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**MEDITERRANEAN ACTION PLAN
MED POL**

Meeting of MED POL National Coordinators

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**PROPOSED ACTIVITIES TO BE CARRIED OUT DURING THE 2008-2009
BIENNIUM AS PART OF MED POL**

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SUB-PROGRAMME 1: IMPLEMENTATION OF THE LBS PROTOCOL

GOAL: To facilitate the implementation of the LBS Protocol and the SAP

Objectives:

- 1- To facilitate the financing of National Action Plans (NAPs)
- 2- To develop a methodology for the quantification of inputs from diffuse sources
- 3- To develop a mechanism for a differentiated approach to be applied in the pollution reduction process indicated in the NAPs
- 4- To launch demonstration projects in the framework of the GEF Strategic Partnership

During the biennium 2006-2007 the Contracting Parties prepared and endorsed National Action Plans (NAPs) to address land-based pollution. The NAPs, among other, indicate the priority actions which would be taken by national authorities to reduce inputs of pollutants from point sources to meet their commitments with the SAP and the LBS Protocol. In this framework, MEDPOL will closely work with the national, regional (EU and EIB) and international financial institutions (GEF and WB) to ensure the financing of the priority actions of the NAPs. Special attention will be given to the EC Horizon 2020 Initiative and the GEF strategic Partnership.

In addition, with the assistance of regional experts, the Secretariat will review the state-of-the-art of the quantification of inputs into the marine environment from diffuse sources in order to identify a reliable process which could be used to assess the magnitude of inputs of pollutants from diffuse sources to enable the development of an appropriate regional policy to address this issue.

In line with the CPs' request to explore the modality of implementation of a differentiated approach for the implementation of NAPs and the outcome from the two regional consultation meetings with countries' representatives, stakeholders and NGOs, during the biennium, MED POL will work on the implementation of the agreed road map for the development of a comprehensive differentiated mechanism based on Environmental Limit Values (ELVs) for the relevant industrial sectors. To this end, the Secretariat will continue to closely work with regional experts and countries' representatives to reach an agreement on the mechanism to be submitted to the Contracting Parties for possible adoption in 2009. MED POL will take into account similar ongoing activities such as the EU IPPC and emission trading directives. Meanwhile, MED POL will continue to deploy all necessary efforts to catalyse and facilitate the financing of priority actions of the NAPs.

The implementation of MED POL-related activities in the framework of the GEF-WB-MAP Strategic Partnership (SP) would be a benchmark in the implementation of the SAP. Following the expected approval of the Partnership by the GEF Council, MED POL will launch, during the biennium 2008-2009, five pilot projects in Turkey, Algeria, Lebanon and Syria respectively on policy reforms in four industrial sectors (tanneries, lubricating oils, batteries and fertilizers) and a pilot project for the development of ELVs and Environmental Quality Standards (EQS).

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Implementation of the LBS Protocol				
Recommendation of CP Meeting in Portoroz 2005	Cooperation with EC, EIB, GEF, WB (identification of projects, missions, meetings)	NAPs' pollution reductions interventions financed	MED POL and countries' authorities	Projects implemented	-Horizon 2020 -GEF-SP
-LBS Art.4	Estimation of the inputs from diffuse sources	Development of model(s) for the quantification of releases from rivers and watershed	MEDPOL with relevant Mediterranean institutions	Model(s) approved by national experts	-GEF SP
-Agenda 21 -JOP -MSSD -SAP	Development of a differentiation mechanism for pollution reduction	Differentiation mechanism based on ELVs	MEDPOL with regional experts	Mechanism adopted by CPs	-Kyoto protocol -IPPC - EU emission trading directive
-LBS Art.5 and 15 -SAP	Implementation of MED POL-related activities of the GEF Strategic Partnership - Launching of pilot projects in demonstration sites in Turkey, Algeria, Lebanon, Syria	National policy reforms to address tanneries, phosphogypsum, lub oil and lead batteries	MEDPOL in cooperation with CP/RAC and UNIDO and NCs	National policy reform approved by competent authority	GEF-SP

SUB-PROGRAMME 2: IMPLEMENTATION OF THE DUMPING PROTOCOL

GOAL: To facilitate the implementation of the dumping guidelines according to Art. 6.2, and the entry into force of the amended protocol.

