



Discussion Groups

11th and 12th February 2020, Antananarivo, Madagascar

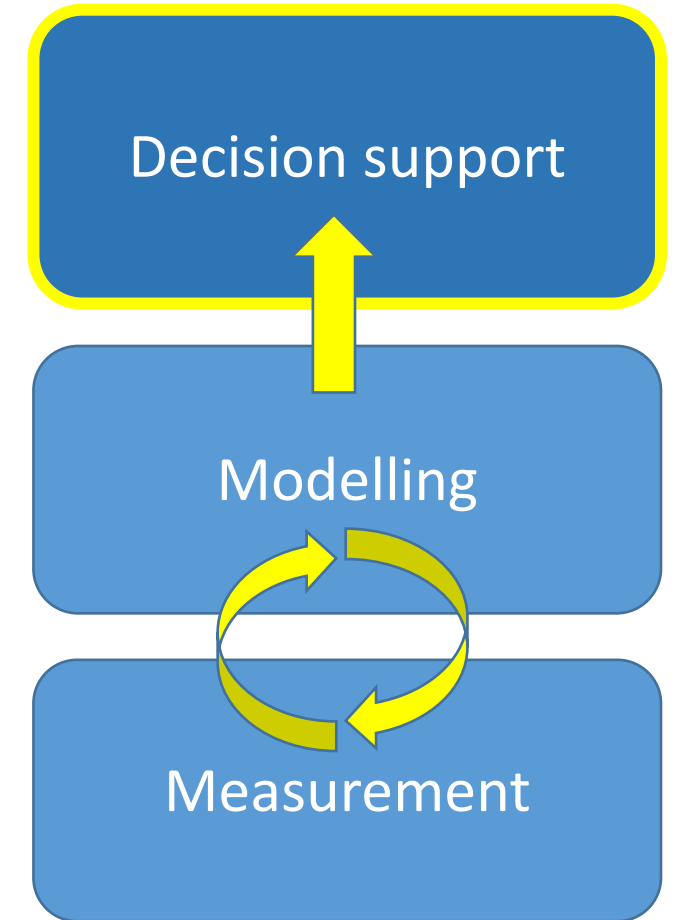


Objectives – Day 1

- Identify the key challenges faced by Madagascar due to a changing marine climate.
- Identify the extent to which C-RISe has contributed to meeting these challenges
- How can we build on this?

Objectives – Day 2

- Explore the needs of decision-makers and developing ideas as to how these can be addressed
- Agree recommendations for future research priorities on marine and coastal risks.
- Discuss development of local capacity for accessing and applying satellite data.



Sessions

1. Coastal Risk Information Priorities of Decision Makers
2. Gaps in Coastal Risk Information (Data, Resources, Research)
3. Priorities for Building Capacity in the Use of Marine Satellite data and Modelling in Madagascar

45 minutes per session
then 15 minutes to report back (5 minutes per theme)

Themes

A. Marine ecosystem monitoring and management
(Val Byfield)

B. Coastal zone management/coastal erosion
(Amani Becker)

C. Maritime conditions and operational decision-making
(David Cotton)

1. Coastal risk information priorities for decision makers

- Who are the **decision makers** within the theme?
(e.g. Central Government; Local Government; Operational Agencies; Local Communities; NGOs; Other)
- What **decisions** do they need to make?
(e.g. Real time operational decisions; Planning operations; Management activity planning; Coastal defense design; Other)
- What **information** do they need to inform these decisions?
- Maps
- Level of risk/threat to habitats, populations, infrastructure
- Summaries of marine/coastal climate conditions (by season, projected change)
 - What detail?
 - Analysis/statistics?
- Information about present conditions
- Others
- And – of these, what are the **priorities** and **why?**
(e.g. biggest impact on most people; urgent need to address before irreversible/major impact; etc.)

2. Gaps in coastal risk information

data, resources, research

- What sources of **data** and **information** are already available?

(e.g. Data sets (Local/Regional/Online); Monitoring; Research Projects; Computer Models; Others)

- What **resources** do you have access to for analysis and interpretation of the data?

(e.g. Computing resources (Hardware/Software/Internet connectivity); Scientific expertise (to interpret the data); Analysis; Others)

- Thinking of the Priorities Identified in Session 1, **what are the main gaps in your capacity**, to achieve these?

(e.g. Data sets, data bases (and derived analysis); Scientific Expertise; IT capability (Hardware, software, connectivity); Other)

3. Priorities for building capacity in the use of marine satellite data and modelling

- Review major findings from first two sessions in terms of major information requirements and gaps in information.
- Where can satellite data and modelling make the best contribution?
- Priorities for improving capacity
 - Access to Data
 - Data Processing Capability
 - Training
 - IT resources
- What about **adaptive capacity**? Examples could include:
 - Creating a self-supporting regional network to enhance data sharing and learning across organisations and countries;
 - Application of data together with policy considerations to explore future scenarios could enhance capacity to plan for potential changes and develop more effective management responses;
 - Identifying champions within organisations who can connect lessons from the data with decision making activities and identify windows of opportunity to actively connect science with policymaking.