



LME19 CAPE TOWN

29 NOVEMBER-1 DECEMBER 2017

XIX Annual Consultative Meeting on Large Marine Ecosystems and Coastal Partners

Summary Report

Cape Town, South Africa

29 November – 1 December 2017



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1. Objectives of the meeting

The primary objective of the annual LME meetings is to provide global forum for GEF-funded and other marine and coastal practitioners, leaders and institutions, aimed at sharing experiences and lessons with respect to ecosystem-based governance. The LME Annual Meeting contributes to the development of the LME Partnership by engaging marine, coastal management, biodiversity and coastal climate change adaptation project leaders in meeting that objective. Generally, the aim of the LME annual meetings is as follow:

- To foster a mutually supportive global network of leaders and institutions engaged in marine and coastal ecosystem based management by providing a forum for project (LME, ICM, MPA, MSP, other) leaders to discuss experiences and lessons learned;
- To mobilize knowledge resources, new scientific applications and tools to support project implementation and organizational action related to priority knowledge topics;
- To review marine and coastal project progress in regions; to disseminate best practices amongst projects; and to discuss emerging issues requiring common responses; and
- To share lessons learned from existing efforts with regard to the LME:LEARN project priorities (i.e. regional networks, capacity building training and twinning) and to identify future priorities to help guide the implementation of the projects.

More specifically, the goal of the 19th LME Annual Meeting (LME19) was to share experiences and lessons with respect to ecosystem-based governance of the oceans by engaging GEF-funded project leaders and other practitioners in support of meeting the objectives of the GEF LME: LEARN project.

In addition to the above, specific objectives of the LME19 were to:

- Consolidate the implementation of the activities of the three working groups of the project (Governance, Ecosystem Based Management, and Data and Information Management) and provide directions for their future activities;
- Review progress in the preparation of the toolkits;
- Discuss possible activities that working groups could undertake in the future;
- Explore possibilities to intensify activities of the regional networks;
- Carry out short-term targeted trainings for project managers on economic valuation of “wet” ecosystem services, and on communications, website and spatial data management.

The expected outcomes of the LME19 were:

- Toolkits’ drafts reviewed and comments given;
- Programme of the working groups’ activities in 2018 discussed; and
- Project managers trained on implementation of economic valuation of “wet” ecosystem services and on communications, website and spatial data management.

2. Agenda at-a-glance



Agenda at a Glance

Wednesday 29 November

9:00 - 10:30

Plenary 1

Opening of the meeting



10:45 - 12:30

Plenary 2

Working groups: Governance and EbM

Introduction



14:00 - 16:00

Breakout Sessions

Working groups: Governance and EbM

Discussing the toolkits



16:15 - 18:00

Breakout Sessions continued

Thursday 30 November

9:00 - 10:30

Plenary 4

Capacity Development

10:30 - 11:00

Plenary 5

Regional Networks



11:15 - 12:45

Plenary 6

Working group:

Data & Information Management

12:45 - 13:00

Plenary 7

Closing



15:00 - 19:00

Field Trip to Robben Island

Friday 1 December

09:00 - 13:15

Training: Economic Valuation of "Wet" Ecosystem Services



14:30 - 18:00

Training for GEF projects: Communications, Website and Spatial Data Management



3. Summary of sessions (1-7)

SESSION 1: OPENING OF THE MEETING

Session Chair	Ivica Trumbic, GEF LME:LEARN PCU	
Time	Title	Name
09:00 09:30	Welcome	IOC/UNESCO UNDP GEF
09:30 09:45	Objectives and structure of the LME19 Annual Consultative Meeting	Ivica Trumbic, GEF LME:LEARN PCU
09:45 10:30	Outcomes of the Partnership Meeting and discussion on the implications for LME, MPA, ICM, and MSP projects in regions	Moderator: Julian Barbière, IOC/UNESCO

Major institutional representatives of the LME partnership (Mr. Julian Barbière, Head of the Marine Policy and Regional Coordination Section of IOC-UNESCO and Mr. Andrew Hudson, Head of the Water and Ocean Governance Programme of UNDP. Mr. Ivica Trumbic, Chief Technical Advisor to the LME:LEARN presented the main objectives and agenda of the meeting.

Mr. Julian Barbière, IOC/UNESCO, presented the main conclusions of the meeting “Building International Partnership to Enhance Science-Based Ecosystem Approaches in Support of Regional Ocean Governance” that was held in Cape Town on 27-28 November 2017. He emphasized the fact that meeting participants recognized science as a good starting point to initiate collaboration and dialogue between partners in regional ocean governance and that Large Marine Ecosystems (LMEs) are in a good position to facilitate that dialogue. This dialogue shouldn’t start from scratch as there is enough good practices that could be shared among partners to stimulate ideas how to improve regional ocean governance. The meeting participants also agreed that an information-sharing platform should be built to facilitate exchange and dialogue. This platform should respond to the countries’ needs as they should be its main users considering that the dialogue and collaboration has to start at the national level. Finally, he stressed that on all three counts, the LME:LEARN project is well positioned to be the central hub for the proposed activities because its main objective is to facilitate knowledge and information exchange among the LME stakeholders.

During the plenary discussion, the conclusions and recommendations of the Partnership Building Meeting were fully supported. It was stressed that full use should be primarily made of the LME:LEARN platform (marine.iwlearn.net) complemented by other existing information sharing mechanisms and platforms such as OCTO (Open Communications for the Ocean, which offers OpenChannel as one of its projects). Many other stakeholders, which were not present at the Partnership Building Meeting, should be contacted and invited to participate in this initiative. The proposed information-sharing platform can be very useful in facilitating exchange of the countries’ reporting on their contributions to the requirements of SDG 14. A practical template could be developed to present their contributions. The need for regional ocean governance stakeholders’ mapping was also mentioned by some participants. Similarly, the platform could be used to map the mandates of organisations involved in regional ocean governance. Finally, the platform could be a tool to bring together private sector, academia, civil society and international organisations.



SESSION 2: WORKING GROUPS ON GOVERNANCE AND ECOSYSTEM BASED MANAGEMENT: INTRODUCTION

Session Chair	Wojciech Wawrzynski, ICES	
Rapporteur	Lauren Wenzel, NOAA	
Time	Title	Name
10:45 10:55	Objectives, structure and expected outcomes of the session	Wojciech Wawrzynski, ICES
10:55 11:05	Introduction to the toolkits	Lauren Wenzel, NOAA
11:05 12:15	Presentation of the toolkits (10' for each toolkit)	Facilitator: Wojciech Wawrzynski, ICES
12:15 12:30	Linking the toolkits	Ivica Trumbic, GEF LME:LEARN PCU
12:30 12:45	EU MSP Roadmap and interaction with the LME community	Alejandro Iglesias-Campos, IOC/UNESCO

The purpose of the session was to provide a brief introduction of the toolkits to the participants. The toolkits were developed within the mandate of two Working Groups (Governance and Ecosystem Based Management), hence the decision to have a joint session.

In his opening intervention, Mr. Wojciech Wawrzynski stressed that, when speaking of the toolkits, we have to think in terms of them being one set of tools that is comprised of seven different parts (toolkits), and not as seven different and loosely related products. The aim of such an integrated toolkit is to harmonize the integrated management and governance of transboundary water systems and other ecosystem-based approaches. The toolkit will create a legacy impact, maximizing the long-term benefits of the GEF-IW LME projects, and improving the effectiveness of the IW portfolio.



An introduction and overview of toolkits was given by Ms. Lauren Wenzel, NOAA. The purpose of the toolkits was to share best practices from inside and outside the LME community, share examples of application of best practices and to point to existing resources related to thematic aspects covered by the toolkits. She reminded the audience of the outcomes of the expert meeting held in October 2017 in Paris, when all the toolkits were reviewed and instructions given for their finalization, in particular with regards to the common platform/portal for their presentation, common template, glossary and capacity building. The key questions for discussion in subsequent session, when the participants will be divided in seven groups (session 3) are:

- Do each of the toolkits cover the necessary content?
- What are the most important connections among the toolkits?
- What are some additional case studies that should be considered?
- What are the ideas for best delivering toolkits to users?

