



Horizon 2020 Initiative to de-pollute the Mediterranean by the year 2020

www.h2020.net

in collaboration with UNEP/MAP

Training on mercury management and remediation of contaminated sites

Almadén, 18-19 November 2015

Mediterranean Regional Plan on the reduction of inputs of Mercury

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Regional Activity Centre for Sustainable Consumption and Production(SCP/RAC)



About the SCP/RAC

Mission

“To promote sustainable consumption and production patterns and sound chemicals management in the Mediterranean countries”

The SCP/RAC is a Centre of both:

- [Mediterranean Action Plan](#) (MAP/UNEP)
- [Stockholm Convention](#) on Persistent Organic Pollutants.

Tools

- Meetings**
- Technical tasks:** Projects, strategic plans
- Institutional relationship:** MoUs, common projects, collaborations
- Publications:** technical studies, methodological guidelines
- Communication tools:** www.scprac.org and www.switchmed.eu

Targets

- Governments
- Public Administration
- Civil society
- Enterprises, specially SMEs
- Business Associations
- Universities

From all the Mediterranean countries.

Regional Plan on Hg



- Legally binding plan
- Approved by the 22 parties of the Barcelona Convention in COP 17 (2012)

Activities on Mercury

Diagnosis of Mercury in the Mediterranean countries

1. Main contents

- Legislative institutional national and international framework
- Production, import, export, trade and use
- Emissions of mercury from products and processes
- Technologies and practices to prevent and control mercury emissions
- Emission limit values and quality objectives
- Focuses of main emissions (hot spots and areas of influence)
- Networks and tools for monitoring and control of mercury
- Conclusions and recommendations

Activities on Mercury

Diagnosis of Mercury in the Mediterranean countries

2. Questionnaires

- National Legislative framework on Hg
- Emission inventories
- Contaminated soils inventories
- Stockpiles inventories
- Mercury emissions control
- Mercury substitution initiatives
- Production, import, export, trade and use of Hg
- Hg waste management and waste flows
- Technologies and practices to prevent and control Hg emissions

Activities on Mercury

Report on mercury Emission Limit Values (ELV) and Best Available Techniques (BAT) at the Mediterranean countries

The main objective of this study was to offer **technical information and a comparative analysis on Best Available Techniques (BAT) and Associated Emission Limits (AEL) of mercury in water** for the chemical, battery, metallurgy and waste management sectors.

The ELV recommended was **5 micrograms per liter** for all processes to be achieved in **2019** (50 micrograms in 2015).

Activities on Mercury

- Participation in the drafting of the **Regional Plan on the reduction of inputs of Mercury.**
Approved at the COP17 of the Barcelona Convention (2012)
- **Guidelines on BEPs for the ESM of mercury contaminated soils (2014).**
To be adopted at the COP 19 of the Barcelona Convention (Feb 2016)

Regional Plan on Hg

Existing and new mines or plants	Implementation timetable
Prohibition of new mercury mines or re-opening of old ones	2012
Prohibition of installation of vinyl chloride monomer plants using Hg as catalyst	2012
Prohibition of new chlor-alkali plants with mercury cells	2012
Close down existing chlor-alkali plants with mercury cells	2020
Prohibition of re-entry of Hg from decommissioned plants into the market (national or export)	2012
Achieve ESM of Hg and Hg wastes from decommissioned plants	On plant decommission

Regional Plan on Hg

Mercury containing wastes

Implementation timetable

Take the appropriate measures to **isolate and contain the Hg containing wastes** to avoid contamination of all media

2012



Regional Plan on Hg

Contaminated sites	Implementation timetable
Identify existing sites contaminated with Hg	2013
Undertake ESM measures for these sites (use restrictions or decontaminate) making use of the Guidelines on contaminated sites*	2015
Take the appropriate measures to isolate and contain the Hg containing wastes to avoid contamination of all media	2019

Regional Plan on Hg EMISSION LIMIT VALUES

Ensure that competent authorities monitor releases of Hg into water, air and soil (through National Monitoring Plan including Hg) 2012

Sectors	Target to be achieved through BATs and BEPs	Implementation timetable
Chemical, Pharmaceutical, Batteries, non-Ferrous and waste treatment Industries	50 micrograms / liter (TBD 5 micrograms / liter)	2015 (2019)
Waste gas from incineration plants	50 micrograms / Nm ³	2019

Take the appropriate measures to reduce the inputs of Hg emissions from other sectors and use alternatives as appropriate 2019

**Workshop
on Mercury
Management and
Decontamination in
the framework of
the Mediterranean
Regional Plan
on Mercury**

Regional Activity Centre
for Cleaner Production

**ALMADÉN, SPAIN
12-13 DECEMBER 2012**

- **Workshop on Mercury management and Decontamination in the framework of the Mediterranean RP on Mercury (Almadén 2012)**

In collaboration with MEDPOL and the Spanish Ministry of Environment.

All information available at www.scprac.org/almaden



Thanks for your attention!

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