



Massive Online Open Course on Large Marine Ecosystem Assessment and Management



MOOC Development Team:

Dr. Kenneth Sherman (NOAA)

Dr. Coleen Moloney (The University of Cape Town)

Centre for Innovation in Learning and Teaching (The University of Cape Town)

Mish Hamid (GEF IW:LEARN)

Emma Kelley (NOAA)

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What is a MOOC?

Massive  Online  Open  Course 



Our Vision

Create a MOOC to leverage the knowledge of the global LME network and build the global capacity to assess and manage LMEs through ecosystem-based management.



Target Audiences

- working professionals
- graduate students

Participation Requirements

- Complete each course assignment
- Engage with all course material



On successful completion of the MOOC, participants will:

- Have gained knowledge of the diversity of the world's large marine ecosystems and the main challenges facing them
- Have gained appreciation of the range of potential LME impacts and how these span local and global scales
- Have gained appreciation of the complexity of trying to manage human activities across sectors and political boundaries
- Understand the scope and inter-disciplinary nature of ecosystem-based management
- Understand the paradigm shift from single-sector management to EBM
- Understand the five-module approach for large marine ecosystems assessment and management
- Understand the use of indicators in ecosystem assessments
- Understand the productivity module and the fish & fisheries module
- Understand the sources of and threats posed by marine pollution
- Have gained a working knowledge of ecosystem health
- Understand the socioeconomics module
- Understand the governance module
- Be familiar with the GEF and LME network of partners
- Have gained appreciation of the best practices for managing human activities across sectors and political boundaries to support LME sustainable development
- Know how to carry out a first-draft assessment of a selected marine ecosystem using productivity, fish and fisheries, pollution and ecosystem health, socioeconomic and governance indicators
- Know the different approaches and tools that can be used for ecosystem-based management across multiple sectors.
- Understand Transboundary Diagnostic (TDA) and Strategic Action Programme (SAP) development and implementation
- Know how to carry out a first-draft TDA of a selected marine ecosystem.
- Know how to navigate specific processes and systems of the United Nations for LME funding, assessment, and progression
- Gain the experience to scope out an implementation plan for ecosystem-based management in a selected LME
- Gain the experience to critically examine successes and challenges in ecosystem-based management
- Gain the experience to understand, in detail, two case studies exemplifying ecosystem-based management in large marine ecosystem project



Current Progress

- Syllabus developed
- Formalizing the agreement UNESCO-IOC (GEF IW:LEARN) and UCT



Sneak peak!

6-week course:

- Introduction to the Course
- **Week One:** Large Marine Ecosystems and Ecosystem-based Management
- **Week Two:** The five modules for LME monitoring and assessment
- **Week Three:** Pollution and Ecosystem Health
- **Week Four:** The Human Dimension – Socioeconomics and Governance
- **Week Five:** Tools and actions – implementing marine ecosystem-based management across sectors and political boundaries (TDA/SAP)
- **Week Six:** Taking it home – applying best practices to LME management



Potential moving forward

- Multiple runs
- Opportunities to expand?



Thanks for listening!

Any questions?

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Dr. Kenneth Sherman (NOAA)

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CILT (UCT)

Mish Hamid (GEF IW:LEARN)

Emma Kelley (NOAA)

email: emma.kelley@noaa.gov



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