Mr. Ivica Trumbic spoke about the linkages among the toolkits. He mentioned that a well-integrated set of toolkits should be considered as a “platform” in itself. It should allow an easy navigation between the toolkits, which should be linked via hyperlinks, reference notations, web page notifications etc. All the toolkits are, by definition, well connected and the matrix that he has shown clearly indicates how deep these connections may go. He also mentioned how within a certain management process, such as Marine Spatial Planning, several toolkits could be simultaneously used.

Mr. Alejandro Iglesias-Campos presented the EU MSP Roadmap. The objective of this initiative, where IOC/UNESCO is one of the partners, is: (1) to develop a guidance document on international cross-border maritime spatial planning; (2) to support concrete actions in the selected sea-basins helping to build capacity for maritime spatial planning; and (3) to support the establishment of lasting mechanisms for cross-border cooperation. One of the activities is the creation of the MSP platform in the South-eastern Pacific and the Western Mediterranean. He suggested areas where the IOC/UNESCO and EU DG MARE MSP initiative could benefit the LME community, namely: (1) synergies could be created to share methodologies and lessons learnt amongst LMEs; (2) LME practitioners could be invited to contribute to the IOC expert meetings and the MSP International Forum on MSP Cross border/transboundary international guidelines; and (3) potential Joint Capacity Development actions with LMEs in French, Spanish, Portuguese and English could be carried out.



SESSION 3: WORKING GROUPS ON GOVERNANCE AND ECOSYSTEM-BASED MANAGEMENT: DISCUSSING THE TOOLKITS (BREAKOUT SESSIONS)

Session Chair	James Oliver, IUCN	
Rapporteur	Ana Guzman, CI	
Time	Title	Name
14:00 14:15	Reflections on the questions asked by participants during previous session	James Oliver, IUCN
14:15 16:00	Breakout sessions on the toolkits (Group chair's name in brackets): <ul style="list-style-type: none"> ● Governance (Ellen Johannesen, ICES) ● LME Strategic Approach (Lucy Scott, IOC/UNESCO) ● LME Project Approach (Stephen Donkor, IOC/UNESCO) ● Environmental Economics (Luke Brander, IUCN) ● Stakeholder Participation (Ana Guzman, CI) ● LME Scorecard (Johanna Polsenberg, CI) ● Marine Spatial Planning (Clare Waldmann, s.Pro) 	Small groups
<i>Coffee break 15 minutes (16:00-16:15)</i>		
16:15 17:45	Breakout sessions on the toolkits (continued)	
17:45 18:00	Final Plenary: Next steps, Follow-up	Ivica Trumbic, GEF LME: LEARN PCU

The participants were divided into seven groups, each one discussing the specific toolkit. The aim of each session was to assess the progress and discuss the potential use of the toolkits. The ideas presented would help the toolkit developers to finalise them. The summary report of each breakout session is presented below.

Governance toolkit

The group was divided in three sub-groups to discuss the contents of the draft Governance Toolkit and ideas for further strengthening it. The Governance Working Group co-chairs summarized the contents of the Toolkit and explained that it was developed by a working group over the past year, and was near completion. The breakout groups then discussed topics that could be added or further developed within the Toolkit, as well as suggestions for its distribution and use. Suggestions related to the Toolkit content include:

- Governance is central to LME projects, and should link to all the other toolkits (link to environmental economics in sustainable financing section);
- Subtitle or tagline should be added to better explain the main headers (e.g. to explain the difference between good governance and effective governance);
- Enforcement and compliance aspects should be added (possible examples include the North Pacific Anadromous Fish Commission, and the London Convention on ocean dumping, which provide technical assistance to countries to enforce). However, the participants added that enforcement and compliance are mainly done at national level, and that there is a potential for joint enforcement agreements and collaboration.

- Reference to national ocean policies and legal frameworks should be added, i.e. how they can support or sometimes be in conflict with regional policies (examples of links between the national and regional scale include the Coral Triangle Initiative and the Eastern Caribbean);
- Barcelona Convention could be added as an example of well-developed ICZM policy;
- Cultural differences among countries in working at the regional scale need to be recognized (e.g. Canada's recognition of indigenous peoples in some MPA designations);
- Assessing governance (IUCN publication on Protected Area Governance and How is My MPA Doing are good examples);
- Science needed for management and ways to support LME needs to be recognized (e.g. common protocols, reporting formats, overcoming reluctance to provide data);
- Mention voluntary fishing ban in Central Arctic Ocean as an example of high seas governance;
- Add World Bank governance index, which also includes the corruption index;
- Recognize institutional frameworks;
- Address interagency conflicts (e.g. disputes over roles, authority); Juan Fernandez MPA in Chile is an example of where agency rivalries were overcome.

Suggestions related to Web presence and distribution are as follows:

- Easily searchable keywords
- Low bandwidth options for easy access;
- Consider wiki format that is editable by users;
- Plan for long-term maintenance and updates of tools;
- Plan for user feedback and revisions based on user feedback;
- Provide links to other resources (e.g. on-line chats, webinars, and continuous education).



LME Strategic Approach Toolkit

Ms. Lucy Scott presented the main objective of the LME Strategic Approach Toolkit, which is to utilize the accumulated knowledge within the LME Portfolio to create a strategic approach for future LME projects that will assist decision makers, project developers and managers in implementing new projects in LMEs, as well as improving the management of old ones, both within and outside of the aegis of GEF. The LME projects are, by definition, “strategic” projects because they cover large territorial areas, involve many stakeholders at different levels and deal with the multiplicity of thematic subjects. Projects that have been executed to date have largely followed the well-established LME process starting with the development of TDA and SAP, implementation of SAP through various forms of partnerships with the implementation of specific priority projects. However, even if all the LME projects have been quite complex in nature, sometimes they have lacked a coherent strategic approach that should bring convergence of projects’ objectives, activities and results and, ultimately, would deliver a strong message to those benefiting from projects’ results. This toolkit also responds to the need for re-evaluating and strengthening the ecosystem-based, 5-module approach for assessment and management of LMEs, and the need for incorporating complementary ecosystem based management approaches into the LME process.

During the discussion, the following suggestions were given:

- Include emerging topics, e.g. climate change, gender, partnership development, coordination;
- Improve the TDA-SAP process to make it run smoothly;
- Pollution module should include marine litter / Plastics? Again a significant issue – not new but reaching global awareness
- For the Annex, the following was proposed:
 - MPAs and Refugia are tools on the management, not strategic level;
 - For the NAPs, too many tools were mentioned; the toolkit needs to be selective; an input from the LME community would be useful;
 - EAF or EAFM (preferred term) could be presented;
 - TDA and SAP briefs (BOBLME as an example) should be presented.

The group also discussed the following issues:

- The deadlines for the toolkit finalisation and presentation. It should take into account that the mid-term evaluation of LME:LEARN will be carried out soon, while the closure of the project is 18 months from now.
- The template for experience notes.
- The LME assessment toolkit will also be used to monitor projects’ implementation.
- Five-modules:
 - All areas have to be covered and all links have to be established and made clear;
 - Ecosystem wellbeing should be singled out and it shouldn’t be presented with the pollution issue;
 - Blue economy must be a sector under socio – economics;
 - Pollution and marine waste must both be addressed separately.
- Sustainable financing: linked to the project cycle toolkit.
- TDA methodology: it must be a multipurpose tool.
- Draft flow diagram presented in plenary is an improvement to the 5-module diagram, and it is good to show governance in the centre.

- Reference should be made to the TWAP Governance report and feed this into the TDA/SAP methodology.

