



Horizon 2020 Capacity Building/Mediterranean Environment Programme

Sub-regional training: “Solid Waste Management and tourism: the case of the eco-island Krk”

4 – 6 October, Croatia, 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) – 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



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AEA



LMoEW



HMEECC



UNESCO-IHE



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ECSDE



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, Syria.

Course Description - Solid Waste Management and tourism: the case of the eco-island Krk

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 the support from Croatian officials, consultants and other trainers. Its duration is 2,5 days; the language of the course is English. Around thirty participants will attend from Albania, Bosnia and Herzegovina, Croatia, Montenegro and 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 (tourism) waste in their region or local authority. The background level of the trainees is expected to be of an intermediate level.

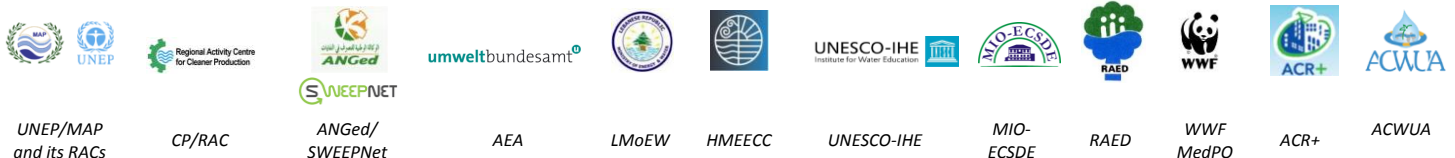
Learning objectives

The main objective of the course is to increase the trainees’ understanding of municipal waste management systems in tourism destinations and develop their skills to allow them for strategic planning in the field of Integrated Sustainable Waste Management systems in tourism areas.

Methodology and Structure

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

- Pre- course assignment
- Lectures
- Group- and plenary discussions
- Learning by doing exercises





- Site visit(s)
- Video display

Learning outcomes of the training course

After the training course the trainees will be able to:

- Understand how to make a diagnostic review of the current status of the (tourism) waste
- Understand municipal waste management challenges in tourism destinations
- Appraise the key issues (technical, environmental, economic, safety, health, cultural and social) related to waste management in tourism destinations
- Appraise the environmental, social and economic benefits of improved waste management in tourism areas
- Explain the reasoning behind the choices made for a waste management system in tourism areas
- Assessing and clarify the role, responsibility and duties of local authorities regarding the implementation of a tourism waste management plan

A preliminary overview of the course is given below:



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Detailed training/ study visit program

Arrival of the trainees at Krk on Monday 3 October 2011

	Topic	Description	Length	Trainer/ facilitator	Location	Method
Day 1: Tuesday 4 October 2011						
9h00 – 10h00	Official opening and introduction	<ul style="list-style-type: none"> Welcome addresses & opening words Introduction of course program Introduction of speakers and participants Rules of the road/training/ study visit culture, etc Introduction to ISWM 	1 hour	Ms. Vlachogianni Mr. JJ Dohogne	Hotel Conference room (HCR)	Opening words and round of introductory statements
10h00-11h00	Croatia waste planning	<ul style="list-style-type: none"> Croatia waste act Waste management plan Croatia (2007-2015) 	1 hour	Mr Aleksandar Rajilić (Head of the Waste Management Department)	HCR	Interactive presentation + Q&A session
11h00-11h30	Coffee break					
11h30-12h15	Croatia waste mngt implementation	<ul style="list-style-type: none"> Roles and responsibilities in waste management Waste quantities and management in Croatia (General overview, municipal waste management, separate collection and recovery, specific waste categories, transboundary movement) Waste information system – databases and reporting 	¾ hour	Croatia Environmental Agency (CEA) – Jasna Kufrin	HCR	Presentation
12h15–12h45	Feedback session	<ul style="list-style-type: none"> Reflection of trainees regarding waste mngt to their own situation (based on pre-assignment) 	½ hour	CEA (Jasna Kufrin) + JJ Dohogne	HCR	Small group exercise + interactive feedback session
12h45-14h00	Lunch Break		1 ¼ hour		Hotel	
14h00-14h45	Eco-island Krk – case study	<ul style="list-style-type: none"> History and background of waste mngt on eco-island Krk Diagnostic review on eco-island Krk Scale of the waste challenges on the eco-island Krk 	¾ hour	Prof. Slaven Dobrovic	HCR	Presentation
14h45-15h15	Feedback session	<ul style="list-style-type: none"> Reflection of trainees to diagnostic reviews (based on pre-assignment) 	½ hour	Prof. Slaven Dobrovic + JJ Dohogne	HCR	Small group exercise + interactive feedback session
15h15-15h45	Coffee break					
15h45–16h45	Eco-island Krk – case study	<ul style="list-style-type: none"> Key technical, environmental, economic, health, cultural and social issues considered when designing the eco-island waste management plan (responding measures) The concrete waste mngt plan, actions, targets, indicators, ... 	1 hour	Prof. Slaven Dobrovic	HCR	Interactive presentation
16h45 – 17h00		Wrap up day 1		JJ Dohogne		



