

**Training Programme on Regional Ocean Governance for
Mediterranean and Eastern European Countries**

8th November – 11th December 2009

Malta

COURSE REPORT



**Training Programme on Regional Ocean Governance for
Mediterranean and Eastern European Countries**
Towards a Holistic Maritime Policy

8th November – 11th December 2009

organised by the
International Ocean Institute

in collaboration with the
IOI-Malta Operational Centre

and accredited by the
University of Malta

The organisers would like to thank:

*the Lighthouse Foundation,
the United Nations University/EHS,
the International Maritime Organisation,
the UNDP Special Unit for South-South Cooperation,
FLANDERS – UNESCO Trust Fund for Science
and the European Commission
for sponsoring the course*



Class of 2009

Table of Contents

1. ABOUT IOI	6
1.1 INTERNATIONAL OCEAN INSTITUTE	6
1.2 IOI MALTA OPERATIONAL CENTRE	6
2. THE TRAINING COURSE	7
2.1 COURSE CONCEPT	7
2.2 FOCUS OF THE COURSE	7
2.3 OBJECTIVES	8
2.4 COURSE CONTENT	9
2.5 APPROACH	9
2.6 TARGETED PARTICIPANTS	10
3. COURSE PROGRAMME	
4. PARTICIPANTS	26
5. LECTURERS AND FIELD TRIP COORDINATORS	31
6. COURSE COORDINATION AND SECRETARIAT	32
ANNEX I - FIELD TRIPS	33
FIELD TRIP 1 – (SEA/LAND BASED) GRAND HARBOUR AND SOUTH COAST OF Malta	
FIELD TRIP 2 – (LAND BASED) DWEJRA HERITAGE PARK, GOZO	
ANNEX II - SIMULATION EXERCISE	36
<i>“REGIONAL OCEAN POLICY FRAMEWORKS”</i>	
ANNEX III - PROJECT STUDIES	38
<i>“MANAGING MARINE SPACE AND ITS POTENTIAL AS AN ECONOMIC RESOURCE”</i>	
ANNEX IV – HALF DAY SEMINAR	41
<i>“THE EVOLVING EU INTEGRATED MARITIME POLICY - MAKING THE MOVE TO ENSURE COHERENCE IN THE REGIONAL SEAS”</i>	

1. About IOI

1.1 International Ocean Institute

IOI is an independent, non-governmental, international non-profit organisation incorporated in the Netherlands, with Headquarters at the University of Malta. It was founded in 1972 by Professor Elisabeth Mann Borgese.

The mission of the International Ocean Institute is to promote education, training and research to enhance the peaceful uses of ocean space and its resources, their management and regulation as well as the protection and conservation of the marine environment, guided by the principle of the Common Heritage of Mankind.

IOI's scope and presence is global. The IOI system operates by means of 25 Operational Centres spread worldwide and it cooperates with the United Nations system e.g. UNESCO-IOC, IMO, UNEP and with several other NGOs at local and regional level.

Dr Cherdasak Virapat
Executive Director
International Ocean Institute Headquarters
P.O. Box 3, Gzira GZR 1000, Malta.
Tel: + 356 21 346 528/9
Email: ioihq@ioihq.org.mt
www.ioinst.org

1.2 IOI Malta Operational Centre

The IOI-Malta Operational Centre of the University of Malta aims to develop and implement research and studies related to the sea, promote education, training and public awareness as well as provide services mainly in physical oceanography targeting the sustainable use of ocean space and resources, their management and regulation as well as the promotion and conservation of the marine environment.

IOI-MOC seeks to sustain the interaction between local institutions that are active in marine affairs, and promote an inter-sectoral approach at national level. Special attention is dedicated to strengthen linkages with University departments in favour of collaborative multidisciplinary research and supporting courses in oceanography.

Dr Aldo Drago
Director, IOI-Malta Operational Centre
3rd Floor, Chemistry Dept, University of Malta
Tal-Qroqq, Msida, Malta.
Tel: + 356 21 440972
Email: ioi-moc@um.edu.mt
<http://www.capemalta.net>

2. The Training Course

2.1 Course Concept

The IOI Malta 5-week international training course builds upon the 30 years experience of the International Ocean Institute in conducting training and capacity building programmes in ocean governance.

The theme of the course draws upon the conduct of maritime affairs in line with the Lisbon Strategy, targeting the Millennium Development Goals and building upon a holistic and integrated maritime policy following the principles enshrined in the United Nations Convention on the Law of the Sea. The course focuses on the holistic approach to ocean governance and the need to align practices with the evolving global environment in the light of advances in science and technology. The course upholds a principles-and-application concept, focusing on an integrated and cross-cultural approach, embracing legal, ethical, environmental and economic aspects and the support of science and technology to the realistic achievement of ocean management and sustainable development. In particular the course draws upon bridging ocean science and engineering to adaptive management and policy, including the use and support of real-time routine observations and nowcasting/forecasting methods towards improved rapid assessments, and sound decision-making.

2.2 Focus of the Course

The primary focus of the course is on the Mediterranean, Black, Baltic and Caspian Seas targeting to include inter-regional comparisons and experiences, and to promote exchanges between participants from European, Eastern European, and the Maghreb countries.

The course presents particular highlights on the implications of the EU maritime policy for the European regional seas. The EU maritime policy and the coherence of policies of neighbouring states with it are investigated in depth as a basis for regional cooperation. The course aims to build stronger coherence between the EU and its neighbouring countries in their engagement on the governance of the regional seas, promoting inter-regional comparisons, shared experiences and exchange of best practice scenarios, and fostering interaction between participants from European, Eastern European, North African and Middle East countries bordering the Mediterranean.

The course programme includes two field trips, a project study providing participants with the opportunity to apply a multidisciplinary approach to decision making within the marine realm through a dedicated group assignment, and a number of simulation exercises and hands-on sessions. The backbone of the course relates to the sessions dedicated to the preparation by participants of regional ocean policy frameworks; this task is undertaken by the Mediterranean, Black Sea, Caspian Sea and Baltic groups aiming to build upon the concept of national, regional and inter-regional policy development for a shared, integrated and common approach to ocean management.

Organised for the fourth year running the IOI Malta course has become a reference point for training and capacity building on the governance of the oceans and a resource for innovative teaching appealing to a wide range of participants and practitioners in marine-related science, management and policy undertakings.

Four major differences of this course with respect to previous courses relate to the:

- Focus on governance;
- Contextualization of regional governance within the framework of global governance and integrated management;
- Interregional comparisons;
- The use of science and technology to support, develop and implement governance.

The course is a flagship activity of IOI together with that delivered from the University of Dalhousie in Canada.

2.3 Objectives

While focusing on specific marine regions and their governance, this intensive training course highlights the importance of the global governance framework that underscores regional cooperation. Given the broad range of global and regional issues that need to be addressed, the ultimate course outcome is the creation of awareness of the complexities of contemporary ocean governance, and the realisation of means and methods to render such governance achievable and effective. This outcome will be achieved through the pursuit of the following goals and objectives.

- To assist Mediterranean and Eastern European countries in the formation of a core of decision-makers who will be aware of complex global and regional contemporary issues of coastal and ocean management;
- To understand the implications of the EU maritime policy for the European regional seas and the practical implementation that takes into account the particularities of seas as different and sensitive as the Mediterranean, Black and Baltic and Caspian Seas.
- To deepen understanding of the ever-increasing importance of regional seas and their resources in regional politics and sustainable economic development;
- To present problems facing enclosed and semi-enclosed seas (in particular the Mediterranean, Black, Baltic and Caspian Seas) and demonstrate ways to overcome them;
- To provide an insight into contemporary coastal and ocean law and policy issues and build capacity to maximise benefits from the United Nations Convention on the Law of the Sea and other global and regional conventions;
- To promote the role of science in supporting the development and implementation of ocean governance and quantify through specific applications the benefits that scientific inputs can make to the sustainable governance of ocean and coastal resources;
- To take account of emerging and evolving socio-economic, environmental and scientific realities as a framework for future development of ocean governance to changing scenarios;
- To provide a forum for exchange of views between managers and researchers and promote a better understanding of the science-management interface in coastal and ocean management;
- To make use of state-of-the art scientific and technological developments, including state of-the-art ocean/coastal observing systems, approaches and methodologies addressing the various options for integrated management;

- To catalyse the networking among participants and regional resource persons, and building lasting relations between participants to strengthen IOI alumni networks in the regions concerned.

2.4 Course Content

This course consists of 4 modules, presented over a five-week period on a full time basis. Topics covered include:

Module 1 Global Ocean Governance Framework - sets out the objectives of ocean governance and the linkages to socio-economic issues, integrated and ecosystem ocean management and resource exploitation. The focus is on understanding the effective governance frameworks to put maritime policy into practice and on the MDGs with a regional perspective to the benefit of sustainable development, eradication of poverty, enhancement of partnerships and promotion of the concept of the Common Heritage of Mankind.

Module 2 Managing our Relations with the Oceans - covers traditional policy, legal and institutional tools, focusing on the science-management interface and bringing to light new perspectives, practices, methodologies and the use of technology for the effective and sound operationalisation of ocean governance. This module covers methods of national marine coastal zone policies development; the use of marine data for informed decisions, products and services; spatial planning for a growing maritime economy; integrated coastal zone management; the role of coastal communities; vulnerability assessment; environmental risk evaluation and mitigation of marine-related natural hazards.

Module 3 Conflict Management, Consensus Building - addresses those conflicting interests that can be a barrier to effective ocean governance and management. This module covers the mechanisms available for conflict prevention, conflict management through peaceful resolution and consensus-building techniques. It introduces participants to foresight study methods and tools for future-oriented assessments and planning.

Module 4 Regional Ocean Governance Frameworks for the Mediterranean, Black, Baltic and Caspian Seas - targets the governance frameworks for these regional seas on the basis of current realities, future needs and an in-depth study of their geophysical, socio-economic and political contexts. The module includes inter-comparisons between the regions, and the reality of the European Union, targeting their ideal governance frameworks within the perspective of a broad and coherent EU maritime policy shared by the regions.

2.5 Approach

The training course promotes the interaction between a mix of participants with a more technical, scientific background, and those having more policy oriented and managerial competencies in addressing real-life situations relating to the implementation of ocean governance. The focus is perceived in all the course programme elements, giving the course a very commendable scope and a rubberstamp on its target for an integrated and holistic approach to ocean/coastal governance and management.