LME Project Cycle Toolkit

Mr. Stephen Max Donkor presented the objectives of the session as follows:

- Discuss the purpose, presentation and table of contents of the LME Project Cycle Toolkit;
- Solicit inputs from project managers and other participants on case studies and best practices for inclusion in the Toolkit;
- Solicit inputs on how to include sustainability considerations into the design of LME project document based on experiences of completed projects and evaluations, both from GEF and non-GEF projects.



The key outcomes of the discussions were as follows:

- All participants agreed with the purpose of the toolkit as presented in the short description provided at the beginning of the discussion. Its purpose should be to provide a step-by-step guide for the preparation of LME project documents, such as Concept Note, Project Identification Form (PIF) and Project Document (ProDoc). It should utilize the experiences gained and definitions/formats used in a growing body of GEF funded LME projects. Its focus should be on preparation of LME project documents and linkages need to be established with other toolkits, in particular those on LME Strategic Approach, Stakeholder Analysis, Economic Valuation and Governance.
- The abstract of the toolkit was discussed and accepted with minor changes. The key point was that the approach was accepted as reflecting the participants' understanding of what a toolkit should be. This approach is to provide links between the concepts, definitions, methods and case studies on best practices to be used by LME practitioners, managers and other stakeholders. The links should provide information from GEF and IW:LEARN sources as well as those of the EBM agencies and partners. The anticipated results are to ensure consistency in project proposals and reduce costs and efforts in projects' preparation.
- The proposed Table of Contents was discussed at length and suggestions were made for additional inputs on the following:
 - Need to include some of the discussions on the relationship between Regional Seas and the LMEs;
 - Add a section on Program Framework Document to chapter 2 on PIF;
 - Add discussion on indigenous people to section 2.5 (gender Equality and Women's empowerment);
 - Add Regional to National Priorities in section 2.9;

- Add Signing of the SAP under section 4.5.4.
- Further discussion focused on Chapters 5 – LME Case Studies and Experiences and Chapter 6 - Ensuring Sustainability is Embedded in Project Design. Many of the participants indicated that they will provide case studies by email to the consultant a week after the meeting for inclusion in Chapter 5.
- The discussion on sustainability was very interesting and many participants committed to provide short write-ups on how to pre-emptively include sustainability factors in project design. Some suggestions in this respect included:
 - Ensuring gradual inclusion of project costs into beneficiary institution budget lines and internal plans;
 - Avoiding agencies' mandate overlaps and duplication;
 - Nurturing project champions within the beneficiary institution and governments;
 - Shortening gap between project preparation and project start as well as between TDA and SAP;
 - Avoiding loss of staff post project by transitioning project staff onto beneficiary institution payroll and budget.

Environmental Economics Toolkit

The discussion in this breakout group revolved around the following series of issues:

- Toolkit as a guidance document or a toolkit: It should be for non-experts needing general introduction and should introduce information on each tool within the toolkit explaining how they work and what information is needed and can be produced while using the tool. It was agreed that some methods are simple while some are more complicated; this toolkit responds predominantly to the former but with scenarios that can be followed for the latter. Strengths and weaknesses of each method is outlined to guide which method is relevant to use.
- Ways of measuring vulnerability in context of the hazards of - and exposure to – negative and uncertain events affecting people's lives: The toolkit responds positively to this requirement but not in great detail, although case study material will give good guidance.
- The most relevant economic valuation method: Economic valuation as a concept does not work and/or is not recognised at a "philosophical" level in some countries (e.g. Bolivia, Ecuador) so some kind of disclaimer or explanation may be necessary; in this context a multi-criteria analysis is needed.
- Ecosystem services valuation: All ecosystem services are analysed in the toolkit using different valuation methods, Toolkit follows the step-by-step approach. Use of valuation method depends on combination of services.
- Target audience and user expectations: Target audience is a wide range of stakeholders generating relevant information who will use the toolkit to make a case and influence decision makers.
- Evaluation of validity and robustness of EIAs: Loss of value of ecosystem services is covered in the economic valuation toolkit, and this will support the EIA process.
- Lessons learned in using such tools in conflict situations and dealing with uncertainty: Experiences and degree of take-up are mixed, many evaluations of these processes exist, but parameters are very variable. Relevant case study can be included.
- Constraints and weaknesses of subsidies and their sustainability amid review of policy instruments: Best addressed through case study material.
- Combining of tools in spatial planning: This is a whole toolkit in itself.

- Information needed in the context of legal processes and compensation: This is very national-specific, and important in tourism-rich regions. Intertwining of legal and economic aspects in costing of ecological restoration following damage should be covered.
- Blue economy used as a term at LME level: LME-level studies are under way in East Asia Seas (PEMSEA): 10 national-level analyses, 3 sub-regional and 1 at Western Central Fisheries Commission level – wrapped into regional sea level for presentation to politicians. It is a good example as it is transboundary and mobilising multiple sectors (shipping, MPA, etc.). Pacific and Caribbean have also good case studies. An ICM example is from Orissa, India showing what the coast could yield economically according to different (conservation vs development) scenarios.
- Climate change: The approaches to adaptation need specific position in the toolkit and it will have a dedicated chapter.



In addition to the above, the following comments and suggestions were given:

- Risk analysis: People struggle with this concept, hence link to relevant examples is important.
- Strengths and weaknesses: Nature valuation often seems to get trumped by economic interests.
- Some guidance as to the cost of implementation would be useful.
- Indigenous people's view on economic valuation is often not compatible due to strength of cultural values. Examples how to handle guidance would be useful in form of recommendations and advice. UNESCO science division does handle some of these issues and references are available.

- Examples of control of development of tourism development in sensitive coral reef area or offshore mining versus MPA.
- A bibliography of case studies would be very useful.
- Environmental economics is a very broad field. Chapters could be put into more logical order ensuring more links between concepts with critical ones listed higher up. Introduction is important because it explains logic behind ordering of chapters.
- Target Scenario Analysis – how numbers are translated into recommendation to sectors: It is very important to managers to get beyond the numbers (use example from Guatemala).
- Platform hosting the toolkits should be visual and user friendly.

Stakeholder Participation Toolkit

The session started with a brief introduction of the participants during which a set of initial comments was posted, namely:

- The success comes from the participation and the motivation of stakeholders. The stakeholders' issue is central to several toolkits: The governance toolkit has a stakeholder participation module and it can be part of the Scorecard toolkit too.
- The stakeholder participation is a critical component of any project. The example of the Benguela Current project was presented to show instances where stakeholder participation was important. They have a special facilitator for TDA and SAP implementation. The project has been renewed in several phases during 15 years, keeping the same consultant during this period. The TDA and SAP process is vital for this type of facilitation.
- Usually, stakeholders are quite clearly defined. However, when the stakeholders are less organized, can the same level of success can be expected?
- The participants described several cases illustrating concerns that were mentioned in the discussion, as well as ways to deal with them. These examples will be used when the toolkit will be finalized.

The discussion then turned to more specific issues and questions related to the development of the toolkit. Participants were asked to propose case studies where stakeholder involvement was very prominent. The following was suggested:

- It is important to hire local people from the community.
- It is Important to find a good communicator (convenor); the first step would be to have someone who can introduce all the scientific data to the community knowledge.
- The leaders should not tell promises that they cannot achieve. They should tell everything to the people. Building trust in the communities and being honest is important.
- Good leading champions of countries are needed. They can trigger other countries in the good direction. Some think that institutions should better champions than people.

Regarding the shape of the toolkit, the participants proposed that different online segments for each component (displayed in videos) should be created. Also, the possibility of translating toolkits into local languages should be explored. Science should be presented with graphics and appealing presentations. User-friendly modules. There is a need of a visual designer who can create something attractive.

