MAP Activities for Cleaner Production

Final workshop: Waste and material flows in the Mediterranean
BLUE PLAN, Marseille, 29 March 2012

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RAC/CP
RAC/CP MANDATE:

“To promote mechanisms leading to sustainable patterns of consumption and production and sound chemicals management in the Mediterranean”

MEANS

- To promote the production of goods and services that entails less environmental impact, as well as the introduction of sustainability criteria in the supply chain, company and organization management.
- To encourage changes in consumer behavior towards goods and services with less environmental impact, as well as sustainable ways of life.
- To promote green competitiveness among firms in the Mediterranean Region.
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

- CAPACITY BUILDING ACTIVITIES
- REGIONAL PLANS
- IPPC RELATED ACTIVITIES
- GRECO INITIATIVE
- CLEANER PRODUCTION ACTIVITIES
- ACTIVITIES ON OLIVE OIL PRODUCTION
- GREEN ENTREPRENEURSHIP
- CP PUBLICATIONS
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

CAPACITY BUILDING
H2020 is an initiative of the Union for the Mediterranean funded by the EU for the **identification of projects to reduce the most significant sources of pollution** and to **enable capacity building activities in environmental matters** in fourteen partner countries.

The CP/RAC is playing an active role in the **Capacity Building work group**. These involve organising various national and regional training seminars in 2011 and 2012 in several Mediterranean countries on key themes related to priority areas: **industrial emissions, municipal waste** and **urban sewage**

The themes of the seminars the RAC/CP is leading concern **SCP tools** such as **clean production, sustainable public procurement, ecolabeling, green banking**, etc

The target of the CB activities are mainly government representatives, IGOs, local authorities, private sector, ONGs…
WASTE EXCHANGE IN MOROCCO

The CP / RAC helps to transfer knowledge and tools on the management of by-products in the framework of the implementation of a waste exchange scheme in Morocco.

A training session was addressed to managers of the waste exchange scheme to show first hand the experiences and processes carried out in Catalonia and Spain.

The By-Product Exchange of Catalonia ("Borsa de Subproductes de Catalunya") is a free service aimed to promote recycling, and providing companies with a tool for cutting costs and improving competitiveness by reducing their expenditure on raw materials and on waste management.

For this purpose, the BSC runs a database of companies offering or looking for waste for re-use as raw materials in production processes. These 'For-Sale' and 'Wanted' notices appear as advertisements in the BSC's bulletin and website.
The "Alternatives Identification and Assessment on Hazardous Chemicals" trainings provide participants with basic concepts and tools to facilitate the substitution of hazardous chemicals in products and processes with safer alternatives. 2 Trainings have been held in Barcelona and Cairo led by SUBSPORT with collaboration of CP/RAC.

The goal of the SUBSPORT project (Initiative of the Federal Institute for Occupational Safety and Health, Germany) is to develop an internet portal that constitutes a state-of-the-art resource on safer alternatives to the use of hazardous chemicals. In addition, the project aims to create a network of experts and stakeholders who are active in substitution (http://www.subsport.eu/).

The trainings have been designed for authorities, industry, trade unions, NGOs and other interested parties in substitution of hazardous chemicals in products and processes with safer alternatives.
The mismanagement of medical waste is one of the potential sources of dioxins and furans as set forth in Annex C part II of the Stockholm Convention on Persistent Organic Pollutants.

The CP/RAC in collaboration with an undergoing World Health Organization project in Albania, the trainers Trust Waste Management Limited and the Albanian Ministry of Health organized a training in Durres International Hospital (Albania) to increase the knowledge and awareness of the hospital staff about the consequences of the medical waste mismanagement and to train them to manage this waste in a proper way.

The participants of the different training sessions were health staff (doctors, nurses, etc.) and waste managers.

