

INTRODUCTION

Part I

1. Theme I: Governance

1.1 Progress in implementing outputs 1, 2 and 3 of theme Governance

2. Theme IV: Pollution Control

2.1 Progress in implementing outputs 4.1 and 4.2 of theme Pollution control

3. Theme VI: Climate Change

3.1 Progress in implementing output 6.2

Part II

Progress in implementing the 5 year Programme of work relevant to MED POL mandate and work

Annex – Tables on the implementation of the Programme of Work outputs

Tables

Introduction

This progress report provides information on the status of the implementation of the MED POL Programme of work during 2012-2013 biennium as well on the status of implementation of indicative activities and 5 year programme of work with regard to pollution control and assessment. This progress report has two parts and an annex.

Part I presents the main achievements in a concise manner.

Part II provides information on the status of the implementation of the 5 year strategic MAP programme of work relevant to MEDPOL mandate.

The Annex contains the tables providing detailed information on information on the status of implementation and target achievements for MED POL outputs/activities under Themes I, IV and VI of the MAP programme of work.

PART I

Theme I Governance

Output 1.1. Strengthening Institutional Coherence, efficiency and accountability

Status of implementation

Finance and accountability

- MED POL achieved important MTF savings.

Institutional coherence

- The recommendations of the Functional Review on the structure of MED POL fully implemented.

Partnerships

- Partnership and cooperation with EEA, the EU, and the UfM continued in the framework of Horizon 2020 Initiative (MED POL, CP/RAC, INFO/RAC, PB/RAC). (more details below)
- Workshop in Belgium on the World Ocean Assessment's (a.k.a. UN Regular Process) including the Mediterranean. Discussions for a Capacity Building workshop undergoing (UNEP/MAP represented by MED POL).

Resource Mobilization

- Shared Environment Information System (SEIS) in the context of European Neighborhood Policy (ENP) (ENPI/SEIS) Project, funded by EU, 276.000 Euro
- Evaluation of the implementation of the investment component of NAP/SAP, project funded by UfM 200,000 Euro
- Marine litter activities in the framework of Ecosystem approach project funded by the EU, 100 000 Euro. Project not yet operational
- Preparation of the Regional Plan on Marine Litter Management funded by UNEP/GPA 25 000 USD

1.1.1 Personnel issues

Mr. George Kamizoulis, WHO senior scientist retired on 31 March 2012. Mr. Michael Angelides, Programme Officer in charge of monitoring and assessment left UNEP/MAP on 31 October 2012 to join the IAEA/MEL in Monaco. Since their departure both positions remained vacant due to the freezing of vacant posts funded by MTF by the Bureau of the Contracting parties. The MAP FP meeting held on 22-23 April 2013, Athens, Greece, decided to de-freeze the position of Programme Officer responsible for monitoring and assessment at P3 level. Recruitment process has started.

Following the implementation of the Functional Review for MED POL as adopted by COP 17, 2012, the position of Secretary to Programme officer held by Ms. Shelley Farrington was abolished on 1 July 2012.

Since January 2012, the MED POL Programme Assistant, Ms. Nathalie Gomez was put at the disposal of the Coordinating Unit to support the implementation of the programme of work of the Governance Unit.

In the framework of the MedPartnership project executed by MED POL, two new positions were created with GEF funding to support the implementation of MED POL executed activities under this project.

1. *MedPartnership/MED POL Assistant: Ms. Shelley Farrington was appointed in this position since 1 July 2012.*

2. *NAP Sustainability Expert: The position was advertised and expected to be filled by the end of 2013 (in accordance with the MedPartnership Project document).*

1.1.2 MED POL contribution to integration and cooperation within the MAP system

MED POL maintained close working cooperation with all the Coordinating Unit and the RACs in particular with:

- Coordinating Unit in implementation of ECAP roadmap and timeframe
- CP/RAC for the implementation of the Regional Plans related to Art 15 of the LBS Protocol; implementation of the Medpartnership project activities and preparation and implementation of Switch MED project
- INFO/RAC for reactivating the MED POL Information System covering both aspects related to marine state monitoring and pollution sources data
- Blue Plan and INFO/RAC for the implementation of the SEIS project
- CP/RAC, REMPEC and SPA/RAC for the preparation of the draft Regional Plan on Marine Litter management in the framework of Article 15 of the LBS Protocol

1.1.3 Cooperation with global and regional Partners

UN global institutions and programmes

Close contacts were kept with the UNEP Office of DEPI, GPA (Global Programme of Action) and the Regional Seas Programme in Nairobi, for overall guidance and coordination and in particular for the preparation of the marine litter management regional plan and collaborating with the marine litter global partnership. MEDPOL also attended the forth GPA conference held in Manila, Philippine in January 2012. The Manila Declaration is a guidance document for the next 4 years concerning the priorities of the GPA namely marine litter, wastewater, and nutrients.

The long-standing cooperation with WHO in relation to the activities related to the sanitary aspects of the SAP-MED and the LBS Protocol, compliance and enforcement, work has discontinued and expected to be re-dimensioned. The long-standing cooperation with IAEA/MEL in relation to data quality assurance of chemical analyses through training, inter-calibration and scientific visits is ongoing.

Efforts were made to enhance cooperation and exchanges of information with the Basel Convention and Stockholm conventions Secretariat. On the basis of the cooperation agreement signed in 2009 with the Basel Convention, joint activities were continued with the Regional Centre of the Convention in Bratislava in the field of hazardous wastes. The Centre in Bratislava prepared a database of harmonized definitions and characteristics of banned chemicals.

Regional initiatives and programmes

With the adoption of the new Marine Strategy Framework Directive (MSFD) of the European Union (2008/56/EC, 17 June 2008), and the ECAP roadmap by COP 16 in Almeria, 2008, MED POL has contributed to the process of developing monitoring protocols on marine litter, attending the MSFD working groups on GES and MSFD working groups on reporting and monitoring,

UNEP/MAP-MED POL actively participated in the European conference on Marine Litter Prevention and Management held in Berlin 10-12 April 2013 organized by the European Commission and Ministry of Environment of Germany and contributed to the preparation of the Issue paper that was the major Conference paper to trigger the discussions. During this conference, UNEP/MAP led the discussions of the Mediterranean sub group that discussed

and agreed in principle on 10 priority actions required to address marine litter issues in the Mediterranean.

MED POL is member of the Steering committee and advisory board of MARLISCO project funded by EU. MARLISCO' s overarching goal is to raise public awareness, facilitate dialogue and promote co-responsibility among the different actors towards a joint vision for the sustainable management of marine litter across all European seas. MARLICO activities are implemented in the four European Regional Seas: North-East Atlantic, Baltic, Mediterranean and Black Sea, by a consortium with members located in 15 coastal countries. The project will deliver several tools to enhance public participation. The intention is to enhance synergies and ensure that other Mediterranean countries may take advantage of such experiences.

MEDPOL is cooperating closely with UfM Secretariat and EIB with regard to the evaluation of NAP/SAP investment portfolio and H2020 projects.

MED POL is supporting the concerned contracting parties and contributing to the implementation of the Horizon 2020 Initiative that has taken into full account the progress and achievements of the contracting parties with regards to the implementation of the LBS protocol and its related SAP and the NAPs. To implement and monitor H2020 activities three working/steering groups operate to lead the work on:

- [Investments for Pollution Reduction](#) led by EIB
- [Capacity Building](#) (CB) for achieving H2020 objectives led by MIO ECSD
- [Review, Monitoring and](#) Research led by the EEA

MED POL has attended all the meetings held in 2012 and 2013 of the above steering groups, thus trying to align efforts and enhance synergies as appropriate in order to support the implementation of SAP/NAPs and achievement of their targets. As previously reported, the European Investment Bank (EIB) continues working on a number of bankable projects, which are now under implementation or consideration for funding.