Participants also gave proposals how to maximize the usefulness of the toolkit. Stakeholders should not only be identified but they should also be "use" to collect data such as in fisheries. It is also important how the stakeholder participation will be structured. It should be based in the community, i.e. it should start from the ground. A stakeholder network mapping can help to know what it is going

on, as well as identification of champions. In Mediterranean, for example, there is a visualization tool called “IMAGINE”. NGOs are really good in linking the key people working on the ground, but there is a need of honest broker who can act as a convener.

LME Scorecard

Breakout session participants discussed first the relationship that the assessment toolkit (LME Scorecard) should have with results of the TWAP project, which also dealt with the LME assessment. The Scorecard contains a whole suit of indicators, which was considered to be a long list, but after the feedback from projects, the final list will be defined. These indicators should be comparable with those in TWAP.



Participants also gave some practical suggestions for the toolkit:

- In assessing the success of LMEs, the process starts with defining all what we want to have and evaluate, but care should be taken not to make it too complicated with lots of goals. In Norway a clear table was prepared showing if things are going in right direction, and if not, why it is not going in right direction as well as where are the uncertainties. Similarly, the Scorecard will have a spider graph at the end, which will allow you to visualise the status.
- The Scorecard should have a list of minimum number of indicators and then additional supporting indicators.
- Scoring will be open, and it will be up to the LME to decide on priorities. This will be based on TDA and SAP that have already been developed.

- Scorecard could be based on implementation plan. It will be interesting to have a plan and open indicators to help you measure how advanced the plan is. Most plan are at national level but something specific could be developed on a transboundary level.
- Scorecard could help to engage stakeholders, Government may say it's sufficient, but community says it is not being properly managed. It could highlight which stakeholders are more engaged and which are not taking their responsibility seriously.
- The use of the term indicator may be confusing because the Governance toolkit is talking about management performance. The toolkits should be harmonised.
- Five Module approach has to be a departure point for the Scorecard. If there will be a different approach, it could cause disharmony among toolkits. There should be a cross reference among toolkits.
- People doing terminal evaluation of the project could use this as part of the monitoring and evaluation.

Marine Spatial Planning Toolkit

The breakout session started with discussion on general issues related to Marine Spatial Planning. The participants stressed the following:

- MSP toolkit should have the focus on ecosystem approach;
- Focus should be on a transnational MSP strategy rather than on a specific plan, and on cooperation and integration between countries;
- Integrate with the TDA-SAP process; details of that process could be found in the IW:LEARN TDA-SAP Manual;
- A suggestion was given that MSP should be described as elements of a process rather than steps in a cycle; consequently, steps should not be numbered because they are not always followed one by one;
- Describe difference between ICZM and MSP: MSP is more future oriented, importance of developing a vision, while ICZM is management oriented although it has prospective elements as well;
- While most of the discussion took place on identifying need and MSP authority, the real interest should lie in tools to help with developing workplan, creating a vision, stocktaking, future developments, conflicts and synergies, planning solutions, etc.

With regards to the transboundary issues, the participants proposed the following:

- Effects of mining on fish stocks: example was given from South Africa and Namibia where offshore mining in Namibia has negative effects on fish stocks in South Africa because mining takes place in fish breeding grounds;
- Migrating fish species are also very important for LMEs and transboundary MSP: example from Yellow Sea about conflicts in feeding grounds, climate change shifting species ranges which are not predictable any longer;
- New issues: CO2 sequestration in sub-sea bed geologic formations potentially coming in conflict with shipping;
- Pollution and marine litter: need to clarify in toolkit which issues are really spatial and can be addressed in MSP
- Addressing land-sea interaction would not be emphasized because focus of the toolkit is on transboundary issues.
- As lessons learned from existing transboundary MSP processes, the following cases were mentioned:

- Chile-Peru: an attempt at MSP that did not work out. Main issue was shipping and fisheries (shared fish stock). Ballast water discharged offshore in fish spawning areas is a threat to the stock. Also, there is an existing boundary dispute. Finally, there is confusion between ICZM and MSP, because some question why MSP is needed if there is already ICZM at national level.
- Norway-Russia: Russia is basically copying Norway MSP process, using same indicators as those in Norway plan. There is an existing long-term collaboration in science being considered as a foundation for MSP cooperation.

Discussion followed on the individual steps of the MSP process, namely:

- Identify need: where / what to plan for?
- MSP Authority: who?
- Finance: how and who finances MSP process & implementation?
- MSP Workplan: who? when?
- MSP vision, goals and objectives: MSP for what?
- “Stocktake” of current conditions: what issues?
- Future developments: what comes in the future?
- Conflicts and compatibilities:
- Planning solutions: how to implement?
- Monitoring & Evaluation
- Stakeholder involvement

After the breakout sessions, in the plenary, Mr. Ivica Trumbic explained the next steps leading to finalisation of the toolkits. It is expected that they will be finalised during the first quarter of 2018, when the training modules will also be developed. Respective training will be carried out in the second half of 2018.

SESSION 4: CAPACITY DEVELOPMENT

Session Chair	Mish Hamid, GEF LME:LEARN PCU	
Rapporteur	Natalie Degger, GEF LME:LEARN PCU	
Time	Title	Name
09:00 09:45	Launch of the LME Massive Online Open Course and discussion	Emma Kelley, NOAA
09:45 10:00	The LME Agenda: Implementing Strategic Action Programmes and the SDGs	David Vousden, ASCLME
10:00 10:30	Preview of the two training sessions: Communications and Spatial Data Management Training Opportunity (GRID) and Systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process (UNIDO)	Miles MacMillan-Lawler, GRID Arendal Christian Susan, UNIDO and Eduard Interwies, UNIDO Consultant

The LME: LEARN and IW: LEARN projects have a strong capacity development components. The objective of the session was to inform the participants of some of these components.

Ms. Emma Kelley, NOAA, and Ms. Coleen Moloney, University of Cape Town, presented the Massive Online Open Course (MOOC) “Large Marine Ecosystems: Assessment and Management”, which will be carried out by the Centre for Innovation in Learning and Teaching of the University of Cape Town and developed as one of IW:LEARN activities. The course will revolve around the modules of the 5-Module LME approach (productivity, fish and fisheries, pollution and ecosystem health, socioeconomics and governance) and will support the implementation of the SDG14 and GEF International Waters Operational Strategy. It will be a six-week training course leading to certification upon successful completion of the course. It is targeting 450 trainees per course with a view of training the total of 10,000 LME project practitioners mainly in Africa, Asia, Latin America, and Eastern Europe. The course will be conducted in English but the resources are being sought to translate it in other languages. The basic requirements to attend the course are set quite wide, and the candidates should have a degree in environment, economics, natural and social sciences. They should be good professionals having a good working knowledge in the subjects they are applying for. An effort will be made to link the subjects of the course with the toolkits being developed within LME:LEARN.

Mr. David Vousden, ASCLME, presented the document “Large Marine Ecosystems and Sustainable Development : A Review of Strategic Management Processes and Goals”, which was prepared for GEF and UNDP. Two primary objectives of the document were: (1) to review the TDA-SAP Process and identify the common issues, threats, causes and barriers and how each of the LMEs are addressing these through SAP implementation; and (2) based on this synopsis and ‘round-up’ of TDA SAP delivery, identify the linkages between the TDA-SAP processes and the SDG 14 Targets. The document reviewed the assessment and management process in 24 of the world’s LMEs through 18 GEF-funded projects and initiatives. It concludes that the TDA and the SAP process are ‘fit-for-purpose’ and have evolved good practices and implementation objectives after two decades of trial and improvements. There are some important areas, which could be improved, however, and these are captured under a set of recommendations that address this need. The review has then looked in detail at the interlinkages between the LME SAP process and objectives and those of the SDG 14 and other SDGs. It confirms that

there is: (1) an intrinsic alignment between the two processes; and (2) that the TDA-SAP processes and SAP Implementation will inevitably and significantly assist with the delivery on most, if not all, of the SDG 14 Targets and Indicators and, indeed on many of the other SDG Targets. The recommendations of the document aim at improvements to the LME TDA-SAP process in order to further support SDG14 target delivery.

