Progress with the LME Transboundary Water Assessment Programme (TWAP) + LME Annual Meeting

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GEF funded project
Implementation: April 2013 to March 2015

Objectives:

1. A global baseline assessment of the status and changing condition of transboundary water systems resulting from human and natural causes, which will allow the GEF, policy makers and international organizations to set science-based priorities for financial resource allocation and

2. The institutional arrangements for conducting periodic future assessments of transboundary water systems to allow the GEF and others to track the results of their interventions.
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<th>Productivity</th>
<th>Fisheries</th>
<th>Pollution and Health</th>
<th>Socio-economics</th>
<th>Governance</th>
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<td>2. Primary productivity</td>
<td>2. Catch value</td>
<td>2. Coastal Eutrophication Potential</td>
<td>2. %GDP international tourism</td>
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<td>5. Stock status</td>
<td>5. Change in MPA coverage</td>
<td>5. Deaths caused by climate related natural disasters</td>
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<td>6. Catch from bottom impacting gear</td>
<td>6. Reefs at Risk Index</td>
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<td>7. Fishing effort</td>
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<td>8. Coral reef extent</td>
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<td>9. Cumulative human impacts</td>
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<td>10. Delta Vulnerability index</td>
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Key framing questions

• What are the current trends in LMEs and the main drivers?
• Which LMEs are most heavily impacted (for each theme and overall)?
• Which ecosystem services are most at risk?
• What are the implications for humans?
• Where is human dependency greatest on LME ecosystem services?
• Where are humans most vulnerable to changes in LME condition?
• What is the status of the governance architecture in transboundary LMEs?
• What are the emerging issues?
Principal target audience is the GEF, but other potential users of the TWAP results include existing global assessment processes: eg World Ocean Assessment (WOA), GEO-6, IPBES, SDG process

- Donor community

- LME community of projects (input to TDA/SAP)

- Data will be available to users of the assessment results through websites, spatial data infrastructure and reports

- The indicators and baselines may be relevant to environmental assessment and planning at Regional Seas and other scales
• DEMO OF THE TWAP MARINE PORTAL
What are LMEs?

Socio-economic importance of LMEs

Changing status of LME health

The Global Environment Facility's support for LMEs

TWAP LMEs Assessment Methodology

LMEs Conceptual Framework

ICEP, Index of Coastal Eutrophication, categorized from lowest (1) to highest (5) values

Source: E. Mayorga. get data and metainformation

LMEs
Productivity
Fish & Fisheries
Pollution
Nutrients
ICEP
DIN loading
Merged indicator
Plastics
POPs
Ecosystem health
Socio-economics
Governance
General information

Western Pacific Warm Pool

Global Comparative Assessment
What are LMEs?
Socio-economic importance of LMEs
Changing status of LME health
Data download (*.zip)

ISO Metadata document
Data download (*.zip)

ISO Metadata document
Next steps….

- Peer-review process of technical reports (on-going)
- Finalization of TWAP marine portal (including LME/GEF user feedbacks) (Oct-december)
- Launch of Web site in January 2015
- Finalization and launch of reports/SDM – April 2015

- Rolling out the TWAP products (GEF, WOA,
- Working out sustainability arrangement for TWAP
- Level 2 Assessment
- Capacity development
“…provide a regular global forum for GEF-funded marine and coastal leaders and institutions, aimed at sharing experiences and lessons with respect to ecosystem-based governance.”
Specific objectives of the Annual meeting:

- Foster a mutually supportive global network of leaders and institutions engaged in marine and coastal ecosystem based management by providing a forum for project (i.e. LME, ICM, MPA, others) leaders to discuss experiences and lessons learned.

- Mobilize knowledge resources, new scientific applications and tools to support project implementation and organizational action related to priority knowledge topics.

- Review marine and coastal project progress in regions, disseminating best practices amongst projects, and discuss emerging issues requiring common responses.

- Share lessons learned from existing efforts with regard to the LME Governance project priorities and identify future priorities to help guide the COP Project;
• IOC provides Technical Secretariat/ (also ExA/PCU of the GEF LME-Connect Sec)

• Planning committee composed of GEF, NOAA, UNDP, ICES, IUCN, IOC and a small group of LME project

• LME 16 focused on operationalizing LME-Connect project objectives/outcomes and expected outcomes and engaging marine and coastal project leaders
4 themes:

• Building Global and regional **networks** of partners to enhance ecosystem-based management and to provide support for the GEF-IW LME/ICM/MSP/MPA projects.

• Mobilizing **knowledge**, capturing best LME governance practices, and developing new tools to enhance the management effectiveness of LME, ICM, and MPAs.

• Strengthening capacity and partnership building through **twinning**, learning exchanges, and training among LMEs and similar initiatives.

• Providing **communication**, dissemination and outreach of GEF LME/ICM/MSP/MPA project achievements and lessons learned.
Outcome and next steps

• 70 + participants
• Positive feedback, need to broaden to other GEF coastal projects, strengthen regional caususes, create linkages with MPA, ICM, MSP communities within regions, twinning & CD opportunities identified, communication strategy tools for outreach/policy
• Input to LME governance project
• Next meeting in July 2015, welcome you to Paris
• Steering Committee of the meeting to be reactivated
• Volunteers?
Thank you!
Merci beaucoup!
¡Muchas gracias!
شكراً
Спасибо
谢谢