

# CP/RAC ANNUAL REPORT 2010



Regional Activity Centre  
for Cleaner Production



GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE MEDIOAMBIENTE  
Y MEDIO RURAL Y MARINO



Generalitat de Catalunya  
Departament de Territori  
i Sostenibilitat

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Depósito legal:  
1.ª edición: xxxx 2011

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# I. Presentation

**T**he Regional Activity Centre for Cleaner Production (CPIRAC) was established in 1996 at the request of the Contracting Parties of the Barcelona Convention. Since then, it has been part of the Action Plan for the Mediterranean (MAP), a program under the auspices of the United Nations Environmental Program (UNEP). The Centre's mission is to «develop mechanisms to promote sustainable production and consumption and sound management of chemicals in the Mediterranean.»

*In order to achieve this mission, the CPIRAC seeks: to encourage industry to adopt techniques to prevent pollution at source as a factor in competitiveness and economic improvement, support new entrepreneurial initiatives that create environmental, economic and social value and new green jobs; introduce environmental criteria into organisations' contracting processes (green public procurement); include the concepts of sustainability in universities' and business schools' curricula; and, finally, promote education about responsible consumption in action programmes by civil society organisations.*

*In November 2009, the UNEP/IMAP 2010/2014 Five-Year Strategic Programme of Work was approved in Marrakesh. Its focal points are: sustainable consumption and production, pollution prevention and control, climate change, governance, biodiversity and integrated coastal zone management. This programme of work, which is common to all MAP centres, has been subdivided into biannual programmes. We are currently half way through the biannual programme 2010-2011. Due to the nature of its work, the CPIRAC has mainly been involved in sustainable consumption and production and integrated coastal zone management. That is not to say it has set the rest aside, as it has carried out activities related to all of them.*

*By implementing its mission to promote sustainable consumption and production and rational management of chemicals, the CPIRAC places special emphasis on three specific areas in which the Centre has remarkable experience and great potential: the diffusion of cleaner production and green competitiveness by means of the GRECO Initiative, sustainable consumption and, finally, rational management of chemicals, enhanced by the ratification of the Centre as Regional Centre for the Stockholm Convention on Persistent Organic Pollutants. For the first of these, it is extremely important to mobilise the private sector and business in the Mediterranean, especially small and medium-sized enterprises, to promote the adoption of more sustainable production systems and business models. In the sphere of consumption, a key objective that arises is to identify sustainable consumption patterns, and mechanisms to be transmitted to society in general, by using appropriate systems such as new information and communication systems. In this regard, the Centre has made great efforts to facilitate access to its records and, at the same time, to proactively address civil society through universities and NGOs. Finally, as far as rational management of chemicals is concerned, the Centre is working to save the Mediterranean from hazardous chemicals by working side by side with the private and the public sectors in each of the countries included in the Action Plan for the Mediterranean.*

*It is with this aim in mind that the Centre carried out the activities set out below in 2010.*



## II. Main achievements 2011





## Main achievements 2011

1. The first Mediterranean project to support the transformation of national policies towards sustainable consumption and production, which was developed for Croatia in collaboration with the Coordinating Unit for the Action Plan for the Mediterranean and the UNEP's Division of Technology, Industry and Economics.
2. Preparing, in collaboration with MEDPOL, Regional Plans on Mercury, the food industry and Persistent Organic Pollutants for approval as legally binding measures in the Mediterranean during POP XVII.
3. Updating the GRECO Initiative (green competitiveness) in accordance with the UNEP's new strategic focus on Green Economies, with the aim of: promoting models of small and medium-sized enterprises that create economic, environmental and social value and new opportunities for green employment.
4. Launch of the "Sustainable Events" Initiative in the Mediterranean. The CP/RAC is heading up and coordinating this initiative launched in 2010 in collaboration with the Coordinating Unit and the other Regional Activity Centres. The aim of this initiative is to include the organisation of sustainable events in the MAP's policies.
5. Co-organisation and promotion of the First Joint Consultation of Basel, Rotterdam and Stockholm Conventions with the Basel and Stockholm Convention Regional Centres and FAO and UNEP Regional Offices, which was held by the Waste Agency of Catalonia. This meeting strengthened cooperation nationally and regionally.
6. Consolidation of the CP/RAC's involvement in regional multilateral projects such as Horizon 2020 and BAT4MED in which the main theme is sustainable consumption and production.



## III. Activities

1. Sustainable Consumption and Production
2. Pollution prevention and control
3. Climate Change
4. Governance



## 1. Sustainable Consumption and Production

### 1.1 Pilot assistance to factor sustainable consumption and production in development policies (MAP Activity 5.1.6)

#### Action Plan on Sustainable Consumption and Production (SCP) in Croatia

The CP/RAC, together with the Coordinating Office for the Action Plan for the Mediterranean (MEDU) and the collaboration of the UNEP's Regional Office for Europe, coordinated the drafting of a National Action Plan on Sustainable Consumption and Production for the Croatian government.

The work performed by the CP/RAC in this project included:

- The creation and coordination of the working group of experts commissioned to draw up the National Action Plan on SCP.
- Analysing the state of affairs in the main SCP areas identified by the working group, including programmes for clean production in production processes, products and services, eco-labelling, environmental management systems, corporate social responsibility, sustainable public procurement, ecological agriculture, sustainable tourism and waste prevention.
- Drafting and finalisation of the documents and translating them into Croatian and English.
- Presenting the conclusions of the research and the Action Plan to a steering committee consisting of representatives of various public authorities (Ministries of Tourism, Industry, Agriculture and Education, etc.), the private sector, civil society and other pertinent interested parties.

### 1.2 Assistance to countries to gather available data on Persistent Organic Pollutants (POPs) and other chemicals. Management of chemicals (specially POPs), priority substances and sectors. Awareness raising on new POPs (MAP Activity 5.1.8).

#### Study on new POPs

In May 2009, the Conference of Parties to the Stockholm Convention approved the inclusion of nine new substances in Annexes A, B and C of the Convention, which entered into force on 26 August 2010. As a result of this decision, countries that have ratified the Convention have two years from its entry into force to update their National Implementation Plans to the new situation. The CP/RAC began assessing the current situation in Mediterranean countries regarding these new substances. A questionnaire was drawn up in order to gather data about the production, uses, consumption, importing and exporting of these substances, as well as waste management,



polluted soil, etc. The study also includes analysis of the alternatives to these substances available in the market and the degree of substitution achieved. This questionnaire was distributed to the Mediterranean countries and the data obtained were compiled. An exhaustive search for information through several sources was also carried out. The results of this work were set out in the report on "Diagnosis of the new POPs in the Mediterranean", which was published in 2010. The study was published online on the Centre's website in English and French and a limited number of hard copies were printed too. This document will be used to develop the Regional Plan for new POPs, which will be presented at the Seventeenth Conference of Parties to the Barcelona Convention.

#### **Study on the rational management of mercury**

The CP/RAC attended the first meeting of the "Intergovernmental Negotiating Committee to prepare a global legally binding instrument on Mercury (INC1)", which took place in Stockholm in June 2010. Participating in this meeting was very useful for keeping up to date with the binding regulations on mercury and finding out the state of affairs to prepare a study on mercury in the Mediterranean coordinated by the CP/RAC in collaboration with MED POL (see annex 1 Small-Scale Funding Agreement). The study presents the state of affairs in the Mediterranean region regarding the legal and institutional framework, production, use, emissions, waste, prevention and control measures and identification of possible action. The study will serve as a technical reference document to approve a Regional Plan on Mercury in accordance with the article 15 of the LBS Protocol to protect the coast, the marine environment and health against the adverse effects of mercury, in particular the adverse effects on human health and the environment due to this metal's bioaccumulation and neurotoxic processes. This Plan will be discussed by the MED POL focal points and by experts appointed by the governments in Larnaca (Cyprus) on 24 and 25 February 2011.

#### **Preparing proposals for projects to implement the Stockholm Convention in Mediterranean countries**

The Stockholm Convention Secretariat has launched the SGP (Small Grant Proposal) programme for regional centres. The aim of this programme is to channel bilateral donor funds through activities implemented by the Convention's regional centres. The best two proposals sent by the centres will be selected to receive funding by a jury at the Secretariat. Centres can send as many proposals as they wish and may do so together with other centres. In 2010, the Secretariat held two calls for proposals:

*July 2010.* The CP/RAC sent three project proposals:

- Development of an interactive training tool on the Best Available Techniques
- Regional training seminar on management of hospital waste
- Regional training seminar on the management of used oils

*November 2010.* Basel Convention centres were able to take part on this occasion. The aim of this was to strengthen synergies and implementation of the three conventions - Basel, Rotterdam and Stockholm. The CP/RAC sent two project proposals:

- National training seminar on the process of reviewing and updating the National Implementation Plan
- Seminar to train trainers in the import/export of POPs

#### **Joint organisation and promotion of the "Joint Consultation of Basel, Rotterdam and Stockholm Conventions with the Basel and Stockholm Convention Regional Centres and FAO and UNEP Regional Offices"**

The meeting was held in Barcelona by the Secretariats of the three Conventions in

collaboration with the CP/RAC (see annex 2: MoU between the Stockholm Convention Secretariat and the CP/RAC). The meeting's main aims were as follows:

- To finalize a joint proposal on the specific areas of expertise among the centres of each region in which they wish to provide assistance;
- To update on the progress made by nominated centres in seeking support to comply with the criteria set out in decision SC-2/9 so as to be considered by COP 5;
- To assess the progress made by the centres in providing technical assistance to the Parties of their respective regions vis-à-vis their work plans in order to prepare a report for the consideration by COP 5;
- To share the experience of using the guidance developed for the participation of regional centres in the clearing house mechanism under the convention;
- To follow up on the technical assistance activities undertaken by the centres with technical and financial support provided by the Secretariat, including:
  - Technical and management aspects of the joint undertakings
  - SGP (Small Grant Programme) projects
  - To facilitate interaction among the regional centres, FAO regional and subregional offices and UNEP regional offices in facilitating coordination and collaboration among the centres.



#### **Technical support to the Ministry of the Environment in the area of heavy metals.**

In 2010, the CP/RAC supported the Ministry of the Environment on preparing the basic report for the future national plan for heavy metals and updating the report on surveillance and monitoring of heavy metals in Spain and their geographic referencing.

Both documents provide the ministry with fundamental information to lay the foundations for drafting the future National Heavy Metals Plan and discussion of it in the relevant forums and Working Groups.



**1.3 Production of educational material for consumers and trainers to increase information and awareness of the impacts of products with the objective to promote alternative, sustainable lifestyles (MAP Activity 5.1.9)**

**Consumpediamed**

Consumpediamed is a website for consumers and civil society in general, which provides useful, educational information about specific products and existing ways and alternatives for sustainable consumption in the Mediterranean. The project began in 2009 and was well-established in 2010. The page can currently be viewed in Spanish, Catalan, English and French. We have been working on new products to add to the website.



We have been gathering information on: nappies, sugar and shampoo, which has been revised and will be translated into all of the relevant languages to round off the information offered on the website.

**Green Shots Award**

The Green Shots Award is a competition to gather ideas or short stories about everyday environmentally sustainable actions. Animated videos lasting less than a minute and a half will be produced based on these ideas to encourage the adoption of sustainable lifestyles and attitudes.

