative, which could extend over several years.	The financial analysis should consider the long-term viability of the initiative. This involves estimating the costs associated with implementing and maintaining the initiative over its projected lifespan. Factors such as depreciation of assets, ongoing operational expenses, and potential revenue streams from recycling or other activities should be assessed to ensure that the project remains financially sustainable	2	Determine the projected lifespan of the initiative, including the expected duration of implementation and operational phases. This will help in estimating the long-term financial commitments and benefits associated with the project.	4	2	The financial analysis should assess whether the project's anticipated lifespan aligns with the expected returns on investment. It should consider factors such as the durability of infrastructure, ongoing maintenance requirements, and projected revenue streams over time. TNISWM needs to ensure that the project's lifespan is sufficient to recoup initial investments and generate long-term benefits for stakeholders.
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Social Return on Investment	Social return on investment (SROI) is a framework for measuring and accounting for project results and outcomes by including social and environmental costs and benefits along with the traditional economic ones. It is based on the idea that projects create value in ways other than just financial returns. For example, a community development project may create value by improving the health and well-being of residents, reducing crime, and increasing social cohesion.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Modeling and Simulation	Modeling is the creation of a physical, mathematical, or logical representation of the project using representative characteristics of the project.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Category	Business Agility									
Element	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Flexibility Optionality	Flexibility is the ability to adjust to changing circumstances or situations. It requires the capacity to modify plans or approaches when faced with unexpected challenges. Optionality means having multiple solutions or choices available. It means the project is not constrained by a single approach. Optionality means that the project is capable of supporting different outcomes with different results without having to start over.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	Yes	By embracing a flexible approach, TNISWM can identify and eliminate bottlenecks, expedite decision-making, and adapt workflows to maximize productivity. Additionally, the incorporation of various options into the project plan allows TNISWM to deploy resources judiciously, ensuring that efforts are focused on activities that yield the greatest returns, thus enhancing overall efficiency.	Inefficient resource allocation or operational processes could lead to wasted resources and decreased project sustainability.	1	Prioritize efficiency in project planning and execution, leveraging technology and best practices to streamline processes and optimize resource utilization. Regularly assess project workflows and identify opportunities for automation or optimization to improve efficiency over time.	3	2	Challenges minimized and smooth project execution.
		Fairness	No						0	
Resiliency	Resiliency is the ability of the project to recover from or adjust easily to adverse conditions such as extreme market fluctuations, political or economic instability, natural disasters, or health emergencies. Resiliency does not make problems go away: it means having the ability to cope with them despite the unexpected stress.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
Category	Market and Economic Stimulation									
Element	Description	Lens	Scored?	Description (Cause)	Potential Sustainability Impact	Impact Score Before	Proposed Response	Impact Score After	Change	Outcome
Local Economic Impact	Local economic impact includes the direct and indirect effects the project has on the economy of its local area. This can include job creation, increased spending in the local economy, or increased regional development.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	Yes	Implementing recycling facilities, organizing clean-up campaigns, and promoting sustainable practices could create employment opportunities within the local community.	Ensuring equitable distribution of economic benefits across different segments of the community is essential for fairness.	2	Streamline administrative processes and optimize resource allocation to minimize waste and maximize the impact of economic stimulation efforts. Implement feedback mechanisms to identify and address	3	1	By creating jobs, this will boost economy and the project exection will be successful.
Indirect Benefits	Indirect benefits are the positive impacts that go beyond the immediate outcomes of the project and may not always be immediately visible. These benefits can include improved quality of life, increased economic activity in the local area, and environmental improvements such as cleaner air or water.	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	
ESG Disclosures and Sustainability Reporting	ESG disclosures are information about an organization's performance and practices related to environmental, social, and governance issues. Information from the project is used as input to the ESG disclosures of the sponsoring organization(s). Sustainability reporting provides information about an organization's policies, practices, and performance related to sustainability. It covers a wide range of topics such as energy efficiency, carbon emissions, resource conservation, human rights, labor practices, and community engagement. Information from the project is used as input to the sustainability reporting of the sponsoring organization(s).	Lifespan	No						0	
		Servicing	No						0	
		Effectiveness	No						0	
		Efficiency	No						0	
		Fairness	No						0	

(Note: S. Oliver, 2023)

5 CONCLUSIONS

1. The successful completion of the project was significantly facilitated by the thorough creation and execution of the Scope Management Plan. This plan ensured a comprehensive understanding of the necessary tasks, aligning them with project goals and establishing clarity. The identification of stakeholders through extensive research in the Commonwealth of Dominica played a pivotal role in defining the project scope. The initiative encompassed educational activities and a widespread cleaning campaign to combat plastic pollution. Well-defined acceptance criteria, including completing the program within the stipulated five-month timeframe and achieving a 20% increase in recycling rates, provided clear benchmarks for success. The adept handling of associated risks further contributed to the project's success. Overall, the meticulous planning and execution of the Scope Management Plan were instrumental in achieving the project's objectives.
2. The Schedule Management Plan played a pivotal role in the successful completion of the Dominica Plastic Detox project. The project, spanning from October 8, 2023, to March 15, 2024, strategically excluded weekends as working days. Despite identified risks, including potential delays in resources, weather-related issues, scope adjustments, stakeholder availability, quality assurance, regulatory approvals, and educational campaign effectiveness, the project manager and her team meticulously monitored these risks. The carefully designed plan provided a robust framework, ensuring the project adhered to the timeline and concluded on

schedule. The proactive risk management approach, coupled with close monitoring, contributed to the plan's effectiveness in achieving timely project completion.

3. The carefully crafted Cost Management Strategy played a pivotal role in the successful completion of the project. By offering a strategic approach to financial administration, the project ensured the maximization of financial resources while maintaining effective control over expenses. The affordability and use of reusable materials contributed to the project's cost-effectiveness. The estimated budget of $272,000 USD for the 3-month project lifecycle was well-managed through techniques such as CV, SPI, SV, and CPI, allowing for a thorough financial breakdown. The set budget of $141,450 USD, inclusive of a 10% contingency and 5% management reserve fee, further ensured financial resilience and successful cost control throughout the project.
4. The Dominica Plastic Detox Initiative was successfully completed thanks in large part to the implementation of the quality management strategy. The method-maintained project deliverables at predefined high standards by proactively managing project quality control and implementing continual improvements. Careful monitoring was done throughout the project lifespan to meet stakeholders' expectations and stabilize the project. Under the direction of the project manager, the committed quality assurance team carried out the plan with great care. The creation of thorough quality documentation made it easier to meticulously document changes in quality, which aided in the project's overall success.

5. The Dominica Plastic Detox Initiative was completed successfully in large part because to the Resource Management Strategy. The plan helped to ensure that resources were available when needed, which made project work go more smoothly. The characterization and identification of resources in terms of quantity gave procurement managers a clear path forward. Creating alliances improved access to resources, and a clear plan for team growth combined with welfare and safety precautions produced a productive workplace. Employee morale was further raised with awards and recognition, which created an enthusiastic and driven project team. This all-encompassing method of resource management made a major contribution to the project's overall success.
6. The Communication Management Strategy played a pivotal role in the project's success by facilitating effective and transparent communication among project team members and stakeholders. Regular updates, conveyed through various channels such as emails, telephone calls, meetings, and reports, ensured that all relevant information was disseminated in a timely manner. This open line of communication fostered productive collaboration, allowing team members to stay informed about project progress, challenges, and decisions. It enabled stakeholders to actively participate and provide valuable input, creating a dynamic and engaged project environment. The strategy's emphasis on concise and informative communication contributed to a shared understanding of project goals and objectives, ultimately enhancing coordination and alignment throughout the project lifecycle.

