



# Horizon 2020

TO DE-POLLUTE THE MEDITERRANEAN BY THE YEAR 2020

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

*“Innovative and adaptable technologies for treated waste water re-use,  
including the re-charge of aquifers and desalination”*

*10-13 April 2012, Tunis, Tunisia*

# Horizon 2020 Background

Barcelona Declaration 1995



10th Anniversary of the Barcelona Process in 2005  
Announcement of “**Horizon 2020 Initiative**”



Endorsed in Cairo in 2006  
Under the **Union for the Mediterranean** in 2008

# Horizon 2020 Background

Top sources of Mediterranean pollution:

- municipal waste
- urban waste water
- industrial emissions

responsible for up to **80%** of pollution  
in the Mediterranean Sea



# Horizon 2020 Background

Horizon 2020, which is part of the Euro Mediterranean Partnership (EU) Barcelona Process, known also now as UfM, would build on existing institutions and results, filling gaps where it could bring added value. It operates within the framework of existing and developing policy instruments. This process supports the implementation of the commitments undertaken in the framework of the *Barcelona Convention (UN)*:

- MAP's Strategic Action Programme (SAP) to address pollution from land-based activities (SAP MED)

- the Mediterranean Strategy for Sustainable Development (MSSD), launched by the Mediterranean Commission for Sustainable Development (MCSD) established under the United Nations Environment Programme Mediterranean Action Plan (UNEP/MAP)



# Horizon 2020 Background

## Major other processes and developments:

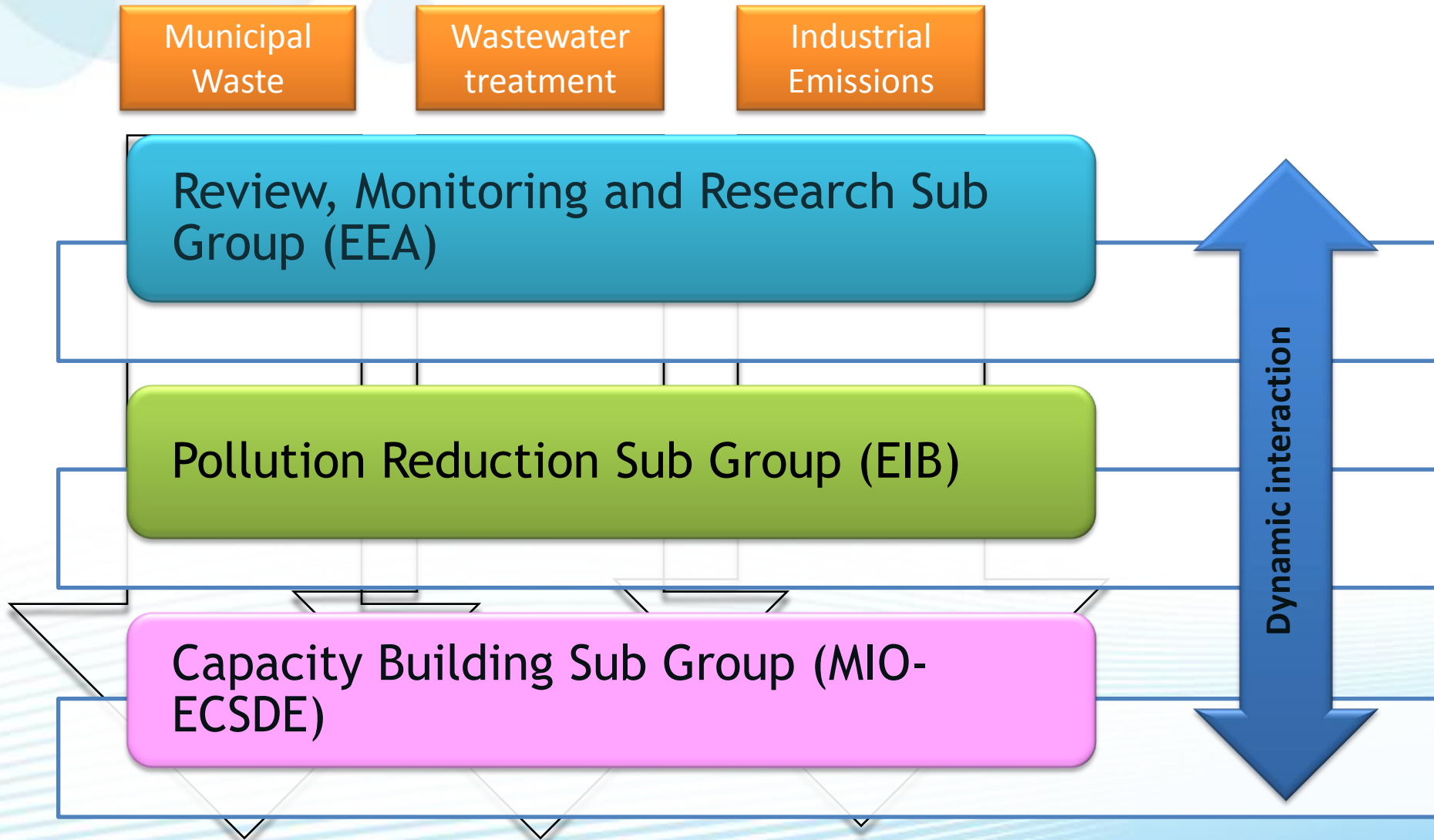
- ✓ Regional ENPI programmes
- ✓ Bilateral instruments of the European Neighbourhood Policy (ENP): ENP Action Plans, ENPI national assistance programmes
- ✓ Marine Strategy Framework Directive (MSFD)
- ✓ Etc.