The first edition of the Green Shots Award was launched in 2010. In order to make the award widely known and so make the Centre known to civil society, a specific logo and a microsite about the competition was set up. This was promoted using online tools such as e-mail, Facebook, Twitter,

Spotify and taking part in forums, etc. As a result, around 50 ideas proposed in countries all around the world were received. 10 of these 50 ideas were selected to form the basis for creating 10 animated shorts, which materialised in October.



The shorts were presented at the GUNI (Global University Network for Innovation) international conference held in Barcelona in November and published on the Centre's YouTube channel, where it can be viewed and shared.





#### 1.4 Introduction of sustainable consumption and production tools and rational management of chemical substances in university curricula (MAP Activity 5.1.10)

##### Introduction of virtual libraries on the CP/RAC's website

In the first half of 2010, the CP/RAC implemented the use of the Yellow Documents tool on its new web page. Yellow Documents is a virtual library, which allows documents to be viewed online, and also have paragraphs translated by an automatic translator, share them and put them up on web pages and social networks.

##### Taking part in the International Greening Education Event 2010

The CP/RAC is aware of the need to take steps in higher education to offer students, lecturers, the university community, future businesspeople, industrialists and technically skilled workers a more profound vision of sustainable consumption and production, and the rational management of chemical products. It is in this context that CP/RAC has taken part in the International Greening Education Event 2010 (Karlsruhe, Germany, 27 – 29 October), organised by ADAPT / University of Modena & Reggio Emilia and Etech Germany, in collaboration with other German universities. The CP/RAC's participation in this event served to establish a network of contacts concerning sustainable education with whom to share best practice, case studies, models, experiences, lessons learned and innovative methods of sustainable education in different countries.

#### 1.5 Seminars, CP audits and publications to boost the adoption of green competitiveness (GRECO) as a tool for Mediterranean companies to succeed in the global market (MAP Activity 5.1.11)

##### GRECO Forums

One of the CP/RAC's key instruments to promote green competitiveness in Mediterranean countries is the GRECO initiative, which is designed to promote it by demonstrating the economic improvements associated with more efficient use of resources (water, energy) and the prevention of pollution in SMEs' production processes. With that aim in mind, in 2010, the Centre issued reports arising from analysis of a hundred MEDClean files published by the Centre on the following forums:

- Lebanon, GRECO Initiative Congress in which 150 people took part, January 2010 (see annex 3: MoU between the Lebanese Cleaner Production Centre and the CP/RAC).
- Jordan, GRECO Initiative Congress in which 150 people took part, May 2010 (see annex 4: MoU between the Jordan Ministry of Environmental Affairs and the CP/RAC).
- Syria, GRECO Initiative Congress in which 150 people took part, May 2010.

In 2010, we also held meetings with various organisations (ISTAS-CCOO and the Spain - Turkey Civic Forum) to explore possible channels for collaborating on implementing the GRECO project and promoting green employment.





### Training

In 2010, training seminars on Green Competitiveness were held in countries in which the GRECO Initiative had already been presented before. These training seminars were aimed at professionals in the public and private sector in:

- Tunisia in collaboration with Centre International des Technologies de l'Environnement de Tunis (CITET). This training course was held on 25 and 26 May and was attended by 20 people.
- Lebanon, on 23 September 2010. This seminar to train trainers was held at the Industrial Research Institute (IRI).

The aim of these seminars is to strengthen the skills of national experts and representatives of institutional organisations that deal with environmental matters. It essentially involves providing SMEs with technical assistance and providing them with the necessary tools for Cleaner Production so that the best available techniques are used to prevent pollution, based on their situation, and to calculate projects' profitability and assess the environmental benefits achieved.

### Autoaudit

After presenting the GRECO Initiative at the end of 2009, in 2010 the Autoaudit tool was developed. It is an online system for SMEs that allows them to diagnose themselves and find out the alternatives they have to improve their green competitiveness.

Details are provided of techniques to prevent pollution and make the best use of resources by industries. MedClean files are used as examples. Autoaudit is a tool currently available in English. However, we feel there is a need to translate it into at least French. Autoaudit can be accessed through the Centre's web page.

### GRECO Platform

In 2009, the CP/RAC's website included an interactive tool about the GRECO initiative, which includes all of the documents and information related to the project. The website's content was updated in 2010. A new section was added called "countries", to which we will add the countries in which action has been carried out under the initiative, which will allow users to view related information.



### ECOMEDA Green Forum

The CP/RAC jointly organised the Fourth Ecomeda Green Forum together with the Association of Mediterranean Chambers of Commerce and Industry (ASCAME) and Barcelona Chamber of Commerce with the cooperation of Fundació Fòrum Ambiental and the support of the Action Plan for the Mediterranean. The Forum was held within

the framework of the Fourth Mediterranean Week of Economic Leaders held in Barcelona from 22 to 26 November 2010. The week was structured into three main events:

- Seventh North Africa Business Development Forum.
- Second Economic Forum of the Mediterranean City (Meda City Forum 2010)
- Fourth Mediterranean Green Economy Forum (Eco Meda Green Forum 2010).

In all more than a thousand businesspeople, representatives of economic institutions and multilateral organisations, entrepreneurs and public authorities in the Mediterranean region met at the Mediterranean Week of Economic Leaders, once again demonstrating the need for integration and cooperation on Euro-Mediterranean projects.

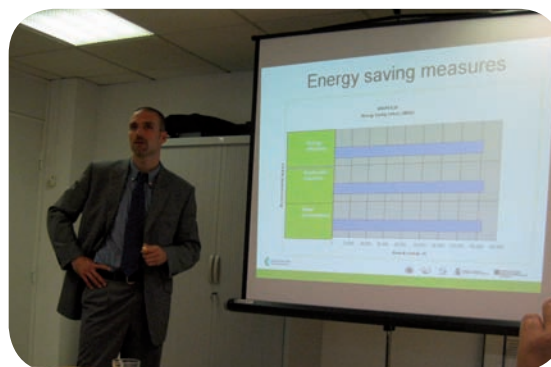
The EcoMeda Green Forum in particular attracted a large number of representatives from the public sector and business. They came from numerous Mediterranean countries and debated the business and economic opportunities arising from the use of alternative energy, the rational use of water and sustainable waste management.



**Antenna Project 2010**

The GRECO Antenna Project materialised in different Mediterranean countries in 2010. The objective of the Antenna Project is to set up a network for knowledge exchange and cooperation on SCP between developing countries in the Mediterranean. The CP/RAC articulates the coordination of this network by contracting local institutions that are experts in SCP with the following objectives: providing systematic information to the CP/RAC about any novelty that arises in their countries in relation to the application of SCP tools, identifying opportunities for new SCP projects and synergies with other SCP support programmes in their countries; constant communication with the antennae of other countries in the network; technical support for activities carried out by the CP/RAC in their countries (studies, seminars, meetings of experts, etc.).

The project is currently underway with the Cleaner Production Centres of Morocco, Tunisia, Egypt,





Lebanon and Jordan. All of these took part in a project launch meeting in Barcelona on 20 and 21 October.

#### **Support for sustainable Mediterranean enterprise, strategic action framework and initial survey of the situation in the countries**

The CP/RAC has been promoting more sustainable production among small and medium-sized enterprises in the Mediterranean for years. In order to achieve more lasting and extensive results, the Centre has also decided to target entrepreneurs who create economic value through business projects that contribute to environmental and social improvement. In this way not only will we manage to change existing companies' habits and guidelines but we will also promote the creation of «sustainable» companies from the very core of the business. Within the framework of this initiative, the Centre has prepared a strategic action framework and carried out an initial survey of the situation regarding social, sustainable enterprise in Mediterranean countries, identifying

the impact of specially relevant real cases. The Centre for Environment and Development for the Arab Region and Europe (CEDARE) and the Technology Development Foundation of Turkey (TTGV) have collaborated with the Centre on carrying out this task.

#### **Sustainable business incubators in Syria**

The CP/RAC has collaborated with the project led by AIDOS (Italian Association for the Development of Women), which promotes the strengthening of the capacity of two business incubators to encourage rural women's participation in the labour market in Syria. In this project the CP/RAC has provided an expert in sustainable development, who will include the sustainable consumption and production aspect in the Sustainability Strategy for both business incubators and therefore in micro and small enterprises.

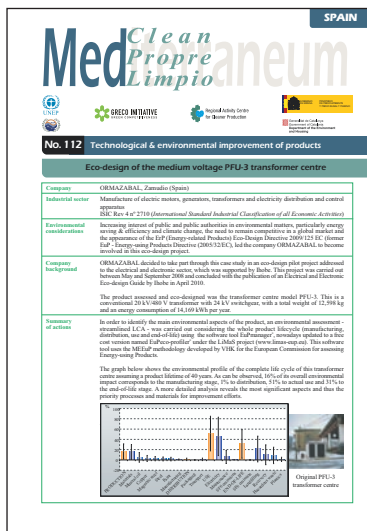
#### **1.6 Projects, training, technology transfer materials on BATs and BEPs per sector (GRECO) according to national action plan priorities and national sustainable consumption and production policies and strategies (MAP Activity 5.1.12)**

##### **MedClean Files**

Information has been gathered for 20 new MedClean files related to the chemical, graphic arts, hotel and cement industries. These files will be published at the beginning of 2011, so the total number of MedCleans published will total 131.

Due to the large number of MedClean files published, we have decided to divide them into classifications by country, industry, the technology applied and the environmental aspect improved by the application. There are two reasons for this: on the one hand, it allows a history to be kept of all of the MedClean files in a straightforward manner, and enables us to work out which industries or





technologies need to be dealt with in future files. Moreover, by classifying the files in this way on the web page and providing a search engine it will be more convenient and practical for users to browse through them.

**Technology database**

The CP/RAC Technology Database was created to provide all users with a tool for viewing pollution prevention technologies applicable to different industries. In 2010, the database was expanded to the following industries: chemical product manufacture, cement manufacture, graphic arts and related service activities, and hotels. Following the work performed there are now 943 files in the database.

By following the same philosophy as applied to the MedClean files, we have revised and checked the technologies database, establishing classification criteria to cover and classify all of the files in the most straightforward manner (which can be carried over to future revisions). The criterion followed was to look for standard classification concepts for each field in order to simplify the options. This classification is shared with the MedClean files, so both databases are compatible with one another.

**BREFS**

The “Best Available Techniques for Energy Efficiency» document was checked and revised in 2010 to ensure it was of the highest quality and had easy reading comprehension.

**Olive oil projects**

In 2010, the CP/RAC has carried out activities related to this industry which is representative of the Mediterranean region.

- 1) Palestine: In 2006, the International Finance Corporation (IFC), part of the World Bank group, began a project to improve the olive oil industry in the Gaza Strip and the West Bank to facilitate access to global markets by small and medium-sized enterprises in the industry. A second stage of this project is intended, among other objectives, to improve this industry's environmental aspects, specifically in relation to better management and recovery of waste and subproducts generated. The CP/RAC has signed an agreement with IFC to carry out general audits of six facilities (mills and bottlers) to detect opportunities for improvement, and also to take part in a pilot project to implement those improvements. Activities will also be carried out to raise awareness of the correct management of olive oil production waste among companies in the industry.
- 2) Tunisia: In October, the CP/RAC and CITET (International Centre of Environmental Technologies in Tunisia) jointly held a seminar on waste management in the industry. The event, which took place within the framework of the Tunisian launch of ecolabeling for the bottled olive oil category, was attended by around 50 people from industry and the public authorities. It contributed to training and transfer of knowledge of Best Environmental Practices (BEPs) and Best Available Techniques (BATs) in the olive oil industry.
- 3) Organic olive oil production: the CP/RAC attended the Symposium on organic olive

oil, which was held in Cordoba in November within the framework of the Biolmed Mediterranean project. The objective of this project is the competitiveness of olive products in Italy, Greece, Malta and Spain. The event was extremely useful in finding out first-hand about experiences of producing this kind of oil and the challenges the industry faces, as well as establishing a network of contacts with which to share experiences and innovative methods in the industry to reduce its environmental impact.

