



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Sustainable Management of Industrials Cities”

June 27-29, Podgorica, Montenegro, 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;
- Insufficient capacities and resources at institutional and civil society level.



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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 – Sustainable Management of Industrial Cities

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. It addresses the need for introducing sustainability concerns in the management of industrial cities and focuses on (i) elucidating and managing the environmental impacts of industrial cities and (ii) on tools and measures for mitigating the impacts on the Mediterranean Sea. The course is organized by the Regional Activity Centre for Cleaner Production CP/RAC with the support of the Government of Montenegro. Its duration is 2.5 days; the language of the course is English (with interpretation into Montenegrin).

Target group

The capacity building activity is targeted to:

Representatives of local/national authorities, academia, industry, environmental regulatory bodies, particularly those with responsibilities regarding industrial areas and coastal zone management.

The workshop is addressed to intermediate level professionals.

Learning objectives

The main objective of the course is to provide to the trainees a basic understanding of sustainable management of industrial cities including an overview of:

- National and the latest European Regulatory standards
- Environmental impacts of industrial cities (wastewater, solid waste emissions, POPs, ...)
- Technical approaches for reducing resources use and mitigating the impacts of industrial cities.

Methodology and Structure

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

- Presentations
- Discussions on emerging topics
- Open forum
- Site visit



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Learning outcomes of the training course

- Updated knowledge on modern technology and technical approaches for sustainable management of industrial cities.
- Understanding industrial waste management.
- Identifying the most significant environmental impacts which require mitigation and in turn increase awareness on the potential cumulative impacts of industrial plants on the Mediterranean Sea.
- Appreciation of the need for sustainable project designs and 'green' technologies and better understanding of the concepts of Cleaner Production and sustainable management of industrial areas as complementary approaches for mitigating the impacts of industrial cities.
- Identification of relevant follow-up capacity building activities.

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

- Overview of the national strategy and projects in terms of sustainable management of industrial cities and coastal areas.
- National Regulatory Standards for wastewater discharge.
- Sustainable management of industrial waste.
- Visit to an industrial area to apply the SMIA (Sustainable Management of Industrial Areas) approach
- Concept of Cleaner production at micro and meso level and Sustainable Management of Industrial Areas.
- National perspectives: Presentations and an open forum.

Course schedule

1st day – 27.06.2011

27.06.2011	Topic	Description	Length	Method/speaker
Session 1	Official opening	Welcome addresses and opening words Introduction of course program Introduction of speakers and participants	9:00-9:30	opening words and round of introductory statements
		Capacity Building Program of H2020	9:30-10:00	M. Emad Adly H2020 Deputy Team Leader
		Sustainable Consumption and Production in the Mediterranean – CP/RAC activities	10:00 – 10:15	Magali Outters CP/RAC
	National strategy and projects in Montenegro	Presentation of the national strategy and projects in the area of sustainable management of industrial cities and coastal areas	10:15-10:45	Ms. Jelena Knezevic Ministry of Environment and Tourism - Montenegro
<i>Coffee (30 min.)</i>				
Session 2	Industrial Emissions Directive, IED : (IPPC recast)	Key elements of 1996 IPPC Directive: BREF, BAT... IED : scope, main changes, depth aspects and sectors	11:15-12:30	M. Joan Ramon Cabello Integrated Environmental Management Office in Tarragona, Ministry of Territory and Sustainability of Catalunya
<i>Lunch (1 hour)</i>				
Session 3	Persistent Organic Pollutants (POPs) and industry	Impact, definition, emission source, regulatory framework, POPs solution	13:30-15:00	M. Roland Weber POPs environmental consulting
<i>Coffee (30 min.)</i>				
Session 4	Industrial waste management in ICs	Experience of the Catalan waste agency	15:30-17:00	M. Enrique Elias Manager of the Technical Department Catalan Waste Agency
Session 5		Discussion with participants	17:00-17:30	



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2nd day – 28.06.2011

28.06.2011 Session 1	Circular economy concept and its implementation	Territorial and integrated approach of resource management (Key concepts, methods of implementation, French case studies and perspectives)	9.00-11:00	M. Benoît Duret Mydiane
			<i>Coffee (30 min.)</i>	
Session 2	Application of Sustainable Management tools for Industrial Areas (SMIA)	Identifying the potential of an Industrial area by mapping 'pollution hot spots', interviews and stakeholder analysis, and institutional analysis.	11:30-13:00	Dr. Edith Kürzinger
			<i>Lunch (1 hour)</i>	
Session 2	Application of Sustainable Management tools for Industrial Areas (SMIA)	Identifying the potential of an Industrial area by mapping 'pollution hot spots', interviews and stakeholder analysis, and institutional analysis.	14:00-15:30	Dr. Edith Kürzinger
Session 3	Industrial cities management: Capacity building through Cleaner production (CP). CP Clubs	CP concept, implementation practices, advantages, options and case studies. The case of CP Clubs (a group of companies working together to save money and reduce waste through the implementation of CP).	15:30-17:00	Dr. Edith Kürzinger

3rd day – 29.06.2011

29.06.2011 Session 1	Excursion	Visit of an industrial area – on site exercise with the SMIA approach	9.00-11:30	
Session 2	Closing	Evaluation of the course, Closing Remarks and Certificate Awards Departure	12:00-12:30	
			<i>Lunch (1 hour)</i>	



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