The methodology of the training course moves away from the traditional approach; instead, it is structured to complement the lecturing session on concepts and theory, by hands-on applications on real scenarios, and by practical sessions to present tools and skills for applying and achieving ocean governance. This learning-through-practice approach gives participants an opportunity to participate in real case studies of data apprehension, management and decision-making processes such as in coastal zone planning and management; combating, monitoring and containment of marine pollution and many other applications.

The course aims to develop analytical skills to assess coastal and ocean issues and appropriate integrated responses by developing basic multi-disciplinary team-building and teamwork skills in a multi-disciplinary setting. Participants build an understanding for data sourcing, management of complex information and use of information technology (e.g. GIS, electronic research, software use, etc.). This also addresses the interfacing between scientists and managers/decision-makers.

2.6 Targeted participants

The course is specifically designed to benefit mid-career professionals, educators, researchers and civil society members that have coastal/marine related responsibilities, functions or interests from developing countries of the Mediterranean and Eastern European Countries. Participants must also have at least an undergraduate qualification in a field relevant to marine affairs and science. The intention is to attract participants that already have some leading or coordinating role in their own sphere of practice, to put them in a position to better disseminate the acquired knowledge from the course to others in their own country.

3. The Course Programme

TRAINING PROGRAMME ON REGIONAL OCEAN GOVERNANCE FOR MEDITERRANEAN AND EASTERN EUROPEAN COUNTRIES *Towards A Holistic Maritime Policy*

Malta, 8th November – 11th December 2009

<i>Sunday, 8 November 2009</i>	
<i>Opening Ceremony</i>	
19h00	<u>Welcome Remarks by:</u> Dr Awni Behnam President, IOI Prof. Aldo Drago Course Manager, Director, IOI-Malta
	<u>Introduction of participants</u>
	<u>General Information:</u> Antonella Vassallo, Course Coordinator
20h00	Reception

<i>Day 1: Monday, 9 November 2009</i>	
MODULE 1 GLOBAL OCEAN GOVERNANCE FRAMEWORK	
<i>Introduction</i>	
8h30	<u>Opening of Course (A. Behnam)</u> History, mission and activities of the IOI - Video of the late Prof Elizabeth Mann Borgese, IOI founder (A. Behnam)
9h30	<u>Introduction to Module: The International Governance Architecture (A. Behnam)</u>
10h00	Coffee Break
<i>Overarching Ocean Governance Issues</i>	
10h15	<u>Introduction to Course, Course concept (A. Drago)</u>
10h30	<u>The Concept of the Common Heritage of Mankind and the Structuring of an Alternative World Economic Order Based on Sustainable Development – The State of the Ocean and the Role of IOI in the Constitutional Framework of the UN Convention on the Law of the Sea (UNCLOS) (A. Behnam)</u> <ul style="list-style-type: none"> • Historical background of UNCLOS • Mare liberum, mare clausum discourse • The four 1958 Geneva Conventions • Maltese initiative in 1967, the common heritage of mankind • Third United Nations Conference on the Law of the Sea • UNCLOS today and the review period • UNICLOS
12h00	Lunch Break
13h00	<u>The Concept of the Common Heritage of Mankind and the Structuring of an Alternative World Economic Order Based on Sustainable Development – The State of the Ocean and the Role of IOI in the Constitutional Framework of UNCLOS (A. Behnam) (Continued)</u> <ul style="list-style-type: none"> • The Millennium Development Goals and the role of NGOs and IGOs in their implementation
14h00	Coffee Break
15h30	<u>Visit to Library of the University of Malta</u>
17h00	Adjournment

**Training Programme on Regional Ocean Governance for Mediterranean and Eastern European Countries
Towards a Holistic Maritime Policy; 8th November – 11th December 2009**

<i>Day 2: Tuesday, 10 November 2009</i>	
Overarching Ocean Governance Issues	
8h30	<u>Introduction to Maritime Zones (N. Martinez)</u> <ul style="list-style-type: none"> • Internal waters • Normal and straight baselines • Territorial sea • Archipelagic waters • International straits • Contiguous zone
10h00	Coffee Break
10h15	<u>Introduction to Maritime Zones (N. Martinez) (Continued)</u> <ul style="list-style-type: none"> • EEZ • Continental shelf • High seas • Enclosed and semi-enclosed seas • International seabed area • Exploration and exploitation of seabed resources <u>Functional Limitations in the EEZ (N. Martinez)</u> <ul style="list-style-type: none"> • Hot pursuit in the contiguous zone • Transit passage • Archipelagic sea lanes passage • Innocent passage in the territorial sea
12h30	Lunch Break
13h30	<u>IMO, FAO, UNEP, CBD and Relevant Conventions and Declarations; Validity of International Law, Implementation and Enforcement (A. Fakhry)</u>
15h15	<u>Maritime Security: Definition and Prevention (A. Behnam / A. Fakhry)</u>
16h45	Adjournment

<i>Day 3: Wednesday, 11 November 2009</i>	
Sectoral Issues	
8h30	<u>Maritime Trade, Transport, Ports and Harbours (A. Behnam)</u> <u>Carriage of Goods, Flag State Jurisdiction, Maritime Policy Dimension (A. Behnam)</u>
10h00	Coffee Break
10h30	<u>Presentations by Participants – Session 1 – (4 presentations, 1 hour)</u>
	1. <u>BELYAEVA</u> - Presentation
	2. <u>DE PASCALIS</u> - Presentation
	3. <u>EL SARJI</u> - Presentation
	4. <u>GRECH</u> - Presentation
	<u>Presentations by Participants – Session 2 – (4 presentations, 1 hour)</u>
	5. <u>GUELE</u> - Presentation
	6. <u>KAKTINIECE</u> - Presentation
	7. <u>KALINSKAYA</u> - Presentation
	8. <u>KARIMOVA</u> - Presentation
12h30	Lunch Break
13h30	<u>Presentations by Participants – Session 3 – (7 presentations, 1H45)</u>
	9. <u>MALININA</u> - Presentation
	10. <u>ORTIZ</u> - Presentation
	11. <u>REDZIC</u> - Presentation
	12. <u>SHINDY</u> - Presentation
	13. <u>SVECHNIKOVA</u> - Presentation

	14. <u>TANTI - Presentation</u>
	15. <u>TOWONG - Presentation</u>
15h30	Adjournment

<i>Day 4: Thursday, 12 November 2009</i>	
8h30	<u>The Concept of Ocean Policy Frameworks: Introductory Lecture on Ocean Policy Development for Countries and Regions</u> (A. Fakhry)
10h00	Coffee Break
10h30	<u>Role of International Bodies of the UN System in the implementation of the Convention on the Law of the Sea: UNDOALOS, ISA, ICP, and ITLOS</u> (Busuttill S.)
11h00	<u>Relevant Declarations and Programs of Actions: UNCED (Agenda 21), WSSD, GPA</u> (Busuttill S)
12h00	Lunch Break
Sectoral Issues	
13h15	<u>Fisheries: International Fisheries Law, Policy and Management Framework</u> (S. Borg) <ul style="list-style-type: none"> • Introduction to FAO • FAO Code of Conduct for Responsible Fisheries and other soft law instruments • FAO Compliance Agreement • United Nations Fishing Agreement • CBD and GFCM
15h30	<u>Fisheries: International Fisheries Law, Policy and Management Framework</u> (S. Borg) (Continued)
16h00	<u>Project Study – Managing Marine Space and its Potential as an Economic Resource: Briefing</u> (G. Cordina / R. Farrugia / C. Mifsud)
17h00	Adjournment

<i>Day 5: Friday, 13 November 2009</i>	
Sectoral Issues	
8h30	<u>Marine Economics</u> (E. Conrad) <ul style="list-style-type: none"> • Oil and gas • Wind and renewable energy • Deep sea prospecting – access to benefit sharing (ABS) • Tourism
10h30	Coffee Break
10h45	<u>Regional Ocean Policy Framework Simulation Exercise: Briefing</u> (A. Behnam / A. Drago / A. Fakhry)
11h45	Break
12h15	<u>Visit to IMLI: Welcome address by Prof David Attard, Director, IMLI</u>
	Adjournment

<i>Day 6: Monday, 16 November 2009</i>	
MODULE 2 MANAGING OUR RELATIONS WITH THE OCEAN	
8h30	<u>Introduction to Module</u> (A. Drago)
Integrated Management Theory and Practice	
9h00	<u>Defining the Coastal Zone for Management Purposes</u> (E. Conrad) <ul style="list-style-type: none"> • Who is the coastal and ocean manager? • Purposes of definitions: jurisdictional and administrative convenience, management focus, zoning • Spatial and distance-based definitions • Ecosystem-based definitions • Problem-oriented definitions • Advantages and disadvantages of definitions in coastal zone planning (with particular reference to a specific site)
10h30	Coffee Break

**Training Programme on Regional Ocean Governance for Mediterranean and Eastern European Countries
Towards a Holistic Maritime Policy; 8th November – 11th December 2009**

10h45	<u>Principles of Sustainable Development (S. Busuttill)</u> <ul style="list-style-type: none"> • Ecosystem-based management • The precautionary principle and its applications • Polluter pays principle: economic and legal dimensions • Environmental impact assessments • Consultative processes and community involvement: indigenous peoples and traditional ecological knowledge • Women and development • Youth • Principled approach to integrated coastal and ocean management • Sustainability • Intergenerational equity • Integration: principle and practice
12h40	Break
13h00	<u>Threats to the Coastal and Marine Environment: What is at Stake? (A. Deidun)</u> <ul style="list-style-type: none"> • Dealing with complexity: multiple coastal and ocean use environments • Range of coastal and ocean uses
14h15	Coffee Break
14h30	<u>Concepts of stakeholder participation in decision-making (E. Conrad)</u> <ul style="list-style-type: none"> • Objectives of stakeholder participation • Principles of stakeholder involvement • Typologies of stakeholder participation • Survey techniques • Rapid Rural Appraisal (RRA) and Participatory Rural Appraisal (PRA) techniques • Systemic Sustainability Analysis methods • Examples of other participatory techniques • Key factors in the choice of participatory techniques • Critiques of real-world participation experience
16h30	Adjournment

Day 7: Tuesday, 17 November 2009

Assessing the Marine Environment through Monitoring and Forecasting

8h30	<u>Climate Change (C. Sammut)</u>
10h00	Coffee Break
10h15	<u>Climate Change: Impacts on Marine Living Resources and Biodiversity (A. Deidun)</u>
Integrated Management Theory and Practice	
11h15	<u>Renewable Energy Technologies in the Marine Environment (R. Farrugia)</u> <ul style="list-style-type: none"> • Utilising marine space for renewable energy • Benefits and possible barriers to renewable energy implementation
12h45	Lunch Break
13h45	<u>Contemporary Management Issues (A. Deidun)</u> <ul style="list-style-type: none"> • Co-management and community-based management • Marine protected areas (MPAs) and particularly sensitive sea areas (PSSAs)
15h15	Coffee Break
15h30	<u>Crime at Sea (R. Lanfranco)</u>
16h30	Skype conference with Regional tutors icw the <u>Regional Ocean Policy Framework Simulation Exercise</u>
17h30	Adjournment

Day 8: Wednesday, 18 November 2009

8h30 -17h00 Field Trip 1 (Sea Based) – Grand Harbour and South Coast of Malta

Aim: Providing participants with first hand experience on Malta's coastal environment and an insight into the extent of land/sea use conflicts by competing interests at specific sites such as the Grand Harbour and Marsaxlokk Bay.