### CAMP Almeria

In 2010, the CP/RAC took part in various meetings to launch the CAMP Almeria project, a Coastal Zone Management Programme led by PAP/RAC, which is intended to take action in the Cabo de Gata area. The project will get underway in 2011 and the CP/RAC will be a key partner, heading up various training and knowledge transfer activities concerning sustainable fishing, agriculture and education on sustainable consumption in schools.

The activities to be carried out will include:

- 1) Adapting materials already produced by the CP/RAC, which may be used to solve problems existing in the CAMP Levante de Almeria area, notably including the following best practice guides:
  - Good Environmental Practices in Hotels.
  - Guidelines for applying the Best Environmental Practices (BEPs) for rational use of fertilisers and reducing the loss of agricultural nutrients in the Mediterranean region.
  - Guidelines for applying Best Available Techniques (BATs) and Best Environmental Practices (BEPs)
  - Sustainable Fishing in the Mediterranean.
  - Guidelines for applying Best Environmental Practices to the marine industry.
- 2) Holding conferences / seminars / educational campaigns about good practices so that the CP/RAC can enter into a dynamic of influencing the targeted economic activities in which we will try to get official authorities and NGOs in the CAMP area involved.

### Guide for the Marine Industry

In 2010, the Guide to Good Environmental Practices in the Marine Industry, Let's Talk About the Sea, was designed and translated into four languages. It is a very practical summary/guide that also includes an explanatory tale to raise readers' and boat users' awareness of the importance of caring for the environment. The guide is available online from the CP/RAC's web page.





### 1.7 Promotion and diffusion of alternative products and processes to reduce the use of POPs and other chemicals (MAP Activity 5.1.13)

#### Preparation of the Regional Plan for New POPs in the Mediterranean.

Pursuant to Decision IG.19/8 of the 16th Meeting of the Contracting Parties of the Barcelona Convention (POP), the CP/RAC has collaborated with MEDPOL on preparing the three Regional Plans for the 9 new POPs recently included in the Stockholm Convention. These Regional Plans will be presented as legally binding measures for the Mediterranean in the next Barcelona Convention POP.

#### Preparation of a new GEF proposal

The CP/RAC is currently preparing a project proposal for presentation at the GEF-5 Meeting, the aim of which is to reduce unintentional POPs and emissions of greenhouse gases and heavy metals by identifying and applying the Best Available Techniques (BATs) and Best Environmental Practices (BEPs) in key economic sectors in Mediterranean countries. The sectors identified are olive oil production, construction materials production, secondary metals production, transport in petrol vehicles, the textile industry and the tanning industry.

The project proposal is being prepared in collaboration with the UNEP's chemical substances division and the IDAEA-CSIC (See annex 5, MoU CP/CAR/CSIC). The countries proposed to take part in the project are: Algeria, Egypt, Jordan, Lebanon, Morocco, Syria, Tunisia and Turkey.

#### POP Monitoring in Spain

This activity began in 2008 and is being carried out in Doñana in collaboration with the Spanish Scientific Research Centre (CSIC) and the Energy, Environment and Technology Research Centre (CIEMAT). The CSIC is responsible for implementation and coordination of the sampling performed by both Spanish national institutions (CSIC and CIEMAT), which are involved in the National POP Environmental Monitoring Plan, and also by RECETOX, the Czech Republic's Stockholm Convention Regional Centre. It is also involved in the MONET programme.

The CP/RAC is supporting the implementation of this activity, which involves CSIC deploying passive gatherers each month in accordance with the MONET programme guidelines.

#### Technical review of POPs

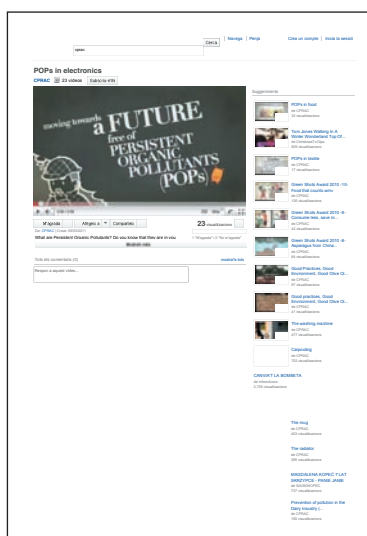
In May 2010, the CP/RAC Annual Technical Publication number 9, titled "Chemicals in the



Mediterranean” was published. The magazine, which is published in English with some paragraphs translated into Spanish and French, includes articles about POPs, the Stockholm Convention and the Basel Convention, the REACH Regulation on the registration, evaluation, authorisation and restriction of chemicals, and the system for intensifying rice cultivation as an example of sustainable agriculture.

**Educational micro-videos about POPs**

In order to provide civil society with greater information and raise awareness, the CP/RAC has published three animated micro-videos on Persistent Organic Pollutants (POPs). The videos are three minutes long and have the same introduction and ending. The middle changes according to the industry concerned: textiles, electronics and food. They explain what POPs are, what is being done to prevent their use, and what each member of the public can personally do, in a fun and agreeable way. These videos have been uploaded to the CP/RAC’s YouTube channel. Mass distribution will be carried out through the Centre’s new strategy 2.0.



**1.8 Increased awareness and commitment from Mediterranean countries (both public and private sectors) to implement Sustainable Public Procurement, Ecolabeling, REACH and GHS (MAP Activity 5.1.14)**

**Organisation of the Regional Seminar on Sustainable Public Procurement**

The CP/RAC held a debate on sustainable public procurement (SPP) in Mediterranean countries in Barcelona, Spain, from 25 to 26 November 2010.

The meeting’s objectives were as follows: 1. Promote SPP in Mediterranean countries; 2. Create SPP strategies in the Mediterranean in a participatory and inclusive manner; 3. Establish the steps for implementing SPP in Mediterranean countries; 4. Promote the creation of networks between different interested parties; 5. Promote the exchange of experiences between Mediterranean countries; and 6. Pinpoint synergies and possible cooperation between the interested parties.

Around 20 participants took part in the seminar including the CP/RAC National Focal Points and UNEP staff. The following institutions and countries were represented: the Egyptian Environmental Agency and CP/RAC National Focal Point; the Greek Ministry of the Environment, Energy and Climate Change and CP/RAC National Focal Point; the Italian Committee for the Implementation







of the National SCP Action Plan and the CP/RAC National Focal Point; the Maltese Clean Technologies Centre and CP/RAC National Focal Point; the Slovenian National Cleaner Production Centre, Steng, and the CP/RAC National Focal Point; the Spanish Ministry of the Environment and CP/RAC National Focal Point; the Syrian Ministry of the Environment and CP/RAC National Focal Point; and UNEP's sustainable consumption and production branch: Sustainable Public Procurement; the SCP Branch's Marrakesh work group; the Autonomous Government of Catalonia, Spain; Barcelona Metropolitan Area; Ecoinstitut; ESCI-UPF, Spain, Tunisia; and the Waste Agency of Catalonia, Spain.

**Participation in the Green Public Procurement Conference**

The CP/RAC took part in the Education and Awareness-raising Conference for the National Green Public Procurement Plan. It was organised by the Ministry of the Environment and Rural and Marine Affairs (MARM) and took place in Madrid in April. Taking part in this event was of great use in enabling the centre's staff to learn first-hand about the tools needed to promote and apply Sustainable Public Procurement (European and national legal framework, the concept of green public procurement, good practice and the environmental and economic benefits of this kind of procurement).



### 1.9 Enhanced involvement of Mediterranean regional organisations and networks in SCP and sustainable chemical management (MAP Activity 5.1.15)

#### Project Horizon 2020

The CP/RAC is playing an active role in the Capacity Building work group for the Horizon 2020 project. This work group is formed by various Mediterranean organisations that have received ENPI Programme<sup>1</sup> funds to carry out the work group's activities. These involve organising various national and regional training seminars in 2011 and 2012 in several Mediterranean countries on key themes related to priority areas to reduce pollution in the Mediterranean in accordance with the Horizon 2020 initiative. These priority areas are industrial emissions, municipal waste and urban sewage. All through 2010, the CP/RAC has carried out intense work in negotiating the distribution of tasks in the work group and the integration of SCP tools into the identification of theme areas in the seminars. Finally, the centre will receive around €261,000 in ENPI funds to lead the organisation of all of the seminars under the industrial emissions heading and collaborate with organising other seminars concerning the project's other priority areas. The themes of the seminars the centre is leading concern SCP tools such as clean production, sustainable public procurement, ecolabeling, sustainable management of industrial areas, green working, green banking, etc.

#### BAT4MED Project

The CP/RAC is one of the organisations taking part in the BAT4MED Project (Best Available Techniques for the Mediterranean), coordinated by the Andalusian Institute of Technology (IAT) and funded with European Funds through the Seventh R&D Framework Programme. In 2010, it was confirmed that the project had been awarded to the consortium headed by the IAT and the members carried out the necessary preparation work to get the project underway in 2011. The CP/RAC

has taken on the role of project communication manager. The centre will receive €170,000 in funding to manage the website and handle the project's other communication activities (newsletter, magazines, etc.), and to organise a series of technical workshops and national and regional conferences in 2011, 2012 and 2013. The project brings together organisations from European countries (Spain, Belgium and Italy) and countries on the south coast of the Mediterranean (Morocco, Egypt and Tunisia). BAT4MED is intended to analyse the potential impact of introducing the European concept of Integrated Pollution Prevention and Control to the Mediterranean region in order to ensure greater protection of the environment and health in this area by industry in Mediterranean countries through international cooperation. The initiative is intended to act as a catalyst for change in Mediterranean countries through international cooperation, while supporting the growth of European productive industry or the management of environmental technologies.

These objectives are intended to be achieved through identification, assessment and selection of the Best Available Techniques (BATs) for pollution prevention and control in key industrial sectors with a high potential environmental benefit. All of these activities involve promotion and education in the use of BATs and European experience in Integrated Pollution Prevention and Control (IPPC) policies among Mediterranean countries through international cooperation.

BAT4MED is planned to last 30 months. It aims to be long-lasting so as to consolidate the project's results and extend its application beyond its current time and geographical horizons.

<sup>1</sup> European Neighbourhood and Partnership Instrument

## 2. Pollution prevention and control

### 2.1 Awareness and capacity building activities to assist Mediterranean countries in management of PCBs in national electric companies (MAP Activity 4.2.4)

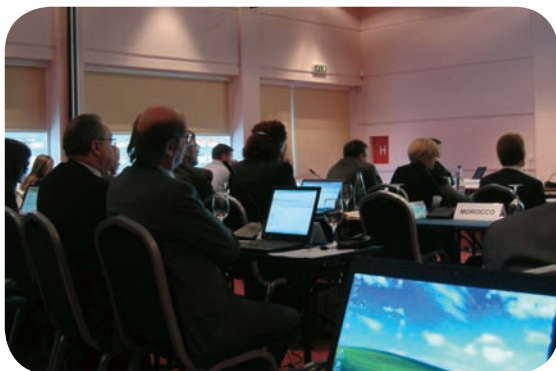
The CP/RAC is taking part in the GEF project<sup>2</sup> Strategic Partnership for the Mediterranean Large Marine Ecosystem Regional Component: Implementation of agreed actions for the protection of the environmental resources of the Mediterranean Seas and Coastal Areas. The Centre is specifically involved in the aspect of “Rational management of equipment, stocks and waste that contains or is contaminated with PCBs (Polychlorinated Biphenyls) in National Electric Companies in Mediterranean Countries”, providing specific support to the areas of “Raising awareness of the importance of rational management of equipment containing PCBs” and “Technical capacity building for the rational management of equipment containing PCBs”.

