



# Component of a 10-year Management Plan



FOCUS: Income Sharing

AUGUST 2023

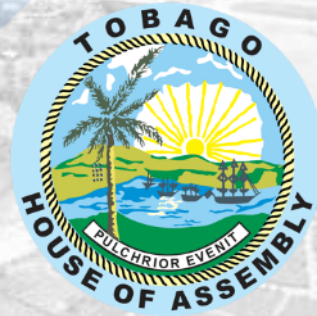


# Component of a 10-year Management Plan

FOCUS: Income Sharing

for the

**North-East Tobago Man and the Biosphere Area**



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## 1 EXECUTIVE SUMMARY

This document was developed as part of a project titled: “*Caribbean Small Island Developing States Trinidad Sub-Project Rehabilitation of Quarries*” (IWEco TT) with funding from the Global Environmental Facility, under approval of the United Nations Development Programme and via a contract with the Environmental Management Authority of Trinidad and Tobago. It is meant to be a guideline for the future management authority and staff of the North-East Tobago UNESCO Man and the Biosphere Reserve (NETMABR). While it will be open to all stakeholders, it is not meant to be an instrument for outreach activities; an outreach-friendly, intelligible version of the management plan will be developed in late-2022. The document represents the second component of the overall 10-year Management Plan for the NETMABR. The first, complementary component was finalised in December 2021 and a third and final one will be finalised under other interventions and consolidated in November 2022.

This draft plan was developed via review and analysis of primary and secondary literature as well as formal and informal stakeholder consultations between 2018 and 2022; major limitations were based on COVID-19 restrictions and significant primary data deficiencies. The draft plan at hand will be discussed with stakeholders between June and November 2022, revised and finalised accordingly.

This, second component of the Plan includes:

- Revision of previous Stakeholder and Communication Plans,
- Participatory Development of Vision, Mission, Objectives and Principles,
- Site Description,
- SWOT and PESTLE,
- Alignment with existing Legal and Regulatory Framework, Policies and International Conventions.

Furthermore, it includes situational analyses, high level goals, priorities, strategies and proposed actions for three management topics / components:

- Conservation Strategies, Programmes and Priority Projects
- Climate Change Resilience Strategies, Programmes and Proposed Actions
- Community-based, Green, Blue, Purple Economic Strategies, Programmes and Proposed Actions





Next steps and two key recommendations are provided in the chapter below.

The ERIC team would like to thank the EMA Office, Trinidad and Tobago, specifically Alicia Aquing, GEF IWEco National Project Coordinator, and Mr Linford Beckles, Director, Department of the Environment, Tobago House of Assembly for facilitating this intervention and put trust in our technical capabilities.

### North-East Tobago Man and the Biosphere Reserve Management Plan Components

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## 2 THE WAY FORWARD

The ERIC has successfully applied to the UNDP Small Grants Programme, Trinidad and Tobago, to fund the final components of the Management Plan and create a knowledge sharing platform for the Plan via a project titled: “*Drafting the Final Components of the Management Plan for the North-East Tobago UNESCO Man and the Biosphere Reserve and Intelligible Knowledge Management*”. The proposal was endorsed by the Department of the Environment, Tobago House of Assembly, which is the Focal Point for the UNESCO MAB Programme in Trinidad and Tobago and by Division of Ecological and Earth Sciences, UNESCO, Paris, France. This final component was approved in May 2022.

This timing aligns perfectly with a contract between the Inter-American Development Bank and Syntegra Change Architects Limited (Trinidad) with the following key objectives:

1. to structure the corporate governance framework of the NETPAMPT under a research-driven and participatory approach;
2. to structure the institutional framework of the NETPAMT, using components of an environmental and social management systems and including the foundations for a fund-raising strategy; and
3. to provide training and dissemination of i) the corporate governance framework; and ii) E&S institutional framework to key stakeholders.

Having started in February 2022, this intervention, of which the NETPAMT, and by extension the Tobago House of Assembly, is the direct beneficiary, will allow the NETPAMT, as future management organisation of the UNESCO Man and the Biosphere Reserve in North-East Tobago, to revise, refine, and apply the finalised management plan.

Based on these interventions, **the key recommendations** for advancing the sustainable development goals under the UNRESCO MAB Programme for NE Tobago are to:

1. **engage the Government of Trinidad and Tobago and the Tobago House of Assembly to provide the necessary budget allocations (2022-2024) for the operations of the NETPAMT until initial Green Fund funding and subsequent, self-financing is secured, and**
2. **facilitate stakeholder awareness and tangible benefits for communities in the NETMABR.**





### 3 INTRODUCTORY REMARKS

**T**his document was developed as part of a project titled: “*Caribbean Small Island Developing States Trinidad Sub-Project Rehabilitation of Quarries*” (IWEco TT) with funding from the Global Environmental Facility. It is meant to be a guideline for the future management authority and staff of the North-East Tobago UNESCO Man and the Biosphere Reserve (NETMABR).

The document represents a component of the overall 10-year Management Plan for the NETMABR. The additional, complementary components will be finalised under another intervention, and both consolidated in June 2022.

Amongst other guidelines, the Technical Guidelines for Biosphere Reserves (TGBR, UNESCO 2021) were taken into consideration for preparing this document.

The TGBR provides an indicative list of several main items a UNESCO Biosphere Reserve Management Plan should contain:

- a. a recommendation for an organisational/governance structure responsible for implementation of the plan,
- b. a situational analysis,**
- c. a vision,**
- d. medium-term goals,**
- e. management priorities,**
- f. proposed priority projects, and**
- g. monitoring indicators,

The document at hand covers, for the components under the contract with the EMA, items **b, c, d, e, and f**. Item **a** was covered under a previous assignment, item **g** will be covered under the above-mentioned complementary SGP project.

The components (topics) of the NETMABR Management Plan covered under this assignment included:

- ✔ Revision of previous Stakeholder and Communication Plans
- ✔ Participatory Development of Vision, Mission, Objectives and Principles
- ✔ Site Description, SWAT and PESTLE
- ✔ Alignment with existing Legal and Regulatory Framework, Policies and International Conventions
- ✔ Conservation Strategies, Programmes and Priority Projects
- ✔ Climate Change Resilience Strategies, Programmes and Proposed Actions





- Community-based, Green, Blue, Purple Economic Strategies, Programmes and Proposed Actions
- Stakeholder Consultations, Local Capacity Building and Media Outreach

As discussed with the funding agency, stakeholder consultations were quite limited due to time- and COVID-19 restrictions. Furthermore, stakeholder consultations will be most efficient and effective when the full draft of the Management Plan will be available in 2022 and a more concise and intelligible version can be produced to meaningfully engage at all stakeholder levels. Once all documents will have been consolidated, the final layout will be polished using an advanced desktop publishing and page layout designing software application. Once funding permits, an intelligible and interactive website will be created to facilitate ease of access to and navigation through the Management Plan.



