

**“DEVELOPING A GREEN ECONOMY IN JORDAN: FOCUS ON RESOURCE AND ENERGY EFFICIENCY”**

**Amman, 28 – 30, April, 2013**

**The Horizon 2020 Initiative**

The “**Horizon 2020 Initiative**” was endorsed during an Environment Ministerial Conference held in Cairo in 2006 and is also a key initiative run under the Union for the Mediterranean (UfM). It 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.**

The H2020 Initiative 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 strengthen national administrations and stakeholders in developing and applying 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* progress.

H2020 has three components with a project currently running under each one: (i) **Investment** component with the Mediterranean Hot Spots Investment Programme – Project Preparation and Implementation Facility (MeHSIP-PPIF); (ii) **Capacity Building** component with H2020 Capacity Building/Mediterranean Environment Programme; and (iii) **Review, Monitoring and Research** component with the ENPI Shared Environmental Information System (ENPI SEIS);

**Horizon 2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP)**

**The framework**

The Horizon 2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) is an EU funded project which runs under the H2020 Initiative and aims at enhancing the capacities to address pollution problems at institutional and society level.

Pollution in the Mediterranean is expected to be substantially reduced through the installation and proper functioning of major infrastructures (e.g. sewage treatment plants), of 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 European Neighbourhood Policy as well as other regional agreements such as the Barcelona Convention, while cooperating, coordinating and synergising with all relevant Mediterranean (EU and other) programmes.

**Objectives**

The main objective of the project is to address the problems of: 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; insufficient capacities and resources at institutional and civil society level. This is achieved through capacity building and awareness raising activities and by promoting integration of environmental issues in other sectors policies.

During the first phase of the project (2009-2012), more than **1900 professionals** from ministries, local authorities, institutions, agencies, NGOs, industries, business organizations, chambers of commerce, universities and research institutes, as well as politicians, journalists, educators, etc. were trained in one or more of the eighty five (85) Horizon 2020 capacity building activities that took place.

**Partners**

*This project is implemented by the National and Kapodistrian University of Athens (NKUA) in consortium with the: 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 (SWEENet), 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**

Algeria, Egypt, Israel, Jordan, Lebanon, [Libya], Morocco, Palestine, Tunisia, [Syria].

## Course Description - Developing a green economy in Jordan: focus on resource and energy efficiency

### Introduction to the course

The activity is organized within the framework of the **Horizon 2020 CB/MEP project**. It is organized by the **Regional Activity Centre for Cleaner Production** of the Mediterranean Action Plan (UNEP/MAP - CP/RAC) with the support of **MIO-ECSDE** (Mediterranean Information Office for Environment, Culture and Sustainable Development) and the Ministry of Environment of Jordan. Its duration is **3 days**; the working language will be **English** (with translation into Arabic). Around **60 participants** will participate.

### Learning objective

The main objective of the activity is to increase the participants understanding of opportunities and challenges related to **Green Economy with a special focus on resource efficiency and sustainable energy production and consumption**.

### Description

**Green Economy** emerged in the context of an inter-connected environmental, economic and social crisis. As defined by UNEP, it aims to “improve human well-being and social equity, while significantly reducing environmental risks and ecological scarcities”. In that context the **European Union roadmap on resource efficiency** is a major milestones to promote a more competitive and sustainable economy by 2020. In **Jordan**, recent estimates place the cost of environmental degradation between 2.5 and 5% of GDP, up to US\$ 1.25 billion per year (World Bank Jordan CEA 2009 & 2010). However according to the [Green Economy Scoping Study](#) (GESS) commissioned by The Ministry of Environment, green investment could generate a minimum of 50,000 jobs, and over JD 1.3 billion in revenues over a period of 10 years. In order to achieve such benefits, this study recommends an integrated and coordinated approach that involves all major stakeholders. Following the recommendation of the report, this first training on green economy will focus on the following sector:

- **Resource efficiency and green economy national strategies at European and International levels**
- **Best practices in Energy efficiency in Industry, household and building**

A second training is planned in the first semester of 2014 to cover other sectors such as: water, tourism, agriculture,...

### Target group

The capacity building activity is targeted to:

- Representatives of local and national authorities,
- Regulatory bodies, particularly related to Planning, energy, industry, environment and economy
- Representatives from the private and public sector,
- Academia and civil society organizations.

The background level of the participants is expected to be of **intermediate or advanced level**.

### Methodology and Structure

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

- Lectures by recognized experts
- Case study presentations and moderated discussions
- Working groups and team exercises

### Learning outcomes

After the activity the participants will be able to:

- Have a better understanding of the green economy concept, principles and stakes;
- Be informed and learned from successful case studies at national and international level;
- Identify challenges and opportunities to promote resource and energy efficiency policies.