Objective: To Provide technical assistance to countries to facilitate the implementation of the Dumping Protocol and its guidelines

MED POL, in close cooperation with the Secretariat of the London Convention and the relevant national authorities and stakeholders, will continue providing legal, institutional and technical assistance to facilitate the implementation of the guidelines for the management of matters under Art 4.2 of the Protocol. National stakeholders' meetings will be organized in Algeria, Albania, Croatia and Bosnia-Herzegovina. A new region-wide assessment of the dumping activities for the period 2003-2007 will be developed on the basis of the data provided by the CPs in the framework of national reports and the data and information collected directly from the national authorities. The secretariat will develop, with the assistance of regional experts, guidelines for the development of National Threshold Limit Values (NTLV) to assess the toxicity of dredged materials to be used by national authorities as an element of the permitting system. In addition MEDPOL, will complete, on the basis of data provided by the countries, the regional map exhibiting the sites of dumping of ammunitions to be used by maritime authorities and fishermen's associations throughout the region. Finally, MED POL will explore the feasibility of the use, for the benefit of the Parties, of the guidelines on waste management developed by the London Convention.

<i>Policy Relevance</i>	<i>Activity</i>	<i>Expected outputs for the biennium 08-09</i>	<i>Responsibility</i>	<i>Indicators of achievements</i>	<i>Related initiatives</i>
	<i>Implementation of the Dumping Protocol</i>				
Dumping Protocol Art.6.2	Implementation of adopted guidelines 1. Organization of national stakeholders' meetings. 2. Development of guidelines for NTLVs. 3. 3) Updating a regional map for dumping of ammunitions	1. Six national stakeholders meetings 2. Guidelines for NTLVs developed 3. New updated map on dumping of ammunitions	MED POL in cooperation with relevant NCs and the London Convention secretariat	1) Institutional set ups and cooperation between national stakeholders improved. 2) Guidelines approved by NCs 3) MAP prepared and distributed to all countries	London Convention activities

SUB-PROGRAMME 3: IMPLEMENTATION OF THE HAZARDOUS WASTES PROTOCOL

GOAL: To facilitate the implementation of the Protocol and its entry into force

Objectives:

- 1- To complete the project on management of lubricating oils in Bosnia Herzegovina
- 2- To Contribute to the development of an action plan to combat the illegal traffic of hazardous wastes in Arabic countries
- 3- To implement demonstration projects for the management and disposal of PCBs

In cooperation with the Basel Convention Secretariat and its Regional Centre in Bratislava, MED POL will complete the project initiated in Bosnia Herzegovina with the preparation of a management plan for lubricating oils.

In cooperation with the Basel Convention Secretariat and its Regional Centre in Cairo, MED POL will initiate a project to provide the necessary technical and financial assistance to the Mediterranean Arabic countries for the development of a strategy and an action plan for the control of illegal traffic of hazardous wastes in the Arabic countries. The basic steps towards achieving the strategy and action plan will include:

- 1- Collecting information and investigating on similar strategies and watch system plans from other regions
- 2- Preparing a strategy and action plan to be presented to a regional workshop
- 3- Propose a financial mechanism and coordination unit for the strategy and action plan
- 4- Convene a technical level meeting to discuss the budget and financial issues, the collaboration mechanisms and the elements of the strategy and action plan.
- 5- Convene a high level regional workshop to present and agree on the strategy and action plan, agree on implementation mechanisms and review financial mechanisms
- 6- Publicize the strategy and action plan
- 7- Present the strategy and the plan to the Ministers of Environments in the Arab countries at their annual meeting with the League of the Arab States.

After the expected approval of the GEF strategic Partnership by the GEF Council, MED POL, in cooperation with CP/RAC, will launch five demonstration projects for the environmental management and disposal of PCBs in Albania, Egypt, Syria, Libya and Lebanon. The projects aim at the implementation of a national capacity programme on how to perform a disposal process (selection, confinement, authorization, shipment and disposal) for oils and equipment contaminated with PCBs in a selected demonstration site(s) together with a national wide capacity building programme about the environmental and health issues of the management of PCBs for the stakeholders and public. As a result of the five-year project, it is foreseen to dispose 1100 tons of PCBs from all demonstration projects. The PCBs activities as part of SP are considered a concrete contribution to the implementation of the NAPs and the NIPs of the Stockholm Convention.

