



Horizon 2020 Capacity Building/Mediterranean Environment Programme

Regional activity

“Revisiting University Curricula: are the H2020 priority areas appropriately reflected?”

Athens, Greece, 12-13 December 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, Syria, Tunisia, Turkey.

Course Description – “Revisiting University Curricula: are the H2020 priority areas appropriately reflected?”

Introduction to the training course

This two-day workshop is organised in the framework of the H2020 CB/MEP program and is hosted by the National and Kapodistrian University of Athens (NKUA), with the support of the Network of Mediterranean Universities for Sustainable Development (SD) focusing on Education for Sustainable Development and the Greek Government. It will take place in Athens, Greece on 12-13 December 2011.

The working languages are English and French.

Target group

The activity is specifically designed for:

- Ministries of Education, Ministries of Environment or other,
- Universities working on H2020 priority areas

This capacity building activity is directed to participants from the following countries: Albania, Algeria, Bosnia-Herzegovina, Croatia, Cyprus, Jordan, Israel, Lebanon, Montenegro, Morocco, occupied Palestinian territory, Syria, Tunisia, and Turkey. There will also be participants from various EC countries.

Learning objectives

The main objective of the workshop is to inform the Mediterranean Universities about Horizon 2020, enhance their involvement and identify the needed modalities and synergies to this end

Methodology and Structure

The two-day course will be delivered combining presentations, case studies and exercises. Each day brainstorming on the principles, lessons learned, possible next steps presented and discussed during the day may take place.



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Learning outcomes of the training course

- Informed Academic community of the region on the H2020 initiative
- Solid understanding of how H2020 themes are reflected in the curricula, research and management of the Universities of the region
- Explored networking options especially amongst Universities already engaged with the H2020 related themes.

A preliminary overview of the course is given below:

The main pillars or issues covered during the sessions of the training are:

- Horizon 2020 and Academia: making the link apparent
- EU policy and instruments at the service of H2020 implementation and sustainable development in the Mediterranean (Research and Innovation opportunities, UNECE Strategy for Education for Sustainable Development, etc.)
- Good practices
- University “charters” or other frameworks as a basis for curricula reform
- Optimising University collaboration schemes in the region
- The contribution of Mediterranean Universities to the up-coming Mediterranean Strategy on Education for Sustainable Development (to be adopted during the Cypriot EU Presidency)



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| Course schedule/ curriculum | | | |
|-----------------------------|---|------------------------|--|
| Day 1, 12 /12 | Description | Duration | Method/Speaker or Trainer |
| Session 1 | <ul style="list-style-type: none"> Welcome addresses and opening remarks Capacity Building Programme of H2020 Introduction to the course programme Introduction of trainers and participants Expectations from the workshop | 9.00-10.00 | Prof. M. Scoullos, <i>H2020 CB/MEP Team leader</i> <i>The Rector of the University of Athens</i> Mrs. Maria Peppas, <i>Ministry of Environment</i> <i>Special Secretary of Higher Education, Ministry of Education</i> <i>General Secretariat for Youth</i> |
| Session 2 | <ul style="list-style-type: none"> Horizon 2020 and Academia: making the link apparent EU policy and instruments in support of H2020 and of ESD in the Mediterranean | 10.00-10.45 | Presentation, Prof. M. Scoullos, <i>H2020 CB/MEP Team Leader</i> |
| | | Coffee (15 min) | |
| Session 3 | Successful integration of the three pillars of H2020 in the curricula and management of Mediterranean Universities Case studies presented by national experts (Spain, Italy, Turkey, Morocco, Greece, etc.) | 11.00-13.00 | (5 min present + 10 min questions per case) <u>Prof. G.N. Angelopoulos</u> <i>U of Patras, Greece</i> <i>"U of Patras Network for Waste Valorisation and Sustainable Management of Recourses (WasteValor) Case Paradigms"</i> <u>Prof. A. Grau</u> , <i>Technical U of Catalonia, Spain</i> <u>Prof. H. Ben Boubaker</u> , <i>U of Manouba, Tunisia</i> <i>"The engagement of the Tunisian university for the ESD: An example of the Research Master "Environment, Development and Risks"</i> <u>Prof. V. Makrakis</u> , <i>U of Crete, Greece</i> <i>"Turning the University of Crete into a Sustainable University: Research Results"</i> <u>Prof. T. Neyiski</u> , <i>Akdeniz University, Turkey</i> <u>Dr. A. Abdel-Azeem</u> , <i>University of Suez Canal, Egypt</i> <i>"Conservation and Sustainability Egyptian Fungi- A Case Study"</i> |
| | | Lunch (1 hour) | |
| Session 4 | <ul style="list-style-type: none"> Capacity building for sustainable development of water resources - What are the key competencies for students? Capacity building of public administration on ESD: the case of Croatia Mediterranean Office for Youth: Students and Young professionals Mobility Programme | 14.00-16.00 | Presentation & Interactive exercise, Prof. S. Uhlenbrook, <i>Director of Academic Affairs, UNESCO-IHE, Delft</i> Presentation, M. Prelec, <i>Ministry of Environment, Croatia</i> Presentation, M. Morissey, <i>MOY General Secretariat</i> |
| | | Coffee (15 min) | |
| Session 5 | <ul style="list-style-type: none"> [Session 3 continued] | 16.30 – 18.00 | (5 min present + 10 min questions per case) <u>Prof. R. Mrabet-prof. M. Ftouhi</u> , <i>U of Rabat, Morocco</i> <u>Dr. S. Karavoltzos</u> , <i>U of Athens</i> , <i>"Toxic Waste Management in the University of Athens"</i> <u>Prof. N. Koprivanac</u> , <i>University of Zagreb</i> <i>«SD implementation in curricula at the University of Zagreb»</i> <u>As. Prof. K. Swaileh</u> , <i>Birzeit University</i> <i>"Wastewater management in the Campus of Birzeit University"</i> <u>Prof. A. Ayadi</u> , <i>University of Sfax, Tunisia</i> <i>"Etudes, Recherche et Valorisation dans le domaine environnemental du local vers l'International"</i> |





| Day 2, 13/12 | Description | Duration | Method/Speaker or Trainer |
|--------------|--|------------------------|--|
| Session 1 | <ul style="list-style-type: none"> Synergies of Universities with UNESCO MAB BRs as laboratories for ESD | 9.00-9.30 | Presentation, P. Pyppaert, <i>UNESCO BRESCE</i> |
| Session 2 | <ul style="list-style-type: none"> Economic aspects for a Sustainable University (curricula, green procurement, resource efficiency) | 9.30-11.00 | Panel discussion Prof. M. Scourtos, <i>Aegean University</i> Prof. Eft. Sartzetakis, <i>University of Macedonia</i> Ch. Hajipakkos, <i>Ministry of Agriculture, Natural Resources and Environment, Cyprus</i> |
| | | Coffee (15 min) | |
| Session 3 | The contribution of Mediterranean Universities to the up-coming Mediterranean Strategy on Education for Sustainable Development (to be adopted during the Cypriot EU Presidency) | 11.15-13.00 | Short presentation and Group work, Prof. M. Scoullou, <i>UoA/H2020 CB/MEP</i> and A. Zachariou, <i>Pedagogical Institute, Ministry for Education, Cyprus</i> |
| Session 4 | <ul style="list-style-type: none"> Wrap up and closing remarks Certificates Award | 13.00 – 14.00 | |
| | | Lunch | |
| | Afternoon session dedicated to the <i>Sustainability Charter</i> and other initiatives of Higher Education in the times of crisis | 17:00-20.00 | <i>Agenda for this event is separate</i> |



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