**Figure 1. Fishermen in Castara Bay**







## 4 METHODS

**T**his draft document was developed via review and analysis of primary and secondary literature (see Annex 1) as well as formal and informal stakeholder consultations between 2018 and 2022. These consultations were conducted in relation to the drafting of the UNESCO Man and the Biosphere Nomination Form for NE Tobago, the drafting of the Dossiers for the Designation of NE Tobago’s Main Ridge Forest Reserve, Islets and Reefs as Natural National Heritage Sites of Trinidad and Tobago and the drafting of a proposal to the Inter-American Development Bank titled: “Organisational Governance and Operational Strengthening of the North East Tobago Protected Area Management Trust (NETPAMT)”. It should be noted that this document applies the common writing style of UNESCO MAB Reserve Management Plans and, as such, does not claim to be or follow the writing style of a scientific research paper.

## 5 LIMITATIONS

**T**he bulk of the document was prepared between November 2021 and June 2022 when restrictions regarding the COVID-19 pandemic prohibited workshops, group consultations and broader community involvement. Additionally, the extremely tight timeline for delivery of the draft and final document did not allow for the desired stakeholder participation. However, these limitations can be addressed in mid-2022, when the complementary components of the management plan will be finalised and a more intelligible version of the management plan can be developed, which will be more directed towards stakeholder engagement than programme management guidance (as it is the case for this document). An additional, major limitation is the ubiquitous data deficiency for NE Tobago regarding all components of the management plan. Therefore, many statements in the situational analyses are based on recent, oral stakeholder reports and personal observations of the resident expert team. Hence the reason that baseline surveys, monitoring and evaluation interventions are essential to inform the future implementation organisation.





## 6 VISION

**M**AB Vision: A world where people are conscious of their common future and their interactions with the planet, and act collectively and responsibly to build thriving societies in harmony within the biosphere.  
**To be based on stakeholder consultations.**

## 7 MISSION

The MAB Mission 2015–2025 is to

- develop and strengthen models of sustainable development through the WNBR;
- communicate experiences and lessons learned, and facilitate the global diffusion and application of these models;
- support evaluation and high-quality management of biosphere reserves, strategies and policies for sustainable development and planning, and accountable and resilient institutions;
- help Member States and stakeholders to achieve the Sustainable Development Goals by sharing experiences and lessons learned related to exploring and testing policies, technologies, and innovations for the sustainable management of biodiversity and natural resources and mitigation and adaptation to climate change.

**To be adapted on stakeholder consultations.**

Figure 2. Children planting trees in Parlatuvier Bay (Janina Ewals)





## 8 KEY OBJECTIVES

In order to address NE Tobago conservation and sustainable development challenges through strengthening the functions of a BR, the technical team proposes the following **Main Objective** for the management of the NETMABR:

*To successfully consolidate and co-manage interventions related to sustainable and regenerative development, research, capacity building, education and networking on landscape, human- and eco-system levels for the benefit of NE Tobago's cultural and natural heritage, communities, and people.*

**Note: To be adapted based on stakeholder consultations**

This key objective is designed to address the 12 key barriers that were identified by previous management plans for NE Tobago and IFPAM documents further as follows:

1. outdated legal and regulatory framework for establishing and managing natural and cultural resources,
2. unclear, fragmented roles responsibilities of stakeholders, especially managing authorities,
3. disempowered and under-resourced management authorities,
4. inadequate funding,
5. willingness to participate if interventions seem to be too restrictive,
6. stakeholder conflicts,
7. lack of broad, bipartisan political will,
8. lack of technical capacity to identify and address issues,
9. minimal capacity on the ground with respect to practical approaches to effective natural and cultural heritage management,
10. inadequate law enforcement,
11. minimal experience with income-generating opportunities, and last but by no means least,
12. a lack of transparency, accountability and compliance with regulation and legislation by the Tobago House of Assembly.







While IFPAM and other programmes and projects were able to partially address these barriers, and while it can be stated that conservation status and efforts in NE Tobago have never been better, it remains a fact that all of the above barriers are still valid and need attention.

The Management Plan at hand is based on the methodical approach that most of the above-mentioned barriers can be addressed by implementing strategies aligned with the three MAB functions.

These, below-described key strategies, are mainly based on the results of the recent Improved Forest and Protected Area Management Project (IFPAM, 2015-2020) which applied a participatory approach in identifying objectives and potential solutions to overcome conservation barriers; additionally, the ongoing interaction between the technical team and key stakeholders was used to refine recommendations included into the Management Plan.

These strategies are reoccurring and supported by proposed activities in the various components of the Management Plan at hand. It should be noted that, while IFPAM continuously considered socio-cultural aspects of NE Tobago as essential to successful management of natural resources, there was, unfortunately, not a matching project to similarly address the management of NE Tobago's cultural heritage.

**Figure 3. Iguana Bay (Janina Ewals)**





## 9 WHAT IS THE UNESCO MAB PROGRAMME?

In 1971, United Nations Educational, Scientific and Cultural Organisation (UNESCO) launched the intergovernmental Man and the Biosphere programme (MAB) that aims to establish a basis for the improvement of relationships between people and their environments. It predicts the consequences of today's actions on tomorrow's world and thereby increases people's ability to efficiently manage natural resources for the well-being of both human populations and the environment (30).

The working unit of MAB is the Biosphere Reserve (BR), an international description of recognition from UNESCO for an area in the world, which is deemed to demonstrate a "balanced relationship between humans and the biosphere".

Biosphere Reserves are internationally recognised areas comprising terrestrial, marine and coastal ecosystems. Each reserve promotes solutions reconciling the conservation of biodiversity with its sustainable use by local communities. BRs are nominated by national governments and remain under the sovereign jurisdiction of the states where they are located.

BRs are intended to be model regions for demonstrating successful approaches to protection and sustainable development at a regional level. MAB sites are established with the goal to:

- harmonise conservation of biological and cultural diversity with economic and social development, and
- make a tangible contribution to the transition to green societies and support national governments' efforts to attain the Sustainable Development Goals (SDGs).

Biosphere Reserves have **three inter-connected functions**:

- **Conservation:** protecting cultural diversity and biodiversity, including genetic variation, species, ecosystems, landscapes, and securing services provided by such diversity.
- **Development:** fostering economic and human development that is environmentally and socially sustainable and culturally appropriate; and
- **Logistic Support:** facilitating demonstration projects, environmental education and sustainable development education and training, research and monitoring.