The countries that benefit are Albania, Egypt, Libya and Syria. A series of support activities has been planned for them, which will end in 2012.



The main activities performed by the Centre in 2010 within the framework of this project involved taking part in four project kick-off meetings in Albania, Syria, Egypt and Libya, and identifying awareness-raising priorities, as well as material needs for support and capacity building. For this purpose the CP/RAC signed a collaboration agreement with the Egyptian Basel Convention Regional Centre in which they undertook to collaborate on this activity (see annex 6: MoU between BCRC Egypt and CP/RAC).

Three capacity building seminars on PCB management are planned for 2011.



<sup>2</sup> Global Environmental Facility (GEF)

### 3. Climate Change

#### 3.1 Promote low carbon methodology and sectoral guidelines (industry, tourism, shipping, transport and mobility, agriculture, urban and spatial planning). (MAP Activity 6.2.10)

#### Incorporating energy efficiency measures into sector studies on pollution prevention

The CP/RAC updated its entire collection of industry studies on pollution prevention in the most representative industries in the Mediterranean by including a specific chapter on energy efficiency measures in each of the studies, and publishing leaflets summarising the contents of those chapters. A total of 16 leaflets were produced in English on the following sectors: paper, offices, dairy, batch chemicals, used oils, tanning, textiles, toxic and hazardous waste, ceramics, hotels, food preserving, olive oil, logistic services, metal machining, meat processing and cement companies.

#### The Meat Sector and climate change mitigation



The meat industry has not a very high impact of generation of greenhouse effect generated by its manufacturing process is not based on intensive use of fossil fuels. However, like many other industries in need of cold and heat, it does require auxiliary power consumption, this leads to greenhouse effect, either directly (through the use of fossil fuels) or indirectly (by consuming electricity).

The sector has potential to reduce emissions that improve their competitiveness. On the one hand we can focus on the cold and heat generation, which are the most important and therefore of greater impact on climate change. On the other hand, we can focus on the scalding, cooling, cleaning utensils, etc.

Similarly we can also reduce emissions from hydrofluorocarbons (HFCs), improving the use and management of refrigerants.

#### The Ceramic Sector and climate change mitigation



The ceramic industry has a strong impact on gases emissions of greenhouse effect causing climate change. The origin of these is twofold:

On the one hand those arising in the process, due to the clays decarbonization and some auxiliary materials, which natural carbon content is released during the cooking process. They are very hard to avoid, because in these moments are intrinsic to the process itself. Some R & D & I are working to open new approaches for viable alternatives of future.

Then there's the emissions generated by burning fossil fuels for the process. These are high energy requirements, which in many cases are met by burning of fossil fuels. It is therefore in this respect that we find the most improvement efforts and where we find the most common alternatives see below.

#### The Canning Sector and climate change mitigation



The canning industry is not among those that have a high impact on climate change. However, there's a link between greenhouse gas emissions, there are many measures that can be implemented.

The intensive use of energy is the main impact of the canning industry. The use of heat and cold for a large number of processes, where the investment in energy is high.

The use of HFC's gases in the process of food preservation becomes necessary to do a proper use and management of the refrigeration system and to reduce their climate impact.

Finally the organic waste generation and management generates a worst problem because the heat released is higher than what the CO<sub>2</sub> has.

On the other hand, the fossil fuels use cleaner than used it, the use of electricity and heat, or general measures such as energy efficiency are the most common alternatives see below.

#### The Paper Sector and climate change mitigation



The paper industry production generates a strong impact on gases emissions of greenhouse effect due to high energy requirements that has to develop its production process. Basically we can distinguish three types of these emissions origin:

The fossil fuels consumption needed for essential parts of the production process such as boilers for power generation or gas turbines, recovery boilers, incinerators, lime kilns and calcination, washing or drying gases.

#### Hazardous waste treatment Sector and climate change mitigation



The list of hazardous industrial waste and gases emissions is bidirectional. On the one hand its generation and treatment are potential emissions sources and on the other hand, it offers an opportunity to reduce emissions by having the ability to substitute traditional fossil fuels.

Of organic waste can become an alternative to fossil fuels. These are considered to be considered neutral. The fossil fuels but its emissions are not neutral and must be done through the use of fossil fuels.

Biological treatments are appropriate from the point of view of climate change, but should be effective in its task of breaking down the waste without letting it develop a mechanization process. Incineration releases the waste energy value and the steam and hot water, it is recommended when replacing from fossil fuels and is made with the technology available. For many industries the waste use as fuel is a common practice. The biogas capture from landfills is a good practice to substitute fossil fuels.

The necessary electricity consumption for the company process automation and general technological equipment are also focused on three strategies: improving the efficiency of the process. The use of cleaner fuels, as the requirements and the time potential use of biomass and the use of cogeneration to meet the electricity and

#### The Office Sector and climate change mitigation



The Tertiary sector development, the use of new technologies and the spread of air conditioning units that improve the working comfort are some of the direct or indirect greenhouse gas emissions caused by the office activity, which are increasing exponentially. This greenhouse gas emissions increase, along with the possibility of introducing many easy measures with a high reduction potential. Focusing on energy efficiency, makes it necessary to mitigate the sector emissions generated.

Some of these measures are: maintaining a comfortable temperature between 20 and 24 °C in winter and between 25 and 26 °C in summer, both controlling and regulating the installation or through an appropriate external thermal insulation or using more efficient equipment. A light regulation to avoid unnecessary consumption, a good building design or efficient bulb use.

The use, management and control of more efficient facilities are some of the measures that we can implement to reduce the greenhouse gas emissions of offices.



## 4. Governance

### 4.1 Strengthening institutional coherence, efficiency and accountability (MAP Activity 1.2)

#### Initiative to organise Sustainable Events in the MAP

At the request of the MAP's Coordination Office, in 2010 the CP/RAC began an initiative to organise sustainable events in the Mediterranean. The objective is to establish a set of sustainability criteria applied to the holding of meetings and conferences held by the members of the Mediterranean Action Plan. This initiative began at the ordinary meeting of the Directors of the RACs (Regional Activity Centres) of the Mediterranean Action Plan held on 8 and 9 June at the CP/RAC's facilities, where the strategy to apply that initiative was designed.

In December, the first workshop on making events environmentally friendly took part in Barcelona, which was attended by a representative of each MAP Regional Centre. The meeting was used to design a strategy for implementing specific action to guarantee the sustainability of all events organised within the framework of the Mediterranean Action Plan's activities. The meeting was very interactive and participatory. Those attending assessed the environmental, economic and social impacts of organising international meetings and conferences. They identified opportunities and difficulties in holding sustainable events and the participants were given tools to plan, implement and assess them. Based on the participants' detected needs, the CP/RAC has begun to develop a toolkit for holding sustainable events. This toolkit will be based on the answers to an interactive questionnaire sent to various contacts the Centre has, such as other Regional Activity Centres, as well as a list of contacts of representatives of Mediterranean civil society provided by the Mediterranean Information



Office for Environment, Culture and Sustainable Development (MIO-ECSDE), which is taking advantage of the CP/RAC's initiative to make it known in its action network (NGOs, universities, etc.). The toolkit, which will be available in the middle of February 2011, consists of a database of sustainable suppliers, real cases of good practices in the organisation of sustainable events and summaries of various guides available in the Mediterranean. It will also include a checklist to help include environmental criteria in a straightforward, almost automatic manner, together with possible solutions arising from the experience of all of the agents involved in the process of organising an event.

Based on the CP/RAC's mandate to transfer knowledge to universities, a two-day training course on this subject was held at the GUNI university conference at the Polytechnic University of Barcelona on 23 and 24 November.



### CP/RAC – MARM Meetings

In 2010, the CP/RAC's management held various work and coordination meetings with people in positions of responsibility at the Ministry of the Environment and Rural and Marine Affairs (MARM). The meetings took place in Madrid in February and December.

Monitoring implementation of the Barcelona Convention and its Protocols in Spain

The CP/RAC has collaborated with the Ministry of the Environment and Rural and Marine Affairs (MARM) on preparing the 2008 – 2009 reports on the implementation of the Barcelona Convention for the Protection of the Mediterranean Sea against Pollution and its protocols in Spain.

### 4.2 Implementation gap filled: Contracting Parties supported in meeting the objectives of the Barcelona Convention, protocols and adopted strategies. (MAP Activity 1.2)

#### Assisting Israel with developing its National Implementation Plan for the application of the Stockholm Convention on POPs

The CP/RAC is taking part in the process of ratifying the Stockholm Convention in Israel, supporting the Israeli Ministry of Environmental Protection with developing the National Implementation Plan (NIP) on POPs. The Centre will take part in an initial meeting of the National and Interministerial Committee in which the CP/RAC will introduce the Stockholm Convention and the obligations arising from it. The centre will also introduce the NIP development process and mention practical cases from other countries. It will also introduce the new chemicals recently included in the convention. The meeting will be held at the beginning of January 2011 and will be used to lay the foundations for future collaboration throughout the plan



development process. After the interministerial meeting, a seminar will be held in Israel on Environmental Monitoring of POPs, which will be given by the RECETOX centre. The CPRAC will collaborate through the participation of two Mediterranean countries, Croatia and Albania.

#### 4.3 Knowledge and information effectively managed and communicated (MAP Activity 1.3)

##### CPNews electronic newsletter

In 2010, the CP/RAC continued its online communication based on the electronic newsletter *CPNews*, which is received by around 1,000 people in the Mediterranean region. Three *CPNews* newsletters were sent during the year: one in February, one in September and one in December. The electronic newsletter has been used to make some of the action carried out by the Centre better known, such the Ecomeda Green Forum, the seminar on new POPs and PINs and the Greco Forum, among others.

##### Updating of the [www.cprac.org](http://www.cprac.org) web page and strategy 2.0

In 2010, certain improvements were made to the functionality of the Centre's web page. We also began implementing the CP/RAC's strategy 2.0 to ensure it is visible on social and content networks (Facebook, Twitter, YouTube, etc.). The aim is to increase exposure and knowledge about the Centre's mission and services among different groups (business, technical professionals, civil society in general, etc.) and promote more interactive and participatory communication.

##### Taking part in the United Nations Commission on Sustainable Development

The CP/RAC's director, Virginia Alzina, gave a speech on Green Economics and Sustainable Production and Consumption at the United Nations





Commission on Sustainable Development in New York (USA) in May 2010..

### **Taking part in the Eleventh Environmental Conference**

The CP/RAC took part in the Eleventh Environmental Conference (Saragossa, 1 June) held by the UGT Aragon trade union, in collaboration with the Government of Aragon, focussing on the prevention of occupational and environmental hazards from the viewpoint of clean production.

The CP/RAC drew on its experience in a speech on clean production, which showed those attending the event other ways of producing that pose fewer risks to workers' health, public health in general and the environment.

### **Taking part in the MAP's initiative on the World Bank Project (MSDP)**

In 2010, the CP/RAC attended several meetings with the World Bank to raise financial support for possible projects that could arise from the GRECO initiative.