Expert speakers on board the boat provide in-depth information regarding aspects of coastal zone management which are addressed during the course, e.g. port procedures, pollution risk and management, economic contribution of port and marine-based industries, marine-related tourism, fisheries and aquaculture.

This activity also provides participants with the opportunity to put forward to participating speakers any questions relating to the project assigned at the beginning of the course.

Leader: A. Deidun Experts: M. Darmanin / R. Farrugia / C. Mifsud / J. Schembri / O. Bonavia

Day 9: Thursday, 19 November 2009

Illustration: Migration as a Response to Environmental Impacts in Deltas and Coastal Areas

8h30	<p><u>Introduction to Environmentally Induced Migration (X. Shen)</u></p> <ul style="list-style-type: none"> • Definitions and concepts • State of the art in Environmentally Induced Migration Research • Introduction to the Environmental Change and Forced Migration Scenarios (EACH-FOR) Project
10h30	Coffee Break
10h45	<p><u>Cases of Migration as a Response to Environmental Impacts (X. Shen)</u></p> <ul style="list-style-type: none"> • Case Study Presentations: Lessons learned from Asia and Africa • Frameworks and Future Research Needs • Discussions, Questions and Answers
13h00	Lunch Break
14h00	<p><u>Film Screening Session: Death in a Fishing Boat (European CIVIS Television Prize 2009) (X. Shen)</u></p> <ul style="list-style-type: none"> • Film screening 45 min • Discussion
15h15	<u>Conclusions and Wrap-Up (X. Shen)</u>
15h30	Coffee Break
Assessing the Marine Environment through Monitoring and Forecasting	
15h45	<p><u>Project Study – Managing Marine Space and its Potential as an Economic Resource: Group discussion meeting (G. Cordina / R. Farrugia / C. Mifsud)</u></p>
17h00	Adjournment

Day 10: Friday, 20 November 2009

Assessing the Marine Environment through Monitoring and Forecasting Environmental Vulnerability in Coastal Zones

8h30	<p><u>Conceptualizing and Measuring Vulnerability with Special Focus on Environmental Aspects (M. Kaplan)</u></p> <ul style="list-style-type: none"> • Theoretical and conceptual dimensions of vulnerability • Environmental vulnerability and the importance of ecosystems and their services • Vulnerability frameworks • Methodologies for vulnerability assessment • Movie on tsunami early-warning system in Indonesia
10h00	Coffee Break
10h15	<p><u>Group Work Exercise: Vulnerability Assessment in the Context of the 2004 Tsunami (M. Kaplan)</u></p> <p>Group Work Exercise: Vulnerability Assessment</p> <ul style="list-style-type: none"> - Introduction into group work exercise - Moderated group work: brainstorming, discussion and documentation of results
11h30	Break
11h45	<p><u>Group Work Exercise: Vulnerability Assessment in the Context of the 2004 Tsunami (M. Kaplan) (Continued)</u></p> <ul style="list-style-type: none"> • Visualization of group work results • Presentation and discussion of group work results
12h45	Lunch Break
13h45	<p>Environmental Vulnerability in Coastal Zones, Case Studies (M. Kaplan)</p> <ul style="list-style-type: none"> • Case Studies from the Work of UNU-EHS in Sri Lanka • Stop Disasters now – Online Game
14h45	<p><u>"Monitoring Oil Pollution in the Mediterranean: the Role of REMPEC"</u></p> <p>Oil spill modelling - A case study; (Lebanon 2006) (L. Khodjet El Khil)</p> <p>OSCAR-MED - Opération de Surveillance Cordonnée Aérienne des Rejets en Méditerranée (C Farchi)</p>
15h45	Coffee Break

**Training Programme on Regional Ocean Governance for Mediterranean and Eastern European Countries
Towards a Holistic Maritime Policy; 8th November – 11th December 2009**

16h00	Demo on the Oil Spill Model for the Maltese Islands (A. Drago / A. Gauci)
16h30	Adjournment

Day 11: Monday, 23 November 2009	
Assessing the Marine Environment through Monitoring and Forecasting	
8h30	<u>How and Why Observe the Sea?</u> (A. Drago) <ul style="list-style-type: none"> • Range of coastal and oceanic processes • In situ and remote sensed observations • Observations for an eco-system based approach to assessments • Ocean data management • Application of new technologies
10h00	Coffee Break
10h15	<u>Operational Oceanography</u> (A. Drago) <ul style="list-style-type: none"> • Ocean/coastal monitoring and forecasting systems; optimal design of a forecasting system; paradigm of near real time observations • Limits of ocean predictability • Downscaling applications from the global to the regional and local scale • Platforms used for operational oceanography • Stakeholders and benefits (applications to civil protection, maritime transport, marine industry, etc.) • What is GOOS? The internationalisation of GOOS; the GOOS Regional Alliances; IOC and JCOMM
Integrated Management Theory and Practice	
11h30	<u>Applications of Models to Coastal Management</u> (G. Umgiesser) <ul style="list-style-type: none"> • Concept of numerical modelling • Applications within the context of solving, assessing and monitoring coastal problems and contributing to the management of coastal zones
12h30	Lunch Break
13h30	<u>Applications of Models to Coastal Management</u> (G. Umgiesser) (Continued)
15h00	Coffee Break
15h15	Concepts and Application of Ecological Models (A. Deidun)
16h15	Adjournment

Day 12: Tuesday, 24 November 2009	
7h30 - 17h00	<u>Field Trip 2 – Dwejra</u> (marine protected area), Gozo Aim: To expose participants to a practical example of a coastal zone management planning exercise. Participants are given an overview on the management plan by Nature Trust, the NGO entrusted with the task of drawing it up and implementing it, and introduced to the various perspectives and often conflicting interests of key stakeholders including fishermen, divers, tour boat owners, boat house owners, local authorities, NGOs, the Ministry for Rural Affairs and the Environment, the Ministry for Tourism and Culture and the Ministry for Gozo. Leader: A. Deidun Experts: C. Attard / N. Formosa / M. Gauci

Day 13: Wednesday, 25 November 2009	
Assessing the Marine Environment through Monitoring and Forecasting	
8h30	<u>Introduction to Geographic Information Systems (GIS)</u> as a tool for mapping and analysis of spatial data (C. Galdies)
10h30	Coffee Break
11h00	<u>Introduction to Remote Sensing: A Tool for Coastal and Ocean Management</u> (C. Galdies) <ul style="list-style-type: none"> • Objectives • Satellite remote sensing applications • Useful satellites and airborne sensors • Field surveys: building the linkage • Habitat classification and mapping (coastal water quality, quantitative measurements of ecological parameters and marine resource assessments) • Cost effectiveness of remote sensing • Linkage to GIS analysis and tools

13h00	<u>Natura 2000 sites in the Mediterranean</u> (C Mifsud)
14h00	Short Lunch Break
14h30	<u>Marine data collection and management systems and the OceanTeacher</u> (C. Galdies)
16h30	Adjournment

Day 13: Wednesday, 25 November 2009	
Assessing the Marine Environment through Monitoring and Forecasting	
8h30	<u>Introduction to Geographic Information Systems (GIS)</u> as a tool for mapping and analysis of spatial data (C. Galdies)
10h30	Coffee Break
11h00	<u>Introduction to Remote Sensing: A Tool for Coastal and Ocean Management</u> (C. Galdies) <ul style="list-style-type: none"> • Objectives • Satellite remote sensing applications • Useful satellites and airborne sensors • Field surveys: building the linkage • Habitat classification and mapping (coastal water quality, quantitative measurements of ecological parameters and marine resource assessments) • Cost effectiveness of remote sensing • Linkage to GIS analysis and tools
13h00	<u>Natura 2000 Sites & Habitats Directive Application: Procedures for Assessing the Impacts of Plans or Projects Affecting Natura 2000 sites (protected sites)</u> (C Mifsud)
14h00	Lunch Break
14h30	<u>Marine data collection and management systems and the OceanTeacher</u> (C. Galdies)
16h30	Adjournment

Day 14: Thursday, 26 November 2009	
MODULE 3 CONFLICT MANAGEMENT AND CONSENSUS BUILDING	
8h30	<u>Introduction to Multilateral Diplomacy</u> (A. Behnam)
10h45	Coffee Break
11h00	<u>Introduction to Multilateral Diplomacy</u> (A. Behnam) (Continued)
12h30	Lunch Break
13h30	<u>Conflict Management Simulation Exercise: Briefing</u> (A. Fakhry)
16h00	Skype conference with Regional tutors icw the <u>Regional Ocean Policy Framework Simulation Exercise</u>
17h00	Adjournment

Day 15: Friday, 27 November 2009	
09h00	<u>Conflict Management Simulation Exercise: Commencement of exercise</u> (A. Behnam / A. Fakhry)
12h30	Lunch Break
13h30	<u>Introduction to Foresight Methodology with Applications in Environment and Marine Related Issues</u> (J. Casingena Harper)
14h30	Free time to prepare for Project Study Meeting at 17h30
	Extra Coffee Break
17h30	<u>Project Study – Managing Marine Space and its Potential as an Economic Resource: Group discussion meeting</u> (G. Cordina / R. Farrugia / C. Mifsud)