Various bilateral assistance programmes of other donors

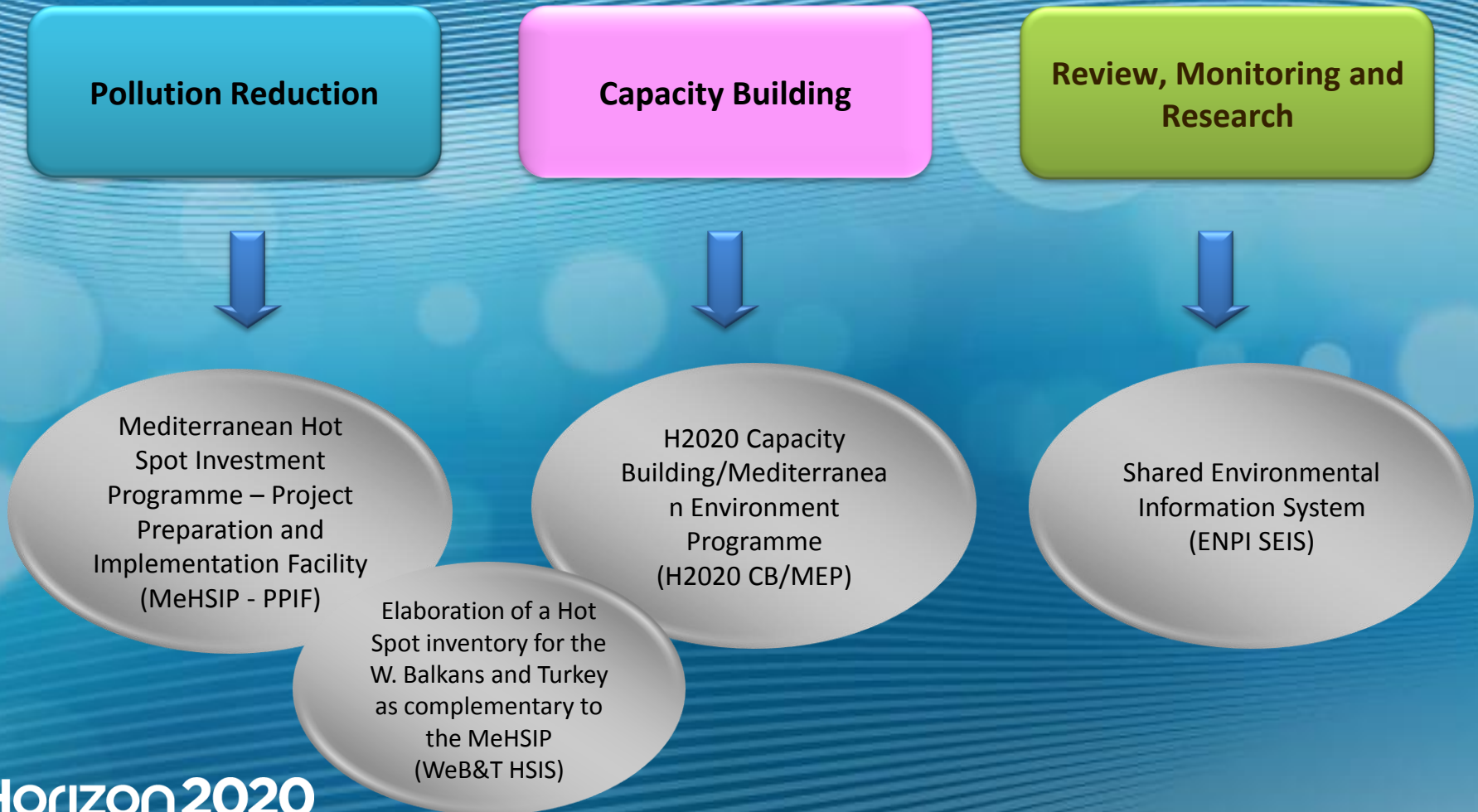
GEF Strategic Partnership, WB “Sustainable Mediterranean” etc.

