



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Ecosystem based management in the Mediterranean”

15-16 December, 2011, Athens, Greece

Introduction - The Horizon 2020 Initiative

The “**Horizon 2020 Initiative**” aims to de-pollute the Mediterranean by the year 2020 by tackling the sources of pollution that account for around 80% of the overall pollution of the Mediterranean Sea: municipal waste, urban wastewater and industrial pollution. Climate change is also dealt with as a cross-cutting issue to be addressed.

Horizon 2020 was endorsed during the Environment Ministerial Conference held in Cairo in November 2006 and is one of the key initiatives run under the Union for the Mediterranean (UfM). The H2020 2007-2013 Road-Map focuses on the following four pillars:

- Identification of projects to reduce the most significant sources of pollution.
- Identification of capacity-building measures to help neighbouring countries create national environmental administrations that are able to develop and police environmental laws.
- Use of the EC’s research budget to develop greater knowledge of environmental issues relevant to the Mediterranean and ensure this is shared.
- Develop indicators to monitor the success of Horizon 2020.

H2020 is made up of the following components: monitoring, reporting and research (RMR); investment; and capacity building. Under each component, a project is currently being run. H2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) is the project aiming at enhancing the capacities to address pollution problems at institutional and society level. In addition, through the H2020 MEP, a Hot Spot Investment Programme (HSIP) for the West Balkans and Turkey - as complementary to the Mediterranean HSIP (MeHSIP) – has been elaborated. The other two projects currently being carried out under the investment and RMR H2020 components are respectively the MeHSIP and the Mediterranean Shared Environmental Information System (Med SEIS).

The framework - Horizon 2020 Capacity Building/Mediterranean Environment Programme

Obviously pollution is expected to be substantially reduced through the installation and proper functioning of major infrastructures (e.g. sewage treatment plants), installing pollution reduction technologies in industries, etc. However, this won’t work if institutional and individual capacities are not in place. This is what the H2020 CB/MEP aims to enhance by operating within the existing and developing policy instruments, and supporting the implementation of the commitments undertaken in the framework of the ENP as well as other regional agreements e.g. of the Barcelona Convention, while cooperating, coordinating and synergising with all relevant (EU and other) programmes.

Aims and objectives

The main objective of this project is to support the implementation of Horizon 2020 with a special focus on environmental mainstreaming. It aims to address the following problems:

- low political priority given to the environment;
- insufficient integration of environment in the different sector policies (agriculture, tourism, transport or energy) and lack of inclusion of the different actors from local to international level;
- Insufficient capacities and resources at institutional and civil society level.



UNEP/MAP
and its RACs



CP/RAC



ANGed/
SWEEPNet



AEA



LMoEW



HMEECC



UNESCO-IHE



MIO-ECSD



RAED



WWF
MedPO



ACR+



ACWUA



More specifically, the purpose is to support the implementation of the Horizon 2020 Initiative Road Map and Work Plan through capacity building and awareness raising activities, and to promote integration of environment issues in other sectors policies.

Partners

This project is funded by the European Union and implemented by the National and Kapodistrian University of Athens (NKUA) in consortium with: Mediterranean Action Plan of the United Nations Environment Programme and its Regional Activity Centres and Programmes (UNEP/MAP and its RACs), National Waste Management Agency (ANGed)/ Regional Solid Waste Exchange of Information and Expertise Network in Mashreq and Maghreb Countries (SWEEPNet), Umweltbundesamt GmbH – Austrian Environment Agency (AEA), Lebanese Ministry of Energy and Water - the General Directorate of Hydraulic and Electrical Resources (LMoEW), Hellenic Ministry for Environment, Energy and Climate Change, UNESCO-IHE Institute for Water Education (UNESCO-IHE), Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE), Arab Network for Environment and Development (RAED), WWF Mediterranean Programme Office (WWF MedPO), Association of Cities and Regions for Recycling and Sustainable Resource Management (ACR+), Arab Countries Water Utilities Association (ACWUA).

Partner Countries

The Partner countries are: Albania, Algeria, Bosnia- Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, Montenegro, Morocco, Occupied Palestinian Territory, Tunisia, Turkey and Syria.

Course Description – Ecosystem based management

Introduction to the training course

The training course is organized within the framework of the Horizon 2020 CB/MEP project and in response to the capacity building needs identified by the partner countries and stakeholders in the region. It introduces ecosystem based management concepts and tools, including scientific, economic, social and legal aspects, so that Partner countries are better able to be involved in the development and implementation of ecosystem based management approaches. The seminar is organized by the Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE) and WWF MedPO, in collaboration with UNEP/MAP. It is hosted by the University of Athens (UoA) and supported by the Hellenic Ministry of Environment, Energy and Climate Change. Its duration is 2 days; the language of the course is English and French.

Participants in this seminar (around 50) are from all H2020 Partner countries. This activity aims to build capacity at regional level for the implementation of Horizon 2020 objectives and provide the opportunity to share relevant valuable experiences.

Target group

The capacity building activity is targeted to:

Relevant ministries, departments and institutions, managers, NGOs, etc., who are interested in developing and implementing ecosystem approaches for the management of human activities and their impacts on the marine and coastal environment. The background level of the trainees is expected to be of an intermediate level.