7. The Dominica Plastic Detox Initiative was successfully completed thanks in large part to the implementation of the risk management strategy. Through methodical identification and evaluation of many risks, such as financial, stakeholder, resource, environmental, and regulatory concerns, the project team effectively mitigated possible obstacles. Creating thorough risk responses made ensuring that risk reduction and backup plans were done in an organized manner. The project was able to maximize possibilities and adjust to new obstacles that emerged during the execution phase because of the continuous reevaluation of risks. The project's resilience was greatly increased, interruptions were minimized, and the likelihood of overall success was eventually raised because of the proactive approach to risk management.
8. The effective and thorough approach to procurement that the Procurement Management Plan ensured was crucial to the project's successful completion. The approach ensured high supplier performance and timely resource delivery through regular reviews. The project used a fixed contract method, making use of its well-defined goals and objectives. All vendors agreed on this strategy, which guaranteed not only affordability but also punctual delivery of high-quality goods and services. The project's overall success was aided by the creation of paperwork, which included the modification request form and further streamlined the procurement control procedure.
9. A key factor in the Dominica Plastic Detox Initiative's successful conclusion was the Stakeholder Management Plan. The plan ensured a comprehensive

understanding of the priorities, implications, and participation levels of key stakeholders, including the Government of Dominica, Citizens, Tourism Industry Stakeholders, Environmental Conservation Organizations, and foreign funding institutions. Monthly feedback meetings created an ongoing communication that allowed for real-time adjustments to meet stakeholder expectations and cultivated a dynamic partnership. In addition to quickly resolving issues, this proactive engagement approach fostered a sense of ownership and cooperation among stakeholders. The systematic identification and prioritizing of stakeholders, in conjunction with regular communication, played a crucial role in the project's overall success.

10. The Project Integration Management Plan, which offered an organized method for combining several project management duties, was essential to the project's successful completion. Cross-functional team collaboration and integration were guaranteed by the established protocols. Frequent team meetings that were directed by the integration plan allowed for successful problem solving, open communication, and alignment with the project's goals. The project's foundation was further strengthened with the creation of the project charter and detailed project management plan, which provided all stakeholders with clear expectations and instructions. This comprehensive strategy, which combined strategic collaboration with precise planning, made a major contribution to the project's overall success.

11. The project's successful outcome can be ascribed to the efficient execution of the Sustainable Development Plan. With an emphasis on eco-friendly procedures, this plan made sure the project was in line with long-term sustainability objectives. A crucial part was performed by the incorporation of key performance indicators, like the P5 Impact study. Through highlighting the project's ties to people, the planet, and prosperity, these indicators provided a thorough framework for assessing the project's effectiveness. In addition to guaranteeing environmental responsibility, the Sustainable Development Plan acted as a compass, fostering good effects on the neighborhood, the ecosystem, and general prosperity. The integration of these components enabled a comprehensive and significant project result.

6 RECOMMENDATIONS

1. Addressed to the project management teams and leadership of TNISWM: Create a Project Management Office (PMO) exclusively for TNISWM. By creating a PMO, project-related tasks will be centralized, coordination will improve, and project management processes will be streamlined. It is advised to set aside 5% of the project's total cost for the PMO's establishment and upkeep to make sure that it develops into a strong center for effective project governance.
2. Addressed to the Communication Management team and the social media managers at TNISWM: Use social media to Engage Stakeholders. It is advised to set aside 3% of the project budget for interactive webinars, live sessions, and focused social media campaigns. Frequent updates via these channels will raise public awareness of the Plastic Detox Initiative by 15% while also increasing stakeholder participation.
3. Addressed to the Procurement Management team: Adopt a Comprehensive Sustainable Sourcing Policy. It is suggested to develop and implement a sustainable sourcing policy. Set aside 2% of the purchase money for vendor education regarding eco-friendly practices. The goal of this policy should be to reduce waste and source ethically, which will lower the project's overall environmental impact by 10%.
4. Addressed to the Operations Team: Adopt Biodegradable Materials in Cleaning Efforts. It is suggested that allocating 5% of the cleanup budget to the purchase of biodegradable materials. Find innovative, low-impact materials through research,

demonstrating TNISWM's dedication to sustainability. During cleanup operations, this initiative is anticipated to produce a 20% reduction in plastic waste.

5. Addressed to the Education and Outreach team: Include Augmented Reality (AR) in Learning Initiatives. It is proposed to set aside 4% of the education budget for the creation of augmented reality content. The impact of educational campaigns will be amplified by this investment, resulting in a 15% rise in the efficacy of virtual cleanup initiatives. Furthermore, work together with app developers to guarantee a flawless user experience, which will result in a 25% increase in active user engagement.
6. Addressed to the Project Manager and Finance Department: Launch Programs to Raise Awareness of Plastic Recycling. Give the Community Engagement team a 3% portion of the education budget to be used on programs that raise awareness about recycling. Work together with the communities and schools in the area to spread awareness of the advantages of recycling. Throughout the project's duration, strive for a 30% increase in recycling rates to support a sustainable waste management ecosystem.
7. Addressed to the Finance and Sustainability teams: Establish a Plastic Waste Reduction Fund. Allocate 2% of the project budget to establish a Plastic Waste Reduction Fund. This fund will support innovative projects or initiatives that directly contribute to reducing plastic waste, fostering long-term sustainability. Aim for a 15% reduction in plastic waste through funded initiatives.

8. Addressed to the Project Manager and the Finance Department: Extension of Recycling Infrastructure. As a new proposal, instruct the Resource Management group to set aside $38,800, or 15% of the project's budget, for the purpose of expanding the recycling infrastructure. With this investment, recycling rates will rise by 30%, resulting in a more environmentally friendly waste management system and long-term benefits.

7 VALIDATION OF THE FGP IN THE FIELD OF REGENERATIVE AND SUSTAINABLE DEVELOPMENT

The "Dominica Plastic Detox Initiative," led by The Nature Isle Solid Waste Management (TNISWM), underscores a significant commitment to regenerative and sustainable development in Dominica. This initiative's execution and the operation of its final product profoundly impact the field of sustainable and regenerative development, with a focus on the Sustainable Development Goals (SDGs) and the P5 impact analysis framework.

Relationship and Impact of Project Execution:

1. **Waste Reduction and Mitigation:** The execution of this project involves comprehensive strategies to reduce plastic waste, such as proper waste collection and recycling programs. This immediate and direct action mitigates the detrimental effects of plastic pollution, preserving the environment for future generations. It fosters regenerative development by curbing the harm inflicted on ecosystems and marine life.
2. **Resource Efficiency:** The initiative promotes responsible resource use by recycling plastics and implementing efficient waste management techniques. This not only conserves natural resources but also aligns with sustainable development by reducing the consumption of raw materials and energy.
3. **Community Engagement:** The project's execution involves engaging local communities in waste reduction and environmental awareness efforts. This community involvement is pivotal for regenerative development as it empowers

residents to take ownership of their environment and fosters a culture of sustainability.

Effects of the Project Execution and End Product:

1. **Environmental Regeneration:** The product of the project, including cleaner coastal areas, rivers, and forests, directly favors regenerative development. It rejuvenates ecosystems, enhances biodiversity, and safeguards the natural beauty of Dominica, contributing to sustainable design.
2. **Economic Sustainability:** As the initiative reduces the financial burden associated with plastic waste cleanup and attracts environmentally friendly businesses, it bolsters economic sustainability. By generating income, creating jobs, and enhancing residents' quality of life, it aligns with the principles of sustainable development.
3. **International Recognition:** The project's execution and its successful outcomes boost Dominica's international reputation as an environmentally conscious nation. This recognition attracts partnerships and investments from abroad, further promoting sustainable development goals.

Mitigating Noteworthy Effects:

1. **Short-Term Disruption:** Potential short-term disruptions during project execution, such as construction activities, can be mitigated through clear and timely communication with the community. TNISWM should proactively address concerns and provide information about the project's long-term benefits.

2. **Resource Consumption:** To mitigate resource consumption during execution, TNISWM can prioritize eco-friendly construction materials and sustainable technologies. This ensures that the project aligns with the goal of minimizing environmental impact.
3. **Community Engagement Challenges:** Resistance from some community members can be addressed through tailored outreach and education efforts. TNISWM should employ strategies to dispel misconceptions and demonstrate the initiative's long-term positive impact on the community.

Impact Analysis P5 (People, Planet, Prosperity, Processes, and Products):

1. **People:** The project positively impacts people by reducing health risks associated with plastic pollution and by engaging communities in sustainable practices, promoting well-being.
2. **Planet**: The initiative has a significant positive impact on the planet by reducing plastic pollution, conserving natural resources, and restoring ecosystems.
3. **Prosperity:** It contributes to economic prosperity by reducing cleanup costs, creating jobs, and attracting eco-tourism opportunities, enhancing the prosperity of Dominica.
4. **Processes**: The project introduces efficient waste management processes, optimizing resource use and reducing environmental impact.
5. **Products:** By reducing plastic waste, the initiative promotes the sustainable production of goods, contributing to environmentally responsible product development and consumption.

