



ATKINS

St Lucia Coastal Habitat Mapping Project

Improving Our Understanding through
training and awareness raising



ENVISION



www.atkinsglobal.com

Introduction to the Event

Jonathan McCue
Atkins Ltd, UK

Introduction to the Event

- Your team!!
- Context of the Project
- Project Approach and Programme



The Presentation Team

- Jeffrey Euwema (CIPA) – GIS and Database Management
- Prof John Bythell (Newcastle University) – Tropical Marine Ecology
- Dr Ian Sotheran (Envision Ltd) – Marine Habitat Mapping
- Dr Martin Le Tissier (Envision Ltd) – ICZM
- Jonathan McCue (Atkins Ltd) – EIA/SEA and ICZM

Purpose of the Study

— Project Objective

‘To establish the basis for better informed planning , development and management decision making in respect of Saint Lucia’s coastline by collecting baseline data for coastal habitats and resources.’



Purpose of the Training

Designed to promote participation and experiential learning

To ensure all participants are aware of the approaches used in the project in a way which maybe used to guide future land use and development planning within St Lucia

Training Philosophy

There is an intimate link and relationship between the health and status of the marine environment and economic and social opportunity derived from future planning and development in other sectors, e.g. tourism and agriculture.

The CZMU needs support and buy-in from other line agencies in order to deliver its remit.

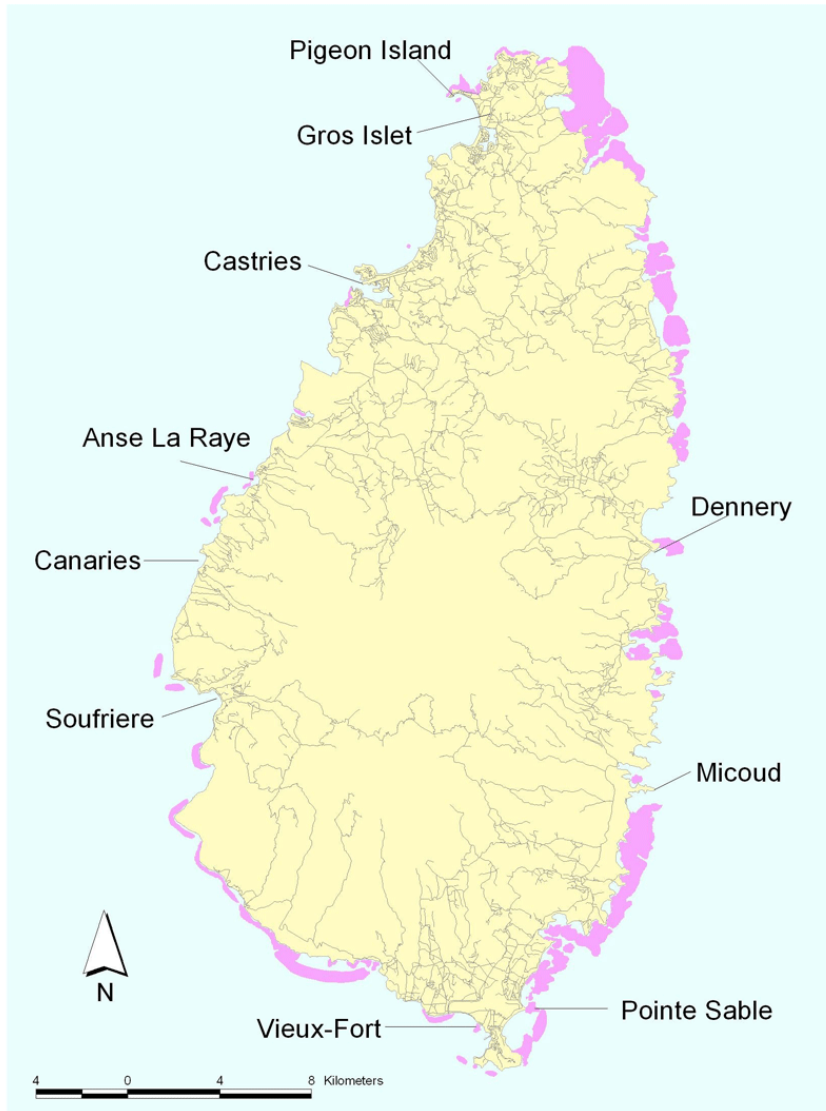
Training Needs

A Training Needs Assessment exercise was undertaken in March 09 to help design this event.