.....while moving from the EuroMed Partnership to the Union for the Mediterranean

# Horizon 2020 Sub Groups and their chairs



# H2020 Components and corresponding projects



# MeHSIP-PPIF Approach: Challenges, Tools and Outputs

Mediterranean Hot Spots Investment Programme – Project Preparation and Implementation Facility (MeHSIP-PPIF) - at a glance:

- Under Component 1 of Horizon 2020: Investments for Pollution Reduction / chaired by EIB (funded through FEMIP)
- Programme started in March 2009 and is expected to be completed in Spring 2013
- Geographic coverage - Mediterranean partner countries:
  - Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Occupied Palestine Territory, Syria, and Tunisia
- Key Component of MeHSIP-PPIF:
  - Management of Hotspots & Project Pipeline



## Horizon 2020 Pipeline – Investment Opportunities & MeHSIP-PPIF Projects

## Horizon 2020 Pipeline:

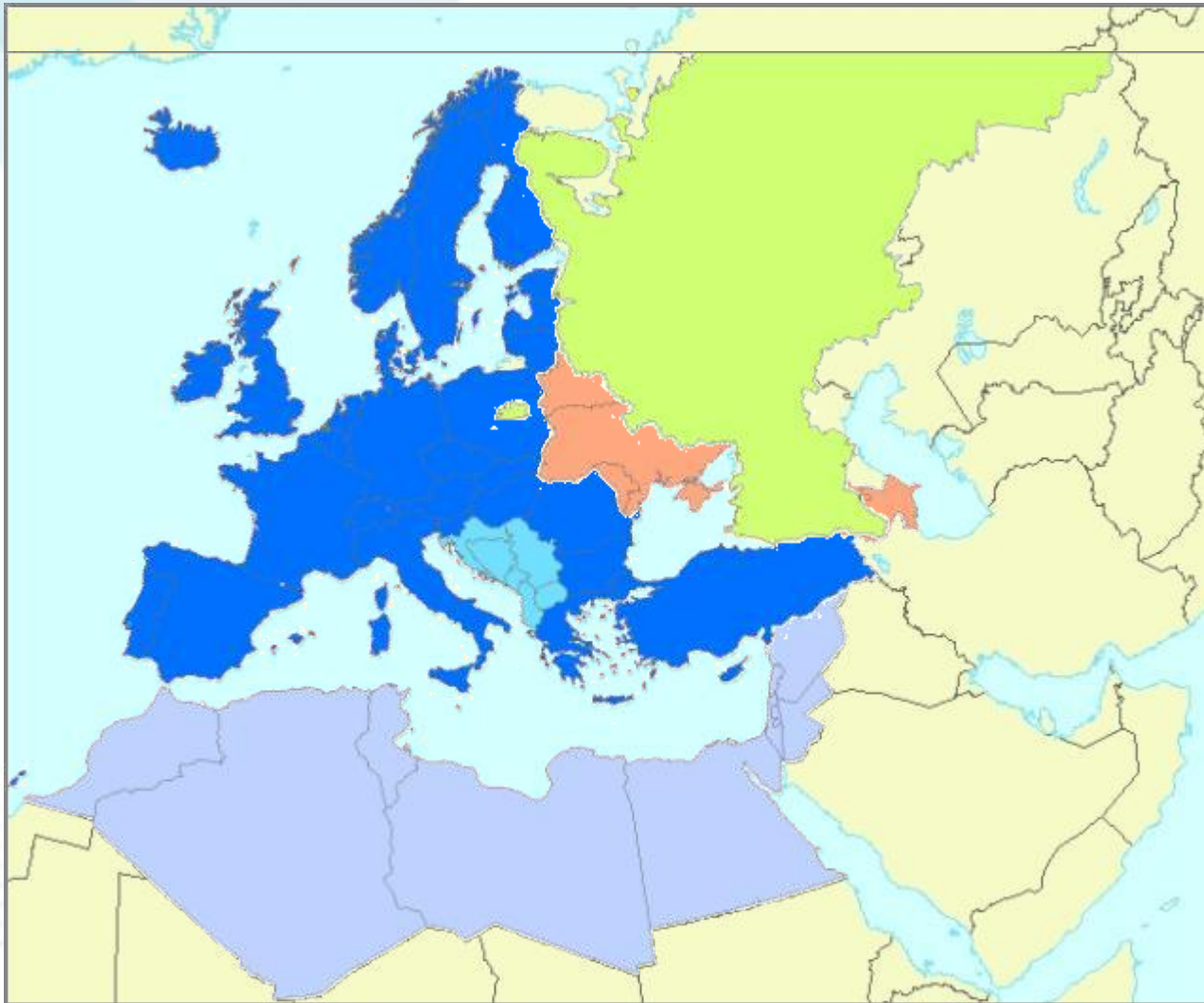
- currently 85 projects (planned, ongoing or completed) mostly originating from NAPs
- currently 37 projects (€3.20bn) yet to secure funding/financing