## The 3 functions of biosphere reserves

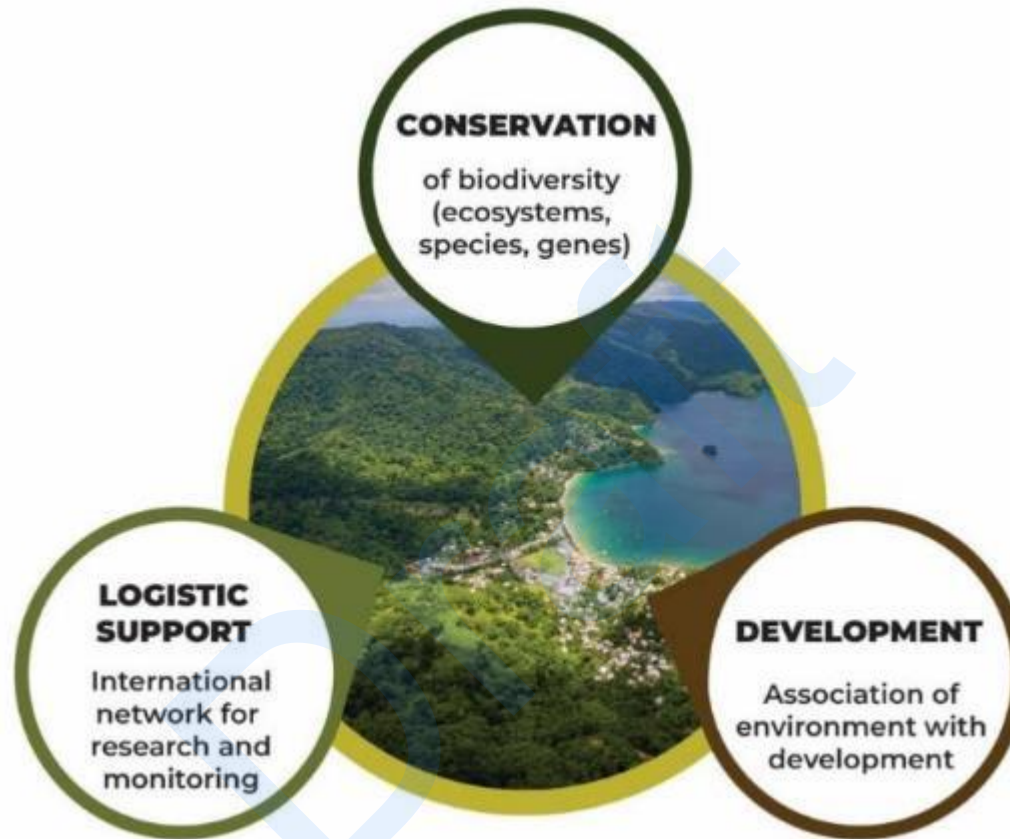


Figure 4. Schematic overview of 3 functions of biosphere reserves.

A BR consists of **three areas or zones** – **The core, buffer, and transition zones.**

**The core zone** is usually a legally protected area in which human activity is strictly limited and where monitoring of conservation priorities take place.

**The buffer zone** allows for appropriate activities such as research and scientific study, ecotourism, education and training.

**The transition zone** contains human settlements, agricultural and other commercial activities synonymous with human settlement.







## Biosphere Reserve Zonation

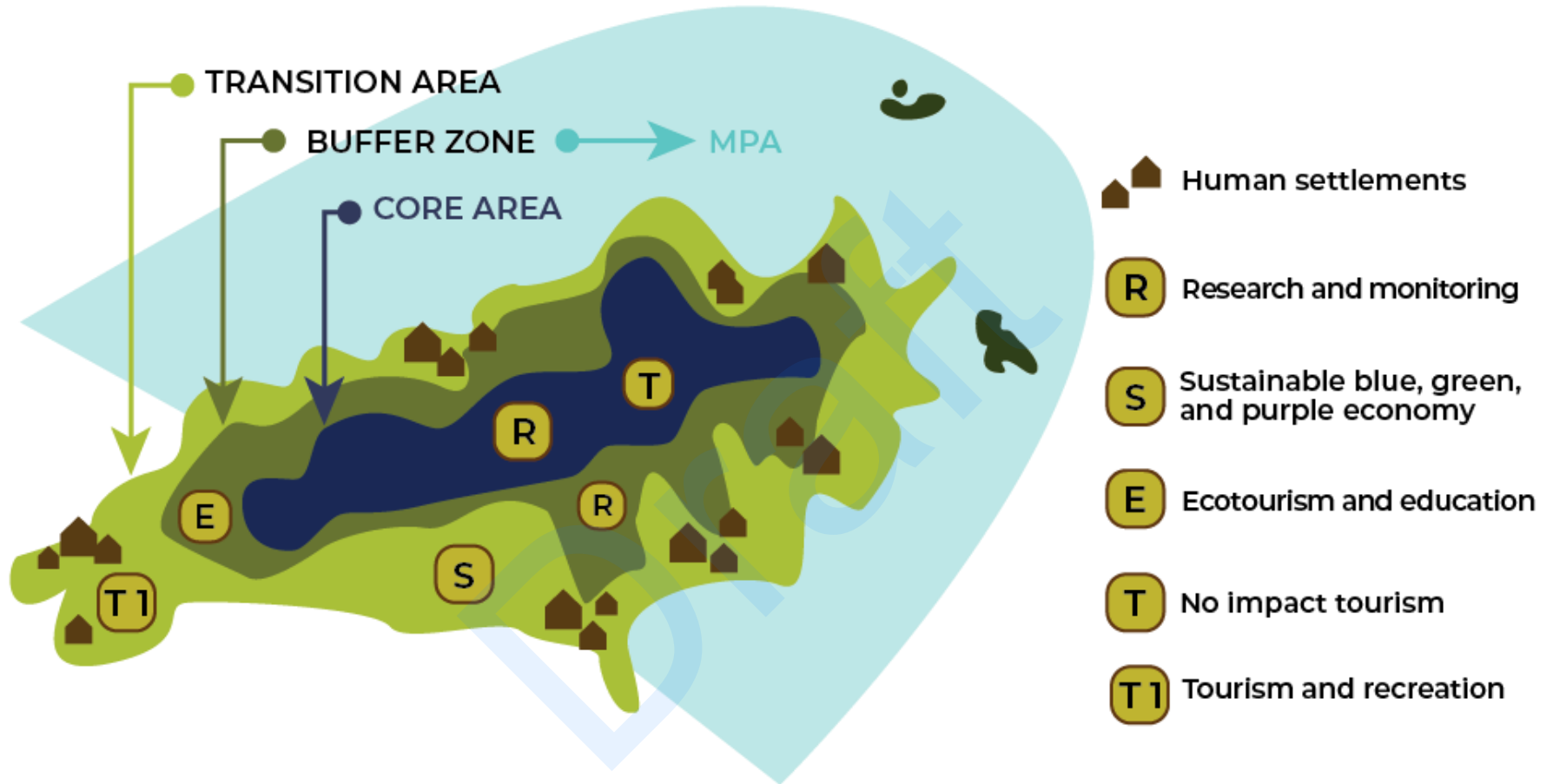


Figure 5. Schematic overview of NE Tobago Biosphere Reserve zonation (ERIC 2021).