<i>Policy Relevance</i>	<i>Activity</i>	<i>Expected outputs for the biennium 08-09</i>	<i>Responsibility</i>	<i>Indicators of achievements</i>	<i>Related initiatives</i>
	<i>Implementation of the Hazardous Waste Protocol</i>				
Hazardous Waste Protocol Art.4	Implementation of PCB component of GEF Strategic Partnership	Demonstration projects in Albania, Egypt, Libya, Syria and Lebanon	MEDPOL in cooperation with CP/RAC	National programmes for the environmental sound management and disposal of PCBs contaminated oils and equipments launched by electricity companies.	GEF SP
Hazardous Wastes Protocol Art.5.5 and 8	Strengthening the Cooperation with Basel Convention Regional Centres through the implementation of joint projects 1) Regional model for management of Lub oil IN Bosnia Herzegovina. 2) Action Plan to combat illegal traffic of hazardous waste in Arabic countries	1) Pilot Project in Bosnia – Herzegovina completed 2) Comprehensive and harmonized action plan for Arabic countries prepared	MEDPOL in cooperation with NCs, BC and BCRCs	1) Regional model for Environmental management system of lub oil is prepared and posted on MAP web site 2) A strategy and an action plan to combat illegal traffic of HW are agreed upon by relevant CPs	Basel Convention and its BCRC

SUB-PROGRAMME 4: ASSESSMENT OF THE IMPLEMENTATION OF LBS, DUMPING AND HAZARDOUS WASTES PROTOCOLS

GOAL: To monitor the effectiveness of national measures taken to implement the Protocols

Objectives:

- 1- To assist countries to formulate and establish national monitoring programmes in compliance with Article 12 of the Convention and Article 8 of the LBS protocol
- 2- To assess the state of marine pollution in the Mediterranean and determine its trends
- 3- To update the NBBs methodology and content
- 4- To develop a comprehensive set of Marine Pollution indicators

As the protocols aim at reducing inputs of contaminants into the marine environment, one way of assessing the effectiveness of the measures taken to implement the protocols is to monitor the quality of the marine environment to detect relevant improvement.

According to Article 12 of the Barcelona Convention all Contracting Parties shall establish monitoring programmes and designate the competent authorities responsible for pollution monitoring. In addition, Article 8 of the Land-Based Sources Protocol stipulates that these monitoring programmes should aim:

- a) "Systematically to assess, as far as possible, the levels of pollution along their coasts, in particular with regard to the sectors of activity and categories of substances listed in Annex I, and periodically to provide information in this respect; and
- b) To evaluate the effectiveness of action plans, programmes and measures implemented under this Protocol to eliminate to the fullest possible extent pollution of the marine environment".

The monitoring activities in MED POL Phase IV are designed on the basis of the above and with the following specific objectives:

- to determine temporal trends of some selected contaminants in the coastal waters and specifically in hot-spot areas in order to assess the effectiveness of policy measures and actions taken ;
- to undertake periodical assessments of the state of the environment in hot spots and general coastal areas (needed to provide information for decision makers on the basic environmental status of the areas which are under anthropogenic pressures), and
- to control whether there is compliance with national / international regulatory limits.

Contracting Parties are responsible for establishing national monitoring programmes that would include state and trend monitoring, compliance monitoring and monitoring of loads. Financial assistance will be provided to those countries that are still in need. Contracting Parties are encouraged and assisted to also undertake biological effects monitoring and eutrophication monitoring, as appropriate. Baseline studies will continue in cooperation with ongoing projects to cover the Adriatic and the South-eastern Mediterranean.

Data Quality Assurance is vital to ensure reliable and good quality data. IAEA will continue to be responsible for chemical contaminants and the University of Alessandria (Italy) for the biomarkers. MED POL will assist laboratories to participate in the QUASIMEME exercises for eutrophication parameters. IAEA will also organize training courses for the analysis of heavy metals and organics. Specifically, for biological effects, an inter-calibration exercise will take place in 2008 and a joint workshop with ICES(OSPAR) and HELCOM in 2009.

The process for updating the reference methods for monitoring and analysis will be initiated in 2009.

As it was indicated in the approved MEDPOL phase IV programme, compliance monitoring will focus mostly on the monitoring of inputs of loads of pollutants which could reach the marine environment directly or indirectly from point sources in administrative region(s) and at national level. Accordingly,, with the assistance of regional expert(s), MED POL will update the methodology used for the preparation of the National Baseline Budget of Emissions and Releases (NBB) to facilitate and improve the assessment of loads from industrial points sources and will provide technical and financial assistance to designated national experts to develop their national compliance monitoring exercise for the year 2008-2009.

The regional and national assessment of the status of the generation of data and information to assess Marine Pollution Indicators (MPIs), which was performed by regional and national experts, indicated that there is a need for larger efforts by the secretariat and the national authorities to harmonize the generation of data and information in order to have a consolidated, comprehensive and reliable set of indicators which would be used at a later stage to develop the DPSIR indicator-based State of Environment (SoE) report. To this aim, MED POL will work closely with EEA, MEDSTAT and Blue Plan to harmonize activities and will provide technical and financial assistant to national institutions responsible for the monitoring programmes.