## MeHSIP-PPIF Projects

| 1                              | 2                           | 3                              | 4                         | 5                    | 6             | 7                     | 8                     | 9                 |
|--------------------------------|-----------------------------|--------------------------------|---------------------------|----------------------|---------------|-----------------------|-----------------------|-------------------|
| Project part of H2020 Pipeline | Project Fact Sheet prepared | Pre-feasibility study prepared | Inception &/or Diagnostic | Valuation Of Options | ESIA Prepared | Loan Agreement signed | Loan Agreement signed | Tendering Process |
|                                |                             |                                | Feasibility Study         |                      |               |                       |                       |                   |

| Country | Project   | Preparation Score Card (1 to 9) |   |   |   |   |   |   |   |   |  |
|---------|---|---------------------------------|---|---|---|---|---|---|---|---|--|
| EGYPT   | Hazardous Waste   | 1                               | 2 | 3 |   |   |   |   |   |   |  |
|         | Wastewater Expansion for Kafr El Sheikh Governorate / Integrated Depollution Programme of | 1                               | 2 | 3 |   |   |   |   |   |   |  |
|         | Water and Wastewater Expansion for and Markaz   | 1                               | 2 | 3 |   |   |   |   |   |   |  |
| ISRAEL  | Netanya Landfill and Reclamation  | 1                               | 2 |   |   |   |   |   |   |   |  |
| JORDAN  | Integrated Solid Waste Management in Ekaider  | 1                               | 2 | 3 |   |   |   |   |   |   |  |
| LEBANON | Extension of Al-Ghadir Wastewater Treatment Plant   | 1                               | 2 | 3 | 4 | 5 |   |   |   |   |  |
| MOROCCO | Integrated Solid Waste Management in Tangier  | 1                               | 2 | 3 | 4 | 5 |   |   |   |   |  |
| TUNISIA | Integrated Depollution Project in Bizerte Lake  | 1                               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |

# TOWARDS A SHARED ENVIRONMENTAL INFORMATION SYSTEM IN THE EUROPEAN NEIGHBOURHOOD



## EEA works with

- EEA member countries
- EEA cooperating countries

## European Neighbourhood Policy

- ENP South
- ENP East
- Strategic Partnership

### • EEA 32

### • Monaco

• Albania, Bosnia & Herzegovina, Croatia, FYR of Macedonia, Kosovo, Montenegro, Serbia

• Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Palestinian Authority, Syria, Tunisia

• Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine

• Russian Federation

- From 2010 to 2014 (with 6 months inception phase)
- Budget 5.7 Millions Euro

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

## Purpose:

To support the implementation of the H2020 Initiative Road Map and Work Plan to de-pollute the Mediterranean by the year 2020, through capacity building and awareness raising activities, and to promote integration of environment issues in other sector policies.