Mr. Miles MacMillan-Lawler, GRID Arendal, gave a preview of the training sessions “Communications and Spatial Data Management” to be held on Friday 1 December 2017. He first gave an overview of the IW:LEARN communications services, which include IW:LEARN website with a special LME:LEARN section (marine.iwlearn.net), web toolkit, news and social media, and digital media and communication. He presented the structure of the training session, which will include three major parts: Overview of IW:LEARN services; Training on spatial data management using GeoNode; and Discussion on project needs for spatial data management. More specifically, the part on GeoNode training will consist of the following sections: How to create an account; Exploring the interface; Upload your own data; Styling Data; Creating metadata; Creating maps; and Sharing maps.

Mr. Christian Susan, UNIDO, and Mr. Eduard Interwies, UNIDO Consultant, introduced the training session “Systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process” that will be held on 1 December 2017. This IW:LEARN activity is aimed at GEF International Waters project managers, economic experts and other stakeholders involved in GEF International Waters projects and, more generally, to those interested in including the economic valuation of ecosystem services into Transboundary Diagnostic Analyses (TDA) and Strategic Action Programmes (SAP) and linked processes, such as policy and decision makers and environmental and development planners. The training session will: (1) show what economic valuation of ecosystem services can be used for; (2) present the content of the guidance developed to IW-project managers (and beyond) – to support economic valuation studies to be developed in the future; and (3) Identify IW-projects (and beyond) that are interested in conducting economic valuation.

SESSION 5: REGIONAL NETWORKS

Session Chair	Natalie Degger, GEF LME: LEARN PCU	
Rapporteur	Ivica Trumbic, GEF LME: LEARN PCU	
Time	Title	Name
10:30 10:40	Summary of the Regional Networks Meetings	Natalie Degger, GEF LME: LEARN PCU
10:40 11:00	Discussion: Proposals for future activities of the regional networks	Moderator: Natalie Degger, GEF LME: LEARN PCU

Ms. Natalie Degger, GEF LME: LEARN PCU, presented the summary of activities on Regional Networks undertaken in 2017. The purpose of Regional Networks is to improve regional governance and cooperation within and between respective LMEs by facilitating collaboration between LME, MPA, MSP, ICM, fisheries, biodiversity and climate change projects. Currently, LME:LEARN is running 3 regional networks: Latin America and a Caribbean, Africa, and Asia and Pacific. In 2017, two regional network meetings were held; Africa, and Latin America and a Caribbean. In addition, several twinning and Inter-project Collaboration Opportunity (ICO) initiatives have started, and a virtual interaction platform (Slack) has been created. The networks will be growing in 2018 by bringing in projects outside the GEF portfolio as well as other partners (academia, N.GOs, private sector, IFIs, etc.). Several other tools will be introduced such as Lightning Chats, thematic webinars, and training, while face-to-face interactions will be greatly facilitated.

In the discussion that followed, the participants were told that transboundary river basin projects can also apply to become members of the Regional Network; that the link between African Regional Network and African LME Caucus is possible and desirable; that major regional institutions, while missing in the first regional network meetings, will be invited to attend in the future; and that regional/network platform, existing at the LME:LEARN web site, is an important information sharing tool and regional network members are encouraged to utilise it.

Mr. Robin Mahon, University of Barbados, briefly presented the Large Marine Ecosystem Governance Assessment report. He mentioned that an annex was recently published with extensive information on 15 LMEs. He has invited participants working in LMEs to review all chapters in the annex and give TWAP the feedback. TWAP will then regularly update the document.

SESSION 6: DATA AND INFORMATION MANAGEMENT WORKING GROUP

Session Chair	Vladimir Mamaev, UNDP	
Rapporteur	Mish Hamid, GEF LME: LEARN PCU	
Time	Title	Name
11:15 11:25	Objectives and expected outcomes of the session	Vladimir Mamaev, UNDP
11:25 11:45	Demonstration of the LME Hub prototype	Andy Jeffrey, IUCN
11:45 12:00	LME/Marine Database and Marine Portal	Mish Hamid, GEF LME:LEARN PCU
12:00 12:15	Marine Biodiversity Observation Network (MBON) effort in support of the UN SDGs, especially SDG14	Rebecca Shuford, NOAA
12:15 12:45	Overview Presentation: Status of Data Management in the Marine and Coastal Portfolio, Vision for Standards on Results Reporting and Discussion	Chris Patterson, LME:LEARN Consultant

Mr. Andy Jeffrey, IUCN, presented the LME hub (www.lmehub.net), which is still in a prototype form. The hub is an outreach product aimed at general public to make them better acquainted with LMEs in a popular manner. It is supposed to be an interactive site that will allow users to submit material to be added to the site. The hub has two levels of inspection: for those that want only a brief information on the specific LME and for those who need more detailed information. The initial idea is to link the hub with a Google 3-D platform, but the actual linking is still pending because Google has not yet come out with the actual product. In the discussion that followed, some participants expressed concern with the fact that we are linking this product with something that do not yet exist and which we don't know in which direction it will go. It is true that the relevant Google's development cannot be controlled, and it is not clear whether the timeline of both developments will be in conformity. It is possible to stick to Google Earth's current 2-D version after all, because it will still allow us to access their audience. Other tools could be used now, but with the drawback of much lower potential audience.

Mr. Mish Hamid, GEF LME:LEARN PCU, presented the LME:LEARN Marine Portal, based on IODE UNESCO's OceanExpert Directory (www.oceanexpert.net). It is a page of the IW:LEARN portal where clear indication to access the marine portal exists. The portal contains an extensive LME, MPA, ICM, MSP and other relevant projects data base as well as a large repository of relevant documentation. The portal is a permanent work-in-progress, and the users were asked to give suggestions to improve it.

Ms. Rebecca Shuford, NOAA gave a presentation on MBON on behalf of Gabrielle Canonico, US IOOS Program. She mentioned that MBON supports: (1) integrating global, multidisciplinary research and observations; (2) visualizing data and information to inform management; (3) identifying Essential Ocean Variables (EOV) to support understanding of biodiversity and ecosystem change; (4) defining relationships among physical, biogeochemical, and biological processes; and (5) investigating feedbacks between upstream (terrestrial and freshwater) and downstream (marine) elements of biodiversity. She also invited participants to address questions and suggestions to Ms. Canonico.

