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I- Introduction

The 10 Regional Plans and the Criteria and Standards for bathing waters adopted respectively in the framework of Articles 15 and 7 of the LBS Protocol by COP 16, 17 and 18 of the Barcelona Convention and its Protocols further specify and strengthen the 1997 SAP MED targets and commitments with regards to

- a) some industrial pollution sectors (POPs, heavy metals and food industry),
- b) urban development (BOD₅ from WWTP and marine litter).
- c) Improving the state of marine and coastal environment (marine litter and standards on bathing waters)

In addition these legally binding decisions enhance monitoring and reporting requirements.

The detailed list of the Regional Plans and Standards for bathing waters is presented below.

- Elimination of Aldrin, Chlordane, Dieldrin, Endrin, Heptachlor, Mirex and Toxaphene.
- Phasing out of DDT (adopted in 2009)
- Reduction of BOD₅ from urban wastewater (adopted in 2009).
- Reduction of inputs of Mercury (adopted in 2012).
- Reduction of BOD₅ in the food sector (adopted in 2012).
- Phasing out of Hexabromodiphenyl ether, Heptabromodiphenyl ether, Tetrabromodiphenyl ether and Pentabromodiphenyl ether (adopted in 2012).
- Phasing out of Lindane and Endosulfan. (adopted in 2012)
- Phasing out of Perfluorooctane sulfonic acid, its salts and Perfluorooctane sulfonyl fluoride (adopted in 2012).
- Elimination of Alpha hexachlorocyclohexane, Beta hexachlorocyclohexane, Chlordecone, Hexabromobiphenyl, Pentachlorobenzene (adopted in 2012).
- Management of Marine Litter in the Mediterranean (adopted in 2013).
- Criteria and Standards for bathing waters quality in the framework of the implementation of Article 7 of the LBS Protocol (adopted in 2012)

The reporting requirements adopted by Contracting Parties through LBS Regional Plans have been extracted in the following tables. They detail main elements regarding obligations, targets to be achieved, implementation timetable, and reporting frequency. The tables also suggest reporting elements and indicators. The attached tables have been created based on the template discussed for the regional plan on mercury at the June 2013 MED POL FP meeting.

The rationale for preparing the tables presented in this document is to support a thorough discussion by the MEDPOL FP with the view to define the main indicators on the basis of which, they will report on the implementation of the Regional Plans and where appropriate of the implementation of the NAPs with regards in particular to their technical aspects.

It is proposed that once agreed this list of indicators will be added to the LBS protocol reporting format (adopted in 2008, COP 15, 2008, Almeria, Spain) chapter related to the technical aspects of its implementation.

The MED POL FP inputs with regards to Reporting questionnaires/format/indicators related to the regulatory, policy, institutional set up aspects of the implementation of the Regional Plans will be addressed together with the respective parts of the LBS Protocol reporting format the process for amendment of which is going to be led by the CU.

II. Reporting requirements: regional plan on the elimination of Aldrin, Chlordane, Dieldrin, Endrin, Heptachlor, Mirex and Toxaphene

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	No production or use	2011	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import, except for the purpose of their environmental sound disposal.	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2011		National Legal/regulatory acts in force or under preparation. Enforcement actions.
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the POP content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the POP content is low. (c) not permitted to be subjected to disposal operations that may lead to recovery,	Wastes, articles and products upon becoming wastes are managed in an environmentally sound manner.	2013		National Legal/regulatory acts in force or under preparation. Action plans/roadmap for its implementation. Total hazardous waste generated/imported/exported containing POPs.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	recycling, reclamation, direct reuse or alternative uses of POPs; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.				
4	Apply BATs and BEPs for environmentally sound management by using information in Appendix B.		2012	Biannual basis	Action plans/roadmap for its implementation. Technical measures: BAT and BEP put in place or envisaged to ensure compliance with this target.
5	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures.	National monitoring programme on POPs. Monitoring data submitted to the Secretariat.	2011	Biannual basis	National monitoring programme: data on POPs.
6	Identify stockpiles consisting of or containing them	List of stockpiles	30 June 2010		List of stockpiles consisting of or containing POPs, location.