Concerning the capacity building component of Horizon 2020, UNEP/MAP-MED POL has contributed to the

- a) preparation of the new programme of work 2014-2018 ensuring the MAP/MEDPOL priorities and country needs were fully taken into account
- b) organization of an ad hoc regional training course in the field of industrial pollution monitoring.
- c) mid-term evaluation of H2020 CB/MEP (2009-2014), launched recently and expected to be completed by mid-September 2013. Its purpose is to assess the performance so far with special emphasis on the relevance and (potential) impact of the programme. It will also identify key lessons learned and propose practical recommendations for follow-up actions, both short-term for the 2nd phase of implementation (2013-2014) and longer-term recommendations that could be addressed in the 2015-2020 period.
- d) H2020 monitoring and assessment through the identification and population of 6 indicators. As a part of a long term process towards the development of a reporting mechanism for measuring progress under the Horizon 2020 Initiative, EEA and MED POL are cooperating to prepare the first assessment report of H2020 progress as called by the road-map of the Cairo declaration.

Output 1.2 Implementation gap filled: Contracting Parties supported in meeting the objectives of BC, protocols and adopted strategies

Major achievements

Legal issues

1. Regional Plans on Mercury, on 10 POPs of the Stockholm Convention and on the BOD from the food sector, became legally binding on 8 October 2012 for the parties to the LBS Protocol
2. Compliance Committee addressed general compliance issues regarding the LBS, Dumping and HW protocols as well as the Regional Plans adopted in the framework of Articles 5 and 15 of the LBS protocol.

Implementation of Ecosystem Approach

3. Substantive inputs in preparing the documents and supporting the meeting of the Correspondence group on pollution and litter cluster (Ecological Objectives 5,9,10 and 11), held in Sarajevo on 29-30 October 2012.

Development of new and revision of existing Strategies and Action Plans

4. SAP/MED and NAPs implementation evaluation substantively progressed.
 - The mid-term NAP/SAP implementation evaluation has three components and implemented and coordinated as a joint effort of three organizations UNEP/MAP-MED POL, UfM and EIB. Tasks were shared based on their respective mandates and comparative advantages.
 - The report on the policy component of NAP/SAP evaluation is presented in document UNEP(DEPI)/WG. 379/6. The intermediary report regarding the evaluation of the investment components of NAPs carried out by UfM is presented in document UNEP (DEPI)WG.379/Inf.9
5. Draft Regional Plan on Marine Litter Management in the framework of Article 15 of LBS Protocol
 - In the spirit of Decision IG 20/9 of COP 17, Paris, France, 2012, the process for preparing the Regional Plan on Marine Litter Management was participatory and several regional and global partners were invited to provide active feedback and contribution (UNEP/GPA, OSPAR, ACCOBAMS, EC, GFCM, MSFD sub group on marine litter, along with the concerned UNEP/MAP components (CP/RAC, REMPEC and SPA/RAC). The consultation meeting was held at UNEP/MAP Secretariat premises in Athens on 26 March 2013 to discuss the first draft prepared by the Secretariat.
 - The draft Regional Plan was reviewed by an Expert meeting nominated by the Contracting Parties on 17-18 May May 2013, Barcelona, Spain.
 - The Review Expert meeting agreed to submit the Draft Regional Plan to the MEDPOL FP meeting in June 2013 for consideration and approval and subsequent transmission to the MAP FP meeting in September 2013. The report of the Review Expert meeting is presented as document UNEP (DEPI) MED WG 379/Inf.3.

Technical Assistance and Capacity building

- Country needs identified and capacities enhanced to implement the regional plans and draft guidelines developed on mercury sites decontamination (MED POL & CP/RAC).

More detailed information on the above outputs is presented in Table 1.2.

Output 1.3 Knowledge and information effectively managed and communicated

Status of implementation

Major publications and awareness raising events

- UNEP/MAP-MED POL contributed to the pollution part of the State of the Mediterranean Marine and Coastal Environment Report (launched in Ankara, Turkey in January 2013).
- Trends of pollution in the Mediterranean, January 2012 (published)
- Temporal and spatial assessment of Hazardous substances in the Mediterranean prepared ready for publication

Information systems

- Beta test of MEDPOL information system successfully completed and the system is fully operational,
- Pollutant sources information system re-activated and its update in process (NBB)
- Purchase in process of a number of software that will enable a better processing of data, modeling and scenarios preparation (EQO/ELV model), (Arc view basic soft ware) (see also the information provided below in section 4.2.1.b)
- Data base for nutrient riverine inputs (see also the information provided below in section 4.2.1.b)

More detailed information on output 1.3 of the programme of work is presented in Table 1.3 of this report.

Theme IV: Pollution Prevention and Control

Output 4.1 Early warning of pollution (spills, dangerous/hazardous substances)

Status of implementation

Pollution assessments

- Assessment of nutrient from rivers finalized, maps produced, publication in process
- Support Mediterranean laboratories with data quality assurance, using the services of the Marine Environmental Studies Laboratory (MESL) and of the International Atomic Energy Agency (IAEA)
- A model of correlation between ELV (Emission Limit Values) and EQS (Environmental Quality Standards) finalized. Software and guidelines under preparation (see also the information provided below in section 4.2.1.b)
- Monitoring data provided by 13 countries: The submitted monitoring data uploaded on the MED POL database
- Six indicators agreed with the EEA and endorsed by the SEIS WG on Indicators to track H2020 progress. Work ongoing to populate the agreed indicators. (in cooperation with EEA and Blue Plan)
- 5 National Workshops held in Egypt, Palestine, Jordan, Tunisia, Algeria, Morocco supporting countries to populate H2020 indicators
- Tracking trends in pollution inputs finalized based on 2003 and 2008 NBB data; summarized fact sheets prepared for 20 contracting parties

Technical Assistance and Capacity building

- Morocco, Algeria, Tunisia and Croatia supported to formulate and implement the trend and compliance national monitoring programmes).

More detailed information on output 4.1 of the programme of work is presented in Table 4.1 of this report.

Output 4.2 Lower levels of pollution in the Mediterranean marine and coastal environments

Status of implementation

- Support to NAP priorities in four industrial sector provided to 4 countries (Algeria, Syria (stopped in 2012), Turkey and Tunisia) (see also explanations provided in section 4.2.1 below.
- Support to NIP implementation in the electricity sector provided to 4 countries (Albania, BH, Egypt and Turkey) to ensure ESM and disposal of PCB in accordance with SAP and Stockholm convention(in cooperation with CP/RAC) (see also explanations provided in section 4.2.1 below.
- PRTR: Support in process to Egypt, Lebanon, Tunisia, Palestine, Algeria; finalized in Turkey ; One national workshop held in Egypt. Other countries in process.
- Guidelines on BEPs for the environmentally sound management of Mercury contaminated sites (in cooperation with CP/RAC) prepared and submitted to MED POL FP meeting.
- Regional Training Workshop on the implementation of Regional Plan on mercury (in cooperation with CP/RAC).
- Identification of BAT and BEP and creation of corresponding database for dairy and textile industrial sectors of Morocco, Tunisia and Egypt (CP/RAC).

- Capacity building on pollution reduction and sustainable management in areas listed in Annex I of LBS Protocol in Bosnia and Herzegovina (food sector), Algeria, Morocco and Tunisia (industrial cities, subregional), Egypt (industrial SMEs) and Israel (industrial effluents) (CP/RAC).
- Regional Seminar on the policy, technical and legal aspects of BOD reduction from Food Sector. (CP/RAC and MED POL in the framework of H2020).

4.2.1 UNEP/MAP MED POL executed activities in the framework of MedPartnership project

The project underwent in 2012-2013 the mid-term evaluation as per GEF procedures. The evaluation report is presented as information document UNEP(DEPI)WG. 379/Inf.5.

The MED POL executed activities were given a higher rate compared to the previous 2 years of project implementation, thus recognizing the efforts made by the concerned countries and MED POL to overcome significant project activities initial delays. It has to be noted that implementation rate is low compared to the overall rate of project implementation. The evaluation report contains a number of recommendations to the concerned countries and MED POL in order to ensure successful project implementation. It also recommended the project extension up to 8 months in particular for MED POL activities. The recommendations of the Evaluation report regarding MED POL executed activities are presented in document UNEP... while the full evaluation report as information document.

The status of implementation of each project activity is presented in Table 4.2. Nevertheless it is important to highlight below some of the expectations regarding the outcome of the national and regional project activities .

The pollution from Land-Based Sources and Activities, including Persistent Organic Pollutants of the MedPartnership project is composed of sets of activities:

- Facilitation of policy and legislation reforms for pollution control – led by MED POL;
 - Environmentally Sound Management of equipment, stocks and wastes containing or contaminated by PCBs in national electricity companies – led by MED POL in collaboration with CP/RAC.

a) National activities with possible regional replication

The policy demonstration projects on NAP priorities are ongoing in Algeria, Turkey, Tunisia, and pending in Syria.