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**Agenda**

**DAY 1: Sunday 28/04/13 - Green Economy and resource efficiency**

	Topic	Description	Trainer/facilitator	Method	Time
Session 1	<b>Welcoming</b>	<ul style="list-style-type: none"> <li>- Opening Comments</li> <li>- Presentation of H2020</li> <li>- Introduction to the course programme</li> </ul>	<ul style="list-style-type: none"> <li>- HE Ahmad Qatarneh, General Secretary, Ministry of Environment</li> <li>- Omar Abu Eid, EU Delegation</li> <li>- Dr. Emad Adly, Deputy Team Leader H2020 CB/MEP</li> <li>- Jérémie Fosse, H2020 CB/MEP expert for CP/RAC</li> </ul>	Presentation	9.00-10.30
<b>Coffee break</b>					
Session 2	<b>Resource efficiency</b>	Presentation of EU roadmap on Resource Efficiency and leading national strategies	Pawel Kazmierczyk, European Environment Agency	Presentation and discussion	11.00-11.45
Session 3	<b>Green Economy</b>	Presentation of green economy roadmaps	Fareed Bushehri, UNEP	Presentation and discussion	11.45-12.30
<b>Lunch break</b>					
Session 4	<b>Green Growth</b>	Presentation of Report "Towards Green Growth in the Mediterranean Countries"	Hadrien Michel, Centre for Mediterranean Integration (CMI), World Bank Group	Presentation and discussion	13.30-14.15
Session 5	<b>Green Economy in Jordan</b>	Presentation of scoping study on Green Economy in Jordan	Eng. Samir Kilani – Director of Project Management / Ministry of Environment	Presentation and discussion	14.15-15.00
<b>Coffee break</b>					
Session 6	<b>Green Economy in Jordan</b>	Towards a Green Economy strategy for Jordan	<ul style="list-style-type: none"> <li>- Hadrien Michel, CMI</li> <li>- Samir Kilani, MOENV</li> <li>- Fareed Bushehri, UNEP</li> <li>- Pawel Kazmierczyk, EEA</li> </ul>	Roundtable	15.30.-16.30
Session 7	<b>Wrap up of day 1</b>	Synthesis of main outcomes	Jérémie Fosse, CP/RAC	Wrap up	16.30-17.00

**Day 2 : Monday 29th April 2013 - Energy Efficiency**

	Topic	Description	Trainer/facilitator	Method	Time
Session 1	<b>Opening Day 2</b>	Recall of day one + introduction to day 2	<ul style="list-style-type: none"> <li>- Jérémie Fosse</li> <li>- Ruba A. Al-Zu'bi</li> </ul>		9.00-9.15
Session 2	<b>National Energy Efficiency Strategy</b>	Energy Efficiency policy and legislation in Jordan	Eng. Mohammed al Dabbas – Director of Energy Efficiency, Ministry of Energy and Mineral Resources	Presentation and discussion	9.15-9.45
Session 3	<b>Energy Efficiency in Buildings</b>	<ul style="list-style-type: none"> <li>- Energy Efficiency measures and Renewable Energy systems in southern and eastern Mediterranean countries</li> <li>- Greening Existing Buildings. Case Study in Energy and</li> </ul>	<ul style="list-style-type: none"> <li>-Florentine Visser, giz expert, MED-ENEC project</li> <li>-Eng. Jalal khasawneh, Jordan Green Building Council</li> </ul>	Presentations and panel discussion	9.45-11.00

		Water Efficiency: "Al-Ahliyya Amman University" - Achieving Jordan's Energy Efficiency 2020 Goals in the Building Industry	-Eng. Samer a zawaydeh, independent engineer		
<b>Coffee break</b>					
Session 4	<b>Energy Efficiency in Hospitality</b>	Case study " Movenpick Aqaba" Case Study "Tolido Hotel"	-Eng Haitham Adas / NERC - Ms Ekram al Nasser/Toledo Hotel	Case studies	11.30–12.30
<b>Lunch break</b>					
Session 5	<b>Energy Efficiency in Households</b>	- Case study "Technical Assessment of the Jordanian Home Appliance Market"	Eng. Mohammed Maayta / NERC	Case studies	13.30-14.15
Session 6	<b>Energy Efficiency in Industry</b>	-Case study "Nuqul company" -Case study " Nuqul company" -Case study " Nutridar"	- eng. Firas Obiado/Satchnet - eng. Samir Masood - eng. Anas Abdalla / GreenTech Company	Case studies	14.15-15.30
<b>Coffee break</b>					
Session 7	<b>Greening Mediterranean industry</b>	Presentation of BAT 4 MED initiative and Switch Med project	Roger Garcia, CP/RAC-UNEP	Presentation and discussion	16.00–16.30
Session 8	<b>Wrap up of day 2</b>	Synthesis of main outcomes	Jérémie Fosse, CP/RAC	Wrap up	16.30-17.00

## Day 3 : Tuesday 30th April 2013 – Study tour

	Topic	Description	Trainer/facilitator	Method	Time
Session 1	<b>Green Building</b>	A visit to OMENITRADE (new head quarters located in Amman )	Eng. Jalal Khasawneh and the owner	Site visit (obligatory)	9.00-11:00
<b>Coffee break</b>					
Session 2	<b>Wrap up of day 3</b>	Reflections on the site visit	Jérémie Fosse, CP/RAC	Discussion	11 .30–12.00
Session 3	<b>Closing</b>	Course Evaluation, Closing Remarks and Certificates Awards	Dr. Emad Adly, H2020 Deputy Team Leader	Closing	12 .00–12.30
<b>Lunch</b>					

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