III. Reporting requirements: regional plan on the phasing out of DDT

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	No production or use	2011	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import of DDT and its waste, except for the purpose of their environmental sound disposal or permitted specific exemptions (Appendix A).	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2011		National Legal/regulatory acts in force or under preparation. Enforcement actions.
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the DDT content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the DDT content is low. (c) not permitted to be subjected to disposal operations that may lead to recovery, recycling, reclamation, direct reuse or	Wastes, articles and products upon becoming wastes are managed in an environmentally sound manner.	2013		National Legal/regulatory acts in force or under preparation Action plans/roadmap for its implementation. Total hazardous waste generated/imported/exported containing DDT.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	alternative uses of DDT; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.				
4	Apply BATs and BEPs for environmentally sound management by using information provided in Appendix B.		2012	Biannual basis	Action plans/roadmap for its implementation. Technical measures: BAT and BEP put in place or envisaged to ensure compliance with this target.
5	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures	National monitoring programme on DDT. Monitoring data submitted to the Secretariat.	2011	Biannual basis	National monitoring programme: data on DDT.
6	Identify stockpiles consisting of or containing them	List of stockpiles	30 June 2010		List of stockpiles consisting of or containing DDT, location.

IV. Reporting requirements: regional plan on the reduction of BOD₅ from urban waste

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
1	All agglomerations collect and treat their urban wastewaters before discharging them into the environment.	No discharges of urban wastewater into the environment without previous treatment	2015/2019 ¹	Biannual basis	<p>Legal/regulatory acts issued or under preparation to ensure compliance with the target.</p> <p>Technical measures: best technical knowledge (Appendix I) put in place or envisaged to ensure compliance with the target as appropriate.</p> <p>Share of population with access to an improved sanitation system (total, urban, rural).</p> <p>Volume of wastewater collected, of which volume of wastewater treated.</p> <p>Percentage of the treated wastewater according to the type of treatment (primary, secondary, tertiary).</p>
2	Collecting systems satisfy the requirements set forth in Appendix I.	Urban wastewater treatments in place are in line with requirements in Appendix I			
3	Adopt National BOD ₅ ELVs for urban wastewaters after treatment (i.e. maximum allowable concentration of BOD ₅ to be finally discharged from WWTP to the receiving water environment).	National BOD ₅ ELVs for treated urban wastewaters in accordance with: LBS Protocol Area:		Biannual basis	National BOD ₅ ELVs adopted. Releases of BOD ₅ from municipal WWTP (kg/year).

¹ To be decided by each Party (see measure nr. 6).

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
		BOD ₅ (at 20°C) ≤ 50 mg/l (Secondary treatment) LBS Protocol Area – marine outfalls (ref. Art. 7 LBS Protocol) BOD ₅ (at 20°C) ≤ 200 mg/l (Primary treatment)			
MONITORING AND ENFORCEMENT					
4	Ensure that competent authorities or appropriate bodies monitor releases of BOD ₅ from municipal WWTP to verify compliance with the requirements.	National monitoring plan in place including BOD ₅ . Monitoring data submitted to the Secretariat.	Ongoing	Biannual basis	National monitoring programme: data on BOD ₅ from urban wastewater.
5	The Parties shall take the necessary steps to enforce the above measures.	Enforcement measures in place.	With immediate effect upon entry into force	Biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator. Share of the total number of compliance reports to national standards with respect to the total number of reports.
6	Prepare and communicate to the Secretariat a National Programme of Action, including the adopted deadlines (2015 or 2019).	National Programme of Action submitted to the Secretariat.	180 days upon entry into force		National Programme of Action submitted to the Secretariat.