The MAB Programme has a significant World Network of Biosphere Reserves (WNBR) which serves as a management tool for various municipal regions to improve strategies for sustainable development. As the pressures upon ecosystems increase with growing populations and climate change, the need for upgraded relationships between people and their natural surroundings only increases.

The **MAB Programme Mission** for the period 2015-2025 (31) is to:

- develop and strengthen models for sustainable development in the WNBR;
- communicate the experiences and lessons learned, facilitating the global diffusion and application of these models;
- support evaluation and high-quality management, strategies and policies for sustainable development and planning, as well as accountable and resilient institutions; and
- help member states and stakeholders to urgently meet the Sustainable Development Goals through experiences from the WNBR, particularly through exploring and testing policies, technologies and innovations for the sustainable management of biodiversity and natural resources and mitigation and adaptation to climate change. (MAB Strategy 2015-2025 & Lima Action Plan)

## 9.1 Administration

### **T** he international MAB Programme

The MAB programme is organised under an international agreement through UNESCO; state parties undertake actions within the MAB programme voluntarily and sites remain under national jurisdiction. At the global level, the MAB Programme is governed by its International Coordinating Council (ICC), under the overall authority of the UNESCO General Conference and its Executive Board.

The next level of governance is represented by regional and thematic networks. Governance at the national level is ideally through MAB National Committees.

The MAB institutional structure is outlined in Figure 6.





## UNESCO - MAB Institutional Set-Up

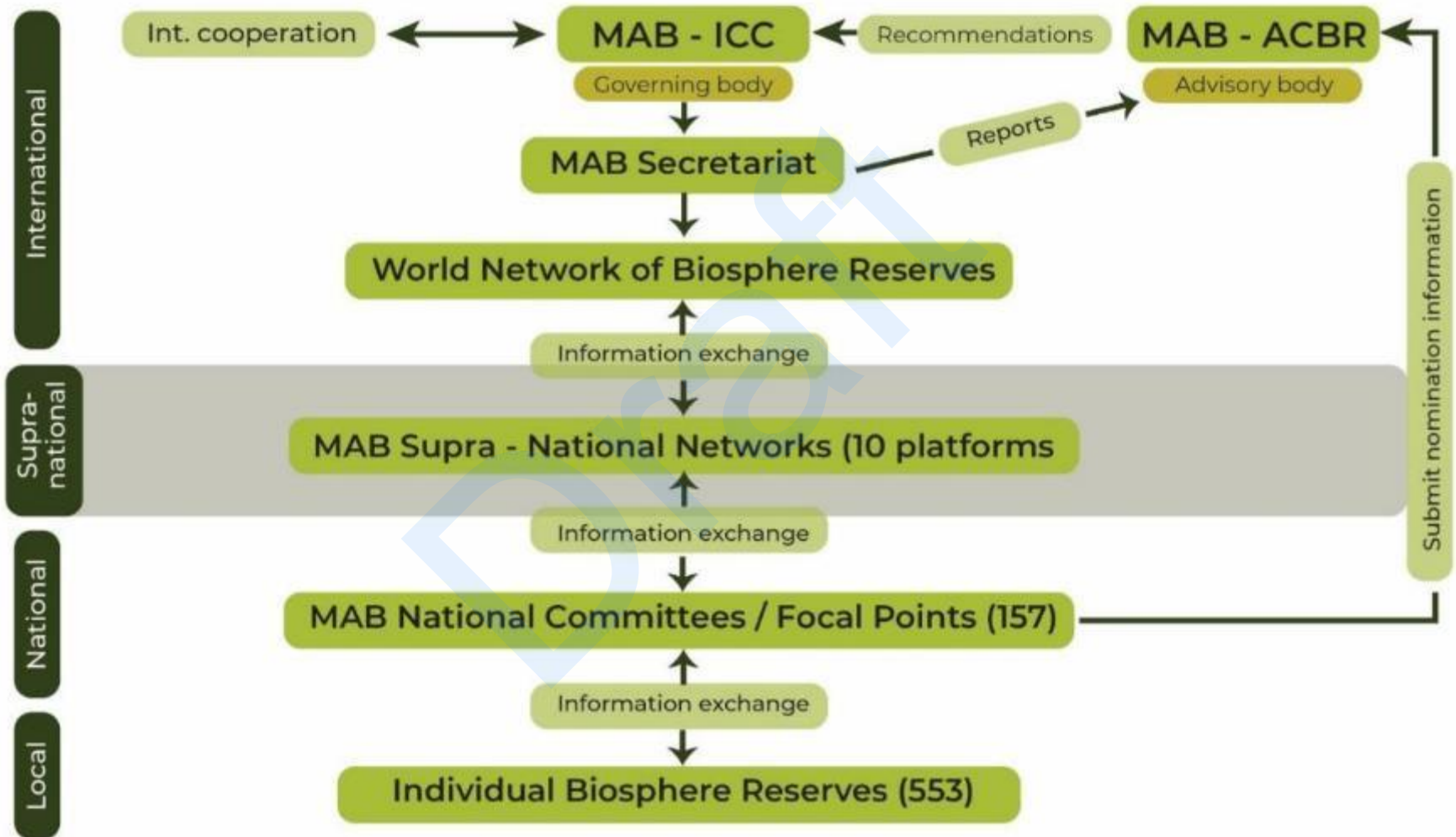
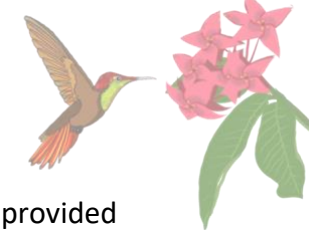


Figure 6. Diagram of the MAB institutional structure adapted from Schliep (24).







The MAB International Coordinating Council (ICC) is the governing body that meets biannually and consists of 34 Member States elected by UNESCO's General Conference. The ICC elects a chair and five vice-chairpersons from each of UNESCO's geopolitical regions that constitute the MAB Bureau which undertakes the responsibilities of the ICC between its biannual meetings. The MAB International Advisory Committee for Biosphere Reserves is the primary scientific and technical Committee body advising the ICC. The MAB Secretariat is the administrative centre for MAB based at UNESCO's Division of Ecological and Earth Sciences in Paris, the Secretariat work closely with the different field offices and Supranational Networks (e.g., IberoMAB – Iberian Peninsula and Latin America/ Caribbean region) around the world to coordinate the work of the MAB programme at the regional, national and individual Biosphere Reserve levels.

MAB is funded through the regular budget of UNESCO and mobilises funds-in-trust granted by Member States, bilateral

and multilateral sources and extra-budgetary funds provided by countries, the private sector and private institutions.

UNESCO's intergovernmental structure provides MAB with a framework to help national governments support the planning and implementation of research and training programmes with technical assistance and scientific advice.

