



Horizon 2020 Capacity Building/Mediterranean Environment Programme
“Best Practices and Cleaner Technologies for Agriculture and Food Sectors”

Albania, June 30th-July 1st 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 (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

The Partner countries are: Albania, Algeria, Bosnia- Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, Montenegro, Morocco, Occupied Palestinian Territory, Syria, Tunisia, Turkey.

Course Description – Best Practices and Cleaner Technologies for the Agriculture and Food Sectors

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. It introduces Best Practices and Cleaner Technologies for the Agriculture and Food Sectors, with a focus on olive oil production and poultry farming, considered as most relevant sectors in terms of environmental impacts in Albania. 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 Albanian.

Participants in this seminar (around 40) are Albanian. 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.

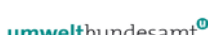
Target group

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

- Professionals in the agricultural sector and particularly those involved in olive oil production or poultry farming,
- Representatives of Ministries of Environment, Energy and Agriculture;
- 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 best environmental practices and cleaner technologies with regard to agri-food production in Albania. In particular, it will focus on how to minimize environmental impacts in the olive oil and poultry farming sectors.





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 environmental impacts of agro-food production
- The Cleaner Production concept as a necessary approach for reducing environmental impacts in agro-food production
- The need to go for ‘green’ technologies
- Organic agriculture principles
- How to distinguish between the different Olive extraction technologies i.e. ‘2 phases’ and ‘3 phases’ and what these entail with regard to water and energy consumption, management of by-products, etc.
- The best management practices to reduce the environmental impacts of poultry farming.

A preliminary overview of the course is given below:

- Albanian context with regard to the Agri-Food Sector;
- Principles of Cleaner Production, case studies of application in the agri-food sector in the Mediterranean countries;
- Environmental impacts throughout the production cycle of olive oil;
- The Best Available Techniques and practices for olive oil production;
- The technical, economic and environmental aspects of 2 and 3 phase technologies for olive oil production;
- Introduction to organic farming, opportunities and challenges, the case of organic olive trees and the “Biomed project”
- Sustainable production practices in poultry farming;
- Organic poultry production



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AGENDA

Day/Session	Topic	Description	Trainer	Method	
Day 1: 30 June					
Session 1	9:00 – 10:00	Official opening	Welcome addresses and opening remarks - Ministry of Environment, Agriculture - About the H2020 CB/MEP - About the course	Dr. Emad Adly , Deputy Team Leader of H2020 CB/MEP, CP/RAC Representative, etc.	
Session 2	10:00-10:30	Cleaner Production for the Agri-Food Sector	-Green competitiveness for Mediterranean SMEs - Stockholm Convention and POPs Management	Ms. Magali Outters UNEP/MAP CP/RAC	Presentation
Session 3	10:30-11:00	Supporting Programs	The National Cleaner Production Programme (NCP)	Ms Marieta Mima Albanian Environmental Center for Administration and Technology Program (ECAT-Tirana)	Presentation
	11:00-11:15	Coffee break			
Session 4	11:15-11:45	Olive oil production in Albania	Albanese Experience in environmental management for the Olive Oil sector	Prof.Dr.Donika PRIFTI University of Natural Sciences - Tirana	Presentation
	11:45-13:15	Best Available Techniques for olive oil production	- Environmental impacts throughout the production cycle of olive oil - Comparison of best technologies of extraction – 2 phases and 3 phases technologies- - Technical Economic Comparison of different technologies - Recommendations for technology best choice	M. Joan Tacias Director of “Agritem SL” (consulting and technical assistance for the olive oil sector)» Spain	Presentation
Session 5	13:15-13:30	Questions/Answers			
	13:30-14:30	Lunch break			
Session 6	14:30-15:30	Organic Agriculture	- An introduction to organic farming principles, current situation, relevance of the sector and benefits to society, innovative technologies, recycling processes and waste use	Mr. Victor Gonzalez Director Sociedad Española de Agricultura Ecológica (SEAE)	Presentation
	15:30-15:45	Coffee break			
Session 7	15:45-16.45	Organic olive cultivation	- Organic olive cultivation: Current situation and main innovative technologies, Biolmed Project in Greece, Italy, Malta and Spain	Mr. Victor Gonzalez	Case Study exercise



Day 2: 1st of July

Session 1	9:30-10:45	The context of reducing environmental impact of poultry production	<ul style="list-style-type: none"> - Increase of meat production and decrease of recycling efficiency - Diversity of poultry production systems - Environmental impact of contrasted poultry production system - Other requirements of poultry production - The challenges of BMP 	M. Paul Robin INRA Rennes (French National Institute for Agricultural Research)	Presentation
Session 3	10:45-11:00	Questions/Answers			
	11:00-11:30	Coffee break			
Session 4	11:30-12:30	Some examples of "best available techniques" in french poultry production	<ul style="list-style-type: none"> - Feed management - Water management - Manure management - Gas emissions - Energy management 	M. Paul Robin INRA Rennes (French National Institute for Agricultural Research)	Case Study
Session 5	12:30-12:45	Questions/Answers			
	12:45-14:00	Lunch break			
Session 6	14:00 - 16:00	Excursion	Fishte Lezhe village	All	Site visit
Session 7	16:00-16:30	Closing	Closing Remarks and Certificates Awards		



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