

Integrating Water, Land and Ecosystems Management in Caribbean Small Island Developing States (IWECO)

National Sub-Project Biodiversity Mainstreaming in Coastal Landscapes within the Negril Environmental Protection Area of Jamaica

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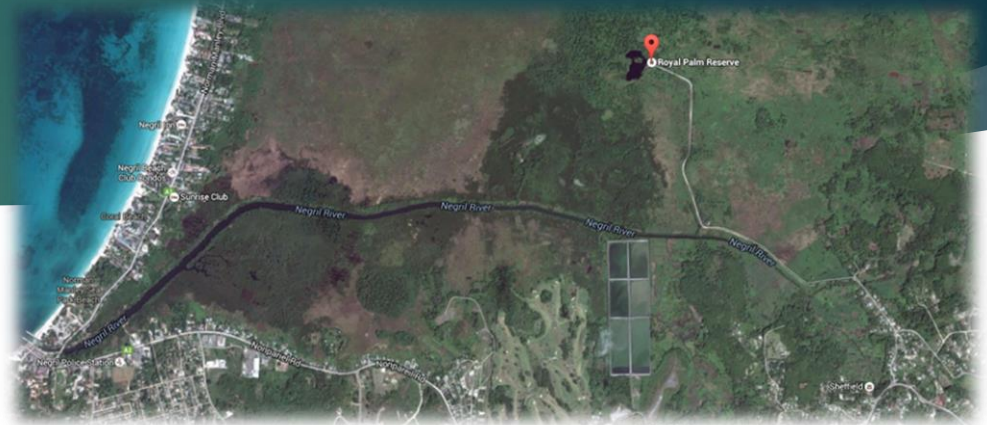
The Reason

Biodiversity of the morass threatened by:

- human-induced drainage of its wetlands,
- coastal development,
- unsustainable agricultural practices, invasive alien species, and increase of informal settlements.

Drop in water levels and depletion of flora and fauna of the morass causing

- frequent brush fires,
- peat subsidence,
- sedimentation,
- aquatic nutrient enrichment and invasive alien species.



Project Objectives

Specific objectives are to:

- ▶ restore the historical functionality of the morass;
- ▶ re-establishment of vegetation to provide a sustainable habitat for wetland fauna;
- ▶ eliminate issues that degrade ecosystem functions; and
- ▶ implement institutional arrangements to ensure the long-term sustainability of the wetland biological resources