MAB-related activities are nationally financed however the programme can grant seed funding to assist countries in developing projects and/or to secure appropriate partnership contributions.

MAB offers fellowship opportunities co-sponsored by a number member states to assist the technical development of individuals seeking to build a profession within the field of the UNESCO programme priorities. These opportunities would be available to local staff to apply for.

Importantly, designation as a MAB Reserve does not necessarily require the formation of new laws.

## 9.2 Designation of NE Tobago

In September 2019, the Government of Trinidad and Tobago successfully submitted a Nomination Form to UNESCO with the request to consider NE Tobago as a Man and the Biosphere Reserve.

The eligibility criteria taken from the Biosphere Reserve Nomination Form are shown in Table 1.





Table 1. The eligibility criteria taken from the Biosphere Reserve Nomination Form (2018).

	<b>MAB Eligibility Criteria</b>	<b>NE Tobago</b>
1	<b>Encompass a mosaic of ecological systems representative of major biogeographic region(s), including a gradation of human interventions</b>	✓
2	<b>Be of significance for biological diversity conservation</b>	✓
3	<b>Provide an opportunity to explore and demonstrate approaches to sustainable development on a regional scale</b>	✓
4	<b>Have an appropriate size to serve the three functions of biosphere reserves</b>	✓
5	<b>A legally constituted core area/s devoted to long term protection of sufficient size to meet long term conservation objectives.</b>	✓
6	<b>Buffer zone/s clearly identified &amp; surrounding or contiguous to the core area/s, where only activities compatible with the conservation objectives can take place".</b>	✓
7	<b>Outer transition area where sustainable resource management practices are promoted and developed</b>	✓
8	<b>Organisational arrangements should be provided for the involvement and participation of a suitable range of inter alia public authorities, local communities and private interests in the design and the carrying out of the functions of a biosphere reserve".</b>	Ongoing
9	<b>Able to describe arrangements in place or foreseen</b>	✓
10	<b>Mechanisms to manage human use and activities in the buffer zone or zones</b>	✓
11	<b>Management policy or plan for the area as a biosphere reserve</b>	Currently developed
12	<b>Designated authority or mechanism to implement this policy or plan</b>	Department of the Environment, NETMAPT
13	<b>Programmes for research, monitoring, education and training</b>	✓





In the Nomination Form, NE Tobago' values were described as follows:

*“Covering over 835km<sup>2</sup>, the proposed area encompasses three protected areas, one of which is the oldest protected tropical forest reserve in the world, a large planned Marine Protected Area (MPA) and 15 communities which are home to approximately 10,000 residents with a rich historical and cultural heritage. The area's rare and largely intact Caribbean Island Ridge-to-Ocean eco- and human-systems are well equipped to fulfil the three functions of a UNESCO Biosphere Reserve (BR): its biodiversity, range of ecosystems, and special-interest species are important on a regional and global scale (Conservation); the cultural heritage is a living example for the region's deeply rooted, historical, socio-economic and spiritual relationship between communities and natural resources (Development); and decades of regionally outstanding educational, research and networking activities (Logistic Support).*

*The close linkage between ecosystem services and natural resource use, active community groups, successful sustainable development projects, governmental initiatives and its closeness to Trinidad's resources provide the area with the prerequisites to successfully implement a BR and share lessons learnt with its Caribbean neighbours while serving as a regional role model. Being a hotspot for conservation related research for decades and having a track record of environmental*

*education, capacity building and monitoring are well established cornerstones for providing and further increasing logistical support.*

*The legal, policy and institutional framework to manage a MAB area exist; current projects and programmes as well as those in the national and local development pipeline, and improved collaboration between government, civil society and private sector are demonstrably supportive of this BR nomination initiative. On varying levels, NE Tobago is already close to meeting the key conservation objectives of a successful BR as mentioned in the Seville MAB Strategy.*

*Coordinating future sustainable development efforts under a MAB umbrella and the inclusion of all relevant sectors of the society will significantly improve conservation and livelihoods through responsible use of our natural and cultural heritage which is the central goal of Tobago's guideline policy document, the Comprehensive Economic Development Plan.”*

On 28 October 2020, NE Tobago was officially declared a UNESCO MAB Reserve.