Since the last updating of Pollution Hot Spots report was performed in 2003, an additional update will be made in cooperation with national authorities in view of the additional information provided by the BBs and the NAPs.

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Assessment of the implementation of the Protocols				
Art. 12 of the Convention and art. 8 of LBS protocol	Assistance to countries for the formulation/ implementation of national monitoring programmes including health-related monitoring	National and regional databases	CPs in cooperation with MED POL	Number of NMPs and agreements signed; amount of data generated	
SAP and MED POL Phase IV	Monitoring of loads	Updated methodology and content of NBBs	CPs with MED POL assistance	Number of NBB updated	EU EPER
MED POL Phase IV	Assistance to countries for the formulation/ implementation of eutrophication and biomonitoring programmes	Data and reports on eutrophication and biomonitoring	CPs with MED POL assistance	Amount of data generated	
MED POL Phase IV	Assistance for baseline surveys	Data and reports	CPs with MED POL assistance	Amount of data generated	INTERREG projects
MED POL Phase IV	Development and/or updating of common monitoring and analytical methodologies	Updated monitoring and analytical methodologies document and website	MED POL in cooperation with IAEA	Number of published methodologies	IAEA
MED POL Phase IV	Data Quality Assurance 1) Chemical contaminants 2) Biomonitoring 3) Eutrophication	Good quality data	MED POL with: 1) IAEA 2) Alessandria Univ., Italy 3) QUASIMEME	Results of intercalibration exercises	1) IAEA 2) BEQUALM 3) QUASIMEME
- Recc.CPs Meeting, Catania 2003	Development of Marine Pollution Indicators (MPIs)	Strengthened capacity and capability of the CPs to assess MPIs	MED POL in cooperation with EEA, BP, MedStat and NCs	DPSIR Indicators-based assessment of the state of marine environment	EEA-BP
-SAP	Preparation of an updated report on pollution hot spots	Pollution Hot Spots trends monitored	WHO/MED with the assistance of CPs	Publication of the updated report	

SUB-PROGRAMME 5: USE OF IMPLEMENTATION TOOLS

GOAL: To build the capacity of national authorities for reporting, information gathering, transfer of technology, inspectorate systems and monitoring.

Objectives:

- 1- To make the Phase I of MEDPOL Information system operational
- 2- To develop a mechanism for transfer of technology
- 3- To implement PRTRs
- 4- To ensure proper implementation of monitoring
- 5- To assist countries to strengthen their inspectorate systems

As a result of the close cooperation between MEDPOL and Info/RAC, it is expected that Phase I of the MEDPOL information system will be operational by January 2008. It will comprise two modules: an intranet which would improve the communication between the MAP secretariat staff, the CPs and the stakeholders, and an online reporting system for trends and compliance monitoring. During the biennium 2008-2009 MED POL will continue its cooperation with Info/RAC to review the status of the reporting formats and complete the reporting system with two additional databases; the system to follow up the implementation of NAPs, the national reporting system related to the Protocols and the development of two additional modules, namely the plotting and GIS, will be launched during this biennium.

Facilitating and enhancing the transfer of technology and know-how between Mediterranean Countries is an important tool to ensure the effective implementation of NAPs. In this context, MED POL will launch during the biennium a brainstorming exercise between the NCs, regional experts and stakeholders to identify the elements to be used to develop an efficient mechanism for transfer of technology to be submitted to the CPs for possible adoption.

PRTR is gaining more and more importance as an efficient tool for a proper reporting system for the proper management of industrial pollution at global and regional levels. MED POL will continue to provide, in cooperation with ICS-UNIDO, technical and financial assistance to Egypt to finalize the Phase II of the PRTR project which covers all Mediterranean coastal environment directorates and major industrial sites, to Turkey to expand the PRTR system to cover additional coastal environmental directorates and to Morocco to finalize the Pilot project in Tangiers.

IAEA-MESL will continue to organize training courses related to monitoring. So far the training courses concentrated on the analysis of heavy metals and organics but MED POL will conduct a survey in the countries to determine whether new or additional training courses are required. Clearly, with the implementation of the ecosystem approach, the additional indicators to be measured require an expansion of existing training activities.

Following a request from Syria and Turkey, national training courses on Wastewater Treatment Plants operation and management will be organized. An intercalibration exercise for health related monitoring activities will be organized during the biennium and will be combined with the meeting on the implementation of the approved Guidelines for bathing waters.