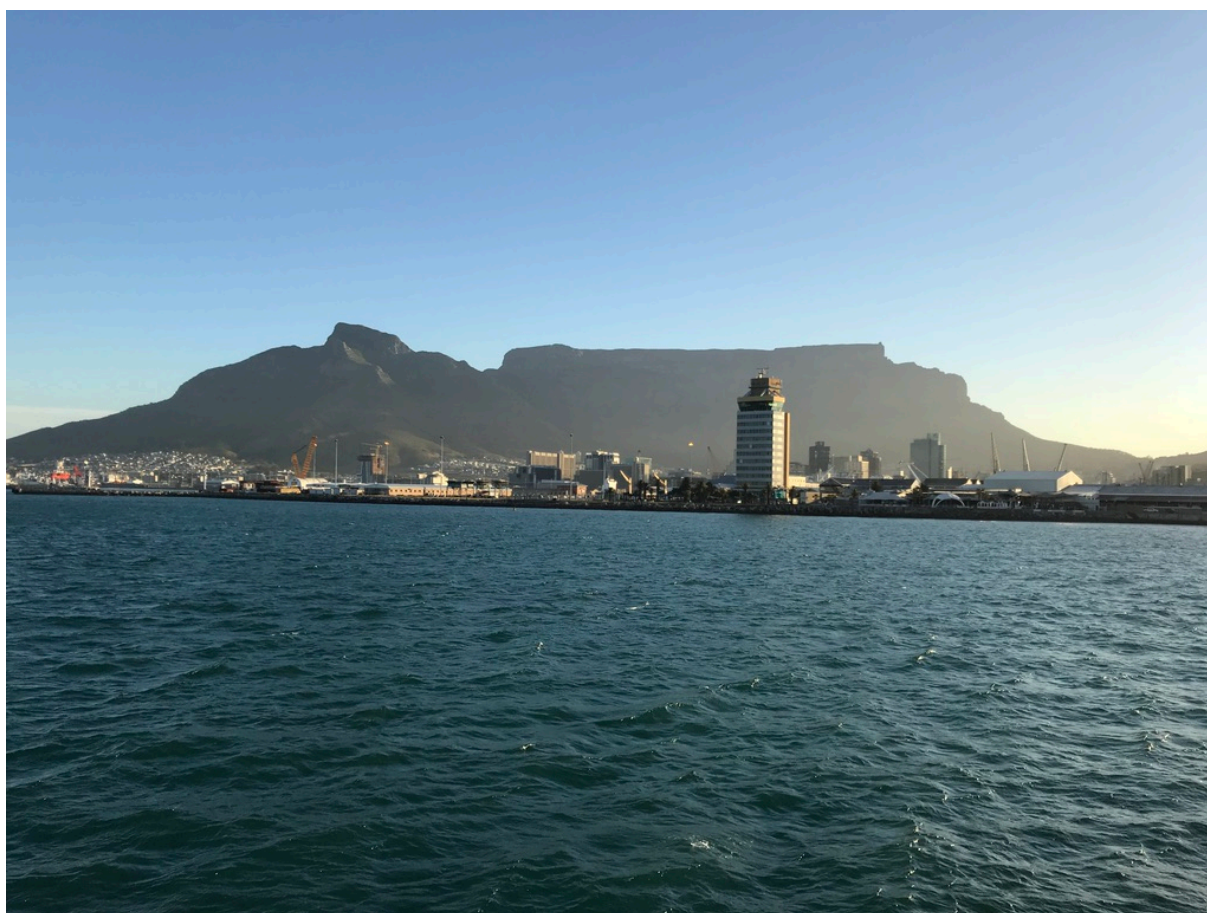
Mr. Chris Patterson, LME:LEARN Consultant, talked about the status of data management in the marine and coastal portfolio, vision for standards on results reporting. He gave a brief overview of the work being done so far as well as the activities that are planned to be carried out in the future.



SESSION 7: CLOSING

Session Chair	Julian Barbière, IOC/UNESCO	
Time	Title	Name
12:45 13:00	Conclusions and recommendations and closing remarks	

Mr. Andrew Hudson gave closing remarks by stating that he has felt a great change at this meeting. He praised the fact that this meeting was an engaging and dynamic event characterised by networking, establishing connections among partners and learning. LME19 was full of interesting subjects starting from toolkits, MOOC, economic valuation, visualisation etc. He stressed that we are moving to a critical phase of LME:LEARN implementation. Finally, he thanked the participants for their contribution, and LME:LEARN PCU and its collaborators for excellent organisation of the meeting. Closing the meeting, Mr. Julian Barbière thanked all the participants for their contribution towards reaching the meeting's objectives. He also thanked the IOI for organising the meeting together with the IW/LME:LEARN PCU.



TECHNICAL SITE VISIT: FIELD TRIP TO ROBBEN ISLAND

On Thursday, 30 November 2017, a technical site visit to the Robben Island was organised. Robben Island is a protected area as well as a heritage site having major historical importance for South Africa. The field trip consisted of a visit to demonstration site that showcases integrated coastal management, marine protected area and marine ecosystem management issues, and of a visit to prison site where Nelson Mandela was imprisoned.



TRAINING SESSIONS

On Friday, 1 December 2017, two training sessions were organised:

- Systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process (UNIDO); and
- Training Opportunity for GEF Projects on Communications and Website and Spatial Data Management (GRID Arendal).

The subject of the first short training course was systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process. It was aimed at GEF International Waters project managers, economic experts and other stakeholders involved in GEF International Waters projects, more generally to those interested in including the economic valuation of ecosystem services into Transboundary Diagnostic Analyses (TDA) and Strategic Action Programmes (SAP) and linked processes, such as policy and decision makers and environmental and development planners. However, the use of the technique could also be extended beyond GEF-IW projects and the TDA-SAP process. During the course, the following subjects were presented and discussed:

- The potential use of economic valuation of ecosystem services;
- The contents of the guidance developed for IW-project managers (and beyond) with the aim of supporting economic valuation studies in the future; and
- The International Waters projects (and beyond) that could be interested in conducting economic valuation.

The subject of the second short training course was communications and website and spatial data management. The training course contained three building blocks:

- (Introduction to spatial data management (types of spatial data, importance of metadata, and Spatial Data Infrastructure - SDI) ;
- Geonode training (how to create an account ; exploring the interface ; upload the data; styling data ; creating metadata ; creating maps ; and sharing maps) ; and
- Creating an opportunity for project managers to talk about their project needs and future training opportunities.

Detailed programme of the sessions is given in the Agenda of the Meeting (Chapter 4 of this report).

4. Agenda of the meeting

WEDNESDAY, 29 November 2017			
Session (Plenary)	1 - Opening Session		
Session Chair	Ivica Trumbic, GEF LME: LEARN PCU		
Time	Title	Name	Objectives of the session
09:00 09:30	Welcome	IOC/UNESCO UNDP GEF	To welcome the participants and to present the objectives of the meeting. Participants will be informed of the outcomes of the Partnership Meeting, held on 27-28 November 2017 and will discuss the implications for the regional projects.
09:30 09:45	Objectives and structure of the LME19 Annual Consultative Meeting	Ivica Trumbic, GEF LME: LEARN PCU	
09:45 10:30	Outcomes of the Partnership Meeting and discussion on the implications for LME, MPA, ICM, and MSP projects in regions	Moderator: Julian Barbieri, IOC/UNESCO	
Coffee break 15 minutes (10:30 – 10:45)			
Session (Plenary)	2 - Working Groups on Governance and Ecosystem Based Management: Introduction		
Session Chair	Wojciech Wawrzynski, ICES		
Rapporteur	Lauren Wenzel, NOAA		
Time	Title	Name	Objectives of the session
10:45 10:55	Objectives, structure and expected outcomes of the session	Wojciech Wawrzynski, ICES	Seven toolkits have been developed. The substance of all toolkits will be briefly presented as well as how they will be harmonized.
10:55 11:05	Introduction to the toolkits	Lauren Wenzel, NOAA	
11:05 12:15	Presentation of the toolkits (10' for each toolkit)	Facilitator: Wojciech Wawrzynski, ICES	
12:15 12:30	Linking the toolkits	Ivica Trumbic, GEF LME: LEARN PCU	
12:30 12:45	EU MSP Roadmap and interaction with the LME community	Alejandro Iglesias-Campos, IOC/UNESCO	
Lunch break 75 minutes (12:45 – 14:00)			
Session (Breakout sessions)	3 - Working Groups on Governance and Ecosystem-Based Management: Discussing the toolkits		
Session Chair	James Oliver, IUCN		

Rapporteur	Ana Guzman, CI		
Time	Title	Name	Objectives of the session
14:00 14:15	Reflections on the questions asked by participants during previous session	James Oliver, IUCN	The meeting participants will be broken down seven groups, each one discussing the specific toolkit. The participants will have the opportunity to assess progress and discuss the potential use of the toolkits. The ideas presented will help the toolkit developers to finalise the toolkits.
14:15 16:00	Breakout sessions on the toolkits (Group chair’s name in brackets): <ul style="list-style-type: none">Governance (Ellen Johanessen, ICES)LME Strategic Approach (Lucy Scott, IOC/UNESCO)LME Project Approach (Stephen Donkor, IOC/UNESCO)Environmental Economics (Luke Brander, IUCN)Stakeholder Participation (Ana Guzman, CI)LME Scorecard (Johanna Polsenberg, CI)Marine Spatial Planning (Clare Waldmann, s.Pro)	Small groups	
Coffee break 15 minutes (16:00-16:15)			
16:15 17:45	Breakout sessions on the toolkits (continued)		
17:45 18:00	Final Plenary: Next steps, Follow-up	Ivica Trumbic, GEF LME: LEARN PCU	