Day 16: Monday, 30 November 2009	
8h30	<u>Project Study – Managing Marine Space and its Potential as an Economic Resource</u> (G. Cordina / R. Farrugia / C. Mifsud)
10h00	Coffee Break
10h30	Group presentations + roundtable with experts

**Training Programme on Regional Ocean Governance for Mediterranean and Eastern European Countries
Towards a Holistic Maritime Policy; 8th November – 11th December 2009**

	<i>(S. Busuttil / P. Serracino Inglott/ A Drago/ A Behnam/Other invited experts TBC)</i>
12h30	Lunch Break
13h30	<u>Hands-On Exercise using BILKO and GIS Software (Lab Work)</u> (C. Galdies)
18h00	Adjournment

Day 17: Tuesday, 1st December 2009

MODULE 4 REGIONAL OCEAN GOVERNANCE FOR THE MEDITERRANEAN, BLACK, BALTIC AND CASPIAN SEAS

Governance of the Mediterranean Sea

8h30	<u>Introduction to Module, The Linkage to the EU Maritime Policy</u> (A. Behnam)
8h45	<u>Geo-Biophysical Context</u> <ul style="list-style-type: none"> Basic geography and oceanography of the Mediterranean region (A. Drago)
10h00	Coffee Break
10h15	<u>Geo-Biophysical Context (Continued)</u> <ul style="list-style-type: none"> Mediterranean ecosystems (C. Mifsud)
11h30	<u>Geo-Biophysical Context (Continued)</u> <ul style="list-style-type: none"> Mediterranean watersheds and drainage basins (J. Schembri) <u>Coastal and Marine Uses (J. Schembri)</u> <ul style="list-style-type: none"> Uses of the Mediterranean coastal and marine environment Tourism and recreation Fisheries Aquaculture Marine transportation Other uses (offshore development, desalination) Waste discharges from land-based activities Watershed uses (urban, agricultural, industrial, etc.) Cultural heritage uses, concerns, conservation
12h45	Lunch Break
13h45	<u>Political And Economic Processes</u> (S. Busuttil) <ul style="list-style-type: none"> Changing politico-economic geography in Europe and the Mediterranean and implications for regional sea management EU enlargement Coastal communities and cultural diversity Euro-Mediterranean dialogue: EURO-Mediterranean Partnership
15h00	Coffee Break
15h15	<u>Mediterranean Environmental Cooperation</u> (S. Busuttil) <ul style="list-style-type: none"> Origins of MAP (Phase I) Redirection of MAP (Phase II) Regional policy framework Barcelona Convention and protocols, as amended CIESM - the Mediterranean Science Commission
17h00	Adjournment

Day 18: Wednesday, 2 December 2009

09h00	<u>One-Day Seminar on the Evolving EU Integrated Maritime Policy and the Proposed Action Plan</u> (See Annex to Programme)
14h00	<u>Adjournment</u>

Day 19: Thursday, 3 December 2009

08h30	Follow-up to the EU IMP Seminar - Maritime Spatial Planning (Fanny Douvere and Charles Ehler) (See Annex to Programme)
12h30	Lunch Break
MODULE 4 REGIONAL OCEAN GOVERNANCE FOR THE MEDITERRANEAN, BLACK, BALTIC AND CASPIAN SEAS	
Governance of the Mediterranean Sea	

13h30	<p><u>State of the Environment in the Mediterranean</u> (A. Deidun)</p> <ul style="list-style-type: none"> • Oceanographic profile of the Mediterranean Sea • Assessment of the current status of the coastal and marine environment of the Mediterranean Sea through overview of existing reports and publications • Major marine and coastal issues in the Mediterranean Sea • Resource exploitation within the Mediterranean marine area • Threats to the integrity of the marine and coastal environment of the Mediterranean • A changing sea – impact of climate change and exotic species • Conservation efforts within the Mediterranean Basin • Transboundary collaboration within the Mediterranean Basin
14h30	Coffee Break
14h45	<u>State of the Environment in the Mediterranean</u> (A. Deidun, continued)
15h45	Adjournment

<i>Day 20: Friday, 4 December 2009</i>	
08h30	<p><u>UN family and the IOC leading role in ocean and coastal zone related matters</u> (I. Oliounine)</p> <p><u>NGOs and their role in the international scenario</u> (I. Oliounine)</p>
10h50	Adjournment and free time to prepare for the <u>Regional Ocean Policy Framework Simulation Exercise</u>

<i>Day 21: Monday 7 December 2009</i>	
Governance of the Baltic Sea	
08h00	<p><u>Geo-Biophysical Context</u> (M. Hilden)</p> <ul style="list-style-type: none"> • Basic geography and oceanography of the Baltic Sea • Regional watersheds and drainage basins • Coastal and marine ecosystems: issues • Uses of the coastal and marine environment (tourism, fisheries, aquaculture, marine transportation, wind farming) • Pollution from land-based activities • Threat from exotic species • State of the coastal and marine environment: key problems (e.g., eutrophication, vessel source pollution)
10h15	Coffee Break
10h30	<p><u>Socio-Economic and Political Context</u> (M. Hilden)</p> <ul style="list-style-type: none"> • Changing politico-economic geography in the Baltic (new states; Eastern European states joining the EU, NATO, etc.) • Maritime zones and boundaries • Coastal communities and cultural diversity <p><u>Regional Ocean Governance Framework</u> (M. Hilden)</p> <ul style="list-style-type: none"> • Convention on the Protection of the Marine Environment of the Baltic Sea Area (Helsinki Convention) • Helsinki Commission (Helcom) • Regional work programme • EU marine strategy and the Baltic Sea Action Plan
12h15	Lunch Break
Governance of the Black Sea	
13h15	<p><u>Geo-Biophysical Context, Coastal and Marine Uses</u> (V. Mamaev)</p> <ul style="list-style-type: none"> • Basic geography and oceanography of the Black Sea • Regional watersheds and drainage basins • Coastal and marine ecosystems: issues • Uses of the coastal and marine environment (tourism, oil and gas, fisheries, aquaculture, marine transportation) • Pollution from land-based activities and river systems • Threat from exotic species • Cultural heritage • State of the coastal and marine environment: key problems (e.g., eutrophication, exotic species, etc.) • Black Sea Transboundary Diagnostic Analysis 2007 update
15h15	Coffee Break
15h30	<p><u>Socio-Economic and Political Context</u> (V. Mamaev)</p> <ul style="list-style-type: none"> • Changing politico-economic geography in Europe and the Black Sea and implications for regional sea management • Maritime zones and boundaries • Socio-economies of the regional seas and wealth distribution • Coastal communities and cultural diversity

**Training Programme on Regional Ocean Governance for Mediterranean and Eastern European Countries
Towards a Holistic Maritime Policy; 8th November – 11th December 2009**

17h15	Adjournment
17h30	<u>Mediterranean Regional Ocean Policy Framework Simulation Exercise Tutorial Session – S Borg</u>

Day 22: Tuesday, 8 December 2009

Governance of the Black Sea	
08h30	<u>Regional Ocean Governance Framework (V. Mamaev)</u> <ul style="list-style-type: none"> • Strategic Action Plan for the Rehabilitation and Protection of the Black Sea, 1996, as amended in 2002/2007 • Legal framework: Bucharest Convention • Institutional framework: Istanbul Commission • Black Sea Economic Cooperation (BSEC) • Parliamentary Assembly for the Black Sea Economic Cooperation (PABSEC) • Initiative to establish the Black Sea Fisheries Commission • General Fisheries Commission for the Mediterranean (Black Sea dimension) • Cooperative Marine Science Programme for the Black Sea • International Programmes and Projects in the Black Sea (ComsBlack, GEF, NATO, EU, etc.) • NGO Forum
09h45	Coffee Break
Governance of the Caspian Sea	
10h15	<u>Socio-Economic and Political Context (P. Farshchi)</u> <ul style="list-style-type: none"> • Historical setting of the Caspian Sea: ethnic mosaic • Socio-economic profile: sustainable development? • Political context: a tinder box? <u>Ecological Challenges and Opportunities (P. Farshchi)</u> <ul style="list-style-type: none"> • Challenges: fisheries decline, biodiversity erosion, coastal degradation, invasive species, pollution, water level fluctuations • Opportunities: oil and gas, fish, eco-tourism, transport corridor
12h45	Lunch Break
13h45	<u>Regional Ocean Governance Framework (P. Farshchi)</u> <ul style="list-style-type: none"> • Caspian Environment Programme • Tehran Convention Secretariat • Extent of public participation <u>Practical Lessons Learnt from the Caspian Environment Programme (P. Farshchi)</u> <ul style="list-style-type: none"> • How to draw up a TDA • How to draw up National Plans • How to draw up a Strategic Action Programme
16h15	Adjournment

Day 23: Wednesday, 9 December 2009

9h00	<u>Regional Ocean Policy Framework Simulation Exercise: Preparatory session of the Mediterranean Experts Meeting (closed meeting) (A. Behnam / A. Fakhry/ S. Busuttil /I. Oliounine)</u>
10h30	Coffee Break
11h00	<u>Regional Ocean Policy Framework Simulation Exercise: Preparatory session of the Black Sea Experts Meeting (closed meeting) (V. Mamaev /A. Behnam / A. Fakhry/S. Busuttil / I. Oliounine)</u>
12h30	Lunch Break
13h30	<u>Regional Ocean Policy Framework Simulation Exercise: Preparatory session of the Baltic Sea Experts Meeting (closed meeting) (M. Hilden/ A. Behnam / A. Fakhry / S. Busuttil / I. Oliounine)</u>
15h00	Coffee Break
15h30	<u>Regional Ocean Policy Framework Simulation Exercise: Preparatory session of the Caspian Sea Experts Meeting (closed meeting) (P. Farshchi/ A. Behnam / A. Fakhry/ S. Busuttil / I. Oliounine)</u>
17h00	Adjournment

Day 24: Thursday, 10 December 2009

Regional Ocean Policy Framework Simulation Exercise: Final sessions of the Ministerial Meetings and presentations	
--------------------------------------------------------------------------------------------------------------------------	--