### **Taking part in the Ninth Organic Food and Agriculture Congress**

In order to contribute to the development and implementation of sustainable consumption and production policies, the CP/RAC took part in the Ninth Organic Food and Agriculture Congress organised by the Spanish Organic Agriculture Society (SEAE), which was held in Lleida from 6 to 9 October 2010. At the congress participants analysed the contribution sustainable agriculture is making to food quality and safety in the Mediterranean, as well as developing trends in this industry.

### **Taking part in the conference on "The Institutionalisation of the Union for the Mediterranean"**

The CP/RAC took part as a speaker at the conference on "The Institutionalisation of the Union for the Mediterranean: new potential for the region", which took place in May in Barcelona and was organised by the Institute of Public Law (IDP). The title of the CP/RAC's speech was "Challenges and opportunities for sustainable development in the Mediterranean".

### **Promoting Sustainable Consumption and Production**

The CP/RAC took part in the "European Roundtable on Sustainable Consumption and Production", which took place in October in Delft (Netherlands). It is a platform for stimulating, developing and making new initiatives known that implement concepts related to sustainable consumption and production, which promotes the exchange of local and regional experiences. The Centre took part in this initiative to find out first-hand about the latest technical and strategic trends in sustainable consumption and production; and to work with other agents to develop areas for cooperating together



**Trends in the food industry**

The CP/RAC took part in the "Sustainable Foods Summit", which was held in June in Amsterdam (Netherlands). Developing trends in the sustainable food industry, opportunities for innovation and cooperation with developing countries, ecolabeling, and consumer trends in this area, were presented at the summit.



## IV. Annexes



## 1) MoU (Small Scale Funding Agreement) with the UNEP and the MAP

(SSFA/2009/DEPI/MCEB-MAP/025)

Project Account No. MEL-2322-2534-2664 B.L. 1202

Cost to UNEP: USD 29,070 (Euros 20,000)

### Small-Scale Funding Agreement

THIS SMALL SCALE FUNDING AGREEMENT (SSFA) and its annexes (this "Agreement") is made on 28 February 2010

#### BETWEEN:

United Nations Environment Programme (hereinafter referred to as "UNEP"), an international inter-governmental organization established by the General Assembly of the United Nations, represented by its Mediterranean Action Plan Coordinating Unit, under the UNEP Division of Environmental Policy Implementation and having its office at 48, Vas. Konstantinou Avenue, P.O. Box 18019, 116 10 Athens, Greece

#### AND:

The Regional Activity Centre for Cleaner Production, Regional Activity Centre of UNEP/MAP (hereinafter referred to as "CP/RAC"), having its office at Doctor Roux, 80, 08017 Barcelona, Spain.

Based on the MOU signed between UNEP- MAP- MEDPOL and CP/RAC and the work plan of CP/RAC as agreed by the Contracting Parties and since MEDPOL would make benefit of the results of the activity for the preparation of a draft regional plan for Mercury according to Art.15 of LBS Protocol, UNEP agrees to co-operate with CP/RAC with respect to the project entitled "Diagnosis of Mercury in the Mediterranean Region".

Annexes to this Agreement, including the attached Implementation Plan (Annex A), Budget (Annex-B), Annotated Table of contents of the assessment (Annex C), are part of this agreement.

#### 1. Programme objectives to which the small-scale funding contributes:

Contribution of funds for the preparation of a Diagnosis of mercury in the Mediterranean region to be used for the preparation of a legal text related to measures and timetables for the reduction of inputs of Mercury into the environment as required by Article 15 of the LBS protocol.

#### 2. Activity or activities to be carried out with the support of the small-scale funding:

Financial contribution to the activity that will be implemented by CP/RAC according to CP/RAC work plan as agreed by the Contracting Parties.

#### 3. Expected results/outputs to be achieved:

Facilitate the assessment of Mercury in the following:

- Legislative and institutional frameworks
- Major sources
- Available Technologies and practices to control the emissions of mercury
- Currently used ELVs and EQOs in the environment
- Available monitoring network in different environmental ecosystem
- Legal, institutional and technical Strengths and weakness
- Conclusions and recommendations.

Report on Diagnosis of mercury in the Mediterranean countries.

 LBS CERTIFIED

**(SSFA/2009/DEPI/MCEB-MAP/025)**

Project Account No. MEL-2322-2534-2664 B.L. 1202

Cost to UNEP: USD 29,070 (Euros 20,000)

4. This SSFA shall be in effect from the date of the last signature of the parties, but should not exceed a period of 6 months.

5. UNEP shall provide CP/RAC with funds up to a maximum amount of USD 29,070 (twenty nine thousand & seventy US dollars) equivalent to Euros 20,000 (Twenty Thousand Euros). The resources provided by UNEP will only be used by CP/RAC in pursuit of the project/programme objectives and for the activities to achieve the results as agreed to in clauses 1 – 3 above. Funds will be made available in one instalment as indicated below and upon receipt of a payment request in Euros, as follows:

Schedule of payments

USD 29,070 (twenty nine thousand & seventy US dollars) equivalent to Euros 20,000 will be paid upon finalization of the diagnosis report in July 2010.

All invoices must be either translated or appended with an English note explaining the purpose of the expenditure incurred, duly signed by the authorized official in CP/RAC.

The funds shall be deposited in:

**Bank Name and Address**  
La Caixa d'Estalvis i Pensions de  
Barcelona  
Oficina Corp.  
Av. Diagonal 530  
08006 Barcelona, Spain

**Wire Instructions**  
BIC/CODI SWIFT: CAIX ES BBXXX

**Account Title and Number**  
Agència de Residus de Catalunya  
IBAN: ES41 2100 3000 1422 0178 1454

**Signatories**  
Lidia Ruiz i Ortíña  
Elena Grifoll i Fàbregues

6. Within 1 month upon expiry of this Agreement, CP/RAC shall refund to UNEP any unspent balance of the above funds. In the event of any delay in such reimbursement CP/RAC will be financially responsible for any movement in exchange rates.

7. UNEP and CP/RAC will cooperate to monitor the progress of this project. CP/RAC shall submit to UNEP, substantive a progress reports; financial reports and a final report at or near the given dates below:

<u>Reports</u>	<u>Date</u>
Progress Report	March 2010
Financial Report	May 2010
Final Diagnosis Report	June 2010

8.a. CP/RAC shall submit financial statements on the use of funds provided, as per UNEP's required format and within the agreed timeframe.

8.b. CP/RAC shall keep accurate and up-to-date records and documents in respect of all expenditures incurred with the funds made available by UNEP under this Agreement, to ensure that all expenditures are in conformity with the provisions of

 **CERTIFIED**

(SSFA/2009/DEPI/MCEB-MAP/025)

Project Account No. MEL-2322-2534-2664 B.L. 1202

Cost to UNEP: Euros 20,000 (USD 29,070)

this Agreement and its annexes thereto.

8.c. Upon completion of the Project/ or Termination of this Agreement, CP/RAC shall maintain the records for a period of at least 3 years unless otherwise agreed upon between the Parties.

8.d. UNEP has the right, at its own expense, to have the records of CP/RAC related to this cooperation reviewed and audited.

9.a. CP/RAC shall consult with UNEP regarding the Intellectual Property Rights as appropriate.

9.b. CP/RAC shall only use the UNEP name, logo and emblem in connection with the Project with the prior written consent of UNEP.

9.c. In no event will authorization of the UNEP name or emblem, or any abbreviation thereof, be granted for commercial purposes.

10. This agreement can only be changed through an agreed modification in writing.

11. Either party may terminate this Agreement upon serving a written notice to the other party at least 1 month prior to such termination.

12. CP/RAC shall comply with all the above-mentioned provisions and agrees that UNEP reserves the right to withhold any payment due to CP/RAC's non-compliance with any of the provisions mentioned hereinabove.

13. Any dispute arising out of or in connection with this Agreement shall be settled amicably between UNEP and CP/RAC. Should attempts at amicable negotiation fail, any such dispute shall, upon request by either party, be referred to arbitration in accordance with the UNCITRAL arbitration rules. The parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

14. This Agreement shall enter into force upon signature by the Parties being effective from the date of the latest signature, and shall remain valid for a period of 6 months, as stipulated in Clause 4 above.

15. The Parties shall carry out their respective responsibilities in accordance with the provisions of the Agreement. The Parties shall determine and communicate to each other their respective focal points, having the responsibility for the Project implementation on its behalf.

16.a. CP/RAC shall be solely and completely responsible and accountable for all services performed by its personnel, agents, employees, or contractors (hereinafter referred to as "Personnel").

16.b. CP/RAC shall be considered as having the legal status of an independent contractor. Personnel of CP/RAC, its contractors or anyone else working for CP/RAC in the execution of the Project or otherwise, are not employees of UNEP and are not covered by the privileges and immunities applying to UNEP and its staff pursuant to the Convention on the Privileges and Immunities of the United Nations. UNEP shall not accept any liability for claims arising out of the activities performed under the Agreement, or any claims for death, bodily injury, disability, damage to property or other hazards that may be suffered by CP/RAC's personnel as a result of their work.



**(SSFA/2009/DEPI/MCEB-MAP/025)**

**Project Account No. MEL-2322-2534-2664 B.L. 1202**

**Cost to UNEP: USD 29,070 (Euros 20,000)**

pertaining to the activities under this Agreement.

16.c. CP/RAC shall ensure that its personnel meet the highest standards of qualification and technical and professional competence necessary for the achievement of the objectives and results of the Project, and that decisions on employment related to the Project shall be free of discrimination of any nature. CP/RAC shall ensure that all personnel are free from any conflicts of interest relating to the Project activities.


17.a. CP/RAC shall not seek nor accept instructions regarding the activities under the present Agreement from any Government or other authority external to UNEP.

17.b. CP/RAC shall refrain from any conduct that would adversely reflect on the United Nations and shall not engage in any activity which is incompatible with the aims and objectives of the United Nations or the mandate of UNEP.

18. Nothing in or relating to this Agreement shall be deemed a waiver, express or implied, of any of the privileges and immunities of the United Nations and UNEP.

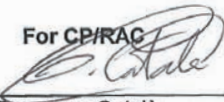
19. This Agreement or its Annexes may be modified or amended only by written agreement between the Parties.