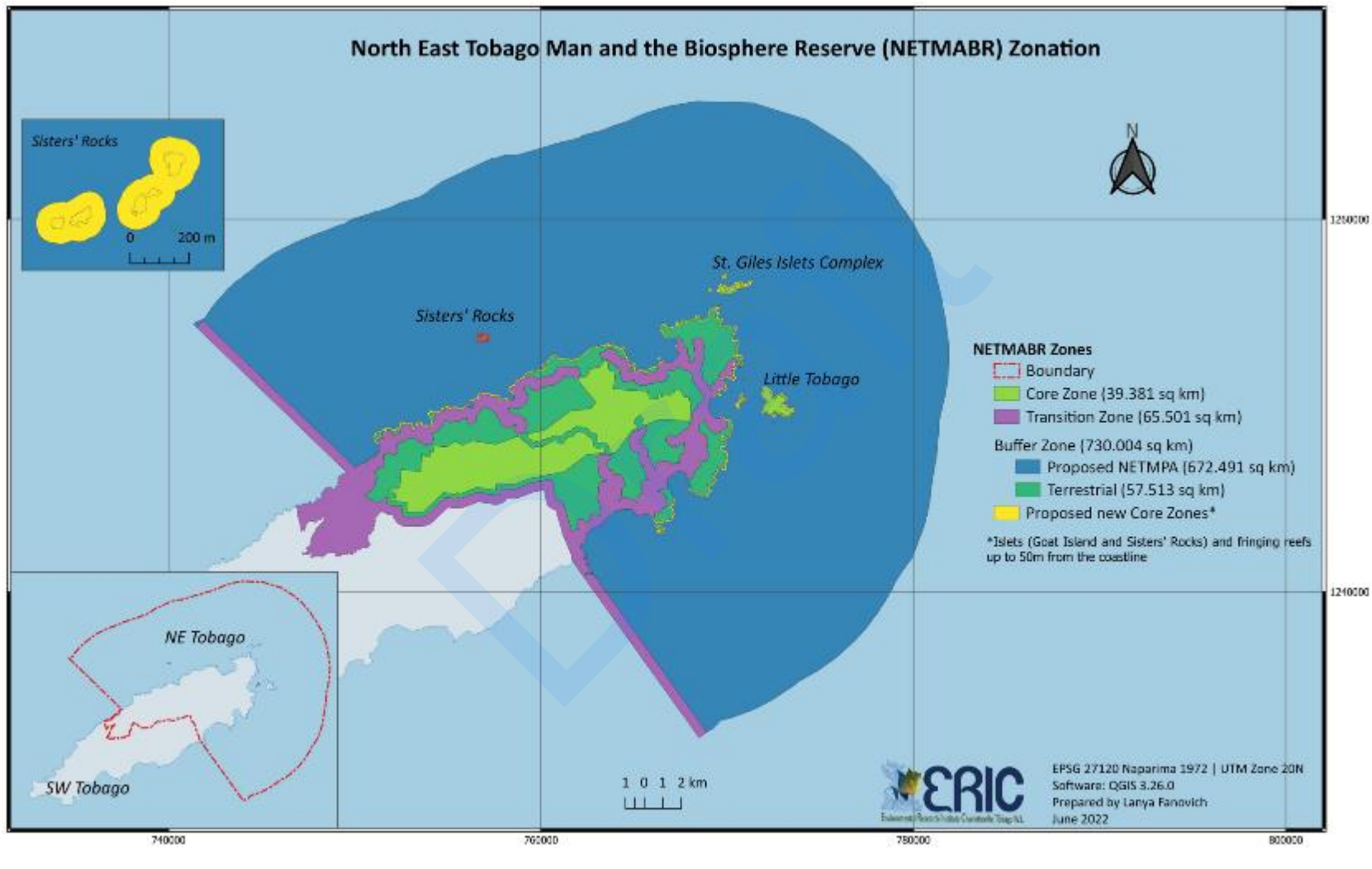


Figure 7. Zonation of the NE Tobago MAB Reserve (ERIC 2022)





The **Core Zone** of the NETMABR consists of three legally protected areas: the MRFR, Little Tobago and the St Giles Islet Complex, all of which are terrestrial.

It should be noted that, at the moment, the Core Zone does not include any marine areas, due to lack of protective legislation and regulations; however, work has started to designate high conservation value, coastal fringe reefs as Natural National Heritage Sites (which is the fastest way of to achieve legal protection) in 2021, and the National Protected Area Systems Plan was approved by Cabinet, which hopefully will result in the designation of the overall NE Tobago Marine Protected Area with some special, IUCN 1a category areas. Once these marine areas receive legal protection, they can, later on, switch from Buffer to Core Zone status within the BR.

The **Buffer Zone** for NETMABR was defined as:

- all lands between the Transition Zone and the MRFR Core Zone,
- a 125m belt on both sides of roads within the Core Zone (combining to a width of 250m)
- a 250m belt along the boundary between the Core Zone and the south-western area outside of the NETMABR,
- coastal areas between the boundaries of the NETMPA and the Transition Zone, and
- the entire marine realm of the proposed NETMPA.

As mentioned in the section above, some marine Buffer Zones might change to Core Zone as soon as legal protection can be provided. Therefore, the terrestrial, coastal Buffer Zones are crucial to protect sensitive marine ecosystems.

The **Transition Zone** was defined as all lands that are located within a 250m belt on both sides of all roads within the overall boundaries of the NETMABR; this includes all communities, and economic activities in the NETMABR (except for some micro-scale subsistence farming and hunting in the Buffer Zone). The result of this definition is a Transition Zone band, sandwiched between the terrestrial and marine Buffer Zones on which it has significant influence.





## 10 MANAGEMENT PLAN COMPONENTS

The following chapters are subdivided into situational analysis, goals, strategies, and proposed activities. It is important to understand that the chapters are at different results framework levels therefore the subheadings are not necessarily on similar logic levels as well. This is the result of the High-Level Goal of each Component starting on a different logic level.

Table 2. Management plan component levels

Component level	Definition
<b>Summary Situational Analysis</b>	The current state of the BR respectively to the chapter subject, descriptively identifying strengths, weaknesses, opportunities and threats
<b>High-Level Goal</b>	The desired status achieved by the management plan
<b>Priorities</b>	Interventions that either significantly contribute to achieving the goal, or significantly reduce existing threats to the goal
<b>Strategies</b>	Long-term plans of action designed to achieve the goal
<b>Proposed Activities</b>	Programmes, projects, and other interventions that are aligned to the strategies and should be revised once the situational analysis significantly changes.





## 10.1 Addressing Barriers to Sustainable Management

**T**he NETMABR is subject to a series of interconnected, indirect threats to successful implementation of the MAB programme. Local residents and stakeholders are not commonly inspired to undertake conservation-relevant practices. This is partly because intelligible, adequate and continuous environmental education still requires improvement. While knowledge often exists, it is not successfully translated into a positive attitude and actual practise. This in turn is partially due to perceived and actual lack of ownership and empowerment on the part of residents in NE Tobago. On the other hand, and in certain cases, the sense of ownership is very well developed and strongly articulated; however, ownership rarely translates into stewardship. Similarly, residents facing environmental challenges are often not informed enough to take appropriate actions against those perpetrating the violations (e.g., seek assistance from the Environmental Police and/or the Environmental Commission of Trinidad and Tobago).

Additionally, the lack of coherent and consistent conservation co-management and co-operation often undermines good efforts in some areas by neglect in others. For example, efforts of CSOs to protect nesting sea turtles are undermined by a lack of law-enforcement regarding the use of turtle nets and turtle meat consumption.

The principal barrier to addressing direct threats to the ecosystems of NE Tobago is fragmented management and use. The National Protected Areas Policy, the National Protected Area Systems Plan (7), the IFPAM Project (6) and ERIC's stakeholder assessments have all identified and prioritised this barrier for NE Tobago. Regulations and roles are unclear and consequently there is limited "enforcement / implementation of regulations concerning natural resource use" as stated in the NE Tobago Management Plan (2003). Fragmented, formal and informal, public and private, land management and use create an environment where it is nearly impossible for a single stakeholder to meaningfully influence the direct threats that are degrading NE Tobago's ecosystems.

This barrier has two components.

### **Government Sector**

The **government component** involves the formal management of public lands and waters. This barrier includes outdated legislation and policy, a labyrinthine institutional structure and limited government capacity and resources. Repeated government initiatives since the 1970's have failed to address this issue; a case in point is the National Protected Areas Policy (2011) that called for a wide range of actions to be undertaken by 2016. These include the "*revision, development and declaration of supporting legal instruments [to] enact an enabling legislative framework*", the establishment of a centralised authority "*to administer the coordination and*





*implementation of the National Protected Areas Policy for Trinidad and Tobago*”, and the establishment of protected areas under the new policy. Unfortunately, all efforts to declare the North East Tobago Marine Protected Area have failed since over half a decade.

### **Non-Government Sector**

Fragmented management and use of land and waters also occurs in **non-government sectors**. The absence of a national land use planning framework combined with outdated regulations and limited enforcement means that private land management and use is largely unrestricted. There is a concomitant lack of mechanisms and incentives for private land owners to engage in or benefit from conservation. The current, forested state of most private land in NE Tobago is therefore not a result of public policies or priorities, but an artefact of the priorities and preferences of individual owners. Although this speaks to the conservation commitment of some land owners, it is a highly vulnerable state for long-term conservation. Land owners may choose to develop their land with infrastructure or unsustainable agriculture that compromises the NETMABR.