08h30	Black Sea Group <i>A. Behnam / A. Drago / A. Fakhry / S. Busuttil / R. Lanfranco / V. Mamaev / P. Farshchi / C. Mifsud / I. Oliounine / M. Hilden</i>
09h15	Comments
09h30	Mediterranean Sea Group <i>A. Behnam / A. Fakhry / S. Busuttil / R. Lanfranco / S. Borg / P. Farshchi / C. Mifsud / I. Oliounine / M. Hilden</i>
10h15	Comments
10h30	Break
11h00	Baltic Sea Group <i>A. Behnam / A. Fakhry / S. Busuttil / M. Hilden / R. Lanfranco / P. Farshchi / C. Mifsud / I. Oliounine</i>
11h45	Comments
12h00	Caspian Sea Group <i>A. Behnam / A. Fakhry / S. Busuttil / R. Lanfranco / P. Farshchi / C. Mifsud / I. Oliounine / M. Hilden</i>
12h45	Comments
13h00	Concluding Remarks by Experts and Adjournment of Session
13h15	Internal Discussion by Experts of Group Work
13h30	Lunch
14h30	<u>Conclusion of Course:</u> Course evaluation and feedback from Participants
15h30	Adjournment

<i>Day 25: Friday, 11 December 2009</i>	
CLOSING DAY	
19h00	<i>Farewell Ceremony with Presentation of Certificates</i>

4. LIST OF PARTICIPANTS

Name: **Belyaeva Maria**
Designation: Phd Student
Address: Department of Geography and Geoecology
Saint Petersburg State University
33-35, 10th Liniya Vasilievskogo Ostrova
Saint-Petersburg199178
Russian Federation
Email: belyaeva_spb@mail.ru
Tel: +79602355755



Name: **De Pascalis Francesca**
Designation: Phd Student in Toxicological Modelling
Address: Ca' Foscari University Venice
Sre. Castello 1364/A, Venice
Italy
Email: francesca.depascalis@ve.ismar.cnr.it
Tel: +393487728338



Name: **Elsarji Mohamed Abbas**
Designation: Film Director/Dive Instructor/Environmental Activist
Address: Jbah Street, Haret Saida,
Sidon
Lebanon
Email: mohamedsarji@hotmail.com
Tel: +9617734452
+9613665489



Name: **Grech James Louis**
Designation: Commanding Officer OPV P61
Address: Maritime Squadron
Hay Wharf Base, Floriana
Malta
Email: james.l.grech@gov.mt
Tel: +35699489039



Name: **Guele Marie-Emilie**
Designation: Marine Policy Officer and Coordinator
Address: World Wild Fund European Policy Office
WWF EPO
168 avenue de Tervurenlaan Box 20
1150 Brussels
Belgium
Email: meguele@gmail.com
Tel: +32488573262



Name: **Kaktiniece Juta**
Designation: Head of Legal Division
Banking Operations and Transactions
Address: AS"SEB banka", Latvia
Meistaru iela 1; Valdlauci K Ekavas Pagasts
K Ekavas Novads LV-1076
Latvia
Email: juta.kaktiniece@seb.lv
Tel: +37167215768
+37126195325



Name: **Kalinskaya Darya**
Designation: Engineer of Marine Optics Department
Address: Marine Hydrophysical Institute
Kapitanskaya 2, Sevastopol 99011
Ukraine
Email: dashustik_m@mail.ru
Tel: +38 0505686943



Name: **Karimova Svetlana**
Designation: Junior Scientific Researcher
Address: Space Research Institute, Russian Academy of
Sciences
Profsoyuznaya 84/32 Moscow117997
Russian Federation
Email: feba@list.ru
Tel: +74953334256



Name: **Malinina Yulia**
Designation: Assistant Lecturer in ICZM
Address: Russian State Hydrometeorological University
Saint Petersburg 193231
Russian Federation
Email: malinina@rshu.ru
Tel:



Name: **Ortiz Noguera Maria Jose**
Designation: Associate Expert, Environmental Governance Programme (for Spain)
Address: Rue de Vermont, 5
Geneva 1202
Switzerland (Spain)
Email: mjortiznoguera@gmail.com
Tel: +41 0762044714



Name: **Redžić Aleksandra**
Designation: Researcher and Phd Student
Address: department of Marine Microbiology
Dobroto B.B. Kotor 85330
Montenegro
Email: aleksrh@yahoo.com
Tel: +38269425727



Name: **Shindy Mohamed Abou Youssef Mohamed Awad**
Designation: Egyptian Environmental Affairs Agency
Address: 30 Misr Helwan Elzreay Road, Maadi, Cairo
Box 11728,
Egypt
Email: mmm_shindy@yahoo.com;
m_shindy1790@hotmail.com
Tel: +20107644323; +20225256452



Name: **Svechnikova Anna**
Designation: Phd Student
Address: Department of Hydrobiology and General Ecology
Astrakhan State Technical University
Tatichev Street; Astrakhan 414000
Russian Federation
Email: astakhin@mail.ru
Tel: +78512251490



Name: **Tanti Gwyneth**
Designation: Post Graduate Student,
Address: Department of Geography
University of Malta
Tal-Qroqq
Msida MSD 2080
Malta
Email: gwyntanti@gmail.com
Tel: +35621373767
+35679201395



Name: **Towong Ratchanak**
Designation: School of Law, Assumption University
(Hua Mak Campus)
Address: Ramkhamheang Road, Bankapi;
Bangkok 10240
Thailand
Email: nhu_nid_za@hotmail.com
Tel: +66 027191919
+66 027191509



5. Lecturers and field trip coordinators

FACULTY	
Behnam, Dr Awni	<i>IOI President International Ocean Institute;</i>
Borg, Dr. Simone	<i>Environmental lawyer; Ministry for Rural Affairs and the Environment;</i>
Busuttill, Amb. Prof Salvino	<i>President, Fondation de Malte; Malta</i>
Cassingena Harper, Dr. Jennifer	<i>Director, Policy Unit, Malta Council for Science and Technology</i>
Conrad, Dr Elizabeth	<i>International Environment Institute, University of Malta</i>
Cordina, Dr Gordon	<i>Economist, University of Malta; Malta</i>
Deidun, Dr Alan	<i>IOI Malta Operational Centre</i>
Drago, Dr Aldo	<i>Director, IOI-Malta Operational Centre;</i>
Ehler, Mr. Charles	<i>President, Ocean Visions; Consultant, Marine Spatial Management Initiative; IOC and MAB Programmes (UNESCO) Paris, France</i>
Fakhry, Mr Aref	<i>International Maritime Law Institute</i>
Fanny Douvere	<i>Programme Coordinator; World Heritage Marine Programme; UNESCO</i>
Farrugia, Ing. Robert	<i>Institute for Energy Technology, University of Malta</i>
Farshchi, Dr Parvin	<i>Project Manager; CaspEco Project; Kazakhstan</i>
Galdies, Dr. Charles	<i>Manager, Malta Meteorological Office; Malta</i>
Hilden, Prof Dr. Mikael	<i>Programme Director of Research Department; Finnish Environment Institute</i>
Kaplan, Mr. Marcus	<i>Resident Scholar; United Nations University, Institute for Environment and Human Security (UNU-EHS)</i>
Khodjet, Ms. Lilia	<i>REMPEC, Malta</i>
Lanfranco, Capt. Reuben	<i>Director, Maritime Institute, Malta College for Science and Technology, Malta</i>
Mamaev, Dr. Vladimir	<i>GEF Regional Technical Advisor, UNDP</i>
Martinez, Dr. Norman	<i>International Maritime Law Institute; Malta</i>
Mifsud, Ms. Carmen	<i>Malta Environment and Planning Authority; Malta</i>
Oliouline, Dr Iouri	<i>Ex-Director IOI, IOC UNESCO Consultant</i>
Sammut, Prof. Charles V.	<i>University of Malta; Malta</i>
Schembri, Dr. John	<i>Coordinator, Geography, Mediterranean Institute; University of Malta; Malta</i>
Serracino Inglott, Fr. Peter	<i>University of Malta; Malta</i>
Shen, Dr. Xiaomeng	<i>Associate Academic Officer; United Nations University; Institute for Environment and Human Security</i>
Umgiesser, Dr. Georg	<i>ISDGM-CNR, Venice; Oceanography, ISMAR-CNR</i>
PARTICIPATING EXPERTS	
Attard, Mr. Chris	<i>Malta Environment and Planning Authority;</i>
Bonavia, Mr Orland	<i>Nature Trust (Malta);</i>
Dimech, Mr Mark	<i>San Lucjan Fisheries and Aquaculture Centre, Ministry for Rural Affairs and the Environment, Malta</i>

6. Course Coordination and Secretariat

Dr. Awni Behnam

President, IOI
Course Director

Dr. Aldo Drago

Director, IOI-Malta Operational Centre
Course Manager

Antonella Vassallo

Programme Officer IOI HQ
Course Coordinator

Alicia Said

Course Secretariat, IOI-MOC

Supporting Staff, IOI-MOC

Joel Azzopardi

Ben Frendo

Martin Galea De Giovanni

Adam Gauci

Annex I - Field Trips



Field Trip 1 – (sea/land based) Grand Harbour and South Coast of Malta

Aim: To provide participants with first hand experience on Malta's coastal environment and an insight into the extent of land/sea use conflicts by competing interests at specific sites such as Marsamxett Harbour, the Grand Harbour and Marsaxlokk Bay and along the south east coast in general. The field visit will expose course participants to the multiple-stakeholder and multiple-use scenario which is constituted by the Grand Harbour, which houses ship repair, cargo handling, yacht marina and cruise vessel facilities, all set within a historical background, underpinning the relevance of adopting the principles of Marine Spatial Planning (MSP). In addition, the fieldtrip will also acquaint course participants with a number of coastal and near-shore economic activities, include aquaculture, bunkering and oil/gas storage facilities, as well as with coastal conservation efforts being undertaken by a local environmental NGO. Expert speakers joining the field trip will provide in-depth information regarding aspects of coastal zone management which will be addressed during the course, e.g. port activities, pollution risk and management, economic contribution of port and marine-based industries, marine-related tourism, fisheries and aquaculture. This activity will also provide participants with the opportunity to interact with the speakers and discuss issues related to the projects assigned to them during the course.