Algeria: Demonstration project on management (recycling and regeneration) of used lubricating

- National plan on lube oil management
- Economic technical study on ex situ and on situ options for lube oil management
- enhanced capacity building; public and decision maker awareness
- Pilot regarding information system/data base

Tunisia: demonstration project on phosphogypsum sludge management from fertilizer industry

- Development of best practices with regard to phosphogypsum sludge management
- Enhanced awareness workshops
- Assessments of the cost of the marine and coastal environmental degradation in particular on the biodiversity and fisheries if the phosphogypsum sludge is discharged directly to the sea

- Upgrade the national marine environment monitoring programme to include the project area

Turkey: The demonstration project on Chromium (Cr) and Biochemical Oxygen Demand (BOD) control in tanneries:

- to improve the legislative and institutional framework for the control of Cr and BOD releases from tanneries in Turkey
- to implement Guidelines on Cr and BOD control in tannery's effluents based on CP/RAC experience.
- to prepare and implement a pilot project on Cr and BOD control in a group of medium size tanneries;

Syria: Demonstration project on management of recycling of lead batteries implemented until 2011.

- In 2012 due to the political situation in Syria, activities have stopped.
- Based on 2 reports already elaborated it is planned to prepare practical guidelines for the ESM of used lead batteries based on the Basel Convention guidelines.

These national activities have good potential for replication and dissemination in other countries where appropriate. The objective is to disseminate such experience to the other countries of the project through a regional workshop and other communication and or capacity building tools.

b) Regional activities

1. Assessment and Data base on nutrient riverine input: The assessment report is presented as information document UNEP(DEPI)WG 379/Inf.6.

- a database and GIS based modeling tool for the assessment of nutrient inputs into the Mediterranean Sea from diffuse sources developed
- a number of recommendations to improve data collection and monitoring with the view to enhancing a better knowledge of pollution in the Mediterranean from diffuse sources were made.

2. ELV/EQO model: Model for establishing a direct relationship between Emission Limit Values and Environmental Quality Standards of marine coastal water (ELV/EQO). The report is presented as information document UNEP(DEPI)WG 379/Inf.7.

- ELV/EQO model developed for nutrients and mercury
- ELV/EQO model web-based software under development
- software application guidelines under preparation for other pollutants

The application of these models is expected to support the environmental authorities with the view to enhance pollution control tools while issuing environmental permits, to better take into account cumulative impacts of emissions from point sources on marine environment. Training workshops will be organized next year for these purposes.

Environmental sound disposal of PCB in four countries: Albania, Egypt, Turkey and Bosnia Herzegovina. The major objective is to introduce environmentally sound management

(ESM) to all stages of the 'life-cycle' of electrical equipment containing or contaminated by PCBs. Major expected results:

- Strengthening PCB national legislative frameworks;
- ESM removing and disposing up to 870 tons of PCBs at demonstration sites;
- Phase out plans for PCBs disposal in energy sector and other industries;
- Increased awareness and technical knowledge on ESM of PCBs.

Detailed information on output 4.2 of the Programme of work is presented in Table 4.2 of this report.

Theme VI Climate change

Output 6.3 - Assess and provide information to reduce adverse environmental impacts of mitigation and adaptation strategies & technologies (e.g. Wind farms, ocean energy, carbon capture and storage)

Status of implementation

- Regional Expert Group on desalination established to assess sector impact in the marine environment and update as appropriate UNEP/MAP/MED POL guidelines on desalination plants (in the framework of the Sustainable Water Integrated Management (SWIM) project)
- Assessment report of Best Available Technologies for Desalination in Rural areas - a tool for decision makers for selecting the most suited technologies that fit their rural settings prepared in the framework of the Sustainable Water Integrated Management (SWIM) project)
- A framework assessment of risks from potential carbon capture and sequestration (CCS) activities in the Mediterranean prepared (led by Gov. of Spain) and submitted to the contact group established for this purpose. Consultation ongoing. The report is submitted to MED POL FP meeting as document UNEP(DEPI)/MED WG.379/9.

More detailed information on output 6.3 of this report is presented in Table 6 of this report.

2012-2013 MED POL short term consultancies with external funding

1. *MED POL/Medpartnership expert: Mr Omer Ozturk (Turkish) was hired in March 2013 to support the implementation of MedPartnership project led by MED POL.*
2. *Mr. Mohamad Kayyal (Syrian) and Ms. Susanna Casanova (Spanish) were hired to undertake an independent evaluation of the status of the implementation of the NAP/SAP based on existing available information and data.*
3. *Mr. Ljubomir Jeftic (Croatian), a well known global and regional expert on marine litter, was hired by UNEP/GPA to support the Secretariat developing the draft Regional Plan.*
4. *Mr. Maurizio Fermiglia (Italian) was recruited to provide expert advice to the concerned Contracting Parties regarding PRTR in the framework of SEIS project.*
5. *Mr. Alex Lascaratos (Greek) was hired to provide expert advice to the concerned Contracting Parties regarding H2020 indicators in the framework of SEIS project*

6. *The Secretariat is recruiting a number of national consultants to support the countries carry out the national activities envisaged in the SEIS project.*
7. *Mr. Dimitris Poursanidis to upload the submitted data in the MED POL monitoring data base (MTF).*

PART II
STATUS OF IMPLEMENTATION OF THE 5 YEAR STRATEGIC MAP PROGRAMME OF WORK RELEVANT TO MED POL MANDATE

Theme I: Governance			
Outcome: Barcelona Convention, protocols, and strategies effectively implemented			
Outputs	Indicative Activities	Achievement up to date (June 2013)	Gaps in outputs
<p><u>Output I</u></p> <p>Strengthening Institutional Coherence, efficiency and accountability</p> <p>Indicators: <i>Satisfaction rate of decision making bodies and partners (quality, timeliness and relevance of MAP's secretariat and components work) surveyed</i></p> <p><i>Planning systems and internal performance evaluation system established</i></p> <p><i>Resources mobilized to implement the 5 year plan</i></p> <p><i>Number of decisions and policies prepared in consultation with partners</i></p> <p><i>% increase of civil society organizations and private sector partnering with MAP</i></p>	<p><i><u>Integrated and more coherent decision making process within UNEP MAP :</u></i></p> <ul style="list-style-type: none"> - MAP and component Focal point meeting better aligned - Streamlined management of horizontal themes - Emerging legal issues such as ABNJ, carbon sequestration addressed - Improved capacity for integrated strategic planning - Joint resource mobilization plan elaborated - 5 year strategic programme further aligned with priorities - Biennial programme of work aligned with 5 yr programme of work - Monitoring and evaluation of 5 and 2 year programmes <p><i><u>Coordinated and strategic relations with partners and donors</u></i></p> <ul style="list-style-type: none"> - NGO/civil society, private sector and academic/research institutions involvement and participation 	<p>MED POL FP meeting held in 2011. The meeting reviewed and transmitted for approval to MAP FP</p> <ul style="list-style-type: none"> • the MED POL programme of work 2010-2011 fully aligned with the 5 year Strategic MAP PW , <p>Preparations ongoing to hold the MEDPOL FP meeting in 2013 to address</p> <ol style="list-style-type: none"> a) progress achieved for the implementation of the 5 year PW and 2012-2013 work programme, b) status of the implementation of the LBS, HW and Dumping Protocols, c) Review the proposed regional plan on marine litter management d) Review the status of implementation of NAP/SAP e) Review of GES and targets on pollution and marine litter cluster, f) Implementation of marine pollution monitoring programmes g) Review of the proposed programme of work for 2014-2105 with regard to pollution control and assessment for submission to the MAP FP meeting. 	