Informal management and use of the land- and sea-scape, including public and private areas, is likewise unrestricted. As explained in the THA Comprehensive Economic Development Plan 2.0 (20), Tobago hosts “*longstanding insecure land tenure arrangements with as much as 83 percent of the lands of Tobago allegedly in informal tenure (the majority being family lands)*”. Informal but long-standing family lands, squatting, small agricultural plots, unregulated dumping, hunting, harvesting of timber and other forest products, and harvesting of fish from the marine environment all represent often legitimate uses of public and private lands that can none the less contribute to fragmentation and degradation of ecosystems.

**The implementation of the UNESCO MAB programme, including the operationalisation of the NE Tobago Protected Area Management Trust, offers a significant opportunity to de-fragment and consolidate the management of natural and cultural resources under one, overarching programme.**

Although fragmented management is the principal barrier to conservation in NE Tobago, another critical barrier is a lack of monitoring and communication. This issue captures two hindrances to biodiversity conservation regionally as identified by the Caribbean Islands Biodiversity Hotspot assessment: limited technical and scientific knowledge and poor availability of information needed for effective decision-making, and lack of awareness of importance of biodiversity and ecosystem services. This similarly applies to the socio-cultural and economic development aspects of the NETMABR. Limited information and communication mean that it is difficult to:







quantify threats, foster informed discussions, prioritise management actions, measure the success of interventions, and inspire stakeholders to take action. This barrier will be specifically targeted by strengthening the logistic function of the NETMABR.

In order to address the described challenges through strengthening the functions of a BR, the technical team proposes the following **Main Objective** for the management of the NETMABR:

*To successfully consolidate and co-manage interventions related to sustainable and regenerative development, research, capacity building, education and networking on landscape, human- and eco-system levels for the benefit of NE Tobago's cultural and natural heritage and people.*

In order to go into more depth, previous management plans for NE Tobago and IFPAM documents further detailed 12 key barriers to successful natural resource management in NE Tobago as follows:

1. outdated legal and regulatory framework for establishing and managing natural and cultural resources,
2. unclear, fragmented roles responsibilities of stakeholders, especially managing authorities,
3. disempowered and under-resourced management authorities,
4. inadequate funding,
5. willingness to participate if interventions seem to be too restrictive,
6. stakeholder conflicts,
7. lack of broad, bipartisan political will,
8. lack of technical capacity to identify and address issues,
9. minimal capacity on the ground with respect to practical approaches to effective natural and cultural heritage management,
10. inadequate law enforcement,
11. minimal experience with income-generating opportunities, and last but by no means least,
12. a lack of transparency, accountability and compliance with regulation and legislation by the Tobago House of Assembly.





While IFPAM and other programmes and projects were able to partially address these barriers, and while it can be stated that conservation status and efforts in NE Tobago have never been better, it remains a fact that all of the above barriers are still valid and need attention.

The Management Plan at hand is based on the methodical approach that most of those barriers can be addressed by implementing strategies aligned with the three MAB functions.

These, below-described key strategies, are mainly based on the results of the recent Improved Forest and Protected Area Management Project (IFPAM, 2015-2020) which applied a participatory approach in identifying objectives and potential solutions to overcome conservation barriers; additionally, the ongoing interaction between the technical team and key stakeholders was used to refine recommendations included into the Management Plan.

These strategies are reoccurring and supported by proposed activities in the various components of the Management Plan at hand.

It should be noted that, while IFPAM continuously considered socio-cultural aspects of NE Tobago as essential to successful management of natural resources, there was, unfortunately, not a matching project to similarly address the management of NE Tobago's cultural heritage.

**Figure 8. View from Speyside onto Little Tobago and Goat Island (Janina Ewals)**



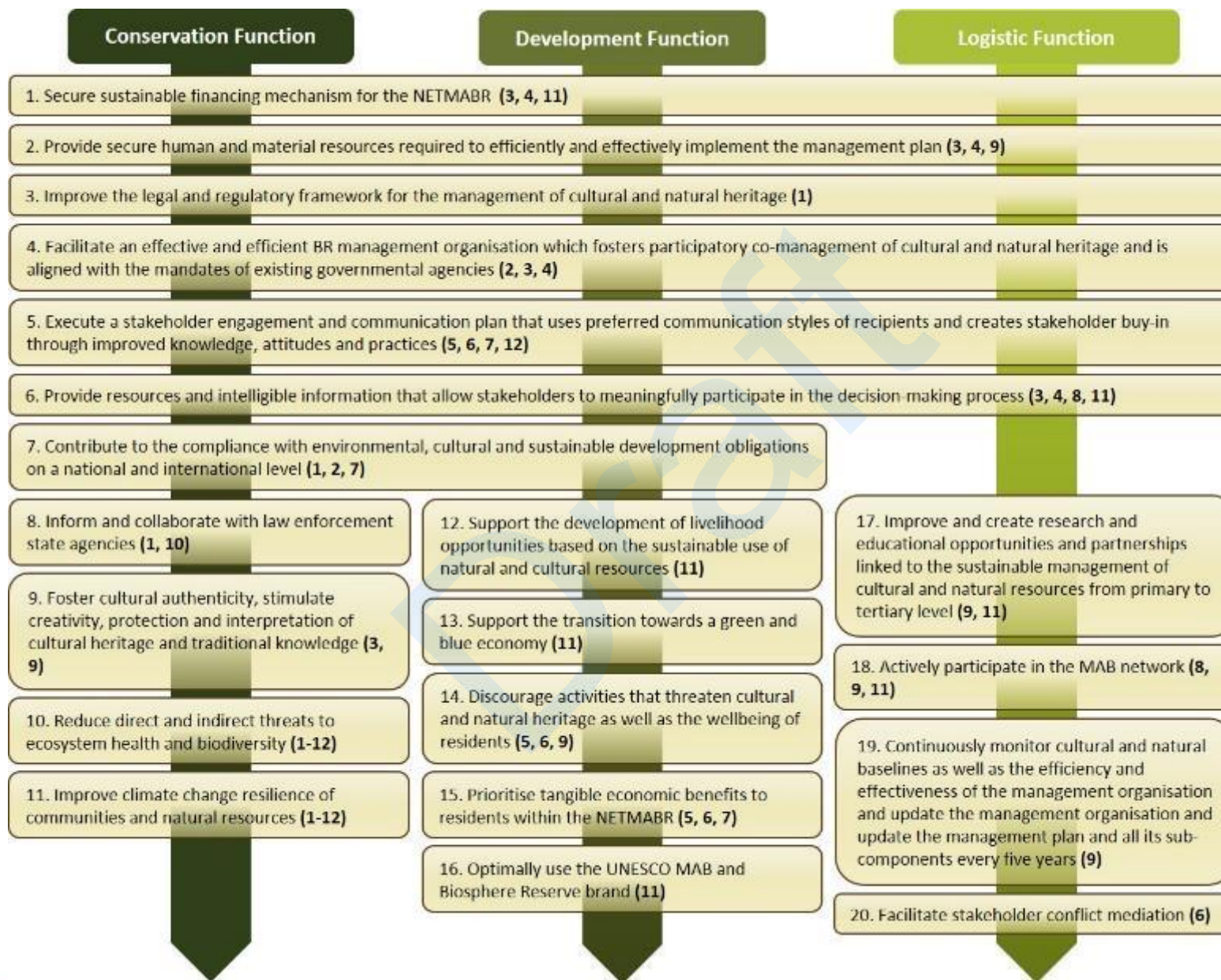


Figure 9. Proposed Main Strategies for the BR Management Plan, Addressed Key-Barriers in (brackets)





