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Adaptation of the LME Approach

Evolution of the GCLME Project

by

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Facts

- **Healthy Ecosystem : A resource for Healthy Economies**
- **Role is diminished by a plethora of stressors**
- **Without Stressors, Nature restores, regenerative capacity**
- **Implement effective remedial programmes for improving quality of degraded habitats**





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Facts (ctnd)

- From an ecological perspective, the critical processes controlling the structure and function of biological communities can best be addressed on a regional (ecosystem-wide) basis.
- Large Marine Ecosystem approach that simultaneously considers resources, ecosystem processes, human activities and the interactions of these components holds the greatest promise for finding sustainable solutions for management of marine and coastal environment and resources.





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Data Base

Include a range of activities needed to provide management information about ecosystem conditions, tracking perturbations and resources at risk

- Before GCLME Project : data spatially and temporally fragmented, lack of comparability and inaccessibility.**
- Currently Data obtained from time series assessments based on 5 Modules.**





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Evolution

To a Management System that includes

- ➔ 1 Regulatory
- ➔ 2 Institutional and
- ➔ 3 Decision-Making aspects

Relating to Marine Ecosystems and their Resources





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Regulatory

1. & 2. Productivity / Fisheries



- 3 Region wide cruises and Historical data / Info
- Baseline info on Prim. + Sec. Prod. Established for upwelling areas
- Biodiversity status of plankton updated on a regional scale
- MSY Indications
- Restriction in Licensing of boats (Ind. / Art. Conflict)
- Definition of Commercial Fisheries (Target species)
- Monitoring, Control and Surveillance
- Fishery Management Plans
- Best practices in Aquaculture established





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Regulatory (Ctnd)

3. Pollution and Ecosystem Health



- **Common Effluent Standards**
- **Regional Spill Contingency Plan**
- **Updated Emergency Protocol**
- **Standardized ESI Maps**
- **Protocol on Land Based Sources (NPA-RPA)**

- **First Mangrove Reserve Established in South East Nigeria (Nov, 2005)**
- **Angola and Cameroon in Line (Rio del Rey) and**
- **Restoration ongoing in most countries**

- **Decision against Habitat Destruction**
- **Zoning Restrictions to Apply**
- **Set back lines defined**





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Regulatory (Ctnd2)

4. & 5. Socio-Economics / Governance



- Evaluation of Ecosystem Goods and Services
- SAP – Policy (Strategies) and Investments
- IGCC  GCC enshrined
- Consultative and Decision / Action Mechanisms defined





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Institutional

- Regional Coordination Unit fully functional
- Effective Steering Committee
- Council of Ministers



- Regional Activity Centres

Hubs of Technical Programmes





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Mechanics of Institutional Sustainability

→ **Host Country Pays**



Location and Utilities

→ **Host Countries Support**



MOUs



Regional Activity Centres

→ **Financial Mechanisms to be defined**



Donors Conference (ADB – 2008)

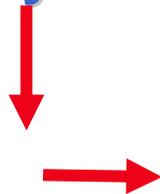




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Decision Support

- Regional Scientific / Technical Advisory Committees
- National Inter-Ministerial / Cross-Sectoral Committees
- Network of NGO's / CBO's with PPA Work Plan
- Regional Activity Centres



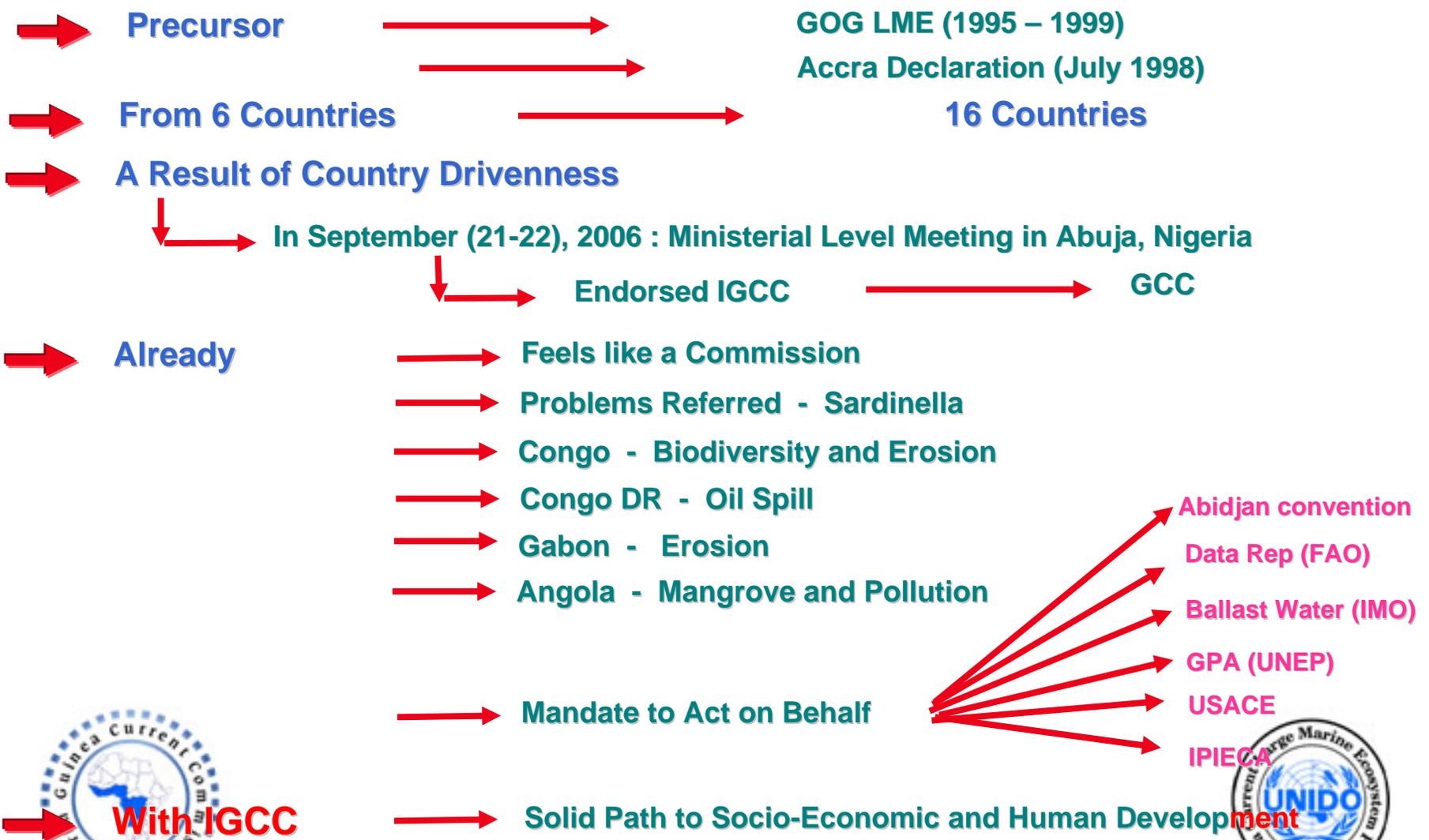
EPAs / Fi.Ds /Fo.Ds





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Concluding Thoughts





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Thank You for Your Kind Attention