In conclusion, the Dominica Plastic Detox Initiative aligns with the principles of regenerative and sustainable development, fostering a harmonious relationship between people, planet, prosperity, processes, and products. It not only mitigates the negative impacts of plastic pollution but also sets the stage for a more sustainable and prosperous future for Dominica, in line with the SDGs and the P5 impact analysis framework.

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APPENDICES

Appendix 1: FGP Charter

CHARTER OF THE PROPOSED
FINAL GRADUATION PROJECT (FGP)

1. Student name

Shan Oliver

2. FGP name

Project Management Plan for the Implementation of Dominica Plastic Detox Initiative

3. Application Area (Sector or activity)

Environmental Conservation and Sustainability

4. Student signature

Shan Oliver

5. Name of the Graduation Seminar facilitator

Roger Valverde Jimenez

6. Signature of the facilitator

7. Date of charter approval

8. Project start and finish date

August 29, 2023	March 25, 2024

9. Research question

What are the most effective strategies and approaches that must be included in the project management plan for the implementation of an awareness campaign in Dominica?

10. Research hypothesis

Is it possible to develop a project management plan for the implementation of an awareness campaign in Dominica with the most effective strategies and approaches?

11. General objective

To prepare a project management plan for the implementation of a plastic awareness campaign in Dominica

12. Specific objectives

1. To create a Scope Management Plan that clearly outlines all the work necessary for the project and just the tasks essential to its success.
2. To develop the Schedule Management Plan that will outline the process to be used to manage the project so that it is finished on time.
3. To formulate a cost management strategy that will enable the administration of project finances in order to keep costs down.
4. To develop a quality management strategy for project quality management and control.
5. To create a resource management strategy that will make it easier to complete project work by guaranteeing that the relevant resources are on hand when they are needed.
6. To develop a communication management strategy that makes sure the project team and stakeholders are informed about all that is important for

productive collaboration.

7. To formulate a risk management strategy that increases the likelihood that the project will succeed by reducing potential risks and maximizing the benefits of any positive risks.
8. To develop a Procurement Management Plan to control the acquisition of items, services, or outcomes required for the project's successful completion.
9. To create a product that adds value for people affected by the project, a Stakeholder Management Plan must be designed that enables the identification and management of stakeholders who will be affected by the project.
10. To develop a project Integration Management Plan that defines the procedures for coordinating the various project management tasks.
11. To prepare a Sustainable Development Plan to evaluate how the project's outcome will affect regenerative and sustainable development.

13. FGP purpose or justification

A significant initiative to address the urgent problem of plastic pollution in the country of Dominica is the Dominica Plastic Detox Initiative. Given the huge and well-documented negative consequences of plastic pollution on the environment, public health, and economy, the significance of this effort cannot be emphasized. Recent studies show that Dominica generates tons of plastic garbage annually, which has

negative effects such as contaminating the natural environments, harming marine life, and releasing toxic compounds into the ecosystems. This initiative is essential because it will offer a comprehensive and regional response to this pressing problem.

The financial cost of plastic pollution is clear in numbers. Dominica faces significant expenses every year for cleaning up plastic waste and losing out on tourists because of the degradation of the precious nature. The author anticipates a large decrease in these expenses by putting the Dominica Plastic Detox Initiative into action, potentially saving the country millions of dollars every year. Additionally, the initiative will open new economic prospects for environmentally friendly companies, producing cash and jobs while also improving the inhabitants' quality of life.

The initiative is crucial because it supports international sustainability pledges and goals. Dominica's international standing as a responsible and eco-aware nation will be enhanced by the involvement in this national plastic awareness campaign. This would help the country become more resilient and sustainable over the long run-in addition to bringing in partnerships and investments from abroad. In conclusion, the Dominica Plastic Detox Initiative is an important initiative that will reduce the negative consequences of plastic pollution, generate significant economic advantages, and establish the country as a pioneer in environmental stewardship on a global scale.

14. Work Breakdown Structure (WBS). In table form, describing the main deliverable as well as secondary, products or services to be created by the FGP.

1. FGP
    1.1 FGP Deliverables
        1.1.1 Week 1
        1.1.1.1 Charter
        1.1.2 Week 2
        1.1.2.1 Charter
        1.1.2.2 WBS
        1.1.3 Week 3
        1.1.3.1 Charter
        1.1.4 Week 4
        1.1.4.1 Chapter II: Theological Framework
        1.1.5 Week 5
        1.1.5.1 Chapter III Methodological Framework
        1.1.6 Week 6
        1.1.6.1 Chapter I: Introduction
        1.1.6.2 Chapter VII: Project Validation
        1.1.6.3 Schedule
        1.1.6.4 Charter
        1.1.7 Week 7
        1.1.7.1 Executive Summary
        1.1.7.2 Abstract
2. Tutoring Process
    2.1 Tutor
        2.1.1 Tutor Assignment
        2.1.2 Communication
    2.2 Adjustments of Previous Chapter (If Needed)
    2.3 Chapter IV. Development (Results)
        2.3.1 Integration Management Plan
        2.3.2 Scope Management Plan
        2.3.3 Schedule Management Plan
        2.3.4 Cost Management Plan
        2.3.5 Quality Management Plan
        2.3.6 Resource Management Plan
        2.3.7 Risk Management Plan
        2.3.8 Procurement Management Plan
        2.3.9 Stakeholder Management Plan
        2.3.10 Communication Management Plan
        2.3.11 Sustainable Development Plan
    2.4 Chapter V: Conclusions
    2.5 Recommendations

3. Reading by Reviewers
3.1Reviewers Assignments
3.1.1 Assignment of Two
3.1.2 Communication
3.1.3 FGP Submission to Reviewers
3.2 Reviewers Work
3.2.1 Reviewer 1
3.2.2.1 FGP Reading
3.2.2.2 Reader 1 Report
3.2.2 Reviewer 2
3.2.1.1 FGP Reading
3.2.2 Reader 2 Report
4. Adjustments and Modifications
4.1 Reports for Reviewers
4.2 FGP Update
4.3 Second Review by Reviewers
5 Presentation of Board Examiners
5.1 Final Review by Board
5.2 FGP Grade Report

15. FGP budget

Item	Description	Cost USD$
Software Licenses	Software licenses for project management tools, document editing software, and data analysis software.	$2,500
Hardware	Purchase or upgrade of computer hardware, including laptops and storage devices.	$3,000
Data Collection and Analysis	Costs related to data collection, surveys, and analysis tools.	$4,000
Research and Publications	Expenses for access to research materials, journals, publications, and relevant books.	$1,500
Printing and Documentation	Costs for printing drafts, project charters, reports, and other project documentation.	$1,000
Travel Expenses	Budget for attending conferences, workshops, or meetings related to the project.	$5,000

Interviews and Focus Groups	Expenses related to conducting interviews and focus groups, including travel, facilitator fees, and participant compensation.	$6,000
Consultation Fees	Fees for subject matter experts or consultants who may provide guidance during the project.	$3,500
Training and Workshops	Costs associated with training sessions or workshops for project team members.	$2,000
Miscellaneous Expenses	Budget for unforeseen or miscellaneous expenses during the project development.	$2,000
	Total Estimated Budget for FGP:	**$28,000**

16. FGP planning and development assumptions

1. Researcher time for the FGP will be at least 15 hours per week during the FGP development process.

2. It is anticipated that important parties, such as governmental bodies, environmental nonprofits, and regional communities, will be eager to actively collaborate and take part in the Plastic Detox Initiative. Their participation is crucial for gathering data, running awareness initiatives, and working together. The accuracy of this assumption will be verified as the project develops.

3. It is assumed that pertinent information about Dominica's environmental effect, waste management, and plastic pollution is easily accessible or can be gathered quickly. Any unexpected issues with data quality or availability will be resolved as they develop.

4. It is anticipated that the public will support and actively participate in cleanup drives, educational workshops, and awareness campaigns aimed at raising awareness of plastic pollution. Although the success of the effort depends on this supposition, public opinion can shift over time.

5. It is assumed that the Plastic Detox Initiative will not encounter any unforeseen legal or regulatory obstacles. This includes securing the required licenses and consents for occasions and activities. Unexpected legal restrictions will be addressed as they are found.