It concluded the need to :

- Appreciate the contribution that habitat mapping and databases can contribute to future coastal planning (linking to the existing EIA operational and procurement procedures).
- Understand how habitat mapping and databases (supplemented by field survey) can help understand the connectivity of land use planning to the marine environment.

...its about validating and improving existing Information



Coral Reefs in St. Lucia



Coral reef data come from the Millennium Coral Reef Mapping Project, the University of the West Indies, and the Government of St. Lucia.

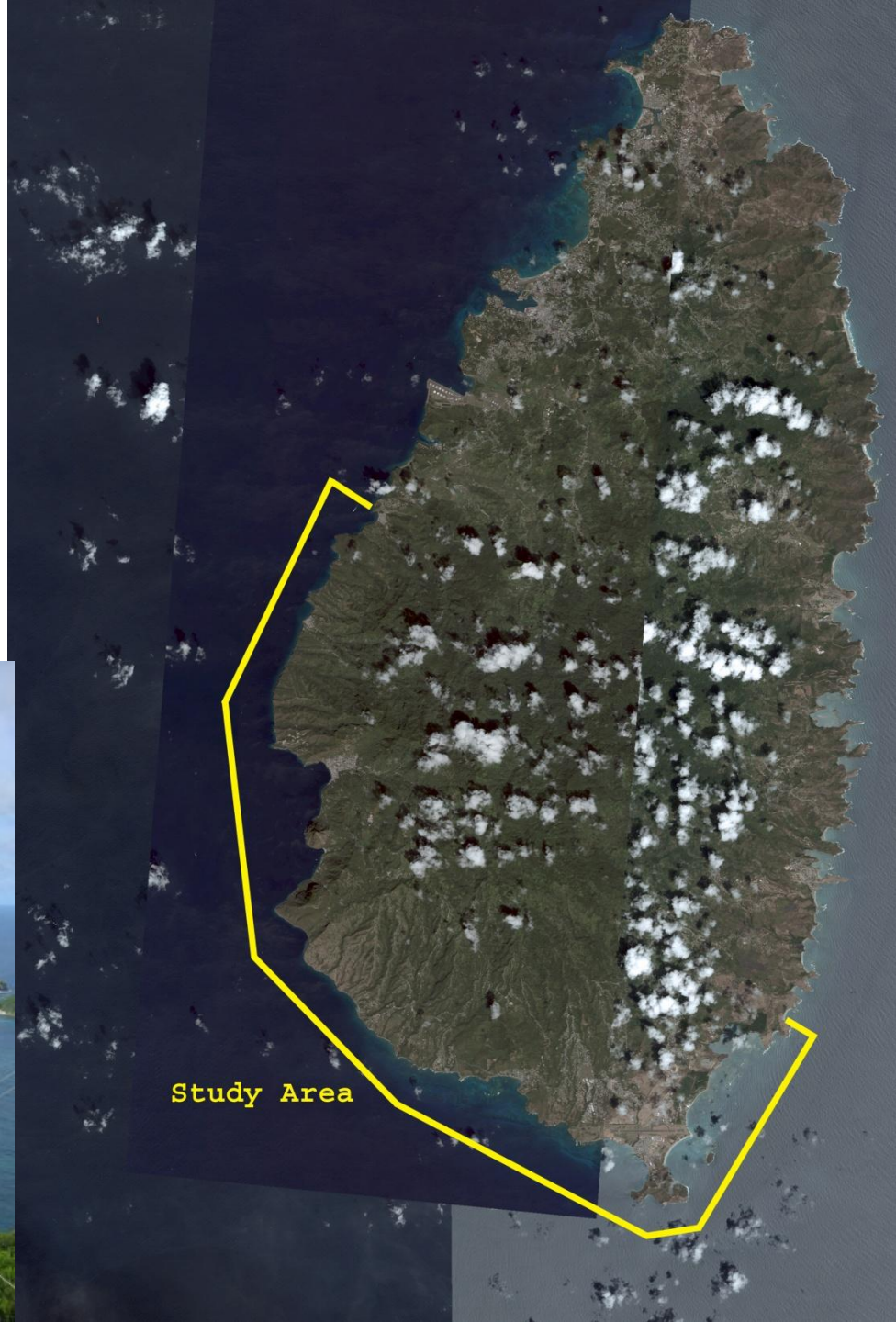
Map produced at WRI, May 2008.



