



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Improving existing institutional frameworks, legislation and policy related to Emission Limit Values (ELV) for industrial effluents, industrial permitting and monitoring systems according to the IPPC principles and CP concepts”

29-30 September 2011, Beirut, Lebanon

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.



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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, Syria, Tunisia, Turkey.

Course Description – Improving existing institutional frameworks, legislation and policy related to Emission Limit Values (ELV) for industrial effluents, industrial permitting and monitoring systems according to the IPPC principles and CP concepts

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 by the project. These needs consist of improving legal and institutional frameworks to enable companies to identify and progressively implement the key mechanisms for preventing industrial pollution. The course introduces the principles of Integrated Pollution Prevention and Control (IPPC) based on the application of an integrated environmental approach to the regulation of industrial activities. This means that emissions to air, water (including discharges to sewers) and land, plus a range of other environmental impacts, must be considered together. It also means that regulators must set permit conditions, on the basis of “Best available Techniques” (BAT), so as to achieve a high level of protection for the environment as a whole. This training course introduces also the Cleaner Production (CP) concept which is considered to be an efficient tool for implementation of BAT. The course is organized by the UNEP/MAP Regional Activity Centre for Cleaner Production (CP/RAC). Its duration is 2 days; the language of the course is English with interpretation into the national language.

Participants in this seminar (max 40) are Lebanese. This activity aims to build capacity at national level for the implementation of the Horizon 2020 objectives and provide the opportunity to share relevant valuable experiences.

Target group

The capacity building activity is of an intermediate/advanced level and is targeted to various Lebanese institutions including Ministries (Environment, Industry, Agriculture, Energy and Water...), professionals in the industrial sector, local authorities; members of Chambers of Commerce; members of business organizations and entrepreneurs.

Learning objectives

The main objective of the course is to introduce trainees to the IPPC principles and Cleaner Production concepts with regard to the industrial sector in Lebanon. The present course is aimed at:





- Providing information on the advantages and opportunities of an integrated permit system to control and monitor industrial activities,
- Improving the legal framework, enhancing institutional and administrative capacities of environmental pollution prevention including the procedures for issuing of permits as well as enforcement and inspection according to the IPPC principles and CP concepts.

Methodology and Structure

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

- Lectures with practical examples
- Case study presentations
- Plenary discussions
- Site visit (tbc)

Learning outcomes of the training course

After the training course the trainees will be able to understand:

- The European context that led to the establishment of the IPPC directive;
- The IPPC Directive and its principles: 1) Integrated approach, 2) Best Available Techniques, 3) Flexibility, and 4) Public Participation;
- The Best Available Techniques process and main industrial categories covered by the IPPC directive;
- The main option for implementation of the IPPC directive;
- The aims of the Sevilla Process as a driver for environmental performance in industry;
- Structure, content and usability of the BREF document;
- The Cleaner Production concept as a tool for implementation of Best Available Techniques.

A preliminary overview of the course is given below:

- National strategy and projects in the area of pollution prevention and control in Lebanon
- Political framework of the IPPC directive
- Legal framework of the IPPC directive
- BREF document: preparation process, contents and structure
- Concept of Best Available Techniques (BAT) and Emission Limit Values (ELV)
- Implementation of the IPPC directive; From the IPPC to the Industrial Emissions Directive (IED)



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DRAFT AGENDA

Day/Session	Topic	Description	Trainer	Method
Day 1: 29th Sept				
Session 1	9:00 – 10:00	Official opening	Eng. Bassam Sabbagh, Urban Environment Pollution Control Department, H2020 Lebanese Focal Point Dr. Emad Adly, Deputy Team Leader of H2020 CB/MEP, Ms. Magali Outters UNEP/MAP CP/RAC Dr. Mohammed Ezzine CP/RAC-H2020 Thematic Expert	
		<ul style="list-style-type: none"> About the H2020 CB/MEP About CP/RAC Introduction of course programme Introduction of speakers and participants 		
Session 2	10:00-10:45	National strategy and projects in the area of pollution prevention and control	Mr. Hicham Abou Jaoude CEO of DMA/ex-coordinator of the Environment and Energy committee of the Association of Lebanese Industrialists (ALI)	Presentation
	10:45-11:00	Coffee break		
Session 3	11:00-12:15	IPPC directive and IED: legal framework, concept of BAT (part1)	IPPC directive: Approach, the main targets, Definition of BAT, criteria for determining BAT, main industrial categories covered by the IPPC directive, Emission Limit Values setting up based on BAT	Mr. Nicolas Ritzenthaler, Delegation of the EU to the Republic of Lebanon
Session 4	12:15-12:45	Questions/Answers		
	12:45-14:15	Lunch break		
Session 5	14:15-15:45	IPPC directive and IED: legal framework, concept of BAT (part2)	<ul style="list-style-type: none"> Implementation in the EU Environmental permits: Guiding principles, Requirements, Decision From the IPPC to IED: what is changing? Targets of the IED) 	Mr. Konrad Mair Government of Upper Bavaria - Germany Head of Department Environment, Public Health and Consumer Protection
Session 6	15:45-16:00	Questions/Answers		
	16:00-16:15	Coffee break		
Session 7	16:15-16:45	IPPC directive and IED: legal framework, concept of BAT (part3)	Example of implementation: Slovenia	Mr. Konrad Mair
				Practical examples case study
Day 2: 30th Sept				
Session 1	9:00- 10:00	The Sevilla Process and its results	<ul style="list-style-type: none"> BAT information exchange process, Preparation of BREF document General content of BREF document 	Mr. Konrad Mair
				Presentation and examples
Session 2	10:00-10:45	Supporting Programs BAT implementation based on Cleaner Production (CP) concept	<ul style="list-style-type: none"> Lebanese level of awareness regarding CP and BAT Case studies on BAT implementation or adaptation to Mediterranean enterprises 	Mr. Hicham Abou Jaoude Mr. Konrad Mair
				Presentation Case studies Case studies
	10:45-11:00	Coffee break		





Session 3	11:00-12:15	IPPC Transposition in Lebanon	<ul style="list-style-type: none"> – Strengths, weaknesses – Processes of transposition (permit requirement, environmental minimum standards requirement, BAT, publication of emission levels) – Challenges to convergence 	Mr. Konrad Mair	Working groups + Interactive discussion
	12:15-13:15	Lunch break			
Session 4	13:15-16:30	Visit of plant BAT assessment of installation	<ul style="list-style-type: none"> – Visit to the relevant parts of the site, details of process – Assessment of the visit for priority issues: BAT, BREFs, Identification of some key measures and potential adaptations of the technologies and management 	Mr. Konrad Mair	Site visit
Session 5	16:30-17:00	Closing	Closing Remarks and Certificates Awards		



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