Learning objectives

The main objective of the course is to provide to the trainees a solid understanding of the ecosystem based management approaches: key principles (including scientific, economic, social and legal aspects); global, EU, Mediterranean and other frameworks; tools and skills needed for effective development and implementation of ecosystem based management; challenges (science, policy and knowledge gaps).



UNEP/MAP
and its RACs



CP/RAC



ANGed/
SWEEPNet



AEA



LMoEW



HMECC



UNESCO-IHE



MIO-ECSDE



RAED



WWF
MedPO



ACR+



ACWUA



Methodology and Structure

The workshop will be comprised of a balanced mix of presentations, small group simulation exercises and moderated discussion to foster an engaging learning experience. It is also intended to be participatory and interactive.

Learning outcomes of the training course

- An in-depth understanding and increased awareness of ecosystem based management approaches, systems, methodologies;
- Knowledge and understanding of appropriate management tools that ensure integrated management of national resources at national and regional level, thus ensuring the effective implementation of ecosystem based management approaches;
- Identifying similarities, differences and complementarities between the different ecosystem based management concepts, approaches, initiatives (UN, EU, etc.);
- Developing an ecosystem based management strategy;
- Understanding of the links between global/regional/national ecosystem based management approaches;
- Enhanced skills to increase integration between national and regional institutions in the development and management of projects/programmes on the marine and coastal environment;
- Acquiring the necessary information to replicate lessons learned at the national and local level.

An overview of the course and course curriculum is given below:

- Introduction to the basic concepts and principles of the ecosystem based management of the environment;
- Overview on global/regional/national strategies, policies, regulatory frameworks (UN, EU, MSFD, etc.) in terms of ecosystem-based, holistic environmental management, including cross sectoral and transboundary aspects;
- Overview of the findings regarding the assessment procedures being undertaken in the context of relevant ecosystem approaches and ecosystem based management initiatives from around the world, including the principles adopted by the CBD, the processes undertaken by OSPAR and HELCOM, the actions detailed under the EU Marine Strategy Directive, etc.
- Overview of major tools/means to implement the ecosystem based approach such as Marine Protected Areas, ICZM and IWRM, Marine Spatial Planning, Pollution Control and Prevention, etc;
- Guidelines on how make the ecosystem based management operational, by shifting from traditional types of management to the ecosystem based management;
- Regional Governance challenges and how to address them;
- National perspectives: Presentations and an open forum.



UNEP/MAP
and its RACs



CP/RAC



ANGed/
SWEEPNet



AEA



LMoEW



HMEECC



UNESCO-IHE



MIO-ECSD



RAED



WWF
MedPO



ACR+



ACWUA



Course schedule/ curriculum

Course schedule/ curriculum				
Day 1	Topic	Description	Length	Method/Speaker or Trainer
Session 1	Official opening	Welcome addresses and opening remarks Capacity Building Programme of H2020 Introduction of course program	9.00-10:30	Prof. Michael Scoullios, Team Leader of H2020 CB/MEP, Chairman of MIO-ECSD Mr.Saverio Civili, Coordinator of UNEP/MAP-MEDPOL Ms. Francesca Antonelli, WWF MEDPO
			Coffee (15 min.)	
Ice breaker		Introduction of speakers and participants Expectations from the workshop	10:45-11:30	Ms. Francesca Antonelli
Session 2	Setting the scene	Ecosystem based management, a bit of history and what does it mean	11:30-12:00	Mr. Khaldoon Mourad, Dpt. Water Resources Engineering, Lund University
	Approaches	Ecosystem Based Management Approaches & Initiatives	12:15-13:00	Mr. Panagiotis Panagiotidis, Marine Expert, National Centre for the Environment and Sustainable Development
			Lunch (1 hour)	
Session 3	Ecosystem based management at work	Marine Strategy Framework Directive	14:00-14:45	Ms. Maria Capari, Marine Expert, National Centre for the Environment and Sustainable Development
		Implementation of the Ecosystem Approach by MAP: process, experiences, challenges, lessons learned and future steps	15:45-16:30	Ms. Tatjana Hema, UNEP/MAP-MEDPOL Programme Officer
			Coffee (15 min.)	
Session 4	Discussion	Case studies on the implementation of the Ecosystem Approach by countries	16:45-17:30	participants
Day 2	Topic	Description	Length	Method/Speaker or Trainer
Session 1		Water Framework Directive	9:00-9:45	Ms. Francesca Antonelli
		ECM applied to fisheries	9:45-10:30	Mr. Giorgos Paximadis, WWF Greece
		Marine Protected Areas	10:30-11:00	Ms. Marina Gomei, WWF MedPO
			Coffee (15 min.)	
Session 2		Integrated Coastal Zone Management	11:15-11:45	Ms. Virginie Hart, Coastal and Marine expert, MedPartnership
	Working group	Working groups: developing an ecosystem based management strategy	11:45-13:00	participants
			Lunch (1 hour)	
Session 3	Working group	Working groups: developing an ecosystem based management strategy	14:00-17:00	participants
			Coffee (15 min.)	
Session 4	Closing	Closing Remarks and Certificates Awards, Departure	17:15-18:00	



UNEP/MAP
and its RACs



CP/RAC



ANGed/
SWEEPNet



AEA



LMoEW



HMECC



UNESCO-IHE



MIO-ECSD



RAED



WWF
MedPO



ACR+



ACWUA