THURSDAY, 30 November 2017			
Session (Plenary)	4 – Capacity Development		
Session Chair	Mish Hamid, GEF LME: LEARN PCU		
Rapporteur	Natalie Degger, GEF LME: LEARN PCU		
Time	Title	Name	Objectives of the session
09:00 09:45	Launch of the LME Massive Online Open Course and discussion	Emma Kelley, NOAA	The LME: LEARN and IW: LEARN projects have a strong capacity development components. Some of these components will be presented and the participants will be invited as well as their institutions to participate in capacity development
09:45 10:00	The LME Agenda: Implementing Strategic Action Programmes and the SDGs	David Vousden, Consultant	
10:00 10:30	Preview of the two training sessions: Communications and Spatial Data Management Training Opportunity (GRID) and Systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process (UNIDO)	Miles MacMillan-Lawler, GRID-Arendal Eduard Interwies, UNIDO Consultant	
Session (Plenary)	5 – Regional Networks		
Session Chair	Natalie Degger, GEF LME: LEARN PCU		
Rapporteur	Ivica Trumbic, GEF LME: LEARN PCU		
Time	Title	Name	Objectives of the session
10:30 10:40	Summary of the Regional Networks Meetings	Natalie Degger, GEF LME: LEARN PCU	Two Regional Network meetings were held in 2017.
10:40 11:00	Discussion: Proposals for future activities of the regional networks	Moderator: Natalie Degger, GEF LME: LEARN PCU	The results of RN meetings will be presented as well their 2018 workprogramme.
Coffee break 15 minutes (11:00 – 11:15)			
Session (Plenary)	6 - Data and Information Management Working Group		
Session Chair	Vladimir Mamaev, UNDP		
Rapporteur	Mish Hamid, GEF LME: LEARN PCU		
Time	Title	Name	Objectives of the session

11:15 11:25	Objectives and expected outcomes of the session	Vladimir Mamaev, UNDP	The LME:LEARN information portal has been established and participants will be informed how to use it. They will be asked to present proposals for its improvement.
11:25 11:45	Demonstration of the LME Hub prototype	Andy Jeffrey, IUCN	
11:45 12:00	LME/Marine Database and Marine Portal	Mish Hamid, GEF LME:LEARN PCU	
12:00 12:15	Marine Biodiversity Observation Network (MBON) effort in support of the UN SDGs, especially SDG14	Rebecca Shuford, NOAA	
12:15 12:45	Overview Presentation: Status of Data Management in the Marine and Coastal Portfolio, Vision for Standards on Results Reporting and Discussion	Chris Patterson, LME:LEARN Consultant	
Session (Plenary)	7 - Closing		
Session Chair	Julian Barbieri, IOC/UNESCO		
Time	Title	Name	
12:45 13:00	Conclusions and recommendations and closing remarks		
Lunch break 60 minutes (13:00 – 14:00)			
Field trip to Robben Island (Sponsored by IOI-Africa)			
Venue	Nelson Mandela Gateway at the V&A Waterfront		
15:00 19:00	Technical site visit will consist of visit to demonstration site that showcases integrated coastal management, marine protected area and large marine ecosystem management issues, as well as local innovations and best practices aimed at addressing those issues and results. Participants will engage in simulation exercise on specific management questions as part of the visit.		

FRIDAY, 1 December 2017				
Session (Training)	Training session on the systematic integration of the economic valuation of “wet” ecosystem services into the TDA-SAP process			
Session Chairs	Christian Susan, UNIDO & Eduard Interwies, UNIDO Consultant			
Venue				
Time	Title	Name	Objectives of the session	
09:00 09:30	Session 1: Introduction to Economic Valuation of Ecosystem Services	Christian Susan, UNIDO & Eduard Interwies, UNIDO Consultant	Presentation of the UNIDO Training Materials for integrating economic valuation of "wet" ecosystem services into TDA/SAP processes. Both Guidance Documents - for Tier 1 and Tier 2 projects - will be presented, and feedback of the participants solicited.	
09:30 10:15	Session 2, part I: Providing a first estimation of the Economic Value of Ecosystem Services in IW-projects: Aim and Scope of a Tier 1 Economic Valuation & Setting the Scene and Scoping			
10:15 10:45	Session 2, part II: Providing a first estimation of the Economic Value of Ecosystem Services in IW-projects: The Repository of Valuation Studies and Valuation Methods			
Coffee break 15 minutes (10:45 - 11:00)				
11:00 11:30	Session 2, part II (contd.)	Christian Susan, UNIDO & Eduard Interwies, UNIDO Consultant		
11:30 12:15	Session 3, part I: In-depth economic evaluation of Ecosystem Services in IW-projects Block I: Aim and Scope of an in-depth Economic Evaluation - the Policy Appraisal Context			
12:15 12:45	Session 3, part II: In-depth economic evaluation of Ecosystem Services in IW-projects Block II: Basics - Scoping			
12:45 13:15	Session 3, part III: In-depth economic evaluation of Ecosystem Services in IW-projects Block III: Overview of the most important valuation methodologies			
Lunch break 75 minutes (13:15 – 14:30)				
Session (Training)	Training Opportunity for GEF Projects on Communications and Website and Spatial Data Management			
Session Chairs	Miles Macmillan-Lawler and Rob Barnes, GRID-Arendal			
Venue				
Time	Title	Name	Objectives of the session	
14:30 14:45	Introduction to the IWLEARN toolkits: web, visualization, communications	Miles Macmillan-Lawler, GRID-Arendal	GRID will carry out training on visualization and	

14:45 15:15	Standards for data and information management: metadata, GeoNode, visualizing results		data and information management for project managers and other interested participants.
15:15 16:00	Hands on session on using Geonode – Uploading data, metadata and styles		
Coffee break 15 minutes (16:00 – 16:15)			
16:15 17:00	Hands on session on using Geonode - Visualizing data and interactive map creation	Miles Macmillan-Lawler, GRID-Arendal	
17:00 18:00	Meeting the IW project managers and discuss their needs and identify future training opportunities		

5. List of participants

Last Name	Title	First Name	Affiliations
Akester	Mr	Michael	Bay of Bengal LME Project & Country Director: WorldFish -Myanmar
Akrofi	Ms	Joana	Programme Officer: Assessment Division, UN Environment
Alder	Dr	Jackie	Programme Coordinator: ABNJ and CFI, UN Food and Agriculture Organization
Allain	Dr	Valerie	Secretariat of the Pacific Community & Pacific SIDS Fisheries Conventions
Andersson	Mr	Tomas	Senior Analyst: International Coordination Unit, Swedish Agency for Marine and Water Management
Avila	Mrs	Aylem Hernandez	Cuba Environmental Considerations and Economic Implications & National Centre of Protected Areas, Cuba
Awad	Mr	Adnan	Director: International Ocean Institute - Africa
Bamba	Mr	Abou	Coordinator: Abidjan Convention Secretariat, UN Environment -
Barbiere	Mr	Julian	Head: Marine Policy and Regional Coordination, UNESCO-IOC
Bax	Mr	Nicholas	Director: NESP Marine Biodiversity Hub, CSIRO
Bealey	Mr	Roy	Regional Project Coordinator: Caribbean Billfish Project, Western Central Atlantic Fishery Commission
Bernard		Brou Yao	Environmental Management Information System for Coastal Development in Cote d'Ivoire, UNDP
Birchenough	Mr	Andrew	Global Maritime Transport Industry Transformation & Technical Officer: International Maritime Organization
Brander	Dr	Luke	The International Union for the Conservation of Nature (IUCN)
Brown	Dr	Bradford	Independent Consultant
Brown		Robin	Executive Secretary: The North Pacific Marine Science Organization
Chalen	Mr	Xavier	Ecuador Marine Coastal Area Protected Area Network & Director: Marine Conservation Programme, CI
Coccosis	Mr	Harry	Professor: University of Thessaly, Greece
Cyr	Dr	Ned	Director: Office of Science and Technology, National Oceanic and Atmospheric Administration, USA
David	Dr	Sevillo	East Asia Seas Integrated River Basin Management & Ex. Director: Philippines National Water Resources Board
Davies	Ms	Helen	Coordinator: Regional Seas, Ecosystems Division, UN Environment - DEPI
Debels	Mr	Patrick	Regional Project Coordinator: Caribbean LME SAP Implementation, UNOPS