17. FGP constraints

1. The project is constrained by a defined timeframe of five months for FGP development. To make sure that all project components are effectively addressed within the allocated time, this limitation must be controlled carefully.

2. The amount of money that can be used to create FGP is constrained by a budget restriction. The scope of the project's research, data gathering, and stakeholder engagement activities may be impacted by this restriction.

3. The FGP must adhere to the parameters set forth in the project charter. During the FGP development process, any modifications or additions to the scope will be regarded as limitations and necessitate official change requests and approvals.

4. High requirements must be met by the FGP in terms of its professionalism, clarity, and content. The problem of maintaining the document's quality while working within the parameters of time and money would require careful management.

18. FGP development risks

1. Delays in Data Collection

   Root Cause: It is challenging to find precise information about Dominica's environmental impact, recycling rates, and plastic pollution.

   Impact on FGP: Delays in data collecting could cause planning and content development for the FGP to be interrupted, which could compromise the document's accuracy and thoroughness.

2. Stakeholders' Turning Away

   Root Cause: A reduction in stakeholder involvement or interest brought on by unexpected events or shifting priorities.

   Impact on FGP: A decline in stakeholder participation may reduce the availability of crucial data and insights needed for the FGP, which could result in incomplete or ineffective project plans.

3. Resource Limitations

   Root Cause: Unforeseen restrictions on the resources' availability, such as lack of access to specialized software, research materials, or technological know-how, are the main cause.

   Impact on FGP: Due to a lack of resources, some FGP parts may not be fully developed, which will reduce the document's overall quality and thoroughness.

4. Sight Creep

   Changes in the project's scope or extra requirements that are not properly handled or recorded are the root cause.

   Impact on FGP: As a result of increased workload, additional research, and analysis, scope creep could result in budget overruns and development delays for the FGP.

19. FGP main milestones

Deliverable	Finish estimated date
1.1.1 Deliverable 1	September 4, 2023
1.1.2 Deliverable 2	September 11, 2023
1.1.3 Deliverable 3	September 18, 2023
1.1.4 Deliverable 4	September 25, 2023
1.1.5 Deliverable 5	October 2, 2023
1.1.6 Deliverable 6	October 9, 2023
1.1.7 Deliverable 7	October 16, 2023
1.2 Graduation Seminar Approval	October 23, 2023
2 Tutoring Process	January 30, 2024
2.1 Tutor	October 26, 2023
2.2 Adjustments of Previous Chapter (If needed)	November 2, 2023
2.3 Chapter IV: Development (Results)	January 16, 2024
2.4 Chapter V: Conclusions	January 23, 2024
2.5 Recommendations	January 30, 2024
3 Reading by Reviewers	February 20, 2024
3.1 Reviewers Assignment	February 6, 2024
3.2 Reviewers Work	February 20, 2024
4 Adjustments	March 19,2024
4.1 Report from Reviewers	March 4,2024
4.2 FGP Update	March 5,2024
4.3 Second Review by Reviewers	March 19,2024
5 Presentation to the Board of Examiners	March 26, 2024
5.1 Final Review by Board	March 21, 2024
5.2 FGP Grade Report	March 26, 2024

20. Theoretical framework

20.1 Estate of the “matter”

Dominica, renowned as the "Nature Isle of the Caribbean," faces a pressing environmental challenge: plastic pollution. Plastic waste, from single-use items to packaging materials, increasingly mars the island's pristine landscapes, endangering ecosystems, and communities alike. This problem, documented by organizations

like the United Nations Environment Programme, demands urgent action. While Dominica has made efforts in waste collection and landfill disposal, they are proving inadequate. The "Dominica Plastic Detox Initiative" seeks to tackle this issue comprehensively by implementing waste management strategies, raising public awareness, engaging communities, and ensuring regulatory compliance. The expected outcomes include reduced plastic waste, higher recycling rates, increased awareness, community empowerment, and improved environmental well-being. Drawing from global research and best practices, this initiative aims to safeguard Dominica's natural beauty and promote sustainable waste management.

20.2 Basic conceptual framework

Plastic pollution, waste management, environmental awareness, community engagement, regulatory compliance, stakeholder engagement, sustainability, project management, regenerative development, circular economy, life cycle assessment (LCA), environmental ethics, extended producer responsibility (EPR), green project management, doughnut economy, educational workshops, and environmental impact assessments.

21. Methodological framework

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
To create the Scope Management Plan, this	Scope Management	Surveys and Questionnaires,	Qualitative, Quantitative	Expert Judgment, Data Analysis,	Scope definition may be impacted by

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
will clearly detail all work necessary for the project and just that work that will be essential to its success.	Plan	Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	and Mixed	Meetings, Scope Management Plan Template, Requirements Traceability Matrix, Work Breakdown Structure and Work Breakdown Structure Dictionary	the organizational structure of the project sponsors and the lack of information from stakeholders.
To create a Schedule Management Plan that outlines the project management strategy that will be used to manage the project for a timely completion.	Schedule Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and	Qualitative, Quantitative and Mixed	Expert Judgment, Data Analysis Meetings, Activity List, MS Projects, and Schedule Management Plan Template	The availability of volunteer manpower for various project activities.

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
		Project documents of past similar projects.			
To develop a Cost Management Plan that would enable project funding to be managed to finish the project under budget.	Cost Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	Qualitative, Quantitative and Mixed	Expert Judgment, Data Analysis, Meetings, Bottom – Up Estimation, and Cost Management Plan Template	The availability of financial resources. TNISWM may have limited funding or budgetary constraints for the Dominica Plastic Detox Initiative.
To create a Quality Management Plan for the project to manage and regulate quality.	Quality Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information,	Qualitative, Quantitative and Mixed	Expert Judgment, Data gathering, Data analysis, Decision making, Data representation, Test and inspection planning, Meetings, Quality Activities Matrix Template and Quality Management Plan Template	Limited budget for quality control measures.

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
		PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.			
To create a Resource Management Plan that will make it easier to complete project tasks by ensuring that the required resources are on hand when they are needed.	Resource Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	Qualitative, Quantitative and Mixed	Expert Judgment, Data representation, Organizational Theory, Meetings, and Resource Management Plan Template	There may be limitations in the availability of skilled labor and specialized expertise in waste management and environmental sustainability in Dominica.
To establish a Communication Management Plan that makes sure all project team members and stakeholders have access to the data they require	Communication Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation,	Qualitative, Quantitative and Mixed	Expert Judgment, Communication requirements analysis, Communication technology, Communication	Limited access to technology and infrastructure in certain remote areas of Dominica where plastic pollution is a significant concern.

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
for productive cooperation.		Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.		models, Communication methods, Interpersonal and team skills, Data representation, Meetings, and Communication Management Plan Template	
To formulate a Risk Management Plan that increases the likelihood that the project will succeed by reducing potential risks and maximizing the impact of positive risks.	Risk Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	Qualitative, Quantitative and Mixed	Expert Judgment, Data Analysis, Meetings, Risk Register Template, and Risk Management Plan Template	Availability of financial resources
To develop a	Procurement	Surveys and	Qualitative,	Expert Judgment,	Budgetary

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
Procurement Management Plan to control the acquisition of goods, services, or outcomes required for the project's successful completion.	Management Plan	Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	Quantitative and Mixed	Data gathering, Data analysis, Source selection analysis, Meetings, and Procurement Management Plan Template	limitations
To create a Stakeholder Management Plan that enables the management of stakeholders impacted by the project and their identification to generate a final product that offers value for those affected.	Stakeholder Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government	Qualitative, Quantitative and Mixed	Expert Judgment, Data gathering, Data analysis, Data representation, Meetings, Stakeholder Register Template, Stakeholder Assessment Matrix, and Stakeholder Management Plan Template	The availability of limited financial resources for stakeholder engagement activities.

