Horizon 2020
CAPACITY BUILDING/MEDITERRANEAN ENVIRONMENT PROGRAMME

NKUA

Horizon 2020 Capacity Building/Mediterranean Environment Programme

"Adapting the institutional and legal frameworks for industrial permitting and monitoring systems to the Integrated Pollution Prevention and Control (IPPC) principles including developing reliable and harmonized data for pollution prevention related issues"

Ramallah, 2-3 October 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.

UNEP/MAP and its RACs | *ANGed/ SWEEPNet* | *AEA* | *LMoEW* | *HMEECC* | *UNESCO-IHE* | *MIO-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, Syria, Tunisia, Turkey.

Course Description – Adapting the institutional and legal frameworks for industrial permitting and monitoring systems to the Integrated Pollution Prevention and Control (IPPC) principles including developing reliable and harmonized data for pollution prevention related issues.

Introduction to the training course

The training course is organized within the framework of the Horizon 2020 CB/MEP project. It introduces the Integrated Pollution Prevention and Control (IPPC) principles which have shown to be an effective mechanism through which countries can progressively introduce BAT as an element in the authorization process for the most polluting industrial installations in order 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.

Around 30 participants are expected to attend. 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 institutions including Ministries, 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. The present course will aim at informing participants on the advantages and opportunities offered by the adaptation of institutional and legal frameworks for industrial permitting and monitoring systems to Integrated Pollution Prevention and Control (IPPC), with a special focus on:

- The application of an integrated permit system to control and monitor industrial activities,

- The experience with BAT in the permitting process for industrial installations to shift from pollution control to pollution prevention,
- Experiences of Mediterranean countries that are already in the process of implementing IPPC,
- The steps for implementing the IPPC system,
- Case studies on BAT implementation or adaptation to Mediterranean enterprises.

Methodology and Structure

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

- Lectures
- Case studies 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 BREF document;
- The Cleaner Production concept as a tool for implementation of Best Available Techniques.
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A preliminary overview of the course is given below:

- National strategy and projects in the area of pollution prevention and control in oPt.
- Political framework of the IPPC directive
- Legal framework of the IPPC directive
- BREF document: preparation process, contents and structure
- Concept of Best Available Techniques and Emission Limit Values (ELV)
- Implementation of the IPPC directive; From the IPPC directive to the Industrial Emissions Directive (IED)
- European Pollutant Release and Transfer Register (E-PRTR)
- Cleaner Production (CP) concept, implementation practices, advantages, options and case studies.

AGENDA

Day/Session		Topic	Description	Trainer	Method
Day 1: 2nd of Oct					
Session 1	9:00 – 10:00	Official opening	Welcome addresses and opening remarks - Representative of the EQA - About the H2020 CB/MEP - About CP/RAC - Introduction of course programme - Introduction of speakers and participants	**Mr. Ahmed Abu Taher, H2020 Focal Point,** EQA **Prof. M. Scoullos,** Team Leader of H2020 CB/MEP, **Ms. Magali Outters** UNEP/MAP CP/RAC Mohammed Ezzine CP/RAC H2020 thematic expert	
Session 2	10:00-10:30	Pollution prevention and control	- Current situation, institutional and legal frameworks for industrial permitting and monitoring systems, existing data in the field of pollution prevention	**Mr. Murad Al Madani,** legal advisor, EQA	Presentation
	10:30-10:50	Coffee break			
Session 3	10:50-12:20	IPPC directive and IED: legal framework, concept of BAT	-Quick overview of the IPPC directive - 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	Presentation and practical examples, case studies
Session 4	12:20-12:40	Questions/Answers			
	12:40-14:00	Lunch break			
Session 5	14:00-14:15	IPPC directive and IED: legal framework, concept of BAT	Example of implementation: Slovenia	**Mr. Konrad Mair**	
Session 6	14:15-15:15	The Sevilla Process and its results	- BAT information exchange process - Preparation of BREF document - General content of BREF document	**Mr. Konrad Mair**	Presentation and examples
	15:15-15:45	Questions/Answers			
	15:45-16:00	Coffee break			
Day 2: 3rd of Oct					
Session 1	9:00-9:45	Industrial Emissions Directive (IED)	Approach, the main targets, definition of BAT, criteria for determining BAT, main industrial c ategories covered by the IED directive, Emission Limit Values setting up based on BAT	**Mr. Abdelkarim YAKOBI** Water & Energy Projects manager The Office of the EU Representative (West Bank and Gaza Strip, UNRWA)	Presentation, Case Study
Session 2	9:45-10:45	Supporting programs BAT implementation based on Cleaner Production (CP) concept	-Introduction to the concept of CP, benefits, BAT implementation - Olive Mill Pollution Load And Treatment Options In The Middle East With Jordan As A Case	**Ms. Magali Outters Project manager UNEP/MAP CP/RAC** **Mr. Nidal Mahmoud** IEWS Director, Birzeit University	Presentation Case studies

	10:45-11:00	Coffee break			
Session 3	11:00-12:15	IPPC Transposition in oPt	- 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	- Visit of 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 to the technologies and management	Mr. Konrad Mair	Site Visit Ar Rafatti stone and marble company - Ramallah
Session 5	16:30-17:00	Closing	Closing Remarks and Certificates Awards		