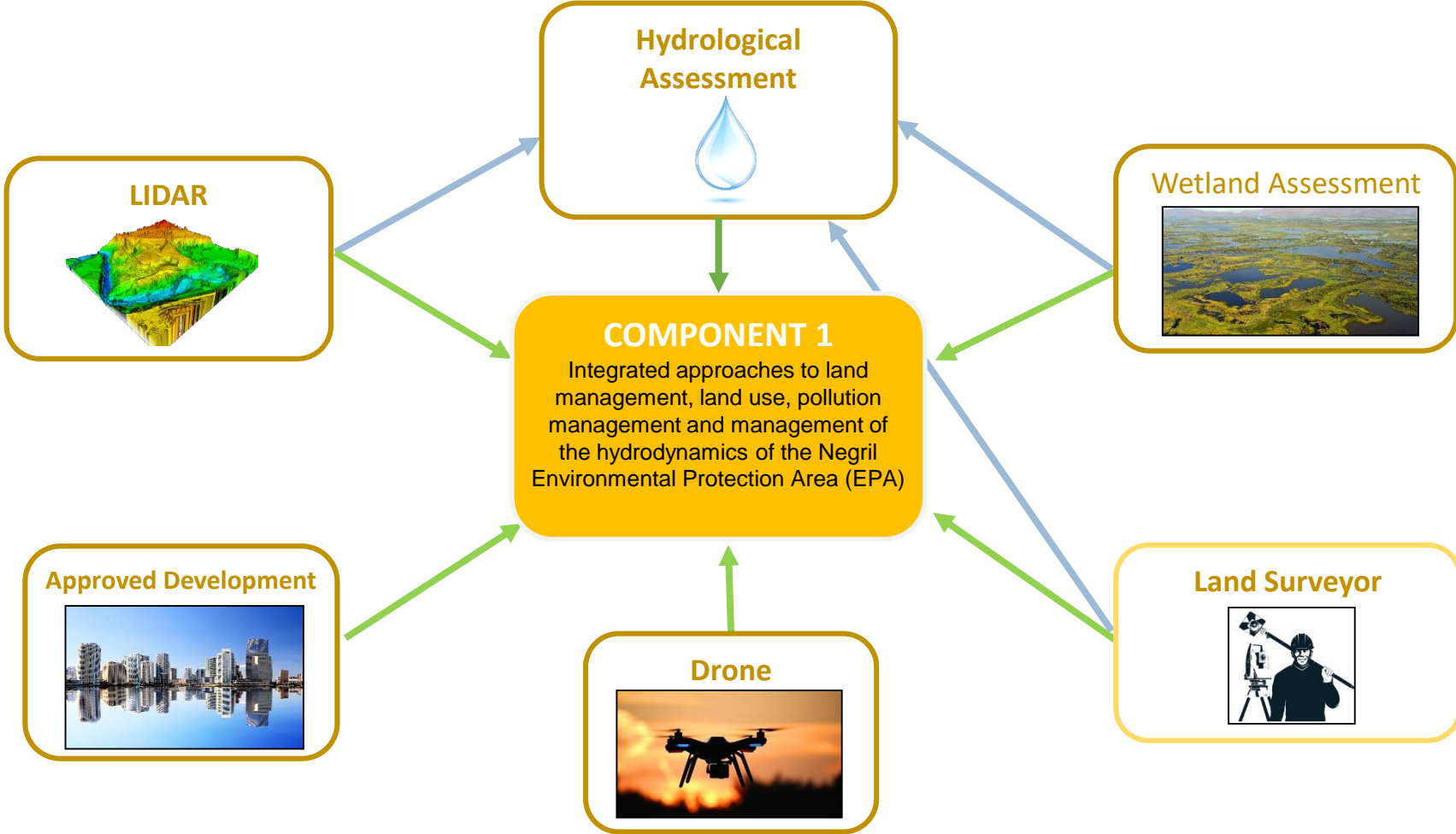


Component 1

- ▶ Integrated approaches to land management, land use, pollution management and management of the hydrodynamics of the Negril Environmental Protection Area
 - ▶ Hydrological restoration of the Negril EPA
 - ▶ Land use and management planning for the Negril EPA
 - ▶ Baseline data compilation (including identification of priority problems and selection of indicators) for the project.