For UNEP

By:   
Mr Ibrahim Thiaw  
Director, DEPI

Date: 09/03/2010

For CP/RAC

By:   
Ms Genoveva Català  
Director of the Waste Agency  
of Catalonia

Date: 21/04/2010

 CERTIFIED



## 2) MoU with the Stockholm Convention Secretariat

Project Account No: SC/4030-06-01-2102  
 Budget line: 2010-SCL-8248-2880-2644-2102  
 Cost to UNEP: USD 66,075.00

### MEMORANDUM OF UNDERSTANDING

The Memorandum of Understanding (herein referred to as the Memorandum) is concluded between:

**Regional Activity Centre for Cleaner Production (CP-RAC)  
 in Barcelona, Spain**  
 (hereinafter referred to as "Partner")

and

The United Nations Environment Programme (UNEP)  
 represented by the Secretariat of the Stockholm Convention  
 (hereinafter referred to as the "Secretariat")

For the Activity entitled:

Under the terms of this Memorandum, it is hereby agreed that:

1. The Partner shall assist the Secretariat in organizing a regional workshop entitled: "Joint Consultation of Basel, Rotterdam and Stockholm Conventions with the Basel and Stockholm Convention Regional Centres and FAO and UNEP Regional Offices" (the "Workshop") the agenda of the workshop is annexed to this MOU (annex 2).
2. The Workshop will have a duration of five (5) days starting from 27 September until 1 October 2010 and will take place in the meeting facilities provided by the Partner in Barcelona. The workshop will be held in English.
3. The joint consultative meeting will consider various aspects of the Synergy Decision, such as:
  - a review of pilot projects on the coordinated use of regional centres;
  - regular exchange of business or work plans including links to the web pages of the three conventions;
  - exchange of information between participants to cover Convention specific aspects;
  - preparation of profiles of the Stockholm and Basel convention regional centres that will be made publicly available;
 Additionally, the workshop will also aim to:
  - review the progress made by the regional centres in providing technical assistance to their constituent Parties;
  - Develop an individual action by each of the centres to improve their performance
  - Follow up on the request made by COP 4 to the regional centres, particularly pertaining to the Stockholm Convention;
4. When organising the Workshop, the Secretariat shall:
  - (a) Liaise with identified participants regarding their invitation and confirmation to the Workshop;
  - (b) Draft the Workshop agenda in liaison with the Partner;

Page 2

- (c) Coordinate the various presentations made at the Workshop, including possible participants' presentations;
5. The Partner will receive the funds from the Secretariat and use these funds in compliance with the budget outlined in Annex 1 in order to facilitate organization of the Workshop.
6. In this regard, the Partner, in liaison with the Secretariat, shall perform the following tasks to ensure successful participation of the participants:
- a. Arrange meeting venue, facilities, equipment and supplies;
  - b. Arrange participants travel, and distribute Daily Subsistence Allowance (DSA) to UNEP sponsored participants to the Workshop, in accordance with the UN established Financial Rules and Regulations, as advised by the Secretariat;
  - c. Provide support in processing visa arrangements for participants where necessary;
  - d. Book hotel rooms for funded workshop participants (and non-funded participants if confirmed early in advance) and offer airport pickup as well as transportation service to the meeting venue, if required;
  - e. Prepare necessary documentation for the Workshop in coordination with the Secretariat; in particular assist with the drafting of the workshop report and prepare a CD containing all workshop presentations;
  - f. Facilitate the identification of relevant stakeholders;
  - g. Provide participants with information on logistics, e.g. travel, accommodation, etc.
7. The Partner shall provide all necessary manpower, logistical and administrative support necessary to undertake the work.
8. UNEP shall pay the Partner a sum not exceeding USD 66,075.00 (Sixty six thousand and seventy five US dollars) for the costs incurred with respect to the organization of the Workshop and related publication to the following bank account:

**Supporting organization:**

**Beneficiary Name:** Agència de Residuos de Catalunya, Centro de Actividad Regional para la Producción Limpia (CAR/PL)

**Bank name:** La Caixa d'Estalvis i Pensions de Barcelona Of. Corp.  
Plaça Sant Jaume

**Bank address:** C/ Ciutat, 108002 Barcelona

**Bank Account Number:** ES86 2100 3000 11 2201576703

**Swift code:** CAIXESBBXXX

The disbursement of funds by UNEP to the Partner will be as follows:

- (i) An initial payment of USD 49,600 (Forty nine thousand six hundred US dollars) will be paid upon signature of this Memorandum.
- (ii) The remaining balance of USD 16,475 (sixteen thousand four hundred and seventy five US dollars) or any actual spent portion of it will be paid upon receipt by the Secretariat and UNEP/Administrative Services Center (ASC) of a final certified financial statement of expenditures.

9. The Partner will maintain a separate account for any disbursements pertaining to this Memorandum and shall submit to UNEP, on or before 31 December 2010, a detailed breakdown of expenditures incurred duly certified by an authorized official of the Partner. The expenditures will be reported by object of expenditure as per the attached budget (Annex 1) of this Memorandum. Any portion of cash advances remaining unspent or uncommitted by the Partner on completion of the activities under this Memorandum will be reimbursed to UNEP within one month of the presentation of the expenditure report. In the event of any delay in such reimbursement, the Partner will be financially responsible for any adverse movements in exchange rates.
10. The Partner shall retain, for a period of three (3) years, all supporting documents relating to financial transaction under this Memorandum. If requested the Partner shall facilitate an audit by the United Nations Board of Auditors and/or the Audit Service of the accounts of the Memorandum.
11. All correspondence regarding this Memorandum between the Partner and UNEP should be addressed to:

At the Partner:

Roger García Noguera  
Officiating Director  
Regional Activity Centre for Cleaner Production  
Mediterranean Action Plan – United Nations Environment Programme  
Regional Centre under the Stockholm Convention  
c/ Dr. Roux, 80 - 08017 Barcelona - Spain  
Direct phone: +34 93 553 87 92  
Tel. +34 93 553 87 90  
RGARCIA@ARC-CAT.NET

All correspondence regarding technical and substantive matters between the Partner and UNEP should be addressed to:

Roger García Noguera  
Deputy Director  
Regional Activity Centre for Cleaner Production  
Mediterranean Action Plan – United Nations Environment Programme  
Regional Centre under the Stockholm Convention  
c/ Dr. Roux, 80 - 08017 Barcelona - Spain  
Direct phone: +34 93 553 87 92  
Tel. +34 93 553 87 90  
RGARCIA@ARC-CAT.NET

At the Secretariat

Mr. Donald Cooper  
Executive Secretary  
Secretariat of the Stockholm Convention  
IEH, 11-13 Chemin des Anémones  
CH-1219 Châtelaine  
Geneva, Switzerland  
Fax: +41 (22) 917 80 98



All correspondence regarding administrative and financial matters should be addressed to:



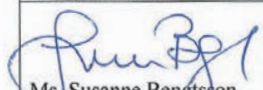
On behalf of the Administrative Services Center:  
Mr. Mikhail S. Evteev  
Officer-in-Charge Administrative Services Center (ASC),  
Corporate Services Section  
11-13 Chemin des Anémones  
CH-1219 Châteline, Geneva,  
Switzerland  
Fax: +41 (22) 917 8036  
E-mail: [evteevm@pops.int](mailto:evteevm@pops.int)

On behalf of the Secretariat  
Ms. Susanne Bengtsson  
Administrative Officer  
Secretariat of the Stockholm Convention  
11-13 Chemin des Anémones  
CH 1219 Châteline, Geneva  
Switzerland  
Fax: +41 (22) 917 80 98  
E-mail: [SBengtsson@pops.int](mailto:SBengtsson@pops.int)

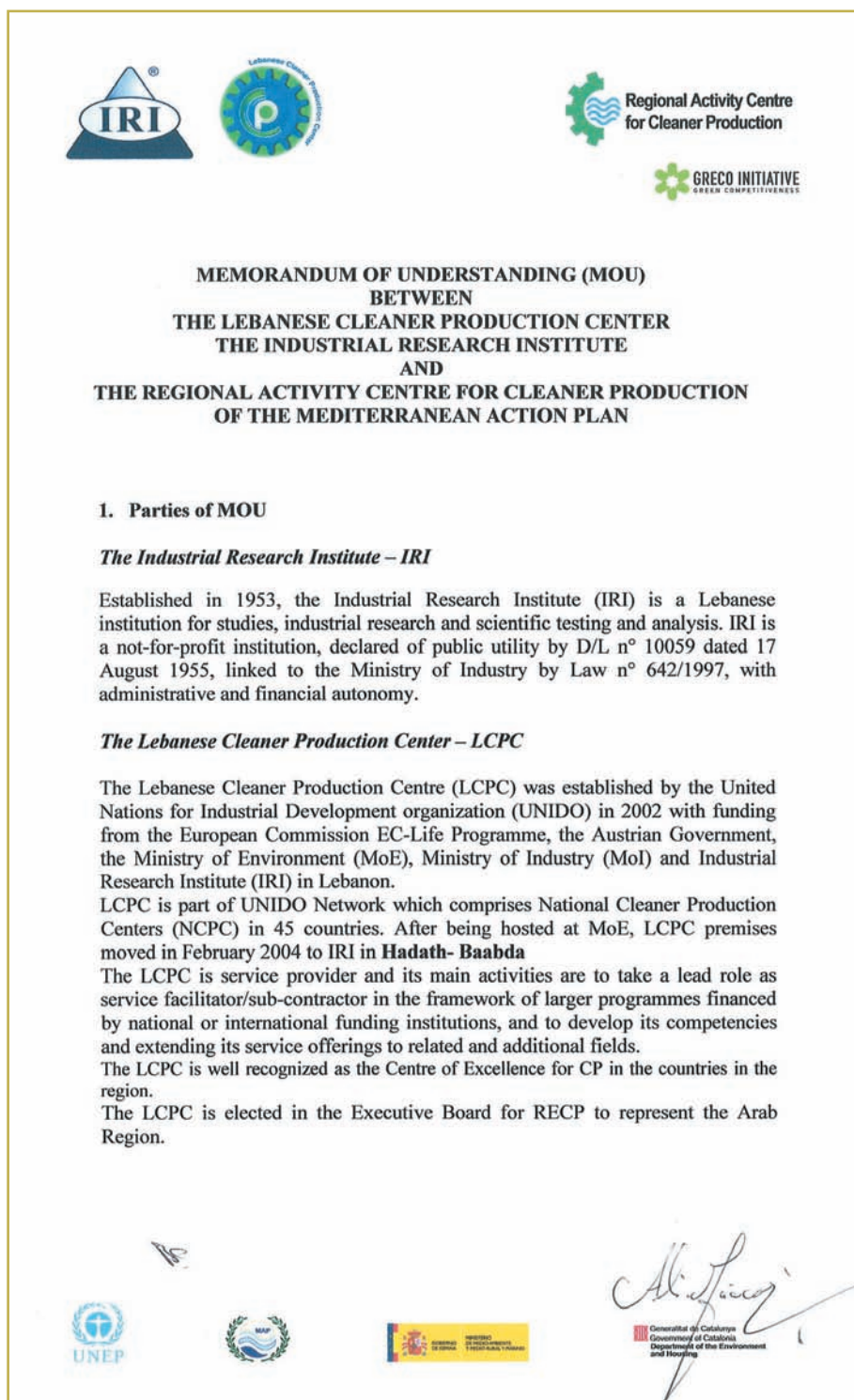
12. The convention of 13 February 1946 on the Privileges and Immunities of United Nations shall apply. The Partner will ensure that no impediments to transit to and from the meeting are imposed on any persons whose presence at the meeting is authorized by UNEP.
13. The Partner shall indemnify, hold and save harmless and defend at its own expense UNEP, its officers, agents and employees from and against all suits, claims, demands and liability of any nature or kind, including costs and expenses, arising out of negligent misconduct of the Partner or its employees in the performance of the terms of this Memorandum.
14. The Partner shall be considered as having the legal status of an independent contractor. Agents or employees of the Partner shall not be considered in any respect as being officials or staff members of UNEP.
15. The Partner shall neither seek nor accept instructions from any authority external to UNEP in connection with the performance of its services under this Memorandum. The Partner shall refrain from any action which may adversely affect UNEP or the United Nations and shall fulfil its commitments with fullest regard for the interest of the United Nations.
16. Any controversy of claim arising out of, or in accordance with this Memorandum or breach thereof, shall, unless it is settled by direct negotiation be settled in accordance with UNCITRAL Arbitration Rules as at present in force. The Parties shall be bound by any arbitration as the final adjudication of any such controversy or claim.
17. Nothing in or relating to this Memorandum shall be deemed a waiver of any of the privileges and immunities of the United Nations.
18. This Memorandum shall be in effect from the date of signature of the agreement until 28 February 2011.
19. This Memorandum may be terminated by either party before the expiry date of the Memorandum by giving notice in writing to the other party. The period of notice shall be 30 (thirty) days.