Time	Location	Means of transport	Speaker to intervene
0830	Departure from Sliema/Marsamxett	Boat	
0830	Marsamxett Harbour – Sliema cruise facilities, Manoel Island boat repairs facility, Excelsior/fortifications site, Pieta (Maltese Army naval frigate base and Gozo Ferry), Tigne tourist complex site, Msida yacht marina	Boat	JAS, RF, AD
	Grand Harbour – Dockyard Creek (ship repair facilities), Marsa Creek (cargo handling and transport facilities), Valletta (war memorial near Barrakka Gardens, Fort St. Elmo, Fort St. Angelo, refurbished waterfront, MIDI cruise passenger terminal, Pinto Wharf and MMA HQ), Vittoriosa yacht marina (including casino, etc), Kalkara Creek (including filming facilities and revamped fortification at Rinella, MCST and restoration centre at Bighi)		JAS, RF, AD
1030	Departure from Rinella Quay	Van	
1050	Xghajra (Wied Ghammieq sewage outfall, location of land reclamation study, filming studios)		AD
1120	Departure from Xghajra		
1140	Xrobb I-Ghagin – Deutsche Welle station (nature park by NTM; plans for fish farm relocation, bunkering activities at Hurd's Bank, Delimara powerstation thermal outfall)		NTM, RF, AD
1215	Delimara (lighthouse and fortress) - overview of Mxlokk Bay; power station, Fort San Lucjan and mariculture cages, il-Qajjenza oil and gas tanks storage facility, the bays of San Gorg and Pretty Bay, Freeport and Oil Tanking facilities)		JAS, RF, AD
1245	Departure for San Lucjan		
1300	Arrival at San Lucjan		
1300	Tour of San Lucjan fort		Fisheries
1415	Departure for restaurant (Carrubbia)	On foot	
1430	Lunch at Carrubia		
1600	Van trip back to Sundown	Van	

JAS – John A Schembri, Geography Department, University of Malta

AD – Alan Deidun, Physical Oceanography Unit, University of Malta

RF – Robert Farrugia, Institute for Renewable Energy, University of Malta

Fisheries – Michael Darmanin, representative from Fisheries

Field Trip 2 – (land based) Dwejra (proposed marine protected area), Gozo

Aim: To expose participants to a practical example of a coastal zone management planning exercise.

Participants will be given an overview of the management plan by Nature Trust, the NGO entrusted with the task of drawing it up and implementing it and introduced to the varied perspectives and often conflicting interests of key stakeholders including fishermen, divers, tour boat owners, boat house owners, local authorities, NGOs, the Ministry for Rural Affairs and the Environment, the Ministry for Tourism and Culture and the Ministry for Gozo.

Programme: Tuesday 24 November 2009

Timing	Location/Feature	Speaker	Means of transport
0730	Departure from SUNDOWN COURT		Van
0900	Departure from Cirkewwa by ferry		Ferry
0900	Drive to Dwejra		Jeeps
0930	Dwejra Coastal Tower – vision of short video, talks on characteristics and importance of Heritage Park and site in general, visit to Azure Window and Inland Sea	MG, CF, AD, NF	
1130	Departure for Ghar ix-Xih		Jeeps
1200	Arrival at Ghar ix-Xih - briefing re importance of Ramla l-Hamra, Ghajn id-Damma and Qortin dump site site, conservation issues and archaeological artefacts	MG, AD	
1300	Departure for restaurant		Jeeps
1330	Lunch at Marsalforn – Smugglers Cave restaurant		
1500	Departure for ferry		Jeeps
1530	Ferry trip		Ferry
1600	Departure from Cirkewwa for SunDown Court		Van

MG – Mario Gauci, Nature Trust (Malta)

CF – Chris Attard, Malta Environment and Planning Authority (MEPA)

AD – Alan Deidun, (Physical Oceanography Unit, University of Malta)

NF – Noel Formosa, San Lawrenz Local Council

Annex II - Regional Ocean Policy Frameworks Simulation Exercise

REGIONAL OCEAN POLICY FRAMEWORKS SIMULATION EXERCISE BRIEFING INSTRUCTIONS FOR COURSE PARTICIPANTS

Background

A main focus of the Course is the regional dimension of ocean governance. The Regional Ocean Policy Frameworks Simulation Exercise gives Course Participants an opportunity to apply major themes of the training programme in a hands-on experience activity targeted on the Mediterranean Sea, Black Sea, Caspian Sea and Baltic Sea regions. It builds upon the concept of national, regional and inter-regional policy development for a shared, integrated and common approach to ocean management.

To be truly beneficial, ocean policies should integrate the diverse interests and challenges that underlie society's multiple uses of marine and coastal space and resources. By bringing under a single paradigm the often intermeshed and conflicting uses derived from the sea, integrated policies can help achieve a holistic outlook to the variety of issues and concerns affecting marine space and resources, and hence articulate legislative and managerial tools offering comprehensive rather than partial responses to current and forecasted challenges. Marine and coastal policies across the world vary, however, in the degree of integration achieved.

Moreover, the harmonisation of ocean policies by different countries in a given region is essential to achieve common ocean management goals and maximise benefits to the region. Such harmonisation must often take into account varying degrees of understanding of ocean problems, differing priorities, unequal resources, as well as diverse cultures across the region.

Harmonisation of policies at an interregional level may pose even greater difficulties given the larger scale of issues and efforts involved, but a case may be made for synergies between neighbouring regions for the purpose of sharing and addressing common concerns.

One of the key aspects of the Course is the EU Maritime Policy. Naturally, in a scenario of regional cooperation in sea areas shared with the EU, the reality of the EU Maritime Policy must be fully acknowledged and engaged with. The significance of the EU Maritime Policy may be seen not only through its achievement of a common and articulated maritime vision for the 27-nation bloc, but also through its cross-regional dimension insofar as the Policy covers all the sea areas surrounding Europe.

Objectives

The target of the Exercise is to highlight the importance and the complexity of developing regional ocean policies that encompass the integration of the interests of countries and the synergy of measures to the benefit of a common regional approach.

Through a simulation of roles, the Exercise seeks to engage Course Participants in a realistic but fictitious process of regional ocean policy development.

The EU Maritime Policy and the coherence of policies of neighbouring countries with it are given particular emphasis in the Exercise.

Methodology

Course Participants are divided into Groups, each Group representing a region, namely:

- the Baltic Sea
- the Black Sea
- the Caspian Sea
- the Mediterranean Sea

(Depending on the number and distribution of Course Participants, certain Groups may be joined up or dispensed with.) For purposes of the Exercise, Participants retain their respective national identities and are expected to represent the interests of their respective countries within their allocated Groups. Exceptionally, Participants who are designated as EU representatives are expected to represent the EU's interests.¹

Through role-playing, Course Participants are expected, within their respective Groups, under the overall coordination and direction of the Exercise Leader, aided by the IOI President and the IOI–MOC Director, and the area-specific guidance of the respective Regional Tutors,² to examine the current state of regional ocean policy development in their respective sea areas and work out a realistic but fictitious process through which propositions are negotiated, formulated and ideally adopted by the Group with a view to enhancing and consolidating the current state of regional ocean policy development.

Each Group is expected to simulate a formal ministerial meeting at the conclusion of the Exercise.³ At that meeting, Participants act as ministers—or, in the case of designated EU representatives, as European commissioners—carrying portfolios of their own choice. The ministerial meeting is expected to deliberate and decide on the policy directions that will have resulted from the preparatory work undertaken by the Group.

To help the Groups carry out the Exercise, a series of consultation meetings are held with Regional Tutors.[‡] These consultation meetings are attended by the Exercise Leader, the IOI President or the IOI–MOC Director. In addition, a preliminary review of the draft policy document is effected by a panel of experts, including the Regional Tutors, ahead of the simulation meeting at which the policy document is presented.[‡] Each Group is furthermore expected to hold other meetings outside the normal course programme as necessary (organised on the Group's own initiative).

Each Course Participant is expected to contribute within his/her Group to the exchange of ideas, discussions and negotiations with a view towards the development of a regional ocean policy or, where such a policy exists, towards its further consolidation and improvement.

Each Group is expected to clearly identify the formal framework within which it chooses to engage itself for purposes of the simulation. Such a framework may be an existing one at the regional, e.g., UNEP Regional Seas Programme, or other relevant level, or it may be ad hoc.

Groups are expected to consider and build upon achievements and ongoing work within their respective regions relative to the development of a regional ocean policy. They should also take into account current developments of relevance at the interregional and global levels.

In addition to guidance and advice provided by the Exercise Leader and Regional Tutors, Participants avail from the various related course sessions.

Participants are expected to invest adequate time, perseverance and work in researching, understanding and negotiating with their respective fellow Group Members relevant policy issues. Participants are strongly warned that the requirements of this Exercise demand a high degree of teamwork throughout its duration.

Groups should make available to the Course Coordinator for distribution ahead of the preliminary review meeting a copy of their draft policy document. They should also make available for the simulation meeting a copy of the draft meeting agenda and their final policy document.

¹ See Annex "A" for the composition of regional Groups for the current Course.

² See Annex "A" for identifying the designated Regional Tutor for each Group.

³ See Annex "B" for a recapitulation of the timetable of scheduled course meetings. The timetable is subject to change.

**ANNEX "A" TO
Regional Ocean Policy FRAMEWORKS Simulation Exercise Briefing INSTRUCTIONS (AMENDED)**
Composition of Regional Groups and Identification of Designated Regional Tutors

Baltic Sea Group:

- Juta Kaktiniece (Latvia)
- Yulia Malinina (Russia)
- Gwyneth Tanti (European Union)

Regional Tutor: M. Hilden

Black Sea Group:

- Dar'ya Kalinskaya (Ukraine)
- Sveltana Karimova (Russia)
- Francesca De Pascalis (European Union)

Regional Tutor: V. Mamaev

Caspian Sea Group:

- Maria Belyaeva (Russia)
- P. Farshchi (Islamic Republic of Iran)
- Ann Svechnikova (Russia)
- Ratchanok Towong (Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)), observer

Regional Tutor: P. Farshchi

Mediterranean Sea Group:

- James Louis Grech (Malta)
- Marie-Emilie Guélé (France)
- María José Ortiz (European Union)
- Aleksandra Redžić (Montenegro)
- Mohammed Es-Sarji (Lebanon)
- Mohammed Shindy (Egypt)

Regional Tutor: S. Borg

**ANNEX "B" TO
REGIONAL OCEAN POLICY FRAMEWORKS SIMULATION EXERCISE BRIEFING INSTRUCTIONS**

Timetable Programmed Sessions⁴

Day 5: Friday, 13 November 2009 (Week 1)

10h45-11h45 Briefing (A. Behnam / A. Drago / A. Fakhry)

Day 7: Tuesday, 17 November 2009 (Week 2)

16h30-17h30 First Round of Consultation Meetings with Regional Tutors (A. Behnam / S. Borg / A. Drago / A. Fakhry / P. Farshchi / M. Hilden / V. Mamaev)

Day 14: Thursday, 26 November 2009 (Week 3)

16h00-17h00 Second Round of Consultation Meetings with Regional Tutors (A. Behnam / S. Borg / A. Drago / A. Fakhry / P. Farshchi / M. Hilden / V. Mamaev)

Day 22: Tuesday, 8 December 2009 (Week 5)

16h15- Free time for meetings and consultations with Regional Tutors (A. Fakhry [sitting in for S. Borg] / P. Farshchi / M. Hilden / V. Mamaev)

⁴ In addition, other working sessions are to be held outside the scheduled course programme. The timetable is subject to change.