V. Reporting requirements: regional plan on the reduction of inputs of Mercury

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
1	Prohibit new chlor-alkali plants with Hg cells.	No new plants	Immediate effect upon entry into force Oct. 2012.	On biannual basis	National Legal/regulatory acts in force or under preparation.
2	Prohibit vinyl chloride monomer plant installation using Hg as catalyst.	No new plants	Immediate effect upon entry into force Oct. 2012.		Enforcement actions.
3	Cease Hg releases from chlor-alkali plants.	No Hg releases from chlor-alkali plants	By 2020 at the latest		Number of new chlor-alkali plants with Hg cells.
4	Achieve environmental sound management of mercury from chlor-alkali decommissioned plants.	Mercury is collected and managed in an environmentally sound manner.	On plant decommission		Number of vinyl chloride monomer plants using Hg as catalyst.
	Progressively reduce total Hg releases to air, water and products until chlor-alkali final cessation.	< 1.0 g per metric tone of installed chlorine production capacity Air emission < 0.9 g per metric tone of installed chlorine production capacity	By 2015 (as plants should be closed in 2020 at the latest)		National Legal/regulatory acts issued or under preparation.
					Action plans/roadmap for its implementation.
					Releases of Mercury into air, water and soil (kg/year).
					National Legal/regulatory acts issued or under preparation.
					Action plans/roadmap 2015.
					Monitoring data in the framework of MED POL monitoring programme.
					Releases of Mercury into air, water and soil (kg/year).

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
5	Prohibit re-entry of Hg (into the national market or exported) from decommissioned plants.	No mercury available in the national market or exported from decommissioned plants	On plant decommission	On biannual basis	National Legal/regulatory acts issued or under preparation. Decommissioning plan. Destination of the decommissioned Hg quantities and disposal measures detailed.
6	To set National ELV for industries below:				
	a) Use of mercury catalysts in the manufacture of polyurethane elastomers.	ELV 2015: 50 µg / l effluent ELV 2019 ² 5 µg / l effluent	2015/2019	On biannual basis	Legal/regulatory acts issued or under preparation to ensure compliance with 2015 target. Any action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target. Releases of Mercury into air, water and soil (kg/year).
	b) Acetaldehyde production with mercury-sulphate (HgSO ₄) as catalyst.				
	c) Vinyl acetate production with Hg catalysts.				
	d) Production of the cube (1-aminoanthrachion) colours/pigments with Hg catalyst.				
	e) Use of mercury intermediates for production of other mercury compounds.				
	f) Use of mercury intermediates in the pharmaceutical/chemical				

² This ELV will be considered for revision by 2015.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	industry.				
	g) Manufacture of mercury catalysts.				
	h) Manufacture of organic and non-organic mercury compounds.				
	i) Manufacture of batteries containing mercury.				
	j) Non ferrous industry <ul style="list-style-type: none"> Mercury recovery plants. Extraction and refining of non-ferrous metals. 				
	k) Plants for the treatment of waste.				
7	To set National ELV for incineration plants: Waste gas.	0.05 mg/Nm ³		On biannual basis	Legal/regulatory acts issued or under preparation to ensure compliance with the targets. Releases of Mercury into air, water and soil (kg/year).
8	In other sectors: Take the appropriate measures to reduce the inputs of Mercury emissions and use alternatives as appropriate	Mercury substitution initiatives put in place. Mercury reduction attained		On biannual basis	National legal/regulatory acts issued or under preparation to ensure compliance with the targets. Any action plans/roadmap or other tool to ensure appropriate compliance. Releases of Mercury into air, water and soil (kg/year).

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
9	In mercury containing waste: Take the appropriate measures to isolate and contain the Mercury containing wastes to avoid potential contamination of air, soil or water.	Hg containing wastes are collected and managed in an environmentally sound manner.		On biannual basis	National legal/regulatory acts issued or under preparation to ensure compliance with the target. Releases of Mercury into air, water and soil (kg/year). Total hazardous waste generated/imported/exported containing Hg (Y29).
10	In contaminated sites				
	a) Identify existing sites contaminated with mercury including at least the old mines and decommissioned chlor-alkali plants and submit the list to the Secretariat.	List of sites: - Old mines - Chlor-alkali plants - Other submitted to the Secretariat.	January 2013		List of sites, location, level of pollution.
	b) Take environmentally sound management measures such as safety works, use restrictions or decontamination, as appropriate	Report on the measures envisaged for the environmentally sound management of the identified sites by making use of the approved guidelines on BEPs prepared by the Secretariat.	2015	On biannual basis	Technical measures: BEP put in place or envisaged to ensure compliance with this target for each site.
11	New mines: Prohibit new mines or re-opening of old mercury mining sites	No new or reopened old Hg mines	Immediate effect upon entry into force Oct. 2012.		National legal/regulatory acts issued or under preparation
12	MONITORING AND ENFORCEMENT				
	Ensure that competent authorities or appropriate bodies monitor releases	National monitoring plan in place including Hg.	Ongoing	On biannual basis	National monitoring plan in place:

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	of mercury into water, air and soil to verify compliance with the requirements of the above table	Monitoring data submitted to the Secretariat.			data on Hg.
13	The Parties shall take the necessary steps to enforce the above measures	Enforcement measures in place, mercury releases reduced/phased out and eliminated	With immediate effect upon entry into force	On biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator. Share of the total number of compliance reports to national standards with respect to the total number of reports.