Consultancies

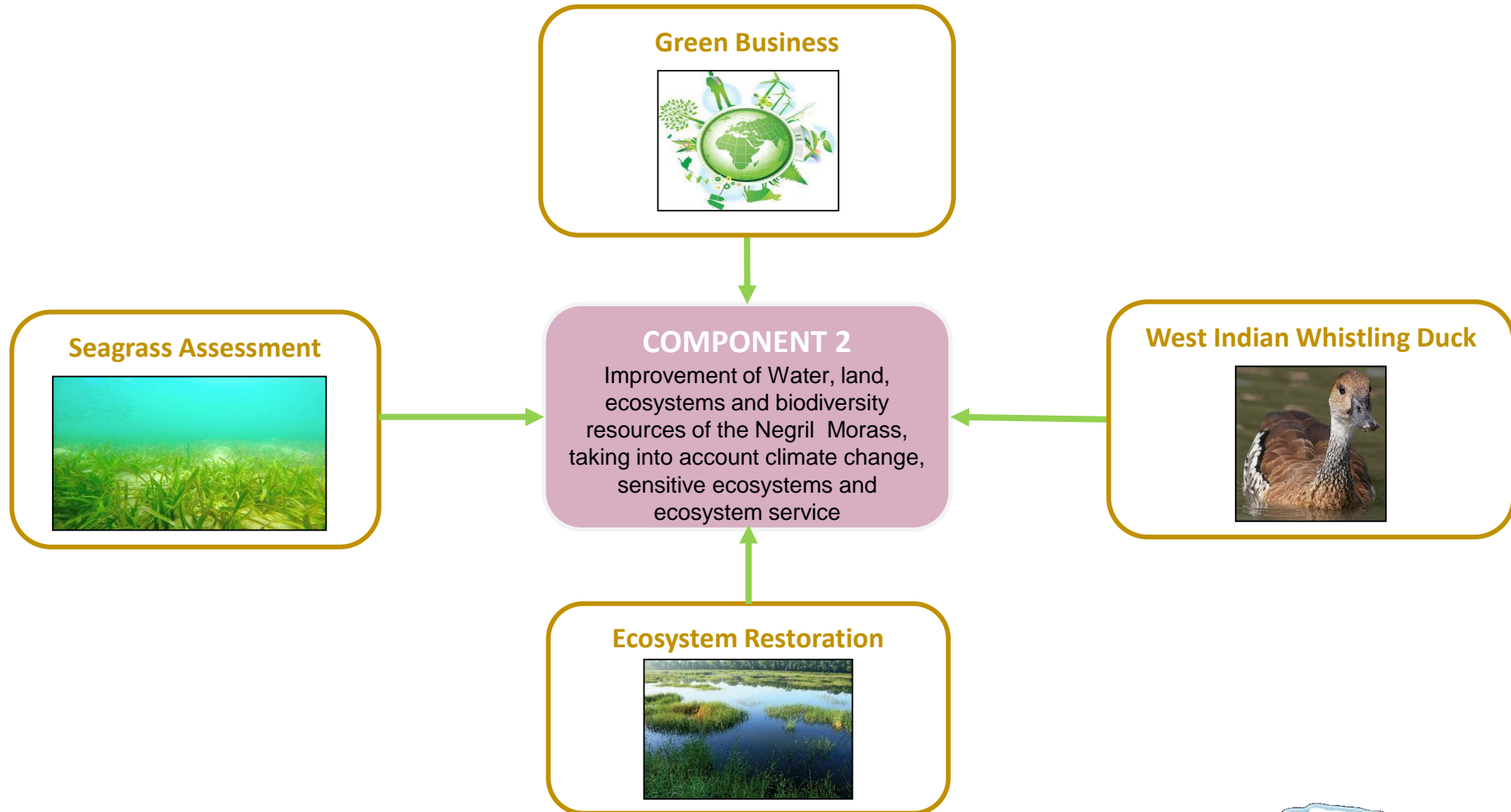


Component 2

- ▶ Improvement of water, land, ecosystems and biodiversity resources of the Negril Morass, taking into account climate change, sensitive ecosystems and ecosystem services
 - ▶ Pollution control and development of a monitoring protocol and system for assessment of project indicators
 - ▶ Habitat/ecosystem rehabilitation investments for conservation of internationally significant, endemic and migratory species