	<p>increased and more strategic - Strengthen cooperation with global and regional cooperation</p>		
<p>Output II Implementation gap filled: Contracting Parties supported in meeting the objectives of BC, protocols and adopted strategies</p> <p>Indicators: <i>No of regional policies guidelines and plans adopted, implemented and funded</i></p> <p><i>A regional strategy on marine litter adopted by 2011</i></p> <p><i>Regional strategy on ships ballast water management adopted by 2011</i></p> <p><i>Number of environmental inspectors per number of facilities</i></p> <p><i>Database and guidelines on illegal hazardous waste movements prepared by 2012</i></p> <p><i>MSSD indicators populated and reported against</i></p> <p><i>Performance and accessibility of the on-line reporting system (reports on-line and accessible on time)</i></p>	<p><u>Regional policies, guidelines and plans necessary for the effective implementation of the BC, protocols and strategies adopted and implemented</u></p> <p>- Legally binding regional plans and programmes LBS (Mercury, food sector, new 7 PoPs, nutrients)</p> <p>- Regional plans for implementing protocols: SPA and Biodiversity, (Revision of SAP BIO), ICZM</p> <p>- Preparation and follow up of the implementation of a marine litter management strategy</p> <p>- Facilitate the countries implementation of the sub-regional plan for combating illegal trans-boundary movements of hazardous waste</p> <p>- Strengthen national systems of inspection to assess compliance to authorizations and regulations</p> <p><u>Countries assisted in mobilizing resources:</u></p> <p>- Identify funding opportunities for Regional and National priorities</p> <p>- Sensitize donors/partners</p> <p>- Develop programmes/projects</p> <p><u>Effective reporting, implementation and compliance:</u></p> <p>- Provision of general and legal advice to contracting parties and</p>	<p>- 3 legally binding Regional Plans and programmes of measures adopted by COP 17 on Mercury, POPs and BOD from food industry</p> <p>- Marine litter strategic framework adopted by COP 17</p> <p>- Bathing water standards adopted by COP 17</p> <p>- Detailed Work Plan to implement the marine litter strategic framework approved by COP 17</p> <p>-The regional plan under Article 15 of the LBS Protocol on marine litter management under preparation</p> <p>-A data base software was developed in cooperation with Bratislava Center of the Basel Convention for the banned chemicals ensuring harmonized definitions with Basel and Stockholm convention.</p> <p>- Workshops held in 2011 with national environmental inspectorates to agree on a set of enforcement indicators with regard to LBS Protocol. Work ongoing to hold another regional workshop to train environmental inspectors on up to date pollution control and assessment tools</p> <p>- H2020/MeHSIP Phase II programme ongoing with contribution from MED POL to prepare and implement investment pollution reduction projects in several countries originated from the NAPs/LBS Protocol</p> <p>-Close cooperation with H2020 and CP RAC to prioritize national needs on capacity building with regard to pollution reduction and implementation of the Regional Plans. An ambitious Work plan set up and approved by EC services</p> <p>-Close cooperation with UfM to assess the status of the investment component of NAP implementation with the view to enhance donor interest and mobilize additional external financial resources</p> <p>-PRTR and H2020 indicators component of the H2020/EEA/SEIS project developed. Implementation ongoing. 300 000 additional Euros mobilized for this purpose.</p> <p>-ASEP project for the Adriatic countries prepared in cooperation with MedPartnership PMU to address pollution from LBS and monitoring as per ECAP timeframe requirements</p>	

	<p>components</p> <ul style="list-style-type: none"> - Effectiveness indicators for the implementation of the BC, protocols and strategies 		
<p>Output III Knowledge and information effectively managed and communicated</p> <p>Indicators: <i>Information and communications strategy developed and adopted and implemented</i> <i>State of the environment report published biennially and State of the environment and development report published every 4 years</i> <i>Marine and coastal data made accessible to contracting parties</i> <i>No of policies, reports and publications submitted to stakeholders and public at large and at least 1 symposium per year</i> <i>Functioning InfoMap system</i></p>	<p><u>Strategic use of knowledge and information:</u></p> <ul style="list-style-type: none"> - Policy on assessment of marine and coastal environment developed and implemented - Production of high quality Regional Reports - Effectiveness indicator report disseminated <p><u>Effective knowledge management system (for communication of info generated by MAP components):</u></p> <ul style="list-style-type: none"> -<u>Improving ICT networking</u> - Update and modernise MAP databases towards a Mediterranean shared environmental information system <p><u>Communication, Participation and Education:</u></p> <ul style="list-style-type: none"> - Public consultation on MAP indicators, methodologies, environmental standards, reports 	<ul style="list-style-type: none"> - In depth assessments on the state of marine environment with regard to nutrients and hazardous substances prepared. Related Assessment Methodologies prepared including geographical scales pending agreement by MED POL Focal Points. -4 sub regional reports on marine pollution and pressures prepared in the framework of ecosystem approach in 2011. -Pollution related chapters of the ECAP integrated assessment report prepared -Pollution related chapters of the 2012 State of the marine and coastal environment report preparation fully supervised. With NFO RAC support, the database of the monitoring programme on pollution has been updated for the missing years and operationalized on line. Work is ongoing to establish the same on line system for the pollutant inventory from LBS sources (national baseline budget) 	<p>Further work required to conclude the discussion on assessment including baselines and geographical scale of the indicators /GES and targets of pollution and marine litter cluster under the ECAP.</p>
Theme IV: Pollution Control and Prevention			
Outcome : Land-based and sea-based pollution reduced			
Outputs	Indicative Activities	Achievement up to date (June 2013)	Gaps in outputs
Output I	- Potential pollution sensitive areas and hot spots	-Study to assess state of the art of pollution hotspots and	<i>Several outputs to continue</i>

<p>Early warning of pollution (spills, dangerous/hazardous substances) <i>Indicators:</i> -Maps on pollution sensitive areas and hotspots updated and published every two years -Reports on emerging pollutants requiring special attention produced as required -Trends of pollution levels reported every two years -Updated national monitoring programmes prepared and implemented in all contracting partners by 2014 -Riverine inputs of nutrients assessed and report published by 2013</p>	<p>revised and updated - Scientific baseline studies implemented to identify emerging pollutants - Tracking trends in pollution inputs and levels - Monitoring network of sources, levels and trends of pollution completed, and development of indicators - Assessment of inputs of nutrients from diffuse sources</p>	<p>sensitive areas ongoing. -Updated NBB 2013 launched - Analysis of inventories of pollutants to track pollution reduction progress for submission to MEDPOL FP meeting in 2013 and for publication purposes on going -Assessment of nutrient from rivers finalized, maps produced. The report will be soon published - Support to several countries to formulate and implement the national monitoring programmes provided. Monitoring data provided. -Capacities of the Mediterranean laboratories on biomonitoring enhanced. Related biomonitoring protocols elaborated.</p>	<p><i>in 2014</i></p>
<p>Output II Lower levels of pollution in the Mediterranean marine and coastal environments <i>Indicators:</i> a) Volume of investments in the framework of MeHSIP GEF, SP, bilateral cooperation and national expenditure in hotspot areas b) PRTR projects prepared for at least 4 countries c) Satisfaction questionnaire for managers of personnel trained in waste water treatment d) Number of compliance reports on pollution standards in bathing and shellfish growing waters</p>	<p><i>Reducing the level of pollution from land-based activities:</i> - Support and follow up countries implementation of pollution reduction actions listed in the NAPs through policy reforms and capacity building - Preparation of Pollutant Release and Transfer Mechanism (PRTR) projects in Mediterranean countries - Promotion of sound chemical management - Transfer of technology and policy reforms in relation to the food sector and POPs control - Provide technical assistance to countries for the sound management of waste such as lubeoils, batteries, E-waste, PCBs, Chromium, BOD from tanneries, metals from fertilizers - Capacity building for national and local managers for improving and upgrading the performance of waste water treatment plants - Assessment of compliance to microbial pollution standards in bathing and shellfish growing waters</p>	<p>-Support to 6 countries to address NAP priorities in industrial sector. Work ongoing in Albania, BH, Algeria, Egypt, Turkey and Tunisia for the sound management of waste such as lubeoils, batteries, PCBs, Chromium, BOD from tanneries, metals from fertilizers. -Support to 6 Contracting parties to establish PRTR ongoing in Egypt, Lebanon, Morocco, Tunisia, Palestine, Algeria. The PCB inventory and disposal component of the Medpartnership project ongoing. Important progress achieved taking into account the lengthy procurement procedures for the size of this project (beyond 2, 000 000USD). -PRTR successfully finalized in Turkey -Two training courses on waste water treatment were held in Montenegro and Syria. -Updated assessment report on the wastewater treatment plants of the coastal cities and of those in cities that discharge their effluents in rivers which end up in the Mediterranean. The update includes information and trends between 2003 and 2010, covering cities with</p>	<p>To continue in 2014</p>

