



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Integrated Sustainable Waste Management – Focussing on minimising marine litter”

7-9 March, Istanbul, 2011

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.

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) – is being 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;



UNEP/Map
and its
...



ANGed/
SWEEPNet



AEA



LMoE
W



HMEECC



UNESCO-IHE



MIO-ECSDE



RAED



WWF
MedPO



ACR+



ACWUA

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- Insufficient capacities and resources at institutional and civil society level.

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, Syria.

Course Description - The organic waste cycle - a resource efficient model

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 earlier in the project. The course is organized by the Association of Cities and Regions for Recycling and Sustainable Resource Management (ACR+) with support from Waste and UNEP/MAP MEDPOL. Its duration is 2,5 days; the language of the course is English with translation available in Turkish.

About twenty (20) participants will attend from Turkey.

Target group

The capacity building activity is targeted to: Country officials (Ministries, Agencies, Regional & Local authorities), and others that are involved, or will be in the future, in finding solutions for the marine litter challenges in their country, region or local authority. The background level of the trainees is expected to be of a basic/intermediate level.

Learning objectives

The main objective of the course is to increase the trainees' understanding the complex and multidimensional problems of marine litter and develop their skills to allow them for appropriate decision making regarding Integrated Sustainable Waste Management options with emphasis on marine litter.

Methodology and Structure

The workshop is intended to be participatory and interactive, making use of professional learning tools such as

- Pre- and post course assignment
- Lectures

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- Group- and plenary discussions
 - Learning by doing exercises
 - Site visit(s) (close by)
 - Video display
 - Case study exercises

Learning outcomes of the training course

After the training course the trainees will be able to:

- Understand the current status of the marine litter problem in the Mediterranean/ Turkey
- Understand the complex and multi-dimensional problem of marine litter
- Appraise the key issues (technical, environmental, economic, safety, health, cultural and social) related to marine litter
- Appraise the environmental, social and economic benefits of improved marine litter management
- Explain the reasoning behind the choices made for a specific marine litter management system based on ISWM
- Create a set of criteria to consider when designing a marine litter management programme based on ISWM
- Develop a preliminary draft marine litter management plan per (group of) trainee(s) to share with his/her unit/ administration, ...

A preliminary overview of the course is given below:

- The ISWM framework (and relationship with the topic of marine litter)
- Marine litter in context
- The Mediterranean context
- Scale of the problem
 - Types (characterization) of marine litter in the Mediterranean/ Turkey coastal areas
 - Recording of litter floating on the surface of the Mediterranean sea/ Turkey coastal areas
 - Sources of marine litter in the Mediterranean/ Turkey coastal areas
- Elements on the environmental effects and socio-economic loss of marine litter in the Mediterranean/ Turkey coastal areas
 - Impacts on wildlife and humans
 - Secondary pollution from marine litter
 - Socio-economic impacts
- Marine litter monitoring programs in the Mediterranean/ Turkey coastal areas
- Improved marine litter management practices based on ISWM linked with the following bullet
- Improved (municipal) waste management (based on ISWM) practices affecting the marine litter problem
- Develop a sustainable (marine litter) waste management action plan including:
 - Legal and institutional recommendations
 - Economic proposals
 - Controlling instruments for waste management
 - Monitoring and information system on coastal waste
- Information, communication and sensitization as tools for improved participation and buy-in from different stakeholders

Draft Course schedule/ curriculum

	Topic	Description	Length	Trainer	Method
Day 1: 7 March					
Session 1 (8:30-9:30)	Official opening	- Welcome addresses and opening words - Introduction of course program - Introduction of speakers and participants - Rules of the road/training culture, how translation will work, etc	1 hour	Hosts: Jean-Jacques Dohogne	-Opening words and round of introductory statements - For the introduction of the participants and speakers the drawing method could be used. Each person should draw on a A4 page what is his/her relation to marine litter.
Session2 (9:30-10:00)	Introduction	EU IPA financial assistance on integrated waste management	0.5 hour	European Union delegation representative	Presentation
Session 2 (10-10:30)	Introduction	The waste challenges in the Mediterranean context and the need to develop networking initiatives	0.5 hour	Jean-Pierre Hannequart	Interactive presentation
10 :30-11.00	Coffee Break		0.5hour		
Session 2 (11:00-11:30)	Introduction	What is marine litter? Clearing out definitions: <ul style="list-style-type: none"> • Common types by location (coastal, seabed, etc.) • Common types by composition (plastic, wood, rubber, etc.) • Common types encountered in the region. Why is it important? Marine litter in the Mediterranean Sea area: some issues and problems. Link with next topic.	0.5 hour	Nathalie Agathos and Ulku Ozeren	Diagrammatic Presentation with Image Exercise.
11.30-13.00	Assessing Current Situation (ISWM)	What is Integrated Solid Waste Management methodology? - Waste System Stakeholders and stakeholder exercise	1.5hours	Anne Scheinberg	Theory plus Exercise
13.00-14.30	Lunch Break		1.5 hours		
Session 3 (14:30-15:30)	Assessing Current Situation (ISWM)	Waste system elements applied to Marine Litter	1.0 hour	Nathalie Agathos and Anne Scheinberg	Picture-based theory plus discussion (Refer to references list for related information sources)
(15:30-16:00)	Coffee Break		0.5hour		
Session 4 (16:00-17:30)	Assessing Current Situation (ISWM)	Waste System aspects applied to marine litter and exercise	1.5hours	Anne Scheinberg and Ulku Ozeren	Group Exercise (Refer to Reference list for related information sources)

Day 2: 8 March					
Session 1 (09.00- 13.00)	Study Visit	Study visit. Blinded by litter: visit to beaches on the Sea of Marmara.	4 hours	Cigdem Arsiray	Collaboration with local organizations that have local expertise. Visit to be combined with exercise.
(13.00-14.30)	Lunch		1.5hours		
Session 2 (14.30-15.00)		Recap of the day before and study visit	0.5 hour	JJ Dohogne	Questions Small Recap Exercise
Session 3 (15.00-16.00)	Learning by Example	Analysis: Case Studies of ISWM based marine litter management programmes/plans in the Mediterranean or other region (i.e: NOWPAP)	1 hour	Ulku Ozeren and Nathalie Agathos	Exercise: Participants to be divided into groups and analyze its case based on the ISWM methodology.
(16.00-16.30)	Coffee Break				
Session 4 (16.30-17.30)	Learning by Example	Presentation: Case Studies of ISWM based marine litter management programmes in the Mediterranean or other region (i.e: NOWPAP)	1 hour	JJ Dohogne and Ulku Ozeren	Exercise: The groups to present back their analysis.

Day 3: 9 March					
Session 1 (09.00-10.00)		Recap of the day before (10 mins) First Planning session	1 hour	JJ Dohogne	Structured planning session 2 in small groups
Session 2 (10.00-11:00)	Strategic Planning	Definition of Criteria when Strategically Planning for Marine Litter Management	1 hour	JJ Dohogne and Anne Scheinberg	Theory plus inputs from days 1 and 2 of the training.
(11.00-11.30)	Coffee Break				
Session 3 (11.30-13.00)	Strategic Planning	Development of preliminary/draft version of Marine Litter Plans by the participants.	1.5hours	Anne Scheinberg	Structured planning session 1 in small groups
Session 4 (13.00-14.00)	Closing	Closing Remarks Evaluation of Training Certificate Awards	1 hour	JJ Dohogne	
(14.00-15.00)	Lunch				