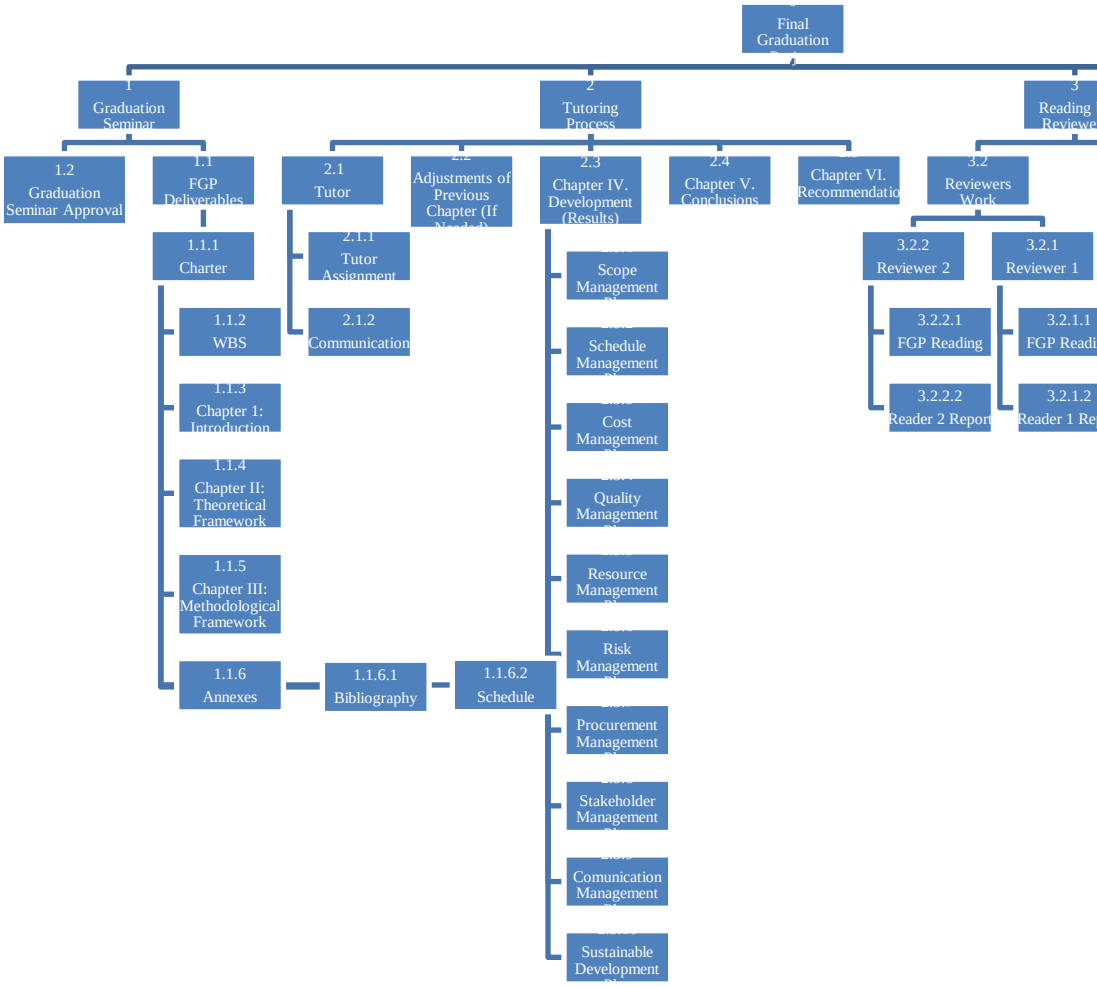
Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
		Documents, and Project documents of past similar projects.			
To construct an Integration Management Plan that specifies the procedures for coordinating the many project management tasks inside the project.	Integration Management Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.	Qualitative, Quantitative and Mixed	Expert Judgment, Data gathering, Data analysis, Data representation, Meetings, Interpersonal and team skills, Integration Management Plan Template and Project management information system	Budget limitations.
To prepare a Sustainable Development Plan to evaluate how the project's outcome would affect future regenerative and sustainable development.	Sustainable Development Plan	Surveys and Questionnaires, Field Observations, Interviews and Project Documentation, Lecture Notes, Conference Papers, Journals and Historical data and	Qualitative, Quantitative and Mixed	Expert Judgment, Sustainable Management Plan Template, Data gathering, Data analysis, P5 Impact Analysis and Meetings	Limited financial resources.

Objective	Name of deliverable	Information sources	Research method	Tools	Restrictions
		information, PMBOK Guide, 7th Edition, 2021, PMBOK Guide, 6th Edition, 2017, Government Documents, and Project documents of past similar projects.			

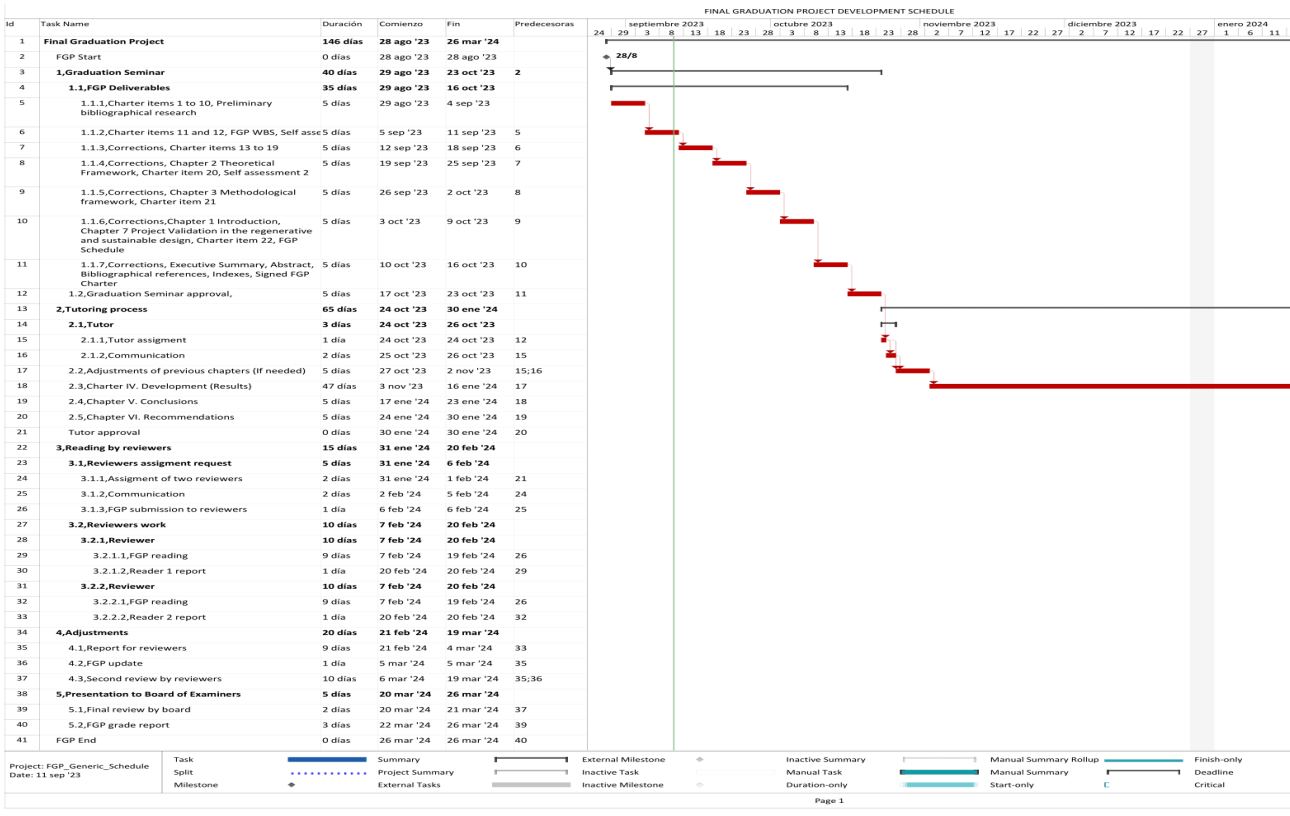
22. Validation of the work in the field of the regenerative and sustainable development.

The execution of the "Dominica Plastic Detox Initiative" by The Nature Isle Solid Waste Management has a multifaceted impact on regenerative and sustainable development. It involves comprehensive strategies for waste reduction and recycling, directly mitigating the harmful effects of plastic pollution on ecosystems and marine life, fostering environmental regeneration. The initiative promotes resource efficiency by recycling plastics and engaging communities, aligning with sustainable development goals. The product, including cleaner environments and economic sustainability through reduced cleanup costs and job creation, enhances Dominica's international reputation, attracting investments. Challenges such as short-term disruptions and resource consumption can be mitigated through effective communication and eco-friendly materials, while community engagement challenges can be addressed through tailored outreach and education efforts.