- Setting standards for industrial emissions-
- Technical assistance for reducing land-based pollution through the application of Best Available Techniques (BAT), Best Environmental Practices (BEP), Cleaner Production (CP), the IPPC principles and sound chemical management

more than 2000 inhabitants.
- Emission standards for industrial emissions were set through the regional Plans on mercury, and BOD from WWTP and Food sector

PART II
STATUS OF IMPLEMENTATION OF THE 5 YEAR STRATEGIC MAP PROGRAMME OF WORK RELEVANT TO MED POL MANDATE

Theme VI: Climate Change			
Outcome: Mediterranean environment less vulnerable to Climate Change			
Outputs	Indicative Activities	Achievement up to date (Jan 2013)	Gaps in outputs
<p>Output III Assess and provide information to reduce adverse environmental Impacts of mitigation and adaptation strategies & technologies Indicators: <i>-Integration of environmentally sound desalination and waste water re-use assessed</i> <i>-Guidelines provided on how to assess environmental impact for at least 3 technologies</i> <i>-Report on risks of CO₂ sequestration activities</i></p>	<p>- Assessment of environmental impact of CO₂ sequestration - Assessment of coast and marine physical alteration due to mitigation strategies and technologies - Integration of environmentally sound desalination and waste water re-use in IWRM</p>	<p>-Framework Risk assessment report finalized by Spain -MEDPOL is a partner to the SWIM project. - Guidelines on water reuse and desalination are in process of update. The SWIM project is undertaking an assessment of impact of desalination on the marine environment in cooperation with MED POL.</p>	<p>Work to continue in 2014</p>

**ANNEX
TABLE 1.1**

Theme I: Governance		
Output 1.1 Strengthening Institutional Coherence, efficiency and accountability		
<p>5 year Strategic Programme of work Indicators and targets:</p> <ul style="list-style-type: none"> a) <i>Satisfaction rate of decision making bodies and partners (quality, timeliness and relevance of MAP's secretariat and components work) surveyed</i> b) <i>Planning systems and internal performance evaluation system established</i> c) <i>Resources mobilized to implement the five year plan</i> d) <i>Number of decisions and policies prepared in consultation with partners</i> e) <i>% increase of civil society organizations and private sector partnering with MAP</i> 	<p><u>Planned Targets 2012-2013:</u></p> <ul style="list-style-type: none"> a) Satisfaction rate of meetings is above 70% b) 3 large scale project proposal finalized and operational to support key priorities c) At least 2 cooperation agreements are signed with 3 international/regional organizations d) All MAP events organized according to sustainable criteria based on the Sustainable Events Toolkit 	<p><u>Status of target achievement:</u></p> <ul style="list-style-type: none"> a) Not yet evaluated b) 3 projects developed and resources mobilized c) Inputs provided to the draft agreement UNEP/MAP- UfM; several research projects proposals by Mediterranean institutions morally supported d) 2 meetings organized according to sustainable criteria based on the Sustainable Events Toolkit
Status of implementation of activities carried out in 2012- June 2013		Remarks
<p>Activity related renewable energies (CO2 sequestration): With an active contribution from Spain, MED POL started the process for undertaking an assessment with regards to possible impacts of CO2 sequestration in the Mediterranean in the frame work of the Dumping Protocol.</p> <ul style="list-style-type: none"> • Terms of References drafted and shared with the Contracting Parties. • An expert group was established led by Spain. • 7 Parties provided responses to a questionnaire distributed by MED POL. • Draft submitted by Spain and to the expert group 		<p>First discussions to be held at the MEDPOL FP meeting in June 2013</p>

<p>Partnership and cooperation in the framework of H2020 initiative to de-pollute the Mediterranean by 2020</p> <p>The Secretariat in the framework of MED POL Programme continues to follow carefully and contribute to the activities related to H2020 and the projects funded for its implementation. During the period under reporting</p> <p>c) consultation were carried out to tailor a capacity building programme under H2020 in line with UNEP/MAP programme of work regarding pollution control and prevention as well as sustainable consumption and production with a particular focus on the implementation of the regional plans (legally binding measures and programmes) adopted in the framework of Article 15 of the LBS Protocol</p> <p>b) cooperate and contribute to the EIB work to undertake a snapshot of H2020 projects with secured funding with a particular focus on defining a common evaluation methodology</p> <p>d) provide substantive contribution to the work of the EEA for the population of H2020 indicators (reported in a more detailed manner in output 4.1 of this report)</p> <p>c) UNEP/MAP Secretariat through CU, MED POL and or CP/RAC is member to the following bodies of the H2020 initiative and its programmes:</p> <ul style="list-style-type: none"> • H2020 steering committee co led by the UfM Presidency and the EC • Capacity building group led by MIO ECSD • Reserach and Monitoring group led by the EEA • Donor group led by EIB • the management group of the SEIS Project (EEA, EC, UNEP/MAP and Eurostat) • SEIS Project Steering committee • SEIS WG on H20202 indicators 	<p>It is important to enhance UNEP/MAP involvement in the H2020 initiative and its projects at both strategic and operational levels in order to maximize the benefits for the region on key priorities.</p> <p>The SC meeting of the H2020 held at UfM premises in April 2012, addressed the implementation of NAPs and MEDPOL were invited to make a presentation on the status of NAP/SAP implementation.</p> <p>Minutes of SC presented as document UNEP(DEPI)/MED WG. 379/Inf.12.</p>
<p>Partnership with WB on ASEP Programme</p> <p>WB is designing an environmental programme for the Adriatic Sea. The programme is focusing on pollution reduction from land based and sea based sources). MED POL contributed to the identification of pollution related priorities for this Project from UNEP/MAP. Work is ongoing by the CU.</p>	<p>The ASEP programme is expected to be operational early 2013 and contribute to support the Adriatic countries to implement the ecosystem approach.</p>
<p>Cooperation with Basel and Stokholm Convention</p> <p>Contacts were made with the Secretariat of these Conventions in order to enhance the cooperation with them and focus on priorities while preparing the programme of work for the 4 next biennium 2014/2015 taking into account the similarity and common commitments taken by the Mediterranean countries and the EU in the framework of the LBS Protocol and its Regional Plans)/Stockholm Convention as well as the Hazardous Waste Protocol/Basel Convention. Basel and Stockholm conventions, programmes of work, policy and technical</p>	<p>It is important to address the synergies with the relevant global conventions in a strategic manner. This is indispensable in case of the Basel and Stockholm conventions that are very similar with HW protocol and some aspects of the LBS</p>

<p>deliverables as well as reporting systems were reviewed with the view to find ways and means to enhance synergies and avoid duplications.</p>	<p>protocol (mainly the POPs related regional plans)</p>
<p>Global legal instrument on Mercury In January 2013, it was held the last preparatory session of the negotiation regarding a global legal instrument on mercury. The Secretariat through MED POL and CP/RAC has followed the status of negotiation. Several provisions of the draft global instrument are compatible with the provisions of the regional plan on mercury adopted by the last Contracting parties meeting in Paris, February 2012. Nevertheless there are important differences. The secretariat is carrying out a comparative analysis that will be presented to the MED POL Focal Points Meeting.</p>	<p>The Medpol FP are encouraged to attend the conference of plenipotentiaries in September 2013 in Minimata, Japan with the view to support its adoption and make commitment at the global level on this important issue for health and marine environment including in the Mediterranean.</p>
<p>External resources mobilization</p> <ul style="list-style-type: none"> • MED POL has led the work for drafting the concept note of the project proposal on marine litter in the framework of EcAp project (additional 100000 euros). MEDPOL has ensured support from the GPA with regard to marine litter. For the time being only 25000 USD has been mobilized. Other pilot projects on marine litter in the countries may be also funded. • MED POL has drafted and successfully mobilized 280 000 euro for implementing H2020 indicators and PRTR project in the framework of the SEIS project funded by the EU. • MED POL has contributed to the design of WB ASEP programme (for the Adriatic countries) and elaboration of a regional project of capacity building of 3million USD from WB/GEF. 	