Regarding the strengthening of inspectorate systems in the countries, the regular meeting of the network on compliance and enforcement will be held in 2009 with main issue the implementation of compliance and enforcement indicators. It is anticipated that the meeting will suggest further activities to be implemented on indicators. Assistance for technical, institutional and organizational issues will continue to be provided to countries upon request.

The activities related to inspection systems, included in the GEF Strategic Partnership will commence with the expected approval of the project. A preliminary study has shown that the following countries will benefit more from the activities: Albania, Bosnia & Herzegovina, Croatia, Lebanon, Montenegro, Morocco, Syria and Turkey. The duration for the activities in each country is expected to last for one and a half years, while the whole project will last five years to cover all countries. For 2008, the project will start with two countries. The work will include the formulation of plans of action for permitting, compliance and inspection, the training of national inspectorates through workshops and the drafting of amended national legislation in relation to inspection systems. Therefore, an initial meeting to consider the existing legislation will be organized at national level, followed by a national workshop and at the end of the one and a half year period, a final meeting will be held with the aim to propose any amendments to existing legislation.

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Use of implementation tools				
LBS Art. 10	Organization and implementation of capacity building programmes - Training course on Wastewater Treatment Plant Operation and Management	Trained personnel	WHO/MED in cooperation with the CPs	Number of trained people	
MED POL Phase IV	Training courses on the analysis of chemical contaminants	Trained personnel	MED POL in cooperation with IAEA	Number of trained people	
Art 15 of Barcelona Convention	Development of MEDPOL Information System 1) Development of DBs 2) Development of plotting and GIS modules	Intranet and online reporting system for MEDPOL	MEDPOL with cooperation of Info/RAC and NCs	System operational	EMWIS (SEMIDE) EUWI-MED
LBS Art .5,9,10	Establishment of Transfer of technology mechanism	Mechanism for transfer of technology	MEDPOL	Mechanism agreed upon by CPs	CP/RAC
LBS Art 6	Strengthening of Inspectorate systems in all countries; capacity building programme 1) Meeting of network on compliance and enforcement 2) Assistance to countries upon request for strengthening the inspectorate systems	1) Implementation indicators 2) Technical, institutional, organizational and financial assistance upon request	WHO/MED POL in assistance with the CPs WHO/MED POL	1) Development of compliance and enforcement indicators 2) Assistance provided to three countries	GEF
-11 th CP meeting	Launching of PRTR in all countries 1) Finalize phase II of PRTR Egypt 2) Launch Phase II of PRTR Turkey 3) Launch PRTR Morocco in Tangier	Reporting format and data base established	MEDPOL in cooperation with ICS-UNIDO and NCs	PRTR systems operational	EC (EPER) UNECE

SUB-PROGRAMME 6: PHYSICAL ALTERATION AND DESTRUCTION OF HABITAT

GOAL: To reduce the impact on the marine environment of litter and sea water desalination plants

Objectives:

- 1- To prepare a targeted awareness campaign on impacts of desalination plants
- 2- To develop a regional action plan for litter management

The issue of marine litter in the region has two origins: inadequate coastal solid waste management (mostly in the southern and eastern countries) and lack of awareness of sea utilisers such as beach-goers, tourists, maritime traffic, fishermen etc. Therefore, MED POL will continue to provide assistance to the countries to develop a pilot project on coastal litter management in Morocco and Libya and publish and disseminate the mid-term public awareness and education campaign on the management of marine litter (Doc UNEP(DEPI)/MED WG.316/Inf.7). In addition, MED POL with the assistance of regional expert(s) and in coordination with UNEP RS will develop a regional Action Plan for litter management to be submitted to the CPs for possible adoption in 2009.

The need for desalting seawater is becoming more and more pressing in the Mediterranean where water needs are constantly increasing. It is estimated that by the year 2010 water demands in the region will increase by 32% at least for the southern and eastern countries.

Thus, since desalination industry is steadily growing in the Mediterranean region, MED POL, with the cooperation of the European Desalination Society (EDS), will continue to inform the relevant national authorities, specialized private sector, engineers and technicians on the adverse impacts of this activity on the marine environment and to facilitate the implementation of MED POL guidelines for the sound management of sea water desalination plants adopted by the CPs in 2003.