Day 2: Wednesday 5 October 2011						
	Topic	Description	Length	Trainer/facilitator	Location	Method
9h00 – 9h15	Introduction	<ul style="list-style-type: none"> Recap of day 1 and introduction to day 2 	¼ hour	JJ Dohogne	HCR	Interactive session
9h15-10h00	Croatia	<ul style="list-style-type: none"> Waste management planning for regional and local authorities (measures, financial sources, deadlines,...) 	¾ hour	Regional authority (to be confirmed)	HCR	Interactive presentation
10h00-10h30	Eco-island Krk	<ul style="list-style-type: none"> Stakeholder identification and involvement - planning and implementation process 	½ hour	Krk Municipality(to be confirmed)	HCR	Interactive presentation
10h30-11h00	Coffee break					
11h00-11h30	Eco-island Krk	<ul style="list-style-type: none"> Public awareness, information and communication campaigns in Croatia/ Eco-island Krk 	½ hour	Prof. Tomislav Lerotić	HCR	Interactive presentation
11h30-12h15	Eco-island Krk site visit preparation	<ul style="list-style-type: none"> Introductory session to the site visit 	¾ hour	Mr. Juresic-Ponikve company	HCR	Presentation + videos
12h15-13h45	Lunch Break		1 ½ hour			
14h00–17h00	Site visits	<ul style="list-style-type: none"> Krk and surroundings: visit to collection systems, POSAMs, recycling center, composting unit, landfill,... 	3 hours	Mr. Juresic-Ponikve company	Krk and surroundings	Interactive study visit followed by plenary discussion and recap

Day 3: Thursday 6 October 2011						
	Topic	Description	Length	Trainer/facilitator	Location	Method
9h00 – 9h15		<ul style="list-style-type: none"> Recap of day 2 and introduction to day 2 	¼ hour	JJ Dohogne	HCR	Interactive session
9h15-10h15	Waste mngt planning	<ul style="list-style-type: none"> Criteria to consider when Strategically Planning for waste management (in touristic areas) 	1 hour	JJ Dohogne	HCR	Theory plus inputs from days 1 and 2 of the training
10h15-10h45	Coffee break					
10h45-11h45	Waste mngt planning	<ul style="list-style-type: none"> Development of preliminary/draft version of Waste management plans 	1 hour	JJ Dohogne	HCR	Structured planning session in small groups
11h45–12h15	Closing	<ul style="list-style-type: none"> Closing Remarks Evaluation of Training Certificate Awards 	½ hour	JJ Dohogne	HCR	Interactive session
12h15	Lunch					
Departure of the trainees from Krk island on Thursday afternoon 6 October or Friday morning 7 October 2011						