TABLE 1.2

Theme I: Governance

Output 1.2

Implementation gap filled: Contracting Parties supported in meeting the objectives of BC, protocols and adopted strategies

<p>5 Year Strategic Programme of work indicators and targets:</p> <ul style="list-style-type: none"> • <i>No of regional policies guidelines and plans adopted, implemented and funded</i> • <i>A regional strategy on marine litter adopted by 2011</i> • <i>Number of environmental inspectors per number of facilities</i> • <i>Database and guidelines on illegal hazardous waste movements prepared by 2012</i> 	<p>Planned Targets 2012-2013</p> <ol style="list-style-type: none"> 1. Minimum of 3 or 4 regional policies/plans/guidelines assessed, updated, or finalized (MSSD, ICZM, SAPBIO, SAPMED) 2. Integrated Monitoring Programme developed 3. At least 12 countries assisted to implement regional policies/plans and guidelines at the national level; including the alignment of their NSSD with MSSD; 4. 4 countries assisted in the implementation of the marine litter strategy 5. 3 Countries assisted for the improvement of the inspection systems 6. 2 pilot projects on marine litter management implemented 	<p>Status of Target 10 achievements</p> <ol style="list-style-type: none"> 1. SAP MED implementation evaluated Integrated 2. Monitoring Programme preparation started but deferred pending CU decision 3. 12 countries assisted to implement the regional Plan on mercury; Several workshops under H2020 to support implementation of the LBS regional plans held 4. Not achieved; Pending mobilization of external financial resources 5. Not achieved due to lack of resources 6. Not achieved due to lack of resources
<p>Status of implementation of activities carried out in 1 January 2012- 30 May 2012</p>	<p>Remarks</p>	
<p>Activity related to NAP/SAP implementation evaluation The process for evaluating the Implementation of SAP/MED and NAPs adopted by the Contracting parties in accordance with Article 5 of the LBS Protocol successfully progressed in a timely manner. ToR prepared focused on a) the evaluation of the investment components of the NAPs prepared in close consultation with the UfM, EC, EIB, b) on the evaluation of policy, legal and capacity building components of the NAP and c) the evaluation of the achievement of the SAP MED priorities and targets. This evaluation is expected to propose recommendations for taking into account the ECAP outcome in updating pollution related regional policies and NAPs where appropriate. The results of the evaluation is shared with MED POL focal points during the process and will be submitted to its meeting for final consideration. The ToRs prepared were published in the UNEP/MAP website. In terms of process, MAP Coordinator sent a letter to MAP and MEDPOL FP informing of this important assignment, the expected outputs, timetable and process. The policy component of the NAP/SAP evaluation is funded in the framework of the Medpartnership project (GEF funding) It is complimented (for the investment component part of the NAPs) with funding from UfM Secretariat.</p>	<p>Concerning the policy component of the NAP/SAP implementation evaluation the deliverables are three major reports: a) SAP MED priorities and targets regional implementation, b) country profiles on policy and technical aspects of NAP implementation and the respective regional synopsis c) NAP country fact sheets (one page per country) Concerning the investment component of the NAP/SAP implementation evaluation the deliverables are 2 major reports: a) NAP investments country reports b) Regional analysis of country reports and a list of priority investment needs to address hotspots c) EIB H2020 project's snapshot</p>	

<p>Activity related to implementation of the Regional Plans (Art 15 of the LBS Protocol)</p> <ul style="list-style-type: none"> • The MED POL team contributed to the preparation by CP/RAC of two project proposals funded by the EC (Switch Mediterranean Policy and Demonstrations). Such projects contain concrete activities that will support the southern Mediterranean countries to implement several provisions of the Regional Plans on POPs, Mercury and BOD from food sector. • In addition as mentioned earlier under cooperation with H2020 Section, special focus was given to design capacity building activities with regard to the Regional Plans related to BOD from the WWTP and food sector. • CP/RAC and MEDPOL team organized the first regional workshop with regard to the regional Plan on mercury on 12-13 December 2012 . The meeting was hosted by the Ministry of the Environment of Spain and held in Almaden, Spain the premises of one of the most important mercury mines currently closed and fully decontaminated. All contracted parties were invited to participate. 15 participants attended the workshop from Italy, Croatia, BH, Italy, Israel, Morocco, Cyprus. For this purpose MEDPOL CP /RAC are preparing the environmentally sound mercury decontamination guidelines for MEDPOL FP review and approval. 	<p>The Switch (Policy component) project started in in January 2013. A SCP expert group was established and one of the tasks is to review the pollution related policies for a better SCP integration. Work is ongoing.</p> <p>The SWITCH demonstration project is a joint project with UNEP/DTIE and UNIDO. The main UNEP/MAP partner is CP/RAC. MEDPOL was involved in designing the priorities as it is important that resources of this project are used to assist countries in implementing the LBS Regional Plans.</p>
<p>Activity related to compliance</p> <p>In accordance with Decision IG/20.1 of the COP 17, Paris, France, 2012 that provides for MAP Component to contribute to the deliverables of the Compliance Committee, the MED POL team has reviewed the reports of 15 Contracting parties with regard to the implementation of Barcelona Convention and its Protocols during the biennium 2008-2009 and identified several general issues of potential non-compliance for discussions with the Coordinating Unit and the Compliance committee, that addressed among others, issues related to compliance with the LBS, Dumping and HW Protocols and the Regional Plans.</p>	<p>The Contracting parties have started to submit on line reports on the implementation of the BC and its protocols dor the biennium 2010-2011.</p> <p>Issues related to implementation of the three protocols are presented in document UNEP(DEPI)WG. 379/</p>
<p>Activity related to marine litter</p> <p>The ToRs for the preparation of the regional plan on marine litter as decided by COP 17 in Paris, 2012 were prepared in June 2013. MEDPOL cooperated with UNEP Regional Seas/GPA for funding this assignment. The first draft regional plan was discussed in a consultation meeting with the other MAP components and other regional partners. The meeting of experts to review the draft regional plan was held in May 2013. The final draft will</p>	<p>CP/RAC, REMPEC, SPA/RAC, Blue plan were fully involved in the process and provided substantive feedback. UNEP NOWA, GPA, EU MSFD Marine litter subgroup, ACCOBAMS also provided substantive feedback to the text and attended the consultation and the review meetings. GFCM also supported the process.</p>

<p>be submitted to the MED POL focal points. Work is ongoing.</p> <p>Following the decision of the Steering Committee of UNEP/EU Strategic Agreement in November 2012,, 100.000 euros were in principle agreed but not yet operational to fund some activities selected in accordance with Decision IG 20/10, from the Strategic framework on marine litter adopted by COP 17.</p>	<p>The marine litter activities will start once the funding would be operational.</p>
<p>Activity related to implementation of ECAP</p> <p>In addition to previous work on this important Programme of work task, the MED POL team prepared the documents for the definition of GES and the setting of targets for the pollution related Ecological Objectives (EO5, 9, 10 and 11). The MEDPOL team led the substantive discussions at the meeting held for this purpose in Sarajevo. BH on 29-30 October 2012.</p>	<p>The work for the preparation of the major elements of the integrated monitoring program in close cooperation with the respective MAP components was expected to start in January 2013. Activity deferred. Pending CU decision.</p>