<i>Policy Relevance</i>	<i>Activity</i>	<i>Expected outputs for the biennium 08-09</i>	<i>Responsibility</i>	<i>Indicators of achievements</i>	<i>Related initiatives</i>
	<i>Physical alteration and destruction of habitats</i>				
13 th CP meeting, LBS art. 5	Preparation of targeted awareness campaign on impacts of desalination plants	Awareness campaign	MED POL in cooperation with EDS and NCs	National programmes	European Desalination Society (EDS)
11 th CP meeting, LBS art. 5	Development of a regional strategic action plan for litter management	Action Plan	MED POL with NCs and NGOs	National programmes	UNEP RS GPA NGOs

SUB-PROGRAMME 7: PUBLIC HEALTH

GOAL: To assess and reduce sewage pollution reaching the Mediterranean and to improve the quality of bathing and shellfish-growing waters and reduce health risks from tourist establishments

Objectives:

- 1- To assist countries in the better management and operation of municipal wastewater treatment plants and use of treated water.
- 2- To assist countries in the implementation of monitoring of bathing waters and shellfish-growing areas.

The Mediterranean and its coastal areas constitute the receiving body for a number of wastes generated on the coast and thus the main recreational amenity provided by the sea for local populations as well as millions of tourists who visit the area annually, is seriously threatened. One of the overall objectives of MED POL Phase IV is the assessment of all point sources and loads of pollution reaching the Mediterranean and the magnitude of the problems caused by the effects of contaminants on living and non-living resources, including human health, as well as on amenities and uses of the marine and coastal regions. Therefore, the draft guidelines on coastal bathing waters will be finalized and transmitted to National Coordinators for approval. The Guidelines are expected to provide the input for the preparation of a number of beach profiles in five selected countries, according to the proposed methodology. The implementation of the Guidelines including the beach profiles will be discussed in a consultation meeting to be held during the biennium that will be combined with an intercalibration exercise. A methodology for an action plan related to health risks in tourist establishments will be prepared as well as a review document on the principal health determinants along with the identification of needs.

Taking into consideration that 2008 is the international year of sanitation, a public awareness document describing the situation in the Mediterranean will be prepared. In view of the Millennium development goal for sanitation and the work on river basin management, a list of wastewater treatment plants in cities with more than 2,000 inhabitants discharging in rivers that flow in the Mediterranean, will also be prepared. For the implementation of the guidelines on the reuse of treated wastewater, it is expected that at least five national training courses on the subject will be held, as already some countries have expressed their interest on the subject. The training material will be translated into several languages (as required) to satisfy the needs of the different courses. It must be noted that collaboration with Contracting Parties and in particular MED POL National Coordinators, is of paramount importance as without it the achievement of the activities will be jeopardized.

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Public health				
-LBS Art. 7 MEDPOL Phase IV	- Finalization and approval of Guidelines on bathing waters - Preparation of beach profiles	Twenty beach profiles in five countries	WHO/MED POL with the assistance of Contracting Parties	Number of beach profiles in five countries	WHO
-LBS Art. 7 - MEDPOL Phase IV	- Consultation meeting on guidelines including beach profiles combined with intercalibration exercise	Agreed guidelines on the assessment of bathing waters quality and beach profiles	WHO/MED POL with CPs participation	Guidelines agreed	
-MEDPOL Phase IV	Preparation of an Action plan related to environmental health risks in tourist establishments	Action plan prepared	WHO/MED with the assistance of the CPs	Action plan agreed	WHO
-LBS, Art. 8 and Annex I - SAP	1) Preparation of a public awareness document on waste water treatment and management 2) Preparation of a document on treatment plants discharging in rivers 3) Assistance to countries upon request	1) Document on sanitation prepared 2) Document prepared 3) Technical, organizational, Institutional and financial assistance provided	1) WHO/MED 2) WHO/MED POL with the assistance of NCs 3) WHO/MED on request by CPs	1) Document on sanitation to be widely distributed 2) List of cities discharging to at least ten major rivers 3) Two countries to be assisted	
-SAP	1) Training courses on implementation of guidelines on wastewater reuse 2) Assistance to countries for the reuse of treated wastewaters upon request	1) Five national training courses to be organized 2) Technical, institutional, organisational & financial assistance provided	1) WHO/MED POL in collaboration and cooperation with CPs 2) WHO/MED POL on request of CPs	1) Number of experts trained in five countries 2) Assistance provided at least to two countries	

SUB-PROGRAMME 8: COOPERATION AND INSTITUTIONAL ARRANGEMENTS

GOALS:

- 1- To achieve a wide and solid cooperation with all relevant international, regional and national actors to further improve the results of the MED POL Programme for the benefit of the countries
- 2- To better coordinate the MED POL activities with national authorities

Objectives:

- 1- To maintain and strengthen cooperation with the scientific community
- 2- To maintain and improve cooperation with the relevant UN bodies and Convention Secretariats
- 3- To further cooperation and launch joint activities with RACs
- 4- To consolidate cooperation with EU and EEA
- 5- To ensure participation of NGOs in the MED POL activities
- 6- To further cooperation with GEF, the World Bank, the EIB, FFEM and other relevant international and regional stakeholders
- 7- To maintain close cooperation with national authorities through meetings and contacts

As it was successfully achieved during Phase III, the ongoing work of the Mediterranean scientific community on operational monitoring and observation systems, such as MOON and MED GOOS, will be closely followed up and cooperation will be strengthened.