Appendix 2: FGP WBS



Appendix 3: FGP Schedule



Id	Task Name	Duración	Comienzo	Fin	Predecesoras
1	**Final Graduation Project**	**146 días**	**28 ago '23**	**26 mar '24**	
2	FGP Start	0 días	28 ago '23	28 ago '23	
3	**1,Graduation Seminar**	**40 días**	**29 ago '23**	**23 oct '23**	**2**
4	**1.1,FGP Deliverables**	**35 días**	**29 ago '23**	**16 oct '23**	
5	1.1.1,Charter items 1 to 10, Preliminary bibliographical research	5 días	29 ago '23	4 sep '23	
6	1.1.2,Charter items 11 and 12, FGP WBS, Self asse	5 días	5 sep '23	11 sep '23	5
7	1.1.3,Corrections, Charter items 13 to 19	5 días	12 sep '23	18 sep '23	6
8	1.1.4,Corrections, Chapter 2 Theoretical Framework, Charter item 20, Self assessment 2	5 días	19 sep '23	25 sep '23	7
9	1.1.5,Corrections, Chapter 3 Methodological framework, Charter item 21	5 días	26 sep '23	2 oct '23	8
10	1.1.6,Corrections,Chapter 1 Introduction, Chapter 7 Project Validation in the regenerative and sustainable design, Charter item 22, FGP Schedule	5 días	3 oct '23	9 oct '23	9
11	1.1.7,Corrections, Executive Summary, Abstract, Bibliographical references, Indexes, Signed FGP Charter	5 días	10 oct '23	16 oct '23	10
12	1.2,Graduation Seminar approval,	5 días	17 oct '23	23 oct '23	11
13	**2,Tutoring process**	**65 días**	**24 oct '23**	**30 ene '24**	
14	**2.1,Tutor**	**3 días**	**24 oct '23**	**26 oct '23**	
15	2.1.1,Tutor assigment	1 día	24 oct '23	24 oct '23	12
16	2.1.2,Communication	2 días	25 oct '23	26 oct '23	15
17	2.2,Adjustments of previous chapters (If needed)	5 días	27 oct '23	2 nov '23	15;16
18	2.3,Charter IV. Development (Results)	47 días	3 nov '23	16 ene '24	17
19	2.4,Chapter V. Conclusions	5 días	17 ene '24	23 ene '24	18
20	2.5,Chapter VI. Recommendations	5 días	24 ene '24	30 ene '24	19
21	Tutor approval	0 días	30 ene '24	30 ene '24	20
22	**3,Reading by reviewers**	**15 días**	**31 ene '24**	**20 feb '24**	
23	**3.1,Reviewers assigment request**	**5 días**	**31 ene '24**	**6 feb '24**	
24	3.1.1,Assigment of two reviewers	2 días	31 ene '24	1 feb '24	21
25	3.1.2,Communication	2 días	2 feb '24	5 feb '24	24
26	3.1.3,FGP submission to reviewers	1 día	6 feb '24	6 feb '24	25
27	**3.2,Reviewers work**	**10 días**	**7 feb '24**	**20 feb '24**	
28	**3.2.1,Reviewer**	**10 días**	**7 feb '24**	**20 feb '24**	
29	3.2.1.1,FGP reading	9 días	7 feb '24	19 feb '24	26
30	3.2.1.2,Reader 1 report	1 día	20 feb '24	20 feb '24	29
31	**3.2.2,Reviewer**	**10 días**	**7 feb '24**	**20 feb '24**	
32	3.2.2.1,FGP reading	9 días	7 feb '24	19 feb '24	26
33	3.2.2.2,Reader 2 report	1 día	20 feb '24	20 feb '24	32
34	**4,Adjustments**	**20 días**	**21 feb '24**	**19 mar '24**	
35	4.1,Report for reviewers	9 días	21 feb '24	4 mar '24	33
36	4.2,FGP update	1 día	5 mar '24	5 mar '24	35
37	4.3,Second review by reviewers	10 días	6 mar '24	19 mar '24	35;36
38	**5,Presentation to Board of Examiners**	**5 días**	**20 mar '24**	**26 mar '24**	
39	5.1,Final review by board	2 días	20 mar '24	21 mar '24	37
40	5.2,FGP grade report	3 días	22 mar '24	26 mar '24	39
41	FGP End	0 días	26 mar '24	26 mar '24	40

Appendix 4: Preliminary bibliographical research

Admin. (2019, July 5). *Single-use plastic bags to be banned effective 2020 - Dominica News Online*. Dominica News Online. https://dominicanewsonline.com/news/homepage/news/single-use-plastic-bags-to-be-banned-effective-2020/

Reason: The project was built using the cited Dominica News Online (DNO) article since it contains significant data that is directly relevant to the objectives of the effort. The Prime Minister's commitment to encourage the use of reusable shopping bags is highlighted in the article along with the government's determination to outlaw single-use plastic bags beginning in 2020. This information is consistent with the project's goal of promoting sustainable behaviors and increasing public awareness of the effects of plastic pollution on the ecosystem. The campaign's objectives of plastic cleaning and promoting responsible plastic use are reflected in the article's emphasis on minimizing plastic waste and promoting biodegradable goods. Further supporting the project's goal of fostering environmental stewardship is the Prime Minister's emphasis on the value of maintaining and conserving natural resources.

2.

Buchholz, K. (2021, July 2). The countries banning plastic bags. *Statista Daily Data*. https://www.statista.com/chart/14120/the-countries-banning-plastic-bags/

Reason: The article includes details on the widespread movement to ban plastic bags. With the use of this knowledge, the Dominican people can be persuaded to support a ban on plastic bags and become more conscious of the issue of plastic pollution. The article

also covers several plastic bag bans that have been put into place around the globe, which can be used to influence conversations about the best course of action for Dominica.

3.

Dominica's forgotten war on plastics. (n.d.). The Sun. http://sundominica.com/articles/dominicas-forgotten-war-on-plastics-6268/

Reason: This article offers a practical illustration of the problems and challenges encountered when trying to reduce plastic pollution through legislative reforms. In this regard, the article points out that Dominica initially announced a ban on ordinary plastic and Styrofoam single-use food containers as part of its broader objective to become the first climate-resilient country in the world. This was an ambitious move. It also draws attention to the ineffective enforcement of the law and the difficulties that businesses and environmentalists have in putting the prohibition into practice. The project can highlight the significance of efficient implementation and enforcement strategies in plastic reduction initiatives by citing this article. It can also highlight the need for awareness campaigns like the "Dominica Plastic Detox Initiative" to address these issues and encourage responsible plastic usage.

4.

Dominica, G. (n.d.). *ZERO PERCENT duty on the importation of reusable shopping bags with immediate effect.* GIS Dominica. https://news.gov.dm/news/4629-zero-percent-duty-on-the-importation-of-reusable-shopping-bags-with-immediate-effect

Reason: Regarding the government's dedication to eliminating plastic pollution and fostering sustainability in Dominica, the chosen bibliography reference offers insightful

information. The source describes the specific actions taken by the Dominican government, such as the outlawing of single-use plastics and Styrofoam as well as the imposition of a 0% import fee on reusable shopping bags and biodegradable substitutes. This data is consistent with the initiative's aim to coordinate a national campaign for plastic cleaning and awareness, which is to increase public awareness of plastic pollution. It illustrates the surrounding circumstances and legislative modifications that offer a solid framework for the implementation and accomplishment of the campaign.

5.

Plastic pollution. (n.d.). UNEP - UN Environment Programme. https://www.unep.org/plastic-pollution#:~:text=Plastic%20pollution%20can%20alter%20habitats,capabilities%20and%20social%20well%2Dbeing.

Reason: The United Nations Environment Programme (UNEP) reference was chosen for the project because of its thorough and reliable insights on the global problem of plastic pollution. The source offers worrying figures that demonstrate the severity of the issue and illustrate how urgent it is to solve plastic pollution in lakes, rivers, and seas. With a focus on its effects on habitats, natural processes, and even livelihoods, the evidence given highlights the extensive impact of plastic pollution on aquatic ecosystems. The reference also highlights how plastic pollution is tied to other environmental stressors, which is consistent with the project's all-encompassing strategy for tackling the problem.

6.