TABLE 1.3

Theme I: Governance		
Output 1.3 Knowledge and information effectively managed and communicated		
<p>Indicators and targets:</p> <p>a) <i>State of the environment report published biannually and State of the environment and development report published every 4 years</i></p> <p>b) <i>Marine and coastal data made accessible to contracting parties</i></p> <p>c) <i>No of policies, reports and publications submitted to stakeholders and public at large and at least 1 symposium per year</i></p> <p>d) <i>Functioning InfoMap system</i></p>	<p>Planned Targets 2012-2013:</p> <p>a) MED POL node operational and used by countries as of 2012;</p> <p>b) SoMER report issued;</p> <p>c) 3 in-depth sectorial assessment published (pollution, biodiversity, ICZM);</p>	<p>Status of targets achievements:</p> <p>a) MED POL Monitoring information system tested and operational for use by countries as of 2013;</p> <p>b) SoMER report issued; one chapter on marine environment quality and pollutant releases</p> <p>c) Hazardous substances spatial and temporal assessment</p>
Status of implementation of activities carried out in 2012- June 2013		Remarks
<p>Sectorial assessment reports</p> <p>Spatial assessment report</p> <p>Medpol team is cooperating with the EEA to prepare a joint report on the progress of the implementation of the H2020. based on a set of 6 indicators related to waste water, solid waste, nutrient concentration in coastal waters and industrial emissions.</p>		<p>The report is expected to be published by early next year</p>
<p>MED POL Information system regional node</p> <p>The MED POL information system for reporting on line marine monitoring data on pollution was prepared by INFO/RAC. The system was tested by the Contracting Parties. The testing phase was completed by end June 2012. The results of the testing phase were evaluated by MED POL and INFO/RAC. Only 5 contracting parties participated in the testing exercise. The system has become fully operational for upload of monitoring data by the Contracting parties as of January 2013.</p> <p>Preparatory work undertaken with INFO/RAC to ensure an on line system of reporting for NBB 2013 exercise by the Contracting parties. The work to update the respective information system is ongoing and expected to become operational for testing purposes by end September 2013</p>		

<p>State of Environment Report MED POL participated in the preparation of the SoER 2012, by reviewing the document and providing additional information, where required.</p>	<p>The SoER 2012 was launched in January 2013.</p>
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TABLE 4.1

<p align="center">Theme IV: Pollution Prevention and Control</p>	
<p align="center">Output 4.1 Early warning of pollution (spills, dangerous/hazardous substances)</p>	
<p>Indicators and targets:</p> <ol style="list-style-type: none"> 1. <i>Maps on pollution sensitive areas and hotspots updated and published every two years</i> 2. <i>Reports on emerging pollutants requiring special attention produced as required</i> 3. <i>Trends of pollution levels reported every two years</i> 4. <i>Updated national monitoring programmes prepared and implemented in all contracting partners by 2014</i> 5. <i>Riverine inputs of nutrients assessed and report published by 2013</i> 	<p>Targets 2012-2013 :</p> <ul style="list-style-type: none"> - Assessment of pollution status and trend prepared - Adoption of EACs for key pollutants - Quality assured data received from at least 15 countries - Riverine inputs of nutrients assessed <p>Status of targets achievements : All targets achieved with the exception of EAC adoption</p>
<p align="center">Status of outputs implementation 2012- June 2103</p>	<p align="center">Ongoing activities</p>
<p>Pollutant inventories</p> <p>a) a model of correlation between ELV (Emission Limit Values) and EQS (Environmental Quality Standards) developed; software and guidelines for its use under development for a a number of pollutants, policy recommendations prepared.</p> <p>b) NBB 2013 pollutant national budget reporting process has started in cooperation with INFO RAC. Adjustment to MEDPOL system initiated for this purpose. Support to several countries in process. Under the SEIS (Shared Environmental Information Systems) project in cooperation with the EEA, MED POL will link as appropriate the pollutant National Budget, reporting with PRTR reporting.</p> <p>c) Assessment of H200 indicators for Algeria, Egypt, Lebanon, Libya, Israel, Morocco, Syria, Tunisia, Palestine, (nutrient concentration in coastal waters) and a set of 6 industrial emissions indicators). MEDPOL leads the process. Indicator fact sheets developed, workshops held in six countries under UNEP/MAP Blue Plan Coordination. Work on going</p> <p>d) Assessment of the order of magnitude of nutrients from diffuse source finalized by the University of Perpignan, France. It contains the data base, the analysis of some</p>	<p>-EAC determination for key pollutants (mandatory MEDPOL monitoring parameters) will be negotiated during the next biennium.</p> <p>-Updated list of hotspots ongoing. Revised list of hotspots to be submitted to concern countries by late autumn 2013; Maps to reflect hot spot evolution to be delivered end of 2013to COP 18.</p> <p>-Maps to reflect the NBB 2003 and 2008 results under elaboration. expected to be finalized by COP18, 2013</p> <p>-Joint EEA/MEDPOL indicator-based assessment of progress of H2020 implementation in its major pillars waste water, solid waste and industrial pollution ongoing. A first draft by June 2013; a consolidated draft by autumn 2013. This regional report as validated by the H2020 Review, Monitoring and Research sub-group the first H2020 (RMR) Regional Report will consist of 3 main parts: a synthesis, summarising the H2020 priority areas, state of the environment, cross-cutting issues, reflections on policy implications and overarching conclusions; an indicator-based thematic</p>

<p>scenarios model and set of policy recommendations.</p>	<p>assessment using the selected H2020 indicators and a country level assessment compiled on the basis of the information provided by the ENP South countries, which will cover the H2020 priority areas as well as specific country situations.</p>
<p><i>Assistance to countries for the implementation of National Monitoring programmes</i></p> <p>During the biennium 2012-2013, MED POL has received data from the national monitoring programmes of the following countries: Algeria (2011 in word format) Bosnia & Herzegovina (2006, 2007, 2008), Croatia (2009), Cyprus (2007), Egypt (2008, 2009), Israel (2008, 2009,2011,2012), France (2011, 2012) Montenegro (2008, 2009, 2010,2011), Morocco (2008, 2009, 2012), Slovenia (2007, 2008, 2009, 2012), Spain (2006, 2007, 2011, 2012), Tunisia (2008, 2009, 2012) and Turkey (2009, 2010).</p>	<p>Data received have been checked for consistency and the data providers were contacted for clarifications, where appropriate. Efforts are still needed to extend the coverage temporally and geographically and to ensure good quality data.</p>
<p><i>Assistance to countries to improve Data Quality Assurance (DQA) for monitoring</i></p> <p><i>IAEA has provided assistance to countries for DQA.</i> The support to Mediterranean laboratories continued in the improvement of their data quality assurance, using the services of the Marine Environmental Studies Laboratory (MESL) and of the International Atomic Energy Agency (IAEA). Two training courses were and will be organized in Monaco in October 2012 on the analysis of trace elements, and November 2012 on the analysis of organic contaminants in sediment and marine biota. Also, to improve analytical quality assurance of the Mediterranean marine laboratories, which are participating in the national monitoring programmes, MESL/IAEA jointly organized in 2012 two proficiency test for the determination of trace elements and organochlorine pesticides in marine samples (sediment and biota were organized in 2012). The results of the proficiency tests were finalized in 2013.</p>	

TABLE 4.2

Theme IV: Pollution Prevention and Control		
Output 4.2 Lower levels of pollution in the Mediterranean marine and coastal environments		
<i>Indicators and targets:</i>	<u>Planned Targets 2012-2013</u>	<u>Achieved 2012-2013 targets</u>
<ol style="list-style-type: none"> 1. <i>Volume of investments in the framework of MeHSIP GEF, SP, bilateral cooperation and national expenditure in hotspot areas</i> 2. <i>PRTR projects prepared for at least 4 countries</i> 3. <i>Satisfaction questionnaire for managers of personnel trained in waste water treatment</i> 4. <i>Number of compliance reports on pollution standards in bathing and shellfish growing waters</i> 	<ul style="list-style-type: none"> • 2 countries assisted to establish PRTR; • 40 experts trained in operation and management of waste water treatment plants; - 20 compliance reports sent ; • 10 countries supported to mobilize resources for implementing NAPs; 	<ul style="list-style-type: none"> • 5 countries assisted to establish PRTR; • Not implemented due to lack of resources • Pending EIB snap shot and NAP implementation evaluation. Currently support in process for 4 large projects;
Status of implementation of activities carried out in 1 January 2012- 30 May 2012		Remarks
<p><i>Pollution reduction policy adopted related to tanneries (Turkey), phosphogypsum(Tunisa), lube oils(Algeria) and lead batteries(Syria).</i> Policy reform demonstration projects were planned to be implemented in 4 phases. Phase I dealt with state of play analysis; Phases II and III with identification of the needs for policy recommendations and their development including the design of small pilot for their implementation; Phase IV would ensure pilot implementation and holding the final national workshop to conclude on the final results.</p> <p>a) The project in Tunisia due to initial delays is at Phase II. The state of play report was presented in a stakeholders meeting on the 22nd November 2012, and future possible actions discussed. These include the, increase awareness through work-shops and additional assessments to evaluate the cost of the environmental degradation and in particular on the biodiversity and fisheries.</p> <p>B) In Syria the project stopped at phase IV due to country situation. Based on this project experience the Secretariat has started preparing the guidelines for lead batteries ESM guidelines.</p> <p>C) The project in Turkey is in phase IV. Turkey informed the Secretariat that due to other commitments they would like to stop pilot implementation. Preparation for a national workshop are ongoing.</p> <p>D) The demonstration project on management of recycling and regeneration of used lubricating in Algeria is in phase III and IV: In the national workshop in April 2012 more than 40 participants paved the project way forward in establishing an inter-sectorial working group under the direction of the Algerian MAP focal point to lead the work and assist in achieving an enhanced policy framework and its implementation.</p>		<p>-Phase III and IV of projects are ongoing and expected to be finalized in 2014.</p> <p>-The major outcomes of such pilot projects is to ensure improvements in the management of the selected industrial sectors that are very problematic from the environmental point of view as well as undertake concrete actions on the ground.</p> <p>-The respective countries are demonstrating their ownership that is a major factor to ensure timely and successful deliverables.</p>