Cooperation will also continue with WHO and all other UN Agencies/Bodies carrying out work relevant to the various components of MED POL, with global and regional Convention Secretariats and International and Intergovernmental Organizations. In this context a joint workshop with ICES (OSPAR) and HELCOM will be organized in 2009 on biological effects monitoring with an aim of harmonizing methodologies.

Cooperation will also be strengthened with RACs on the basis of their respective competences and in the framework of the implementation of the ecosystem approach. Especially relevant for the Phase IV of MED POL will be an efficient and concrete cooperation with the European Commission in view of the relevance of its initiatives such as the Water Framework Directive, the proposed Marine Strategy Directive and Horizon 2020. .

Close cooperation will be kept with all the relevant regional actors in the field of reporting to facilitate the efforts of those countries with different reporting obligations. In this connection, the successful work initiated with the European Environment Agency (EEA) in the framework of the signed joint work programme, will be continued.

NGOs will continue to play a key role in critically participating in the planning and implementation of the MED POL activities. As appropriate, NGOs will be invited to attend MED POL Meetings and specific partnerships will be established to facilitate the implementation of specific activities at the local level, such as those related to coastal litter management. A constructive role of NGOs is also expected in the long-term

implementation of the NAPs, as they were successfully involved in the formulation of the NAPs in a large number of countries.

Contacts and operational links will be intensified with regional and international donors and banks, such as the World Bank and the European Investment Bank, as their involvement could facilitate the implementation of the NAPs by the countries. As in the past, long-term partnerships will be sought with GEF and FFEM for projects and initiatives that could assist the implementation of the activities of MED POL.

A number of meetings will be organized to facilitate coordination and improvement of the MED POL programme. Specifically, a meeting of MED POL National Coordinators will be organized and a meeting to review the monitoring activities as well as a meeting to review the SAP and the mechanism for the transfer of technology. The development of a sustainable financing mechanism for SAP and the NAPs will be one of the priorities in the biennium.

The MED POL database will be properly managed and data made available for regional assessments.

Finally, MED POL will continue to assist Mediterranean scientists to participate in relevant training courses and meetings.

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Cooperation and Institutional arrangements				
	Joint ICES (OSPAR)/MED POL/HELCOM workshop on biological effects	Harmonization of methods and data reporting	MED POL in cooperation with ICES	Harmonized methodologies	ICES WGBEC, HELCOM
	National MED POL Coordinators meeting	Decisions on MED POL programme	MED POL with the participation of NCs	Programme properly coordinated with national authorities	
	Meeting on SAP, and transfer of technology	Meeting held	MED POL with the participation of CPs	-Implementation of SAP properly followed up -Mechanism for transfer of technology identified	
	Meeting on monitoring activities	Recommendations for improvement of monitoring activities	MED POL with the participation of CPs	Implementation of monitoring activities improved	
	Preparation of a sustainable SAP financing mechanism to be managed by MED POL unit	Mechanism in place	MED POL in cooperation with NCs	Assistance provided to countries to ensure financial sustainability to SAP and NAPs	GEF SP
	Management of MED POL databases	Properly managed database	MED POL in cooperation with Info/RAC	Data and information easily accessible	
	Assistance for training and fellowships	Participation of scientists in training courses and meetings	MED POL in cooperation with NCs	Trained and informed people	

SUB-PROGRAMME 9: STAKEHOLDER INVOLVEMENT AND PUBLIC OUTREACH

GOALS:

- 1- To facilitate the implementation of NAPs at national and local levels
- 2- To improve and widen the knowledge on MED POL activities and achievements

Objectives:

- 1- To facilitate the involvement of national and regional stakeholders including the private sector in the implementation of NAPs.
- 2- To establish a MED POL information system and implement the MAP strategy in relation to the MED POL activities

As , stakeholders have been actively involved in the process of the preparation of NAPs MED POL, in cooperation with Horizon 2020 initiative, GEF and WB as well as the appropriate NGOs, will provide assistance to the national authorities to organize meetings to inform the stakeholders about the status of the implementation of NAPs and promote the involvement of stakeholders in the follow up and evaluation process. In addition MED POL, in close cooperation with CP/RAC, will address the regional associations of industry and business such as ASCAME, EUROCHLOR and other relevant associations to promote the implementation of NAPs in their field of actions. As appropriate, specific partnerships will be established.