FUGRO GEIOD

Study Area

Saltibus Point to Roseau Bay



Work Package Approach

Work Package 1- Inception Phase.

Work Package 2 – Airborne Image Acquisition and Processing.

Work Package 3 – Field Ground Truthing

Work Package 4 – GIS Database Development and Map Production

Work Package 5 – ICZM Reporting, Training and Recommendations

Project Outputs

- Inception Report
- List of available literature/databases on coastal resources;
- Coastal imagery data (resource maps, tables etc);
- Database on coastal resources and habitats;
- Recommendations on the use of other technologies;
- Final Report;
- Tender dossier for procuring such equipment as deemed necessary for effective future monitoring.

Outcome of the Study

— Project Objective

*‘To **establish the basis** for better informed planning , development and **management decision making** in respect of Saint Lucia’s coastline by collecting baseline data for coastal habitats and resources.’*

— Intended Project Outcome

*‘To help provide improved tools, clearer information on coastal habitats and a framework to enable St Lucian policy decision makers to **COMMUNICATE THE ECONOMIC BENEFITS AND NEED for INTEGRATED MANAGEMENT** of the islands natural resources (“Source to Sea concept”).’*



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Outline to Training Days

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Day 1 Tuesday 7 July 2009 - Coastal habitat mapping and databases

09.50 – 10.30

Session 1: Key concepts of habitat mapping

Ian Sotheran

10.45 – 12.15

Session 2a: Data collection for habitat mapping.

Jeffrey Euwema

Session 2b: Group work – What data is relevant for habitat mapping and why?

12.15 – 12.30

Session 3: St. Lucia Coastal Habitats

Ian Sotheran

LUNCH

13.30 – 14.15

Session 4: St. Lucia Coastal Habitat Database

Jeffrey Euwema

14.30 – 15.15

Session 5: Utilizing Coastal Habitat Maps and databases.

Jeffrey Euwema

15.15 – 15.30

Summary of Day 1 look forward to Day 2: Application of habitat mapping and databases to EIA and coastal management

Plan Design Enable



Outline to Training Days

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Day 2 Wednesday 8 July 2009 - Developing strategies for coastal zone management and monitoring

09.30 – 10.15

Session 6: Principles and practices: The potential role of SEA and EIA in coastal management

Jon McCue & Martin Le Tissier

10.14 – 10.45

Session 7: Linking land-based activity to the marine environment – health indicators.

John Bythell

11.00 – 12.00

Session 8: Identify and monitoring health indicators:

Group work – Which indicators can be linked to land-based activity?

12.00 – 12.30

Session 9: The contribution of habitat mapping and indicators to coastal management and the EIA process. John Bythell

LUNCH

13.30 – 14.15

Session 10: Looking to the future – pressures and impacts for coastal management.

Group work: What are the opportunities and threats to the future of St Lucia's coast

14.30 – 15.30

Session 11: Discussion on how current EIA process and institutional systems work and could be improved for better decision making in the coastal zone. Jon McCue & Martin Le Tissier