<p>Disposal of up to 870 tons of PCBs</p> <p>This activity is part of UNEP/MAP GEF Med partnership Project. The project recognized some delays inherited from the previous biennium. It is progressing smoothly due to difficulties for identification of precise quantities of PCB contaminated oils in the concern countries (Albania, BH, Egypt and Turkey). The major objective is to introduce environmentally sound management (ESM) to all stages of the 'life-cycle' of electrical equipment containing or contaminated by PCBs. It will also focus on strengthening legislative frameworks; the removal and disposal up to 870 tons of PCBs at demonstration sites; preparation of phase out plans for PCBs in electrical companies; and increased awareness and technical knowledge on the Environmentally Sound Management (ESM) of PCBs.</p> <p>Project management teams are operational in each country,</p> <ul style="list-style-type: none"> • Equipment needed for the implementation of the project has been evaluated all 4 countries • PCB identification, guidelines prepared and sent to countries • National consultants recruited to support project activities at country level, • Regional expertise mobilized and several missions to respective countries carried out • Tender documentations for purchasing of 12 PCB semi analyzers finalized and current phase of the procurement procedure is carried out by the HQ through UNOPS Tender documentation of selection of the international PCB disposal company finalized and submitted to UNOPS. 	<p>This project involves actions on the ground As such It is imperative that the respective participating countries should play an important role in leading the project at the national level.</p> <p>It is expected that the disposal of the PCB contaminated oil disposal will be done by end of 2013 or early 2014 due to administrative procedures and lack of precise PCB inventories, the finalization of which requested more time that originally planned.</p> <p>In addition to its major positive environmental impact and as this component of MEDPartnership project is one of the largest with substantive budget allocation, its successful deliverable is indispensable for the successful implementation of the whole Medpartnership project and meeting its performance requirement by the donor (GEF is the major donor with MTF of this component). In order to support countries in preparing more detailed inventories, PCBs semi mobile Analyzers are under purchase. Based on this new target values for PCB destruction will be set, to be undertaken in 2014.</p>
<p><i>PRTR prepared in two additional countries</i></p> <p>PRTR Turkey started in 2011, was implemented smoothly and finalized in December 2012. It was a very successful project that was concluded with a national workshop attended by more than 50 people representing the Ministry, environmental inspectorate bodies, the local agencies and industry.</p> <p>Considering the importance of the establishment of national Pollutant Release and Transfer Register (PRTR) systems, MED POL continued to provide technical and financial assistance to several countries such as Turkey, Lebanon, Egypt, Morocco, Algeria, Israel, Tunisia. Most of these pilot projects are funded under the SEIS project that MEDPOL is implementing in cooperation with the EEA.</p>	

<p>Several activities related to beach profile, implementation of Guidelines for environmental health risks in tourist establishments were given low priority due to lack of human and financial resources.</p>	<p><u>These activities were implemented in the past in the framework of MEDPOL/WHO cooperation.</u></p>
<p>Identification and use of opportunities for pollution reduction related loans and grants The major activity envisaged in the UNEP/MAP PW was the recruitment of an environmental economist to undertake cost effective and benefit analysis of NAP implementation. All administrative procedures for this post in MED POL were carried out and request submitted to the HQ. The post at P3 level is funded mainly by GEF in the framework of Medpartnership project with 1/3 MTF contribution.</p>	<p>It is expected to have the environmental economist on board by September 2013 at the latest.</p>
<p>Preparation of scenarios for EQS in relation with ELVs; Training of national experts on modeling This activity is supported mainly Medpartnership project. The work started last year and was concluded in spring 2012. A generalized Model and scenarios were prepared for nitrogen and mercury EQS/ELV relationship. As a follow up the work has started to make this tool accessible to all contracting parties and the large public by preparing a web based software and preparing the necessary guidelines for its application for a representative list of other pollutants. Terms of references finalized. Administrative procedures are ongoing. Hopefully to be procured by September 2013 at the latest.</p>	<p>Pending administrative procedures related to procurement in accordance with UN rules and regulations, this activity is expected to be finalized by end of 2013 or early 2014.</p>
<p>NAPs implementation kept as priority by major donors and financial institutions Four country missions were organized by MeHSIP-PPIF to get first hand information on the state of play of the Horizon 2020 investment projects with secured financing. The missions took place in Egypt, Jordan, Lebanon and Tunisia and are part of the validation exercise undertaken in close coordination with the European Commission, the Union for the Mediterranean Secretariat, the European Investment Bank, UNEP/MAP and the SWIM project. Similar missions to Morocco, Israel and Palestine will be conducted during the next quarter. The UfM secretariat is dealing with the evaluation of the investment portfolio of the NAPs and the new investment needs in view of implementing the Regional plans adopted in the framework of article 15 of the LBS protocol. Missions were carried out in Morocco and planned in Lebanon, Libya and Israel. Work ongoing</p>	<p>Coordination with MED POL FP is essential. Efforts were made to keep MED POLFP fully involved in the process and to some extent leading the process at the country level.</p>

TABLE 6.3

Theme VI: Climate change		
Output 6.3		
Assess and provide information to reduce adverse environmental impacts of mitigation and adaptation strategies & technologies (eg. Wind farms, ocean energy, carbon capture and storage)		
Indicators and targets:	Planned targets 2012-2013:	Status of target achievement
<ul style="list-style-type: none"> - <i>Integration of environmentally sound desalination and waste water re-use assessed</i> - <i>Guidelines provided on how to assess environmental impact for at least 3 technologies</i> - <i>Report on risks of CO2 sequestration activities</i> 	1. Assistance provided to 4 countries for waste water re-use,	Assistance provided to 4 countries for waste water re-use in the framework of SWIM project
Status of implementation of activities carried out in 2012- June 2013		Remarks
<p>6.3.1.1 New desalination plants properly managed</p> <p>As a follow up to the work carried out by the MED POL during previous years on the management of sea water desalination that led to the preparation of an assessment, Guidelines and the decision by the Contracting Parties to consider such activities as industrial activities falling under the provisions of the LBS Protocol, MED POL has established close cooperation with SWIM project to:</p> <ul style="list-style-type: none"> a) To assess potential cumulative environmental impacts of mega desalination plants conglomerating around the Mediterranean in synergy with MED-POL. b) To update of the UNEP/MAP-MED POL guidelines on desalination plants that was adopted in 2003. c) To establish a group of regional experts on desalination. MEDPOL is a member of this regional expert group. The desalination expert meeting was held in June 2012. Work is ongoing d) To Convene a regional Expert Group Meeting in Athens on Potential Cumulative Environmental Impacts of Desalination Plants on the Mediterranean Sea to substantiate and verify the outcomes In synergy with UNEP-MAP, MED-POL, H2020. 		<p>Work ongoing and expected to continue in 2014.</p> <p>As a result of this work a policy paper on desalination will also be elaborated in close cooperation with MEDPOL</p>
<p>6.3.1.2 Water re-use more diffused in the region</p> <p>Activities related to water re-use were given low priority for budgetary reasons. However several activities related to water reuse will be undertaken in the framework of SWIM project to which MED POL is a partner.</p>		<p>Every effort will be made to capitalize on this experience for sharing information on the best practices at Mediterranean level.</p>

Support will be given to southern Mediterranean countries.	
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