The plastic pollution crisis. (n.d.). IUCN. https://www.iucn.org/story/202207/plastic-pollution-crisis

Reason: The project is supported by this reference since it emphasizes the extensive magnitude of the plastic pollution issue. It underlines the need for a comprehensive strategy that considers the full plastics life cycle of plastics, from conception and production to use and disposal. This is in line with the campaign's objective of increasing awareness and encouraging action to combat plastic pollution from a variety of aspects, including consumer behavior, law, waste management, and cross-sector cooperation.

7.

Project Management Institute. (2021). A Guide to the Project Management Body of Knowledge, (PMBOK® Guide) - Seventh Edition, Project Management Institute, Inc.

Reason: The Project Management Institute's A Guide to the Project Management Body of Knowledge (PMBOK® Guide) is a comprehensive resource that provides guidance on all aspects of project management. This includes project planning, execution, monitoring, and control. The PMBOK® Guide can be used to help ensure that the Dominica Plastic Detox Initiative is well-planned and executed, which will increase the likelihood of its success.

8.

Single-Use Plastics 101. (2020, January 9). https://www.nrdc.org/stories/single-use-plastics-101#avoid

Reason: The article offers a list of doable suggestions for refraining from using single-use plastics on a regular basis. People can apply these suggestions to lessen their plastic consumption and improve the environment.

9.

Street, F. (2018, August 10). Caribbean island of Dominica bans plastic and Styrofoam. CNN. https://edition.cnn.com/travel/article/dominica-plastic-ban/index.html

Reason: In addition to being a very reliable source, CNN was picked as the reference for the project because it demonstrates Dominica's steadfast dedication to combating plastic pollution and advancing environmental sustainability. The article highlights Dominica's bold initiative to outlaw common plastics and single-use Styrofoam products, which reflects the government's commitment to protecting its natural environment and becoming the first climate-resilient country in the world. This example also offers important background for the project's focus on plastic cleanup and awareness because it shows how the Dominican Republic is taking a proactive approach to addressing the problem of plastic pollution and because it corresponds with the goals of the "Dominica Plastic Detox Initiative."

10.

The Negative Effects of Plastic On The Environment. (2022, September 1). https://www.vanellagroupmn.com/the-negative-effects-of-plastic-on-the-environment

Reason: The detrimental impacts of plastic on the environment, from its production to its disposal, are succinctly summarized in the article. This information can encourage people to use less plastic and raise awareness of the problem of plastic pollution. The essay

also discusses some of the ways that plastic can affect animals in an effort to encourage readers to take action to protect marine life.

11. Project Management Institute. (2017). A guide to the Project Management Body of Knowledge (PMBOK guide) (6th ed.). Project Management Institute.

    Reason: Include vital information that PMI 7th edition does not have such as the diagram of the knowledge areas.

12. LISedunetwork & LISedunetwork. (2022). Sources of information. *Library & Information Science Education Network*. https://www.lisedunetwork.com/sources-of-information/

    Reason: To obtain the meaning of information sources

13. *Research Guides: Primary Sources: A Research Guide: Primary vs. Secondary*. (n.d.). https://umb.libguides.com/PrimarySources/secondary

    Reason: To obtain the meaning of primary and secondary sources

14. *LibGuides: Research Methods: What are research methods?* (n.d.). https://libguides.newcastle.edu.au/researchmethods

    Reason: To obtain the meaning of research methods and its other methods

Appendix 5: Project Management Plan Tracker

Document ID	Document Name	Date	Version
120	Scope Management Plan	March 15, 2024	1.0
121	Schedule Management Plan	March 15, 2024	1.0
122	Cost Management Plan	March 15, 2024	1.0
123	Resource Management Plan	March 15, 2024	1.0
124	Integration Management Plan	March 15, 2024	1.0
125	Communication Management Plan	March 15, 2024	1.0
126	Risk Management Plan	March 15, 2024	1.0
127	Schedule Management Plan	March 15, 2024	1.0
128	Quality Management Plan	March 15, 2024	1.0
129	Procurement Management Plan	December 2, 2023	1.0
1210	Sustainable Management Plan	December 13, 2023	1.0
1211	Project Charter	February 2, 2024	1.0
1212	Risk Register	October 7, 2023	1.0
1213	Monthly Reports	February 2, 2024	1.0
1214	Change Request Forms	October 31, 2023	1.0

Appendix 6: Late Task and Tasks Starting Soon

Late Task

Deliverable	Start	Finish	% Completed	Resources Names	Approved by

Tasks Starting Soon

Deliverable	Start	Finish	Resource Name	Approved by

Appendix 7: Change Control

Version	Issue	Date	Changes

Appendix 8: Approvals

Role	Name	Signature	Date

Appendix 9: Certificate of Review

ANGELA D. BELLO RUIZ

CERTIFIED ENGLISH TEACHER

Date 13/1/2024

Academic Advisor
Masters Degree in Project Management (MPM)
Universidad para la Cooperacion Internacional (UCI)

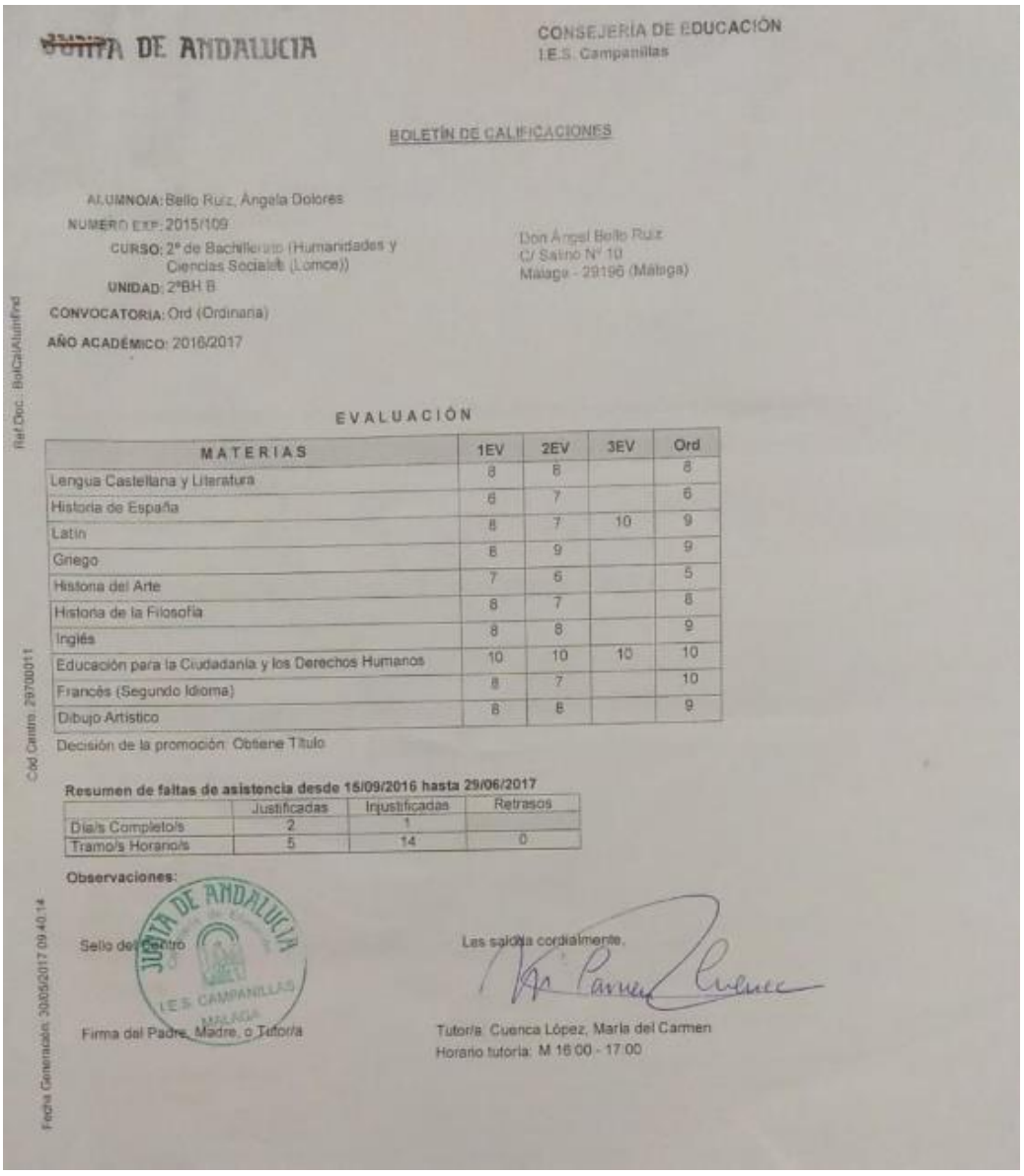
Dear Academic Advisor,

Re: **Through Review and Proofreading of Final Graduation Project submitted by Shan Oliver in partial fulfillment of the requirements for the Masters in Project Management (MPM) Degree**

I hereby confirm that Shan Oliver has made all of the corrections to the Final Graduation Project document as I have advised. In my opinion, the document does now meet the literary and linguistic standards expected of a student for a degree at the Masters level.