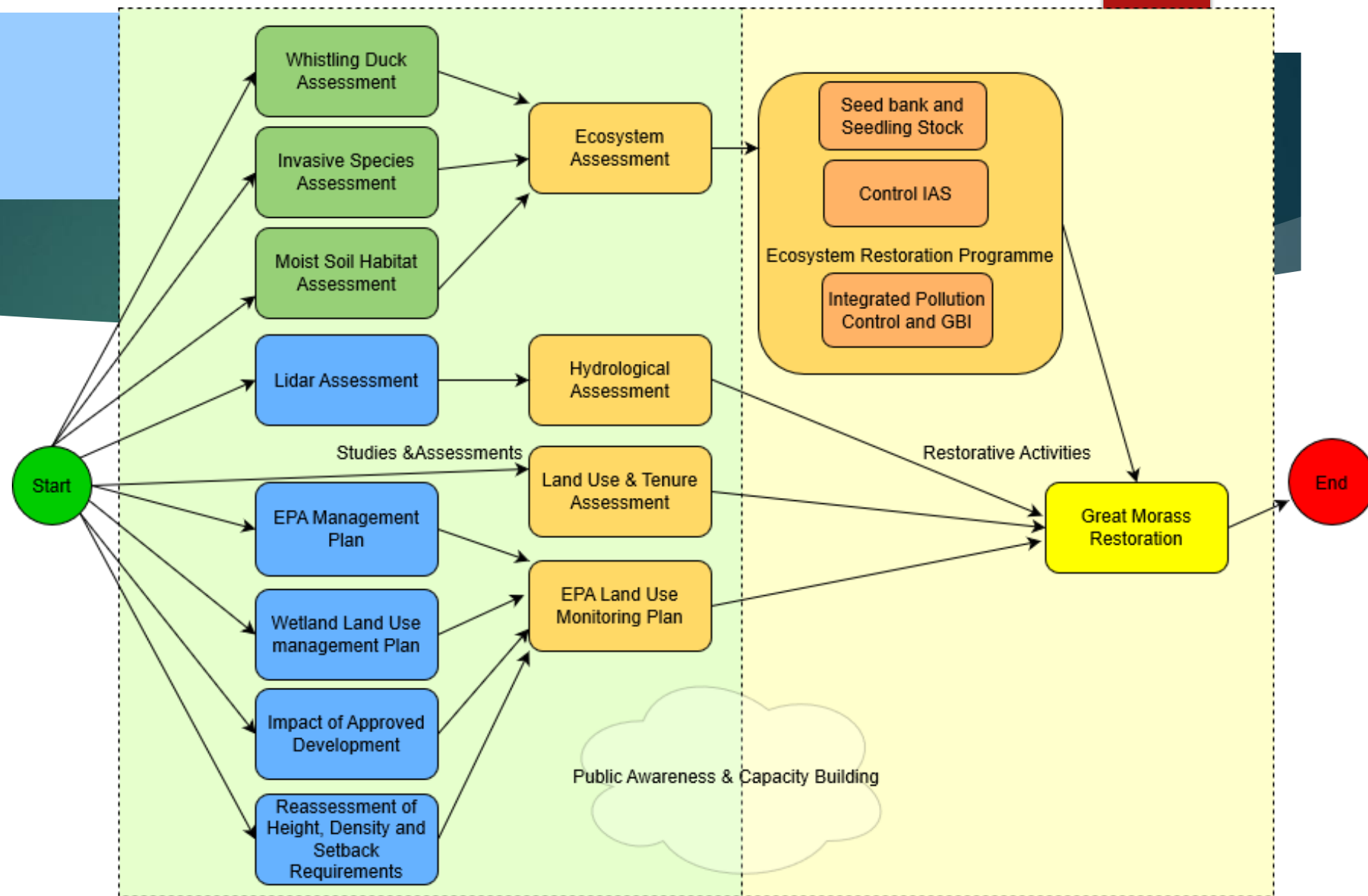
Consultancies



Priority actions: - the critical activities

Project Goals

- (1) Restore historical hydrological and other physical processes
- (2) Enhance and re-establish native vegetation communities to provide habitat to wetland fauna
- (3) Eliminate conflicts that degrade ecosystem functions
- (4) Implement institutional arrangements to ensure the long-term sustainability of wetland biological resources



Project success graded against

- 18 expected outputs
- 20 outcomes

Distributed across the 5 components

Component 3

- ▶ Strengthening of policies and legal and institutional frameworks and capacity building for sustainable land management, integrated management of water resources and the management of ecosystem services, taking into account climate change
 - ▶ Local Institutional and Community Capacity Building
 - ▶ Build capacity for managing wetland Protected Areas



Component 4

- ▶ Communication, awareness, policy dialogue, sustainability and lessons learnt
 - ▶ Knowledge Building, Lessons Learnt and Research Activities
 - ▶ Best environmental practice investments by farmers and land owners (to address unsustainable land use within the wetland ecosystems), supported by GEF-SGP



SUMMARY - Contracts being executed

Component 1

1. Hydrological Assessment
2. LiDAR assessment
3. Wetlands Assessment
4. Drone Programme

Component 2

5. West Indian Whistling Duck Assessment

Component 4

6. KAPB survey
7. Business marketing and Management Plan for NRPR
8. Train farmers in sustainable farming practices

Component 5

9. Mid-term evaluation

SUMMARY - Procurement status

Contract preparation

- Seagrass assessment
- Corporate Social Responsibility/PPP

Internal Approval

- Height, Density & setback requirements assessment
- Water level monitoring equipment

Negotiation

- Ecosystem Restoration Programme

Bid Evaluation

- Land survey and land tenure

Awaiting bids

- Green Business Initiative

TOR to be advertised

1. Integrated Pollution Control

TOR under review/To be drafted

1. Negril EPA Management plan
2. Guidelines for planning for the deceased
3. Impact of approved development on the environment
4. Negril EPA land use management plan

Equipment/tools to be procured

1. Drone



Thank You