There is a provision of a pilot project to implement the good management practices in medical waste in the standard procedures in that Hospital.
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

REGIONAL PLANS
With the aim of eliminating pollution from land-based sources, the Parties of the Barcelona Convention have elaborated legally binding plans on different priority pollutants. As technical background documents for the preparation of the Plans, the Center has elaborated the following studies:

**MERCURY**

“Diagnosis of Mercury in the Mediterranean countries” and “Report on mercury Emission Limit Values (ELV) and Best Available Techniques (BAT) at the Mediterranean countries”.

**BOD (ORGANIC LOAD) FROM FOOD SECTOR**

“Guidelines for the application of best available techniques (BATs) and best environmental practices (BEPs) in industrial sources of BOD, nutrients and suspended solids for the Mediterranean region”.

**PERSISTENT ORGANIC POLLUTANTS (POPs)**

“Diagnosis of the news POPs in the Mediterranean countries” and “Report on brominated flame-retardants in the Mediterranean countries”.
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

IPPC RELATED ACTIVITIES
The project (2011-2013) aims to:

- Analyse the potential impact of the introduction of the Integrated Pollution Prevention and Control (IPPC) concept in Egypt, Tunisia and Morocco.

- Contribute to minimise the negative impacts associated with polluting industries from key industrial sectors (textile and dairy).

- Promote and support the implementation of Best Available Techniques (BAT) in the national environmental programmes of countries.
IPPC RELATED ACTIVITIES

BAT4MED

http://www.bat4med.org
IPPC RELATED ACTIVITIES

IMPLEMENTATION OF THE KEY MECHANISMS TO PREVENT INDUSTRIAL POLLUTION

- Workshops held in Lebanon and Palestine, 2011
- The trainees had the opportunity to learn on the advantages and opportunities of an integrated permit system to control and monitor industrial activities and also they learnt how to improve the legal framework, enhancing institutional and administrative capacities of environmental pollution prevention including the procedures for issuing of permits as well as enforcement and inspection
- The participants were professionals from the industrial sector, local authorities, members of Chambers of Commerce and of business associations and entrepreneurs
The MedClean files compile case studies (158) on the use of cleaner production techniques by companies in the Mediterranean countries, demonstrating their viability through assessments that include economic and environmental aspects.

Their publication promotes the exchange of experiences and knowledge while at the same time disseminating practical examples of cleaner production to companies in the region.

New records are added every year on industrial and production sectors

http://www.cprac.org/en/media/medclean
The objective of this activity is to increase the skills of local consultants and thereby strengthen the provision of advisory services in a country.

The course covered topics such as efficient use of resources, cleaner production, the life cycle analysis and methodologies for conducting audits used by UNEP. Also a pharmaceutical industry was visited.

2 courses have been held in Jordan and Lebanon.
The CP/RAC participates in the Knowledge Management System (KMS) for the Arab Region. This platform is a working virtual space developed under the framework collaboration of the UNEP and UNIDO.

The platform objective is to allow different Cleaner Production Centers operating in the southern Mediterranean to access and share relevant information resources, such as documentation, databases, case studies, experts, experiences, etc.

It is also expected that the platform becomes a virtual space where different Centers and other agents and/or institutions involved in promoting sustainable consumption and cleaner production in the Mediterranean can meet, collaborate and work together.
GRECO is a Mediterranean initiative designed to **promote green competitiveness in the region by showing the economic benefits that businesses can gain from an environmental approach.** In short, it advocates the creation of value based on improving the environmental behaviour of businesses.

The GRECO strategy is based on:

- Disseminating information on available cleaner production techniques in Mediterranean businesses by publishing case histories in our MedClean files, conferences, network activities, etc.
- Providing technical assistance for SMEs on the best available techniques for achieving cleaner production in their sector, as well as assessing growth in terms of profitability and environmental benefits in adapting these solutions. This assistance is provided largely through technical workshops.
- Providing access to funding mechanisms for SMEs that decide to adopt cleaner production techniques, through financial institutions and international organisations, and agreements between countries.
V ECOMEDA GREEN FORUM 2011

Organized by CP/RAC, ASCAME and UpM, within the Mediterranean Week of Economic Leaders. The Forum overviewed the advantages for the companies of integrating the environment in their business strategy, from various sectors relevant to the Mediterranean. The other sessions focused on three key environmental and economic challenges for the Mediterranean: urban planning, solid waste and energy. For each of them, the speakers highlighted success stories in the sector and opportunities for the green economy and green investment.
The event focused on the ways for implementing cleaner production on some relevant industrial sectors in the country, which are cement, food and surface treatment.