Day 23: Wednesday, 9 December 2009 (Week 5)

Preliminary Review Meetings (Closed)

- 9h00-10h30 Mediterranean Sea Group (A. Behnam / S. Busuttil / A. Drago / A. Fakhry / I. Oliounine)
- 11h00-12h30 Black Sea Group (A. Behnam / S. Busuttil / A. Fakhry / V. Mamaev / I. Oliounine)
- 13h30-15h00 Baltic Sea Group (A. Behnam / S. Busuttil / A. Fakhry / M. Hilden / I. Oliounine)
- 15h30-17h00 Caspian Sea Group (A. Behnam / S. Busuttil / A. Fakhry / P. Farshchi / I. Oliounine)

Day 24: Thursday, 10 December 2009 (Week 5)

Simulated Ministerial Meetings (A. Behnam / S. Borg / S. Busuttil / A. Drago / A. Fakhry / P. Farschi / M. Hilden / R. Lanfranco / V. Mamaev / N. Martinez / C. Mifsud / Y. Oliounine)

- | | |
|--------------------|----------------------------------------|
| 8h30-9h15 | Black Sea Group |
| 9h15-9h30 | Comments by Assessors |
| 9h30-10h15 | Mediterranean Sea Group |
| 10h15-10h30 | Comments by Assessors |
| 11h00-11h45 | Baltic Sea Group |
| 11h45-12h00 | Comments by Assessors |
| 12h00-12h45 | Caspian Sea Group |
| 12h45-13h00 | Comments by Assessors |
| 13h00-13h15 | Concluding Remarks by Assessors |
| 13h15-13h30 | Internal Discussion by Assessors |

Annex III - Project Studies

Managing Marine Space and its Potential as an Economic Resource

Coordinated by: R. N. Farrugia, A. Drago, C. Mifsud and G. Cordina

Aims:

Course participants shall be expected to carry out: (i) a stakeholder mapping exercise, and (ii) a strategic spatial planning exercise within two designated contiguous areas in the Maltese marine environment; each having its distinct socio-economic and environmental characteristics. These exercises shall offer the students an opportunity to apply the governance and management aspects as well as the assessment and decision making methods presented during the course within a hypothetical, but realistic scenario.

Organisation:

The participants shall be pre-assigned to two teams. At a briefing session early on in the Course (Day 4), the two teams shall be given an overview of the expected tasks and advised on sources of information relevant to the coastal and marine characteristics of the areas in question. The background information shall be adequate to allow the teams to understand the site-specific geographical, technical, social and environmental aspects. Each team shall be expected to work independently of the other and shall present and defend its own findings and recommendations at a Presentations Session on Day 16 of the course.

In the interim period between the Briefing Session and the Presentations Session, the teams shall have the opportunity to gather information from the course lectures and to carry out their own group research in order to fully develop their proposals. Moreover, it is envisaged that over the duration of the course, during Field Trip 1 (Day 8) and at the group discussion meetings (Day 9 & Day 15), the team members shall have the opportunity to meet and consult participating experts on appropriate topics as deemed relevant.

Introduction:

The course participants shall be introduced to two marine areas as indicated in Figure 1. The two areas have been designated as follows:

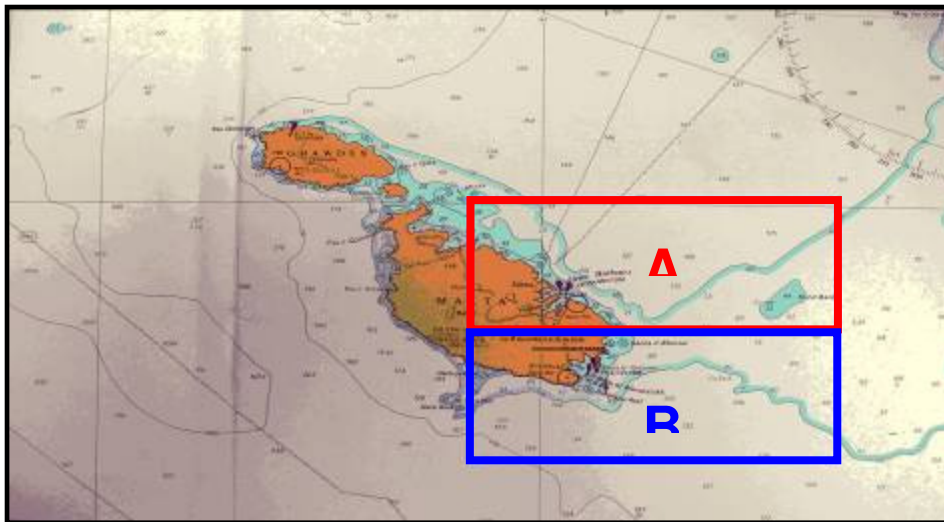


Figure 1: Map of the Maltese archipelago with the Areas A and B designated in this Project Study
 Area A - encompassing the north-east coast of the island of Malta and
 Area B - that includes the south-east coast and approaches.
 The seaward extent to be considered for both areas is 20 nautical miles

The Tasks:

TASK 1: A Snapshot of Marine Sector Activities in Areas A and B

The first task for the participants shall be to identify and map ongoing and planned marine activities occurring in the two separate and distinct areas. All the relevant key marine-related activities occurring on the coast or marine space within the two Areas should be considered, but the main emphasis shall be on two principal sectors:

1. Aquaculture and fisheries;
2. Energy.

The participants shall assess these two major activities by evaluating their technological, economic, social and environmental sustainability and by considering current operations in the light of national and international priorities and policies. The participants are also expected to evaluate these two sectors vis-à-vis interactions with other relevant marine activities such as:

- Bunkering and shipping activities;
- Tourism;
- Land reclamation;
- Domestic and international transport;
- Research and innovation, etc.

TASK 2: Future Prospects - Marine Sector Activities in Areas A and B

The second task for each team shall be to present realistic scenarios for future developments of these two sectors:

- Aquaculture and fisheries, and
- Energy,

for each of the two designated areas.

The proposed scenarios shall be made in the light of national and international obligations, emerging trends and future projections. The scenarios shall detail the expected future development of the marine economic sector in the next 15 - 20 years, and take into consideration some key expected outcomes and forcings that will shape key marine-related services and economic activities. Any proposals shall be linked and synchronised with the results and findings of Task 1.

Task 3: A Spatial Marine Planning Exercise - Marine Sector Activities in Areas A and B

The third and last task shall be to carry out a spatial planning exercise for the two Areas by proposing a realistic distribution (or redistribution) of marine activities within the designated areas as and if appropriate. This spatial planning exercise will evidently take into consideration the existing and emerging options proposed in Task 2.

The analysis in Task 3 shall focus particularly on issues that would typically need to be addressed by project planners/policy makers by identifying technological, economic, social and environmental issues that may be encountered in such a spatial planning exercise. In this part of the study, the participants shall also investigate stakeholder involvement including administrative, business, social and environmental aspects and forecast the implications of any measures proposed.

Deliverables:

This Project Study shall culminate in a Presentations Session where the teams shall present their findings and proposals. The duration of the presentations will be of 20 minutes per team. Following this, 20 minutes shall be allowed for a discussion between the teams with interventions from a panel of experts. The select panel of experts shall have the remit to evaluate the presentations of the two teams and to assess them according to the following criteria:

Qualitative Assessment:

- Thoroughness of background research / literature reviews;
- Level of detail achieved;
- Range of issues addressed;
- Relevance of the issues;
- Identification of key aspects;
- Innovative aspects of any solutions proposed.

Participation and Team Performance:

- Interest, enthusiasm and participation at Team level;
- Contributions at individual level to the team effort;
- Organisation of work and smoothness of the presentation delivery.

Background Information:

The following background documents shall be made available to participants during the study and/or prior to the commencement of the Course and through the Course website:

- Relevant marine maps of the coast of Malta.
- Drago A., Cordina G. et al. (2004), Building the best future for the marine sector in the Maltese Islands. 'A Vision Towards Enhancing the Marine Sector's Contribution to the Maltese Economy in 2020', eFORESEE Marine Pilot Foresight Project, Malta.
- http://ec.europa.eu/environment/nature/natura2000/management/docs/art6/natura_2000_assess_en.pdf and http://ec.europa.eu/environment/nature/natura2000/management/guidance_en.htm
- For guidelines on set up of N2K in the marine environment: http://ec.europa.eu/environment/nature/natura2000/marine/docs/marine_guidelines.pdf
- For the Nature protection restrictions:
a) For Posidonia maps- <http://www.mepa.org.mt/Planning/index.htm?MapServer.htm&1> then select map server- then select Environmental

data- Marine from the Map contents and select Posidonia Baseline survey, when prompted to select map content.

b) For Marine Natura 2000 sites: For Posidonia maps-

<http://www.mepa.org.mt/Planning/index.htm?MapServer.htm&1> then select map server- then select Environmental data Natura 2000 - Candidate Special Areas of Conservation (restrictions for land and marine protected areas) and Special Protection Areas(restrictions for birds) , when prompted to select map content.

c) To view the marine habitat types data collected from EIAs

<http://www.mepa.org.mt/Planning/index.htm?MapServer.htm&1> then select map server- then select Environmental data Marine from the Map contents and select Marine Habitats , when prompted to select map content