## 11 INCOME-SHARING

### INTRODUCTION

For the purpose of this chapter, the term income-sharing shall be **defined as:**

**The process through which private sector type enterprises, operating within or adjacent to human- and ecosystems on which their income depends on, formally commit to provide regular financial contributions to persons or organisations that improve the conservation and regeneration of these essential systems.**

This chapter is only addressing private sector voluntary contributions made directly to community groups or individuals. Such contributions may be provided in form of restricted and unrestricted financial and material donations, project grants, and formalised corporate social responsibility (CSR) programmes. Income-sharing can demonstrably be instrumental in empowering local communities living on the edge of protected areas or Biosphere Reserves to engage in natural resource management and enhance biodiversity conservation outcomes.

Increasingly, private sector actors, or NGOs that derive income from business activities, realise that the condition or “health” status of the social, cultural, and natural environment in which they operate is crucial for their long-term business success and that exploitative business practises are mostly unsustainable; this is especially the case in fragile ecosystems like in the NETMABR. Additionally, the private sector is realising and monetising the significant branding, marketing, and sales benefits of being perceived by the public (and even more so by potential customers) as contributing to socially and environmentally beneficial interventions.

*“Basically, the motivations for income-sharing are (a) to maintain the social and ecosystem services required to sustain profitable business and (b) to meet the ever-increasing demand of customers for environmentally and socially responsible products.”*

Globally, this trend started and is most prominent with larger companies with established Corporate Social Responsibility Programmes; in the case of environmentally sensitive areas, tourism related enterprises are spearheading this trend by increasingly income-sharing a percentage of their profits through corporate social responsibility initiatives. This is especially promoted by the concept of regenerative tourism see:

<https://travelhub.wttc.org/blog/what-is-regenerative-travel>, <https://www.regenerativetravel.com/principles-whitepaper>;  
<https://www.junglebaydominica.com/sustainability-efforts>; <https://www.bucuti.com/resort/eco-friendly#anchor-what-we-do>;  
<https://www.rosewoodhotels.com/en/le-guanahani/overview/sustainability/nature>.










## SITUATIONAL ANALYSIS

In general, the concept of income-sharing is not understood, appreciated, or commonly practised in the NEMABR.

At the beginning of 2023, there are only two publicly communicated cases of income-sharing the NETMABR:

- Castara Retreats Resort has committed (not yet formally) to invest approximately 10,000USD annually in environmental projects that are designed and implemented by the Castara Tourism Development Association with mentorship provided by the Environmental Research Institute Charlotteville (<https://castararetreats.com/our-sustainable-story/our-ethos>).

WILDLIFE CONSERVATION	COMMUNITY-LED TOURISM	LAND CONSERVATION
<p>We have spent 15 years creating a sanctuary for wildlife within our tropical gardens. The endangered agouti is now a common sight, along with iguana, and a nesting armadillo that was first spotted in 2016. Over 70 species of birds can be viewed from our accommodations.</p>	<p>In 2015, over 30 village stakeholders came together to form Castara Tourist Development Association (CTDA), a non-profit organisation that works to protect the village's local culture and natural environment. CTDA is now seen as an exemplar for community-led tourism.</p>	<p>We have undertaken extensive tree and shrub planting to maximise soil retention and avoid the risk of soil erosion and landslides. Paths with drainage systems have been constructed to ensure the safe run off of water from our land to the highway below.</p>
		

- The Environmental Research Institute Charlotteville has formally committed to share 30% of revenue derived from its yacht mooring social enterprise in Pirates Bay ([www.tobagomoorings.com](http://www.tobagomoorings.com)) with the Charlotteville Police Youth Club for providing social support to vulnerable persons in the community and/or environmental activities in the community.

It is quite likely that other enterprises contribute to environmental and, especially social programmes; however, such contributions are not formalised, often irregular, and not widely communicated.

The significant contributions provided by oil and gas companies in support of social and environmental projects within the NETMABR are not mentioned here since their operations do not depend on the health of human- and ecosystems within the NETMABR (except politically).





#### HIGH LEVEL GOAL

The majority of private sector enterprises operating within the NETMABR and are depending on its human- and ecosystems formally commit to share a part of their income with TOBIMA's implementing partners to support the conservation and regeneration of natural and cultural heritage assets which are essential resources to their businesses.

(to be stakeholder confirmed)

#### PRIORITY NEED

The private sector operating within the NETMABR fully understands that sustainable economic growth and personal income is strongly linked to the health of NE Tobago's natural and cultural heritage and as such willing to financially contribute to the implementation of the NETMABR Management Plan and the TOBIMA.

#### STRATEGIES

1. Convincing private sector enterprises that healthy and functional natural and cultural resources are highly valuable for their business models;
2. simplification of the income-sharing process by providing templates, a standardised protocol, and matchmaking for formal commitment; and
3. visibility for income-sharing initiatives within the NETMABR (especially targeting customers).

#### PROPOSED ACTIVITIES

Re. Strategy 1: Convince private sector enterprises of the value of natural and cultural resources for their business models.

- Establish an income-sharing alliance with business associations to assist with the promotion of income-sharing.
- Conduct annual awareness activities with business associations, chambers, and individual enterprises to inform them about the, especially economic, benefits of income sharing, share customer requests for environmental and social responsibility and demonstrate visibility options.
- Collaborate with TTAL to promote income-sharing of tourism enterprises in the NETMABR.





- Collaborate with Division of Community Development to establish a “buy-local” campaign.

Re. Strategy2: Simplify the income-sharing process by providing templates and a standardised protocol for formal commitment

- Draft formal income-sharing agreements including simple but effective monitoring of transparency and accountability.
- Identify and validate beneficiaries by community, mandate, and mission; set eligibility criteria that encourage beneficiaries to improve their governance.
- Assist with final negotiations between provider and recipient.

Re. Strategy 3: Provide visibility for income-sharing initiatives within the NETMABR with a focus on targeting customers.

- Promote income-sharing initiatives, benefits, and success stories through press releases, social media, the TOBIMA (and TTAL) website, and at trade shows; communicate these promotional activities with income-sharing providers

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