- 20. In the event of the Memorandum being terminated prior to its due expiry date in this way, the Partner shall be compensated on a *pro rata* basis for no more than the actual amount of work performed to the satisfaction of UNEP. Additional costs incurred by UNEP resulting from the termination of the Memorandum by the Partner may be withheld from any amount otherwise due to the Partner from UNEP.
- 21. No change in or modification of this Memorandum shall be made except by prior written agreement between UNEP and the Partner. The Partner shall not assign, transfer, pledge, sub-contract or make other disposition of this Memorandum or any part thereof, or of any of the Partner's rights, claims or obligations under this Memorandum except with the prior written consent of UNEP.

This Memorandum of Understanding is executed in two (2) original copies in English.

Signed on behalf of the Partner by:	Signed on behalf of the Secretariat of Stockholm Convention, Basel Convention and Rotterdam Convention by:
	
Roger Garcia Noguera Officiating Director	Mr. Donald Cooper Executive Secretary
Date:	Date: 10 August 2010
	Cleared on behalf of the Secretariat by:
	
	Ms. Susanne Bengtsson Administrative Officer
	Date: 10 August 2010

### 3) MoU with the Lebanese Cleaner Production Centre and the Industrial Research Institute







5. Identification of one Lebanese company to participate in the bi-annual GRECO ceremony where the GRECO Scientific Committee will select the winning companies for GRECO Award.
6. Promoting success stories on cleaner production in Lebanon for companies which have implemented successfully the cleaner production practices. This promotion will be after one year implementing cleaner production solutions in the country, the case studies will be presented in the GRECO Annual Report that will be disseminated throughout UNEP-MAP.
7. Dissemination of CP/RAC activities and material among the Mediterranean Countries with specific reference to Lebanon through the Lebanese CPC.
8. Exchanging CP/RAC's, Industrial Research Institute and Lebanese Cleaner Production Center experts and data base to back up the success of GRECO Initiative.
9. For any activity that will be done in Lebanon the endorsement of the Industrial Research Institute through the Lebanese Cleaner Production Center is required. Any activity or project which is not endorsement by the IRI will be not supported by CP/RAC

The activities to be carried out for the implementation of this MOU will be set in a well defined plan within two months after the signature of this agreement. On the other hand, a follow-up committee will be set up, for with representatives from the parties to this agreement in Lebanon supported by the CP/RAC to propose and, when necessary, discuss and agree on the activities that should be included in the working plan.

### 3. Duration of MOU

This MOU will be valid for a period of 3 years as of the date of signature and may be extended by written agreement of parties.

4. **Date:** Tuesday 26<sup>th</sup>, January 2010

### 5. Signature



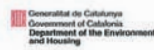
**Dr. Bassam Frenn**  
Industrial Research  
Institute  
Director General



**Dr. Virginia Alzina**  
Regional Activity Center  
for Cleaner Production  
Director



**Dr. Ali Yaacoub**  
Lebanese Cleaner  
Production Center  
Director





***The Regional Activity Centre for Cleaner Production (CP/RAC) of the Mediterranean Action Plan***

The Regional Activity Centre for Cleaner Production of the Mediterranean Action Plan, located in Barcelona Spain, was established in 1996 to promote sustainable patterns of production and consumption in The Mediterranean Region, focusing on cleaner production and pollution prevention, was nominated Stockholm Convention Centre for Stockholm Convention for 21 countries of the Mediterranean basin, (hereinafter "RAC/CP - Barcelona in Spain").

**2. Scope of Cooperation**

The Industrial Research Institute represented by Dr. Bassam Frenn, Director General of IRI, the Lebanese Cleaner Production Center represented by Dr. Ali Yaacoub, Director of LCPC and CP/RAC-Barcelona, represented by Dr Virginia Alzina, Director of CP/RAC (hereinafter referred to as "the authorized representatives) have agreed on the following Memorandum of Understanding (MOU).

The parties mutually recognize the legal capacity of each other to authorize this document and

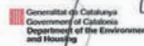
HEREBY AGREE ON

Setting up a strong cooperation framework between the Industrial Research Institute, Lebanese Cleaner Production Center and the CP/RAC to promote the GRECO Initiative among companies in Lebanon and achieving this mainly through the following specific activities:

1. Transfer the expertise and know how on Cleaner Production to the Lebanese industry through the website of GRECO Initiative along with the CP/RAC, IRI and LCPC websites; promote among Small and Medium Enterprises the Auto Audit tool.
2. Coordinating and cooperating on organizing the main GRECO Congress in Lebanon, in order to raise awareness and to transfer experiences and know-how to the Lebanese private sector.
3. Promotion of GRECO initiative throughout the Lebanese private sector: Brochures to SME, the GRECO Report with the analysis of 100 companies that have applied Cleaner Production (CP) and its results and other relevant materials.
4. Providing visibility and promotion in website and in partner's website to those companies that have applied CP in Lebanon

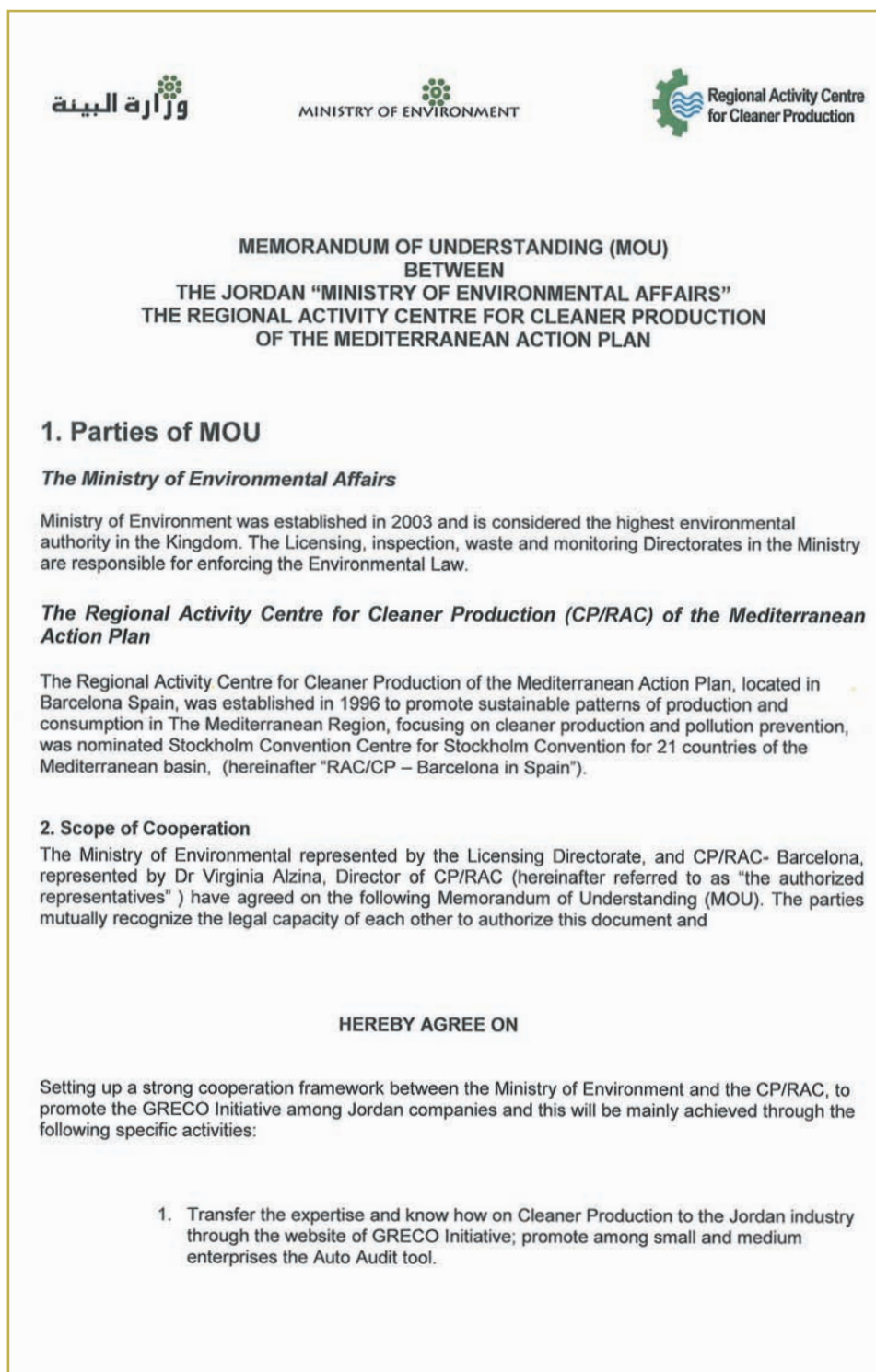


IRI



*Ali Yaacoub*

## 4) MoU with the Jordan Ministry of Environmental Affairs







2. Coordinate and cooperate on organizing the main GRECO Congress in Jordan, in order to raise awareness and to transfer experiences and know-how to the Jordan private sector
3. Promotion of GRECO initiative throughout the Jordan private sector: Brochures to SME, the GRECO Report with the analysis of 100 companies that have applied Cleaner Production (CP) and its results and other relevant materials.
4. Providing visibility and promotion in our website and in our partner's website to those companies that have applied CP in Jordan (e.g on ASCAME or BusinessMed and the National CP Centres).
5. Identification of one Jordan Company to participate in the biennial GRECO ceremony where the GRECO Scientific Committee will select the winning companies for GRECO Award.
6. Promoting of success stories on cleaner production in Jordan for companies which have implemented successfully the cleaner production practices. This promotion will be after one year implementing cleaner production solutions in the country, the case studies will be presented in the GRECO Annual Report that will be disseminated throughout UNEP-MAP.
7. Dissemination of CP/RAC activities and material among the Mediterranean Countries with specific reference to Jordan.
8. Exchange CP/RAC's and Ministry of Environment expert's data base to back up the success of GRECO Initiative.
9. For any activity that will be done in Jordan the approval of the Ministry of Environment is required. Any activity or project which is not approved by the representative will be not supported by CP/RAC

The activities to be carried out for the implementation of this MOU will be set in a well defined plan within two months after the signature of this agreement. On the other hand, a follow-up committee will be set up, for with representatives from the parties to this agreement in Jordan supported by the CP/RAC to propose and, when necessary, discuss and agree on the activities that should be included in the working plan.



### 3- Duration of MOU

This MOU will be valid for a period of 3 years as of the date of signature and may be extended by written agreement of parties.

### 4- Signature

27<sup>th</sup> May, 2010

Regional Activity Centre for Cleaner Production

Ministry of Environment

Dr. Virginia Alzina

Eng. Ahmed Katarnah

## 5) MoU with the Spanish Scientific Research Board

**Acuerdo de Colaboración entre el Centro de Actividad Regional para la Producción Limpia y el Instituto de Química Orgánica General de La Agencia Estatal CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS**

Barcelona, 1, Marzo, 2010

**REUNIDOS:**

De una parte D. Bernardo Herradón García, con D.N.I. núm. 51624859-W, Director del Instituto de Química Orgánica General, en adelante IQOG, (CIF: Q2818002-D) de la Agencia Estatal Consejo Superior de Investigaciones Científicas (en adelante CSIC), con domicilio en la calle Juan de la Cierva número 3 de Madrid.