Ángela D. Bello Ruiz
Certified English Teacher

Appendix 10: Linguistic Credentials



JUNTA DE ANDALUCIA

CONSEJERÍA DE EDUCACIÓN
I.E.S. Campanillas

BOLETÍN DE CALIFICACIONES

ALUMNO/A: Bello Ruiz, Ángela Dolores
NUMERO EXP: 2015/109
CURSO: 2º de Bachillerato (Humanidades y Ciencias Sociales (Lomce))
UNIDAD: 2ºBH B
CONVOCATORIA: Ord (Ordinaria)
AÑO ACADÉMICO: 2016/2017

Don Ángel Bello Ruiz
C/ Salino Nº 10
Málaga - 29196 (Málaga)

Ref.Doc.: BolCalAlumFmd

Cod.Centro: 29700011

EVALUACIÓN

MATERIAS	1EV	2EV	3EV	Ord
Lengua Castellana y Literatura	8	8		8
Historia de España	6	7		6
Latín	8	7	10	9
Griego	8	9		9
Historia del Arte	7	6		5
Historia de la Filosofía	8	7		8
Inglés	8	8		9
Educación para la Ciudadanía y los Derechos Humanos	10	10	10	10
Francés (Segundo Idioma)	8	7		10
Dibujo Artístico	8	8		9

Decisión de la promoción: Obtiene Título

Resumen de faltas de asistencia desde 15/09/2016 hasta 29/06/2017

	Justificadas	Injustificadas	Retrasos
Día/s Completo/s	2	1	
Tramo/s Horario/s	5	14	0

Observaciones:

Sello del Centro

JUNTA DE ANDALUCIA I.E.S. CAMPANILLAS MÁLAGA

Las saluda cordialmente.

Ma Carmen Cuenca

Firma del Padre, Madre, o Tutor/a

Tutor/a: Cuenca López, María del Carmen
Horario tutoría: M 16:00 - 17:00

Fecha Generación: 30/05/2017 09:40:14

Felipe VI, Rey de España

y en su nombre

El Rector de la Universidad de Málaga

Considerando que, conforme a las disposiciones y circunstancias previstas por la legislación vigente,

Doña Ángela Dolores Bello Ruiz

nacida el día 3 de febrero de 1999 en Málaga, de nacionalidad española,

ha superado en febrero de 2023, los estudios universitarios oficiales conducentes al título universitario oficial de

Graduada en Estudios Ingleses

por la Universidad de Málaga

establecido por Acuerdo del Consejo de Ministros de 1 de octubre de 2010, expide el presente título oficial con validez en todo el territorio nacional, que faculta a la interesada para disfrutar los derechos que a este título otorgan las disposiciones vigentes.

Dado en Málaga, a 31 de marzo de 2023

La interesada, — Ángela Dolores Bello Ruiz

El Rector, — José Ángel Narváez Bueno

El Jefe de la Sección de Títulos, — Pedro Gutiérrez Martín

011A-079551

Registro Nacional de Títulos	Código de CENTRO	Registro Universitario de Títulos
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Expedientes: 102601615-Graduado/a en Estudios Ingleses. Plan 2010 (Cerrado)

MIS CURSOS - ASIGNATURAS

Curso Acad. 2021/22

Al hacer clic en la asignatura puede obtener la información de la programación docente.

Asignaturas

Asignatura	Procedencia	Créditos	Curso/Sem.	Curso	Conv.	Grupo	Nota
[redacted]	Matriculación ordinaria	6 - Optativa	[redacted]			A Inglés	[redacted]
[redacted]	Matriculación ordinaria	6 - Optativa	4 - 1º semestre	2021/22	2ª Ordinaria	A Inglés	[redacted]
[redacted]	Matriculación ordinaria	6 - Optativa	4 - 1º semestre	2021/22	Eval.Compensat.	A Inglés	[redacted]
[redacted]	Matriculación ordinaria	6 - Optativa	4 - 2º semestre	2021/22	1ª Ordinaria	A	Sobresaliente (9.7)
[redacted]	Matriculación ordinaria	6 - Trabajo fin de estudios	4 - 2º semestre	2021/22	1ª Ordinaria	A	[redacted]
415 Trabajo Fin de Grado (Estudios Ingleses)	Matriculación ordinaria	6 - Trabajo fin de estudios	4 - 2º semestre	2021/22	2ª Ordinaria	A	Sobresaliente (9)

UNIVERSIDAD NEBRIJA

ANGELA DOLORES BELLO RUIZ
CL LANGREO 8
33510 SIERO
ASTURIAS

Campus Princesa, a 12 de julio de 2023

Estimado/a ANGELA DOLORES:

Tengo el placer de ponerme en contacto con usted para comunicarle que la **Comisión de Admisiones** de la Universidad, una vez evaluada su documentación académica y los resultados de las pruebas de selección de estudiantes, ha resuelto **ADMITIR** su candidatura para cursar durante el año académico 2023-2024 el **siguiente programa de Postgrado:**

MUFPE0 **MÁSTER UNIVERSITARIO EN FORMACIÓN DEL PROFESORADO DE EDUCACIÓN SECUNDARIA OBLIGATORIA Y BACHILLERATO, FORMACIÓN PROFESIONAL Y ENSEÑANZA DE IDIOMAS**

A continuación, le indicamos los pasos que deberá seguir para cursar sus estudios en la Universidad Nebrija en el curso 2023-2024:

1. **RESERVA DE PLAZA.** Abono de la tasa correspondiente que le garantizan una plaza en la titulación/combinación de titulaciones en la que ha sido admitido en la Universidad Nebrija para el curso 2023-2024.

2. **Formalización de la PREMATRÍCULA.** Una vez disponga de la documentación que acredite su acceso a la Universidad deberá formalizar la matrícula económica abonando la totalidad de la tasa.

3. **MATRÍCULA ACADÉMICA PARA EL CURSO 2023-2024**. Una vez realizado el abono de la prematrícula, debes formalizar la matrícula académica a través del portal de servicios. El proceso de matriculación queda supeditado a la acreditación del cumplimiento de los requisitos de acceso a la Universidad establecidos legalmente y según la normativa interna de la Universidad Antonio de Nebrija

La Universidad le mantendrá una **plaza reservada en el estudio en el que ha sido admitido/a durante 2 días desde que se le comunicó la admisión**. Pasados estos 2 días, en caso de no haberse formalizado la reserva de plaza, la Universidad podrá hacer uso de la misma para otros candidatos admitidos. Dicha reserva quedaría invalidada al alcanzar el cupo máximo de plazas oficiales en la titulación referida.
En todo caso, la superación de las distintas pruebas de admisión tendrá un carácter condicional a la superación del cumplimiento de los requisitos legales de acceso en el caso que aún no hayan sido superados, por lo que para poder formalizar la matrícula deberás aportar toda la documentación que acredite su cumplimiento.

Reciba nuestra más sincera enhorabuena.

Atentamente,

UNIVERSIDAD NEBRIJA

NOTA:

La Universidad Nebrija reintegrará el importe de los derechos de inscripción y/o matrícula a aquellos candidatos admitidos condicionalmente que hubieran realizado el pago y que, finalmente, no hubieran superado los requisitos oficiales de admisión en la universidad española. Esta devolución se producirá en el mes de octubre, previa justificación fehaciente de dicha situación por parte del candidato.

La Universidad se reserva el derecho de aplicar revisiones de precios en cursos sucesivos, así como a no impartir las titulaciones que no alcancen el número mínimo de alumnos para el buen desarrollo docente y a modificar el campus de impartición de las titulaciones, en el caso que por razones organizativas sea necesario para el buen desarrollo académico. Puede consultar toda la normativa de la Universidad en https://www.nebrija.com/la_universidad/transparencia/normativa-interna.php