- MIMCOL reports: Grand Harbour Report; Fort St Elmo and Marsamxett Harbour Report
<http://www.mimcol.com/home.asp>
- Malta Significant Wave Height Study, Malta Maritime Authority, December 2003.
- MEPA (2002) Coastal Strategy Topic Paper: http://www.mepa.org.mt/index.htm?spr/topics_coastal.htm&1
- MEPA (2004) Issues Paper: <http://www.mepa.org.mt/index.htm?spr/issues.htm&1>
- MEPA (1995) Marsaxlokk Bay Local Plan: http://www.mepa.org.mt/Planning/index.htm?MxllokkBay_LP.htm&1
- MEPA Land reclamation site selection project:
http://www.mepa.org.mt/Environment/index.htm?waste/land_reclamation/mainframe_landrec.htm&1
- MEPA (2006) North West Local Plan:
http://www.mepa.org.mt/Planning/index.htm?local_plans/nwlp/mainframe.htm&1
- Green Paper on a Future Maritime Policy for the European Union:
http://ec.europa.eu/maritimeaffairs/policy_en.html
- MEPA (2006) Central Malta Local Plan:
http://www.mepa.org.mt/Planning/index.htm?local_plans/cmlp/mainframe.htm&1
- MEPA (2006) North Harbour Local Plan:
http://www.mepa.org.mt/Planning/index.htm?local_plans/nhlp/mainframe.htm&1
- MEPA (2003) Grand Harbour Local Plan:
http://www.mepa.org.mt/Planning/factbk/LocalPlans/GHLP/GrandHarbour_LP.exe
- MEPA (2006) South Malta Local Plan: http://www.mepa.org.mt/Planning/local_plans/smlp/mainframe.htm

The following documents can be downloaded from the ICZM webpage on MEPA's website:
http://www.mepa.org.mt/environment/index.htm?land_use/ICZM/mainframe.htm&1

- MEPA (2006) Report on the implementation of the recommendation of the European Parliament and of the Council Concerning the implementation of ICZM in Europe (2002/413/EC), Malta.
- MEPA (2005) Measuring sustainable development on the coast and progress in implementing ICZM in Malta, Workshop Report

PROJECT STUDY SCHEDULE:

Briefing Session:

Day 4: Thursday, 12 November 2009 16:00-17:00 hrs

Field Trip 1:

Day 8: Wednesday, 18 November 2009 08:30 - 17:00 hrs

Group Discussion Meeting:

Day 9: Thursday, 19 November 2009 15:45 - 17:00 hrs

Group Discussion Meeting:

Day 15: Friday, 27th November 2009 17:30 - 18:30 hrs

Group Presentations and Roundtable with Experts:

Day 16: Monday, 30th November 2009 08:30 - 12h30 hrs

Annex IV - Half Day Seminar

*“The EU Integrated Maritime Policy moves ahead
– Tackling the regional challenges and coherence
with the neighbourhood countries”*



Half Day Seminar

“The EU Integrated Maritime Policy moves ahead – Tackling the regional challenges and coherence with the neighbourhood countries”

2nd December 2009

Special Session on Maritime Spatial Planning (MSP)

3rd December 2009

Organised by
the International Ocean Institute
and the IOI-Malta Operational Centre (University of Malta)
Sundown Court Leisure Resort, San Gwann, Malta

Seminar Programme

2nd December, 2009

- 08.30h **Registration**
- 09.00h **Welcome Address and Opening**
Awni Behnam, President, International Ocean Institute
- 09.15h Segment 1: Chair: Aldo Drago, Director, IOI-Malta Operational Centre, University of Malta

The EU Integrated Maritime Policy – From Concept to practise

Providing an overview on how the EU IMP came about, which are the objectives, the practical viewpoints for its implementation, and an update on recent achievements.

Lucyna Kaminska, Directorate-General for Maritime Affairs and Fisheries, Maritime Policy/Mediterranean and Black Sea (D-1)

Maritime Spatial Planning (MSP) – the link to the EU Marine Strategy Framework Directive

Focusing on arrangements and cross-cutting tools that will put the policy into practice, especially those closely related to MSP, and through the development of integrative marine strategies applying an ecosystem-based approach to human activities impacting on the sea. The presentation will further touch upon impacts of the global economic crisis on the EU IMP.

Hermien Busschbach, European Commission DG MARE E-1 Maritime Policy in Baltic and North Sea

Regional and International Impacts of the Evolving EU Integrated Maritime Policy

Dealing with the implications for EU member states and the neighbourhood countries, the regional strategies and highlighting the EU vision for the Mediterranean that has been recently expounded by the EC to improve the maritime governance of the region.

Lucyna Kaminska, Directorate-General for Maritime Affairs and Fisheries, Maritime Policy/Mediterranean and Black Sea (D-1)

- 10.45h–11.10h **Coffee Break**

11.10h Segment 2: Chair: Alan Deidun; IOI MOC

EurOcean – Pushing towards the integration of European maritime information and the sharing of maritime research infrastructures

Presenting EurOcean as an example of the concept of the EU IMP, specifically dealing with the integration of marine information from European initiatives, across institutions and projects, as well as promoting the co-development and co-sharing of marine research infrastructures across countries.

Telmo Carvalho, Executive-Director of EurOcean – The European Centre for Information on Marine Sciences and Technology.

Culture and Regional Maritime Management

The EC's Blue Paper suggests that paying attention to Europe's maritime heritage may help disseminate the policies and holistic approach it proposes. However, implementing the suggestion is trickier than it may sound, since the differences between 'traditional maritime culture' and 'post-industrial maritime culture' are notable. The dual aim of this talk by a cultural anthropologist is, first, to point out the salient differences and second, to suggest how nonetheless a focus on maritime heritage is the right one for EU cooperation with third countries sharing neighbouring and other seas.

Ranier Fsadni, Mediterranean Institute, University of Malta

'Al-Bahri' – Towards the common science-based management of the Mediterranean Sea

Presenting the 'Al-Bahri' initiative aimed to promote a common maritime policy for the Mediterranean, building on the example set by the EU IMP, and capitalising on the exchange of concepts, know-how and practices between the riparian countries, and the sharing of tools and methods especially those deriving from operational oceanography and the related support services.

Aldo Drago, Director, IOI-Malta Operational Centre, University of Malta

Commentary on the Seminar

Peter Serracino Inglott, Chairman of the Board, IOI-Malta Operational Centre, University of Malta

12.45h

Closing Statement

Awni Behnam, President, International Ocean Institute

CLASS STATEMENT

"The EU Integrated Maritime Policy moves ahead - Tackling the regional challenges and coherence with the neighbourhood countries"

Malta, 2 December 2009

The participants of the *IOI-Malta Course on Regional Ocean Governance for the Mediterranean and Eastern European Countries*, held in Malta from the 9th of November to the 11th of December 2009, would like to thank all the distinguished experts for this seminar.

The course has helped us to understand the complexity of oceans governance. We are aware that ocean and sea affairs are interlinked and require a comprehensive approach, ensuring interaction between different sectors and cross-cutting issues. We appreciate an increasing understanding of the importance of integrated marine policy in many parts of the world.

Thus, the EU Integrated Maritime Policy is a crucial stepping stone for maximising sustainable use of the Oceans and Seas, enabling economic growth while combating the deterioration of the marine environment. We believe that the EU Integrated Maritime Policy aims to incorporate the latest scientific knowledge and innovative management approaches, such as Marine Spatial Planning, into strategic policy implementation.

Yet, one of main challenges of the new EU' Maritime policy today is the sharing of a common vision of the oceans and seas with neighbouring countries. The impacts of the human activities have no boundaries on the oceans and the integrated and holistic approach of the EU Integrated Maritime Policy is a tool to reach a common governance of the oceans and seas. The EU policy will stimulate further a goal-oriented multilateral co-operation around the oceans and seas. Europe's leadership in international maritime affairs will enhance regional cooperation with neighbouring countries in shared sea basins.

As it was mentioned in today's presentations, the success of the EU Maritime Policy relies not only in the compliance of the EU member states but also in the cooperation with neighbouring countries. To achieve this, we believe that capacity building, education and knowledge sharing has an essential role. The IOI-training course is an example of cooperation between several actors, not only from different countries of origin but also with different backgrounds.

We strongly believe that intensified targeted training courses such as the IOI training courses will contribute to greater understanding, harmonization and cooperation not only with regard to policies, but also with regard to implementation and adoption of the best practices.

Unfortunately, lack of resources prevents this type of initiatives to be more frequent, fundraising continues to be the cornerstone of the Institutes's work and IOI seeks partners to assist it in implementing its activities.

We wish to express our sincere gratitude to the EU Commission for its continuous support to the IOI Malta courses and for the opportunity given to students. After the course, we will have a better appreciation of the EU approach and of multilateral cooperation and we will bring back to our countries a deeper sense of belonging to a greater community.

Thank you,

Sincerely,

IOI Class 2009

Annex V - Special Session on Maritime Spatial Planning

3rd December, 2009
0900h – 1230h

Fanny Douvere and Charles Ehler - consultants to UNESCO's Intergovernmental Oceanographic Commission (IOC).

The IOI-MSP training session is sponsored by the Lighthouse Foundation.

The aim of the IOI-MSP training session is to make participants familiar with the concepts, terminology and application of MSP. The training will draw extensively on lessons learned from international experience on MSP and will be largely based on the guide "Marine spatial planning: a step-by-step approach toward ecosystem-based management" that has been developed and published (June 2009) by UNESCO's Intergovernmental Oceanographic Commission (IOC) and Man and the Biosphere Programme (MAB) in the context of their Marine Spatial Planning Initiative.

The session will contain three parts:

- (1) **An introduction to the concepts and terminology for maritime spatial planning:** consisting of an introduction on what MSP is, what the benefits are, and how it is related to other existing management approaches, including integrated coastal zone management (ICZM) and ecosystem-based management (EBM). Special attention will be given to the actions of the European Union with regard to MSP.
- (2) **An overview of the essential steps for developing and implementing maritime spatial planning:** dealing with the practical aspects and on how various countries around the world are developing and implementing MSP. Countries will include Germany, Belgium, the Netherlands, the United Kingdom, Sweden, Norway, France, Portugal, the United States, Australia, and Canada. The presentation will be organized around 10 essential steps for MSP, including, establishing authority, defining and analyzing current and future conditions through mapping, stakeholder participation, setting objectives and principles, plan development and implementation, monitoring and evaluation, and adaptation of the MSP process.
- (3) **An insight on how maritime spatial planning can enhance ecosystem-based and integrated management at the regional level, with focus on the Mediterranean, Baltic, Caspian, and Black regional seas:** illustrating how MSP can enhance ocean management at the regional level. This part will concentrate on how to apply what has been learned in part 1 and 2 of the MSP training session.