Y de la otra parte Dña. Virginia Alzina Garcia, con D.N.I núm 34069052-A, como directora del Centro de Actividad Regional para la Producción Limpia, con CIFQ-5856373-E en nombre y representación de la citada empresa, con domicilio en la calle Dr Roux. nº 80 de Barcelona.

En el concepto en el cual intervienen ambos se reconocen capacidad legal y suficiente para adoptar el presente Acuerdo.

**MANIFIESTAN:**

Que el Centro de Actividad Regional para la Producción Limpia (en adelante CAR/PL) ha sido recientemente ratificado como Centro del Convenio de Estocolmo en el Mediterráneo,

Que el IQOG es un centro propio de la Agencia Estatal Consejo Superior de Investigaciones Científicas dispone de la infraestructura, conocimientos científicos y experiencia de reconocido prestigio internacional para abordar el análisis de COP en diferentes matrices ambientales.

1. Que el CAR/PL para llevar a cabo esta función, cree conveniente establecer acuerdos de colaboración y relación con diferentes empresas del sector de laboratorios para poder disponer de los medios técnicos adecuados de tal forma que se aprovechen los medios ya existentes en el mercado, sin la necesidad de crear nuevas infraestructuras que encarezcan los costes.

Que ambas partes reconocen mutuamente su alto nivel profesional y tecnológico, su especialización, su demostrada ética profesional y, así mismo, la complementariedad de los servicios que cada una de las partes ofrecen, cosa que permite y aconseja la cooperación entre ambos a la prestación de servicios a sus clientes en materia de LABORATORIO.



2. Que con la finalidad de formalizar documentalmente su cooperación en esta materia, ambas partes subscriben el presente Acuerdo con sujeción estricta a las siguientes estipulaciones.
3. Que el CAR/PL ha firmado el presente año un acuerdo de colaboración con el Centro Regional del Convenio de Estocolmo situado en República Checa, RECETOX.
4. Que el CSIC colabora con el despliegue en una campaña de RECETOX instalando captadores pasivos mensualmente en Doñana.
5. Que el esfuerzo adicional para el CSIC, en la colaboración mencionada anteriormente tendrá un coste de 3000 Euros, más los costes indirectos, más el I.V.A, a lo largo del año de la campaña de despliegue. La empresa ingresará en el mes de Marzo de 2010, en la cuenta número 0049 5124 62 2316001109 del Banco Santander Central Hispano, a nombre del Instituto de Química Orgánica General del CSIC, la cantidad total de 4141,20 Euros.
6. Que el CAR/PL hará un seguimiento de cada una de las acciones y no dará su conformidad con el servicio si considera que algún aspecto importante del mismo no se adecúa a los criterios de calidad.

**ESTIPULACIONES:**

- 1) Teniendo presentes los marcos de colaboración entre **CSIC** y RECETOX, y **CAR/PL** y RECETOX, ambos establecidos este año, el **CAR/PL** expresa su voluntad de apoyar y financiar las actividades de monitoreo de POPs que el centro RECETOX iniciará en España en colaboración con el **CSIC**.
- 2) Ambas partes expresan su decidida voluntad de dar a este Acuerdo el espíritu de la máxima colaboración e inteligencia entre ellas, promoviendo todo aquello que redunde a un mejor y más cumplido servicio a sus clientes, sin limitar las actuaciones individuales de cada una de las partes y potenciando su propia capacidad técnica, en beneficio de ambas entidades.
- 3) El presente Acuerdo tendrá efecto tras la firma del mismo y tendrá una duración de un año, pudiéndose prorrogar de común acuerdo entre ambas partes, mediante la suscripción del correspondiente documento de prórroga. A pesar de eso, podrá ser rescindido por cualquiera de las partes con una notificación escrita previa de tres meses.
- 4) **El CSIC y el CAR/PL**, aceptan el compromiso de confidencialidad, independencia e imparcialidad.

Y en prueba de conformidad, y para la debida constancia de aquello acordado, ambas partes firman el presente Acuerdo por duplicado y a un solo efecto, en el lugar y fecha indicados en el encabezamiento.

Del CAR/PL

Del CSIC



Virginia Alzina Garcia, Ph. D  
Directora  
Regional Activity Centre for Cleaner  
Production


Dr. Bernardo Herradón García  
Director del  
Instituto de Química Orgánica General.

## 6) MoU with the Basel Convention Regional Centre

**MEMORANDUM OF UNDERSTANDING (MOU)  
BETWEEN  
THE BASEL CONVENTION REGIONAL CENTRE FOR TRAINING AND  
TECHNOLOGY TRANSFER FOR ARAB STATES  
AND  
THE REGIONAL ACTIVITY CENTRE FOR CLEANER PRODUCTION  
OF THE MEDITERRANEAN ACTION PLAN**

### 1. Parties of MOU

**The Basel Convention Regional Centre for Training and Technology Transfer for Arab States – BCRC-Egypt**

The Basel Convention Regional Centre for Training and Technology Transfer for Arab States, located in Cairo, Egypt (hereinafter “BCRC-Egypt”) was established further to Article 14 of the Basel Convention on the Control of Transboundary Movement of Hazardous Wastes and their Disposal of 22 March 1989, which calls for the establishment of the Regional Centres for training and technology transfer regarding management of hazardous wastes and other wastes and the minimization of their generation.

**The Catalan Waste Agency (hereinafter referred to as “ARC”), public enterprise attached to the Department of Environment and Housing of the Generalitat of Catalonia, based on C/Dr. Roux, No 80, provided with the NIF: Q-5853673, which operates assisted by the Director of the Regional Activity Centre for Cleaner Production (hereinafter referred to as CP/RAC), Dr. Virginia Alzina, unit responsible for implementing the Action Plan for the Mediterranean (MAP) sponsored by United Nations, and for the monitoring of compliance with the Agreement between the Spanish “Ministerio de Medio Ambiente y Medio Rural y Marino” and the ARC, on promoting the cleaner technologies related to pollution prevention in the industrial area and the sound management of chemicals of the Mediterranean.**

The Regional Activity Centre for Cleaner Production, based in Barcelona-Spain, was established in 1996. Its mission is to promote mechanisms leading to sustainable consumption and production patterns and sound chemicals management in Mediterranean countries. In 2009, the CP/RAC was officially recognized as Regional Centre under the Stockholm Convention.

### 2. Scope of Cooperation

The Basel Convention Regional Centre for Training and Technology Transfer for Arab States represented by Dr. Hani Moubasher, Director of BCRC-Egypt and CP/RAC, represented by Dr Virginia Alzina, Director of CP/RAC (hereinafter referred to as “the authorized representatives”) have agreed on the following Memorandum of Understanding (MOU). Taking into account the decision of the 16<sup>th</sup> Meeting of the Contracting Parties to the Barcelona Convention, (Marrakech, November 2009), to promote the role of CP/RAC as the Coordinator of Mediterranean Centres in matters related to the implementation of the LBS Protocol:



Decision IG.19/10 on "Sound management of chemicals", as referred in the Report.

Decides to:

**a) agree to promote the role of CP/RAC, in matters related to the implementation of the LBS Protocol, as the facilitator to the necessary coordination of Mediterranean Regional Centres under the Stockholm and Basel Conventions and the centres working in the field of Cleaner Production in the Mediterranean Region with the aim of preparing joint programmes as appropriate.**

The parties mutually recognize the legal capacity of each other to authorize this document and

#### HEREBY AGREE ON

Developing the commitments of the Memorandum of Understanding (MoU) already signed among the parties on last 27<sup>th</sup> May 2009, about cooperation and consultation to achieve an effective utilization of existing expertise in areas of common expertise.

Setting up a strong cooperation framework between the BCRC-Egypt and the CP/RAC to work together within the framework of Global Environmental Facility (hereinafter referred as GEF) funded projects involving Persistent Organic Pollutants (POPs), Heavy Metals as well as other pollutants and achieving this mainly through the following specific activities:

1. Effective implementation of all activities related to CP/RAC responsibilities within the Strategic Partnership for the Mediterranean Sea Large Marine Ecosystem (hereinafter referred as SP/LME) GEF funded project (Regional Component, sub-component 2.3) about environmental sound management of PCBs in national electricity companies.
  - a. Organization and active participation in kick-off meetings in each one of the participating countries within the sub-component.
  - b. Preparation of awareness materials for each one of the participating countries within the sub-component, in particular, one video on PCB, a PCB website (with information about each country), 10,000 brochures on PCBs (2,000 for each country).
  - c. Awareness workshops on PCBs to be held in each one of the participating countries
  - d. 3 Training courses on Political and Technical issues concerning the environmental sound management of PCBs to be held in each one of the participating countries.
  - e. Organization and active participation in follow-up meetings in each one of the participating countries.

The participating countries in which the project will take place are Egypt, Syria, Libya, Albania and Lebanon. In case Lebanon does not confirm its participation, there is a possibility about including Croatia as participating country.

2. Effective implementation of all activities related to a new project on reduction of emissions of POPs, heavy metals and Greenhouse Gases (GHG) in different sectors, which is currently under preparation, and is going to be presented in July 2010. This project is still in the preparation phase. In particular, and among others, the activities in which BCRC-Egypt and CP/RAC agree to collaborate on the monitoring (including sampling and analytical determination) activities of POPs, heavy metals and other chemicals.

3. Effective joint implementation of some activities of the CPRAC business plan related to the Sustainable Consumption and Production line of work, as for example the Green Competitiveness (GRECO) Initiative, the feeding of the Technologies Database, the University program and preparation of e-courses, the Green Shots Award, activities on Sustainable Lifestyles, elaboration of Medcleans, CPNews,... among others.
4. Assist in adaptation texts, tools and documents to Arabic versions.

The collaboration between the parties includes one Expert to assist CP/RAC in activities 1. and 2., and one Expert to assist CP/RAC in activities concerning 3. And 4. Specific Terms of Reference (ToRs) are included as Annexes to this Memorandum of Understanding.

The BCRC-Egypt assumes all expenses related to the recruitment of the two experts during three years to begin in the date of the signature of this Memorandum of Understanding, as in kind contribution.

### 3. Cost of the activities

The total cost of the activities can not exceed 200.000 USD (total cash contribution from CP/RAC), as described in the Project Cooperation Agreement for the project: "Strategic Partnership for the Mediterranean Large Marine Ecosystem- Regional Component: Implementation of agreed actions for the protection of the environment resources of the Mediterranean Sea and its coastal areas" Sub-Component 2.3 "Environmentally Sound Management (ESM) of equipment, stocks and waste containing or contaminated by PCBs in national electricity companies of Mediterranean countries"

Funds of the GEF Trust Fund:	400.000 USD
Cash contribution from CP/RAC:	200.000 USD
In-Kind Contribution from CP/RAC:	200.000 USD
In-Kind Contribution from BCRC:	200.000 USD

### 4. Duration of MOU

This MOU shall remain in force until 31 August 2013 and may be extended by written agreement of parties, in order to match the exact schedule of the project on reduction of emissions of POPs, heavy metals and GHG..

### 5. Signature

June<sup>4</sup><sup>th</sup>, 2010



**Ms. Genoveva Català**  
Waste Agency of  
Catalonia  
Director



**Dr. Virginia Alzina**  
Regional Activity Centre  
for Cleaner Production  
Director



**Dr. Hani Moubasher**  
Basel Convention  
Regional Centre  
Training and Technology  
Transfer for Arab States  
Director