VI. Reporting requirements: regional plan on the reduction of BOD5 in the food sector

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
1	Reduce pollution load by applying BEP and BAT to Industrial Food Plants outlined in Appendix I which discharge more than 4,000 PE into water bodies : a) Dairy industry b) Fruit and vegetable processing c) Breweries d) Winery and Distilleries e) Fish processing industry f) Sugar manufacturing g) Vegetable oil processing h) Canning and preserving i) Meat processing and slaughtering	COD: 160 mg/l TOC: 55 mg/l BOD ₅ : 30 mg/l (24-hour values)	2014 ³	Biannual basis	Legal/regulatory acts issued or under preparation to ensure compliance with the target Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the target as appropriate. Releases of BOD ₅ from food sector (kg/year).
2	In case the food sector installation discharges into the sewerage system : Establish ELV and an authorization compatible with the operation and the emission discharge values of the urban waste water treatment plant	ELV to be defined by competent authority	2014 ³	Biannual basis	BOD ₅ ELVs adopted. Releases of BOD ₅ from food sector (kg/year).
MONITORING AND ENFORCEMENT					
3	Ensure that competent authorities or appropriate bodies monitor releases of BOD5 into water to verify compliance with the requirements	National monitoring plan in place including BOD ₅ Monitoring data submitted to the Secretariat.	Ongoing	Biannual basis	National monitoring programme: data on BOD ₅ from food sector.

³ To be reviewed by 2015.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
4	Take the necessary steps to enforce the above measures	Enforcement measures in place	With immediate effect upon entry into force	Biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator. Share of the total number of compliance reports to national standards with respect to the total number of reports.

VII. Reporting requirements: regional plan on the elimination of Alpha hexachlorocyclohexane; Beta hexachlorocyclohexane; Hexabromobiphenyl; Chlordecone; Pentachlorobenzene; Tetrabromodiphenyl ether and Pentabromodiphenyl ether; Hexabromodiphenyl ether and Heptabromodiphenyl ether; Lindane; Endosulfan, Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	1. HEXABROMODIPHENYL ETHER, HEPTABROMODIPHENYL ETHER, TETRABROMODIPHENYL ETHER and PENTABROMODIPHEYL ETHER				
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	Only production and use for allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation Enforcement actions.
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import, except for the purpose of their environmental sound disposal and allowable uses/exemptions (Appendix A)	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation Enforcement actions.
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the POP content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner	Wastes, articles and products upon becoming wastes are collected and managed in an environmentally sound manner.	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Action plans/roadmap for its implementation. Total hazardous waste generated/imported/exported containing POPs.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	when destruction or irreversible transformation does not represent the environmentally preferable option or the POP content is low. (c) not permitted to be subjected to disposal operations that may lead to recovery, recycling, reclamation, direct reuse or alternative uses of POPs; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.				
4	Apply BEPs for environmentally sound management by using information in Appendix B.			Biannual basis	Action plans/roadmap for its implementation. Technical measures: BEP put in place or envisaged to ensure compliance with this target.
5	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures	National monitoring programme on POPs. Monitoring data submitted to the Secretariat.	Ongoing	Biannual basis	National monitoring programme: data on POPs.
6	Identify stockpiles consisting of or containing them	List of stockpiles	2013	Biannual basis	List of stockpiles consisting of or containing POPs, location.
2. LINDANE and ENDOSULFAN					
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	Only production and use for allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import, except for the purpose of their environmental sound disposal and allowable uses/exemptions (Appendix A)	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the POP content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the POP content is low. (c) not permitted to be subjected to disposal operations that may lead to recovery, recycling, reclamation, direct reuse or alternative uses of POPs; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.	Wastes, articles and products upon becoming wastes are managed in an environmentally sound manner.	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Action plans/roadmap for its implementation. Total hazardous waste generated/imported/exported containing POPs.
4	Apply BEPs for environmentally sound management by using information in Appendix B.	Report on the measures envisaged for the environmentally sound management by making	2013	Biannual basis	Action plans/roadmap for its implementation. Technical measures: BEP put in