MED POL, in cooperation with Info/RAC, will implement the MAP information strategy and a system to increase the visibility of MED POL. In addition MED POL will assist national authorities to prepare national websites on MED POL.

<i>Policy Relevance</i>	<i>Activity</i>	<i>Expected outputs for the biennium 08-09</i>	<i>Responsibility</i>	<i>Indicators of achievements</i>	<i>Related initiatives</i>
	<i>Public outreach and stakeholder involvement</i>				
MED POL IV	Preparation of National Web sites on MED POL activities and achievements	Increasing the visibility of MEDPOL at national level	MEDPOL and NCs	Websites operational	
MED POL IV	Organizations of meetings at national level for stakeholders	Facilitating the implementation of NAPs	MED POL with NCs	Informed stakeholders	

SUB-PROGRAMME 10: ENERGY PRODUCTION AND MARITIME TRANSPORT

GOALS:

- 1- To develop a strategic approach to introduce activities, targets and measures to reduce LBS pollution (sea and air) coming from power stations (energy production) and energy final uses affecting the marine environment
- 2- To identify possible activities of MED POL in relation to environmental effects of maritime transport

Objectives:

- 1- To develop guidelines for the implementation, in an environmental sound manner, of energy efficiency and renewable energy sources policies at national and local level and to prepare a pilot project portfolio.
- 2- To prepare a review of environmental effects of maritime transport

Some initial activities related to energy production and its effects on pollution linked to specific provisions of the SAP are at present ongoing. In particular a study on energy efficiency and impact on the Mediterranean marine environment is being carried out to review energy production in the region and to identify the needed policy and measures to prevent and reduce pollution in the framework of the implementation of the SAP and the NAPs. The results of the study will be presented at a later stage to the Contracting Parties together with specific proposals on activities for review and approval. In the meantime, it is proposed to develop guidelines to facilitate the implementation of renewable energy (RE) and energy efficiency (EE) policies in an environmentally sound manner at national and local level and a pilot project portfolio.

The Pilot Project Portfolio will focus on: a) Deployment of financing sources and mechanisms options for the financial support to implement the SAP related with Energy; b) Transfer EE & RE technology to recipient countries; c) Capacity building related to pilot projects. The Project Portfolio will be prepared within the framework of the Mediterranean Renewable Energy Partnership (MEDREP), a Type II initiative launched by the Italian Ministry for the Environment Land and Sea at the Johannesburg World Summit on Sustainable Development in August 2002. In September 2004, MEDREP was strengthened with the formal establishment of an operational centre, the *Mediterranean Renewable Energy Center (MEDREC)* in Tunisia, as hub for project implementation in North Africa.

MEDREP is working to ensure that regulatory structures encourage the integration of sustainable energy, promote the efficient use of energy, and attract investment to the renewable sources. MEDREP is playing a crucial role in helping countries to create policy frameworks that deliver a sound investment environment and mitigate investment risk. It is in this context that an effort will be made by MED POL to prepare a pilot project portfolio which could fall within the scope of MEDREP.

As far as maritime transport is concerned, during the next biennium a study on the environmental effects of maritime transport will be carried out in cooperation with REMPEC and specific proposals will be made to the Contracting Parties for possible activities to be implemented in the long-term in the framework of Phase IV.

Policy Relevance	Activity	Expected outputs for the biennium 08-09	Responsibility	Indicators of achievements	Related initiatives
	Energy production and maritime transport				
	1) Develop <u>guidelines to</u> implement in an environmental sound manner for marine and coastal ecosystems the EE & RE at National and Local Level 2) To prepare a pilot project portfolio which could fall within the scope of MEDREP.	1) Policy and Measures to implement EE & RE in the Mediterranean (not only CO2 but to reduce pollution at sea and in air). 2) Design a concept and logical framework of EE & RE: a) Create a financial facilities in two target Countries to support the implementation of EE & RE projects; b) Identify the BAT in the selected RE sectors and design the project document/Prepare a bid/call to implement the projects; c) Develop and implement a capacity building programme	1) MED POL in cooperation with CP/RAC and Blue Plan 2) MED POL in cooperation with MEDREP	1) Guidelines prepared 2) Ground prepared for the implementation of pilot projects	1) MEDREP, CP/RAC Blue Plan 2) MEDREP
MED POL IV	To prepare a review of environmental effects of maritime transport	Document prepared	MED POL in cooperation with REMPEC	Possible future activities of MED POL identified	IMO, REMPEC