



**Horizon 2020 Capacity Building/Mediterranean Environment Programme**

***“Transboundary Pollution - from Policy to Cooperation”***

**Sub-regional training: 21-22 October 2011, Zagreb, Croatia**

**Introduction**

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 ENPI Shared Environmental Information System.

**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.

**The GEF DIKTAS project**

The Global Environment Facility (GEF) is a global partnership among 178 countries, international institutions, non-governmental organizations (NGOs), and the private sector to address global environmental issues while supporting national sustainable development initiatives. It provides grants for projects among others in the international waters focal area targeting transboundary water systems.

The DIKTAS Project (2010 – 2014) is a GEF supported regional project, implemented by UNDP and executed by UNESCO in cooperation with the partner countries i.e. Albania, Bosnia-Herzegovina, Croatia and Montenegro, and GWP-Med. The DIKTAS Project addresses the issue of sustainable management of the transboundary karst groundwater resources contained in the Dinaric range and the ecosystems that these resources support.

**Course Description - “Transboundary Pollution - from Policy to Cooperation”**

**Introduction to the training course**

This sub-regional training course is organized within the framework of the ENPI Horizon 2020 CB/MEP project. It is organized by the UNESCO-IHE Institute for Water Education and ACWUA. Its duration is 2 days and the language of the training course will be English. Up to 30 participants are expected to attend from Albania, Bosnia Herzegovina, Croatia, Montenegro and eventually Turkey.

**Target group**

The capacity building activity is of an intermediate/advanced level and is targeted to:

- Mid-career water managers and decision-makers from water authorities, ministries, industries, NGOs and other competent bodies
- University staff in fields related to water management and policy making

For this training, H2020 CB/MEP has partnered with the GEF DIKTAS project, whose activities are focused in Albania, Bosnia-Herzegovina, Croatia and Montenegro and aim to improve the management of the highly vulnerable to pollution shared karst groundwater resources.



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### Learning objective

Transboundary water management, dealing with water pollution items was first discussed in the 1950s when waste water from large cities and industrial complexes made an important impact on water quality of major rivers in the world. From that period on a very slow process on pollution reduction, international negotiations and cooperation on transboundary water pollution control started. First measures on water quality control were taken within individual states.

The main objective of the course is to familiarize the participants with the concepts of water pollution control, both at national and at transboundary river basin scale. The course will focus on water pollution and its implications at transboundary level, policy making, water pollution reduction policies, actors in and drivers for transboundary cooperation and the role of river basin organizations.

### Methodology and Structure

The general structure of the course will be:

- Lectures followed by plenary discussions
- Learning by doing exercises
- Case study exercises
- Participant presentations

### Resources for participants

Resources that are intended to be provided to participants are:

- PowerPoint presentations
- Reference materials
- Assignments

### Learning outcomes of the training course

After the workshop the participants will be able to:

- Understand what transboundary pollution is about: types of pollutants and pollution, possible sources - using examples that are relevant to Southeast Europe - how these are transferred through water bodies (rivers, lakes, groundwater - especially karst);
- Understand the existing policy and legal frameworks for cooperation and how these assist towards achieving transboundary cooperation or prevent activities with adverse effects at transboundary level (the WFD, the UNECE Water Convention, Espoo Convention etc.);
- Joint fact finding as a means to reach cooperation and elaboration of strategic action plans to design commonly agreed measures to address the issues that constitute the drivers for water pollution;
- Describe the different aspects of the policy making processes that can be used in water pollution control;
- Elaborate licensing, compliance and enforcement strategies on water pollution control;
- Understand what the technical aspects are that enable cooperation over transboundary pollution prevention (data bases, automatic monitoring stations, etc.)
- Explain how stakeholder participation plays a role in transboundary water management;
- Evaluate drivers and actors in transboundary river basin management especially within river basin organizations/cooperation bodies.

The course will allow sufficient time for clarifications/questions/discussions of emerging topics.



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*A preliminary overview of the course is given below:*

<b>Course schedule/ curriculum</b>			
<b>21.10.2011</b>	<b>Description</b>	<b>Duration</b>	<b>Method/Speaker or Trainer</b>
Session 1	<ul style="list-style-type: none"> <li>Welcome - opening words</li> <li>Introduction of speakers and participants</li> <li>Overview of H2020 CB/MEP</li> <li>Expectations of trainees</li> </ul>	9.00-9.45	H2020 CB/MEP Team member, Jan Leentvaar, PhD, MSc, Prof. of Environmental Policy Making, UNESCO-IHE- Institute for Water Education and Ministry of Infrastructure and Environment, the Netherlands H2020 CB/MEP Thematic Expert Koussai Quteishat, PhD, ACWUA,
Session 2	<ul style="list-style-type: none"> <li>Transboundary Pollution – sources and mediums of transfer</li> <li>Policy Making</li> <li>Discussion</li> </ul>	9.45-11.15	Presentation, Koussai Quteishat Presentation, Jan Leentvaar
		<b>Coffee (15 min.)</b>	
Session 3	<ul style="list-style-type: none"> <li>Policy Making and Water Pollution Control</li> <li>Policy Analysis methodology</li> <li>Exercise</li> <li>Discussion</li> </ul>	11.30-13.00	Presentations, Jan Leentvaar Participants
		<b>Lunch (1 hour)</b>	
Session 4	<ul style="list-style-type: none"> <li>Significance of the EU Water Framework Directive</li> </ul>	14.00-15.30	Presentation, Jan Leentvaar
		<b>Coffee (15 min.)</b>	
Session 5	<ul style="list-style-type: none"> <li>Presentations by participants</li> </ul>	15.45-16.30	Participants
Session 6	<ul style="list-style-type: none"> <li>Introduction assignment</li> </ul>	16.30-17.00	Presentation, Jan Leentvaar

<b>22.10.2011</b>	<b>Description</b>	<b>Duration</b>	<b>Method/Speaker or Trainer</b>
Session 1	<ul style="list-style-type: none"> <li>Transboundary Water Management</li> </ul>	9.00-10.30	Presentation, Jan Leentvaar
		<b>Coffee (15 min.)</b>	
Session 2	<ul style="list-style-type: none"> <li>Technical aspects enabling cooperation over transboundary pollution prevention (data bases, monitoring stations, etc.)</li> <li>Exercise</li> </ul>	10.45-12.30	Presentation, Jan Leentvaar
		<b>Lunch (1 hour)</b>	
Session3	<ul style="list-style-type: none"> <li>Impacts of International and National Actors on River Basin Management</li> </ul>	13.30-15.15	Presentation, Jan Leentvaar
		<b>Coffee (15 min.)</b>	
Session 5	<ul style="list-style-type: none"> <li>Presentations by participants</li> </ul>	15.30-16.30	Participants
	<ul style="list-style-type: none"> <li>Closing Remarks</li> <li>Certificates Award</li> </ul>	16.30-17.30	Jan Leentvaar, Koussai Quteishat