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
		use of BEPs			place or envisaged to ensure compliance with this target.
5	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures	National monitoring programme on POPs. Monitoring data submitted to the Secretariat.	Ongoing	Biannual basis	National monitoring programme: data on POPs.
6	Identify stockpiles consisting of or containing them	List of stockpiles	2013	Biannual basis	List of stockpiles consisting of or containing POPs, location.
3. PERFLUOROOCTANE SULFONIC ACID, its SALTS and PERFLUOROOCTANE SULFONYL FLUORIDE					
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	Only production and use for allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import, except for the purpose of their environmental sound disposal and allowable uses/exemptions (Appendix A)	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Enforcement actions.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the POP content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the POP content is low. (c) not permitted to be subjected to disposal operations that may lead to recovery, recycling, reclamation, direct reuse or alternative uses of POPs; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.	Wastes, articles and products upon becoming wastes are managed in an environmentally sound manner.	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Action plans/roadmap for its implementation. Technical measures put in place or envisaged to ensure compliance with the target. Total hazardous waste generated/imported/exported containing POPs.
4	Apply BEPs for environmentally sound management by using information in Appendix B.	Report on the measures envisaged for the environmentally sound management by making use of BEPs	2013	Biannual basis	Action plans/roadmap for its implementation. Action plans/roadmap for implementation of BEPs.
5	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures	National monitoring programme on POPs. Monitoring data submitted to the Secretariat.	2013	Biannual basis	National monitoring programme: data on POPs.
6	Notify the Secretariat of the intention to	Notification submitted to	2013	Biannual basis	Notification to Secretariat on the

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	produce and/or use them for acceptable purposes	the Secretariat on the intention to produce or use PFOS, its salts and PFOSF.			intention to produce or use PFOS, its salts and PFOSF.
7	For such acceptable purposes, take into account guidance on BATs and BEPs in Appendix B.	Report on the measures envisaged for making use of BATs and BEPs	2013	Biannual basis	Action plans/roadmap for its implementation. Technical measures: BAT and BEP put in place or envisaged to ensure compliance with this target.
8	Report on progress made to eliminate PFOS, its salts and PFOSF and submit information on such progress to the Conference of the Parties	Report on the measures envisaged for the elimination of PFOS, its salts and PFOSF	2013	Biannual basis	Report submitted to the Secretariat.
9	Encourage: (i) Action to phase out uses when suitable alternatives substances or methods are available; (ii) Promote research on and development of safe alternative chemical and non-chemical products and processes, methods and strategies for Parties using these chemicals, relevant to the conditions of those Parties; (iii) Synergy with the work carried out under the Stockholm convention based on available scientific, technical, environmental and economic information.	PFOS, its salts and PFOSF substitution initiatives put in place.	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Action plans/roadmap for the substitution of PFOS, its salts and PFOSF.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
10	Inform the Secretariat of other uses of these chemicals of which countries are not presently aware.		2013	Biannual basis	Report submitted to the Secretariat
11	Identify stockpiles consisting of or containing them	List of stockpiles	2013	Biannual basis	List of stockpiles consisting of or containing POPs, location.
4. Alpha hexachlorocyclohexane, Beta hexachlorocyclohexane, Chlordecone, Hexabromobiphenyl, Pentachlorobenzene					
1	Prohibit and/or take legal and administrative measures necessary to eliminate the production and use, subject to the provisions of Appendix A	Only production and use for allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation Enforcement actions
2	Prohibit and/or take legal and administrative measures necessary to eliminate any export or import, except for the purpose of their environmental sound disposal and allowable uses/exemptions (Appendix A)	Only export or import for environmental sound disposal and allowable uses/exemptions (Appendix A)	2013	Biannual basis	National Legal/regulatory acts in force or under preparation Enforcement actions
3	Take appropriate measures so that wastes, including products and articles upon becoming wastes, are (a) handled, collected, transported and stored in an environmentally sound manner; (b) disposed of in such a way that the POP content is destroyed or irreversibly transformed or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the POP content is low. (c) not permitted to be subjected to disposal operations that may lead to	Wastes, articles and products upon becoming wastes are managed in an environmentally sound manner.	2013	Biannual basis	National Legal/regulatory acts in force or under preparation. Action plans/roadmap for its implementation. Total hazardous waste generated/imported/exported containing POPs.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	recovery, recycling, reclamation, direct reuse or alternative uses of POPs; and (d) not transported across international boundaries without taking into account relevant international rules, standards and guidelines.				
4	Apply BATs and BEPs for their environmentally sound management, by using information in Appendix B.	Report on the measures envisaged for their environmentally sound management by making use of BATs and BEPs	2013	Biannual basis	Action plans/roadmap for its implementation. Technical measures: BAT and BEP put in place or envisaged to ensure compliance with this target.
5	Take measures to reduce and ultimately eliminate the total releases derived from anthropogenic releases of Pentachlorobenzene taking into consideration the Guidelines on BAT and BEP and new progresses on this issue.	Pentachlorobenzene anthropogenic releases reduction attained		Biannual basis	Action plans/roadmap for its implementation. Technical measures: BAT and BEP put in place or envisaged to ensure compliance with this target. Releases of pentachlorobenzene into air, water and soil (kg/year).
6	Ensure that competent authorities or appropriate bodies monitor the implementation of the measures	National monitoring programme on POPs. Monitoring data submitted to the Secretariat.	Ongoing	Biannual basis	National monitoring programme: data on POPs.
7	Identify stockpiles consisting of or containing them	List of stockpiles	2013		List of stockpiles consisting of or containing POPs, location.