## Partner countries:

Albania, Algeria, Bosnia Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, Montenegro, Morocco, occupied Palestinian territory, Syria, Tunisia, Turkey.

**Budget:** 5.2 million EUR



# The Consortium

- National and Kapodistrian University of Athens (*NKUA*)
- Mediterranean Action Plan of the United Nations Environment Programme and its Regional Activity Centres and Programmes (*UNEP/MAP and its RACs*) - CP/RAC
- 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, Physical Planning and Public Works (*HMoEPPPW*) now Ministry for Environment, Energy and Climate Change
- UNESCO-IHE Institute for Water Education (*UNESCO-IHE*)
- The Mediterranean Information Office for Environment, Culture and Sustainable Development (*MIO-ECSDE*)
- The Arab Network for Environment and Development (*RAED*)
- WWF Mediterranean Programme Office (*WWF MedPO*)
- The Association of Cities and Regions for Recycling and Sustainable Resource Management (*ACR+*)
- Arab Countries Water Utilities Association (*ACWUA*)



# The political justification for activities under H2020 CB/MEP

To support the implementation of H2020 with a special focus on environmental mainstreaming, by addressing the following problems:

- low political priority given to the environment;
- insufficient integration of environment in the different sector policies (agriculture, tourism, transport or energy, water, industry, development etc) and lack of inclusion of the different actors from local to international level;
- Insufficient capacities and resources at institutional and civil society level.

# Horizon 2020

## Elaboration of a Hot Spot inventory for the West Balkans and Turkey as complementary to the MeHSIP

- i. to identify and prioritize the projects addressing most regionally polluting industrial and/or municipal point sources of pollution per country and appearing to offer the best possibility of being bankable based on the hot-spot identification work of UNEP MAP and the country priorities identified in the NAPs and the Preaccession to the EU process
- ii. to assess the need for coordination on current and future technical assistance support.

**The selected projects must furthermore contribute to supporting compliance with the EU *acquis*.**

# Comprehensive Programme of Capacity Building and Environmental Mainstreaming Activities

➤ **Regional trainings:** **fourteen** trainings on the three thematic pillars of H2020; environmental integration tools; cross-cutting and horizontal issues.

➤ **Sub-regional trainings:** **twenty three** trainings on the three thematic pillars of H2020; environmental integration tools; cross-cutting and horizontal issues.

➤ **National trainings of regional relevance:** **About five** trainings per beneficiary country (~70-80 ) over the duration of the project.

➤ **Study visits** (including South-South): ten – fifteen study visits will take place over the three years of the project implementation period.

➤ **Targeted *ad hoc* technical assistance missions in countries:** these are determined on a step by step approach in the implementation.



# Horizon2020



This project is funded by the European Commission through DG EuropeAid.

The H2020 Initiative | Pollution Reduction Investments | Capacity Building | Review, Monitoring & Research | News & Events | Resources

Latest Headlines [Preparation of investment projects »](#)

## The H2020 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 waste water and industrial pollution.



To implement and monitor actions three working groups were created to address:

- Investments for Pollution Reduction (PR);
- Capacity Building (CB) for achieving H2020 objectives;
- Review, Monitoring and Research (RMR).

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RSS News feed

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## Calendar of Events

May 2011

| M  | T  | W  | T  | F  | S  | S  |
|----|----|----|----|----|----|----|
| 25 | 26 | 27 | 28 | 29 | 30 | 1  |
| 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9  | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | 1  | 2  | 3  | 4  | 5  |

[View full calendar](#)

## Upcoming events

**Lebanese study visit on ISWM with focus on integrated systems including WtE & anaerobic digestion**  
23 May 2011 - 25 May 2011

**Influencing Sustainable Consumption and Production patterns in the Mediterranean Region**  
01 Jun 2011 - 03 Jun 2011

**Effective marketing for sludge exploitation**  
05 Jul 2011 - 07 Jul 2011





# Horizon2020

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**THANK YOU!**