The seminar was attended by representatives of the Algerian Ministry of Industry, members of the European Union delegation in Algeria and professionals of Algerian businesses and companies.
96% of the world production of olive oil
Publications/Awareness

• “Pollution Prevention in olive oil production”
• Workshops for promotion of alternatives for the minimization and valorization of wastes in olive oil production
• Formation in OOWM for government officials

Regional cooperation

• “Olive Oil Export Development in West Bank and Gaza“
• “Integrated waste management for the olive oil pressing industries in Lebanon, Syria & Jordan”
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

GREEN ENTREPRENEURSHIP
Production-oriented strategies do not address the increasingly significant environmental and social impacts associated with the selection, use and disposal of products by consumers.

Economies can not be sustainable if efforts to make production processes more environmentally-friendly are not accompanied by a society-wide shift to sustainable consumption patterns.
What is a **GREEN ENTREPRENEUR**?

- Integrates environmental, economic & social axis in core business

- Provides innovative solutions to the way goods and services are produced & consumed

- Proposes a business model whose scaling-up contributes to the greening of the economy
3 Phases to follow......

1. State of the Art on Green Entrepreneurship in the Mediterranean Countries

2. Awareness Raising on governments, businesses, universities and financial institutions

3. Moving into action: technical assistance and support to green entrepreneurs
Reports on the state of the art in different Mediterranean countries

Collection of around 80 best case studies:
(http://www.cprac.org/en/media/business-cases-of-green-entrepreneurs)

- organic farming
- eco-tourism
- renewable energy
- waste management
- organic textile

Views from Green Entrepreneurs on the challenges & opportunities in the Mediterranean region
The CP/RAC organized a workshop on Green Entrepreneurship and Eco-Design in American University in Cairo (Egypt). 2011

The purpose of the workshop was to inform on and train Egyptian entrepreneurs in sustainable entrepreneurship, touching some basic points about making green enterprises, including laws, real opportunities, business plan and eco-design methodologies, and ethical financing organizations to achieve a sustainable balance and a social aim of investment.

Some successful stories of green enterprises in the Mediterranean area were also analyzed and discussed among the participants of the workshop.
RAC/CP’s ACTIVITIES RELATED WITH CLEANER PRODUCTION

PUBLICATIONS ON CLEANER PRODUCTION
The CP/RAC has updated its entire collection of **industry studies on pollution prevention** of the most representative industries in the Mediterranean **by including a specific chapter on energy efficiency measures** in each of the studies. The sectors addressed were

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<thead>
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<th>olive oil</th>
<th>offices</th>
<th>dairy</th>
<th>batch chemicals</th>
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<td>textiles</td>
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<td>paper</td>
<td>logistic services</td>
<td>metal machining</td>
<td>meat processing</td>
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PUBLICATIONS ON CLEANER PRODUCTION

GENERAL PUBLICATIONS

State of Cleaner Production in the Countries of the Mediterranean Action Plan

Guidelines for the application of best available techniques (BATs), best environmental practices (BEPs) and cleaner technologies (CTs) in industries of the Mediterranean countries

Sustainable Business Management: Making it Profitable to be Environmentally-Friendly

State and trends in industry and sustainable development in the Mediterranean Region

Plan for the reduction by 2010 of the generation of hazardous wastes from industrial installations for the Mediterranean region

Guidelines for the application of Best environmental practices (BEP) for the rational use of fertilisers and the reduction of nutrient loss from agriculture for the Mediterranean region

Biotech applications in industry

Guidelines for the application of best available techniques (BATs) and best environmental practices (BEPs) in industrial sources of BOD, nutrients and suspended solids for the Mediterranean region
Thank you
for your attention!

Merci beaucoup de votre attention!

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