Last Name	Title	First Name	Affiliations
Degger	Dr	Natalie	Deputy Project Manager and Training Specialist, GEF IW:LEARN/LME:LEARN, UNESCO-IOC
Donkor	Mr	Stephen	Independent Consultant, LME:LEARN
Duarte Mora	Mr	Jaime Federico	Venezuela Strengthening MPAs & Venezuela Ministry of People's Power Ecosocialism and Waters
Duna	Mr	Elethu	Benguela Current Convention Implementation & Benguela Current Commission
Eitrem Holmgren	Miss	Katrin	Division of Environmental Policy Implementation (DEPI), UN Environment
Ekau		Werner	Director: International Ocean Institute - Germany
el Bataineh	Mr	Bashar	Coordinator: Component 3 of the Red Sea and Gulf of Aden SEM Project, UN Environment
El-Habr	Mr	Habib	Coordinator: GPA for the Protection of the Marine Environment from Land-based Activities, UN Environment
Felix	Mr	Fernando	Eastern Pacific Tropical Seascape & Permanent Commission for the South Pacific
Fihaki	Ms	Eliala	Consultant PMU Advisor: Pacific Ridge to Reef Project – Palau & Nauru Ridge to Reef Project
Findlay	Dr	Ken	Research Chair: Oceans Economy, Cape Peninsula University of Technology, South Africa
Finke	Mr	Gunnar	Regional Technical Advisor: GIZ Benguela Current Marine Spatial Management and Governance Project (MARISMA)
Francis	Dr	Julius	Executive Secretary: Western Indian Ocean Marine Science Association
Galbiati	Mr	Lorenzo	Project Manager: Enhancing Environmental Security, UN Environment - Mediterranean Action Plan
Galega	Hon.	Prudence	CBD National Focal Point, Ministry of the Environment, Cameroon
Garcon	Dr	Veronique	Senior Scientist: National Centre of Scientific Research, France
Greig	Mrs	Gunilla	Coordinator: International Development Cooperation, Swedish Agency for Marine and Water Management
Grønnevet	Mr	Lidvard	Institute Marine Research, Norway
Gulekana	Mr	Mthuthuzeli	Science Manager: Department of Environmental Affairs, South Africa,
Guo	Mr	Yinfeng	CTA and Manager: Yellow Sea LME SAP Implementation, UNOPS
Guzman	Ms	Ana Gloria	Conservation International (CI)
Gxaba	Ms	Thandiwe L.	Deputy Executive Secretary: Benguela Current Commission
Hamid	Mr	Mish	Project Management Specialist: GEF IW:LEARN/LME:LEARN, UNESCO-IOC
Hampton	Dr	Shannon	Project Coordinator: International Ocean Institute - Africa

Last Name	Title	First Name	Affiliations
Hamukuaya	Dr	Hashali	Executive Secretary: Benguela Current Commission
Hawkins	Ms	Annie	Government Relations Associate: Kelley Drye & Warren LLP
Hermansson	Ms	Annie	Analyst: Swedish Agency for Marine and Water Management
Hermes	Mr	Rudolf	Independent Consultant: Bay of Bengal LME
Hildebrand	Mr	Larry	Professor: World Maritime University
Hilomen	Dr	Vincent	Philippines Marine Protected Area System & Department of Environment and Natural Resources, Philippines
Hudson	Dr	Andrew	Head: Water & Ocean Governance Programme, UNDP
Hutu	Mr	Zukile	Data and Information Manager: Benguela Current Commission
Icaza	Mr	Josu	Project Assistant: GEF IW:LEARN/LME:LEARN, UNESCO-IOC
Iglesias-Campos	Mr	Alejandro	Programme Specialist: UNESCO-IOC
Inniss	Ms	Lorna	Coordinator: Caribbean Environment Programme, UN Environment
Interwies	Mr	Eduard	InterSuS - Sustainability Services
Isensee	Dr	Kirsten	Project Specialist: Ocean Carbon, UNESCO-IOC
Izaguirre	Ms	Ileana Saborit	Cuba Environmental Considerations and Economic Implications & Ministry of Science, Technology and Environment
Jackson	Dr	Lynette	Western Indian Ocean SAP Implementation SAPPHERE & International Ocean Institute (Africa)
Johannesen	Ms	Ellen	Coordinating Secretary: International Council for the Exploration of the Seas (ICES)
Johnson	Mr	Abdiel Caraballoso	Cuba Environmental Considerations and Economic Implications & Institute of Tropical Geography, Cuba
Johnson	Dr	Ashley	Director: Oceans Research, Department of Environmental Affairs, South Africa
Kande	Mr	Bangoura	Guinea Coastal Zone Adaptation & Researcher: Oceanography, CERESCOR
Karnauskas	Dr	Mandy	Research Fishery Biologist, National Oceanic and Atmospheric Administration, USA
Kelley	Ms	Emma	Research Associate: ECS Federal in support of NOAA, USA
Kieser	Mr	John	Environmental Manager, Coastal Provinces: Plastics Federation of South Africa
Kinuthia-Njenga	Ms	Cecilia	Head: UN Environment Office in South Africa& Regional Programme Coordinator: Southern Africa, UN Environment
Koranteng	Mr	Kwame	Independent Consultant

Last Name	Title	First Name	Affiliations
Lansley	Mr	Jon	Executive Secretary: Southern Indian Ocean Fisheries Agreement
Latasi	Ms	Ivy	Tuvalu Ridge to Reef Project & Ministry of Foreign Affairs, Trade, Tourism, Environment and Labor, Tuvalu
Leone	Mr	Gaetano	Coordinator: Barcelona Convention Secretariat, Coordinating Unit for the Mediterranean Action Plan
Long	Mr	Warren Lee	Coastal and Marine Adviser: Secretariat of the Pacific Regional Environment Programme
Lugten	Dr	Gail	University of Tasmania
Lymer	Dr	David	Senior Policy Specialist: Swedish International Development Agency
MacMillan-Lawler	Mr	Miles	Programme Group Leader: Marine Spatial Planning, GRID-Arendal, Norway
Mafileo	Dr	Fononga Mangisi	Pacific Island Countries Ridge to Reef & Secretariat of the Pacific Community
Mahon	Prof.	Robin	Director: Center for Resource Management and Environmental Studies, University of the West Indies
Makarenko	Ms	Irina	Pollution Monitoring and Assessment Officer: Commission on the Protection of the Black Sea Against Pollution
Mamaev	Dr	Vladimir	Regional Technical Advisor: UNDP
Manzana	Mr	Sibongile	Benguela Current Commission
Markovic	Ms	Marina	Regional Technical Advisor: Adriatic Sea Marine Spatial Planning, PAP/RAC
Matthews	Ms	Sue	Independent consultant associated with International Ocean Institute - Africa
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