VIII. Reporting requirements: regional plan on Marine Litter Management

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
PREVENTION OF MARINE LITTER - LAND BASED SOURCES					
1	<p>Integrate marine litter into the LBS NAP to be updated. The LBS NAP shall include:</p> <ul style="list-style-type: none"> (a) Development and implementation of policy, legal instruments and institutional arrangements for solid waste. (b) Monitoring and assessment programmes for marine litter. (c) Measures to prevent and reduce marine litter. (d) Programmes of removal and environmentally sound disposal of existing marine litter. (e) Awareness raising and education programmes. 	NAP updated with marine litter provisions integrated.	2015	Biannual basis	National action plans and programmes containing measures and timetables for their implementation
2	Apply the waste hierarchy as a priority order in solid waste prevention and management legislation and policy: prevention, preparing for re-use, recycling, other recovery, e.g. energy recovery and environmentally sound disposal.	Solid waste hierarchy applied	2025	Biannual basis	Legal/regulatory acts issued or under preparation to ensure compliance with the target.
3	Implement adequate waste reducing/reusing/recycling measures in order to reduce the fraction of plastic	Reduction of plastic packaging waste that goes to final disposal.	2019		Technical measures put in place or envisaged to ensure compliance with the target

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	packaging waste that goes to landfill or incineration without energy recovery				Municipal waste generation (kg per capita per year).
4	<p>Implement to the extent possible prevention measures related to:</p> <p>(a) Extended Producer Responsibility strategy;</p> <p>(b) Sustainable Procurement Policies;</p> <p>(c) Establishment of voluntary agreements with retailers and supermarkets to set an objective of reduction of plastic bags consumption;</p> <p>(d) Fiscal and economic instruments to promote the reduction of plastic bag consumption;</p> <p>(e) Establishment of Deposits, Return and Restoration System for expandable polystyrene boxes in the fishing sector;</p> <p>(f) Establish Deposits, Return and Restoration System for beverage packaging; and</p> <p>(g) Establish procedures and manufacturing methodologies together with plastic industry, in order to minimize the decomposition characteristics of plastic.</p>	Reduction of solid waste	2017		<p>Share of recycled, landfilled and incinerated municipal waste with respect to collected amount (%).</p> <p>Share of generated municipal waste per waste composition category (%):</p> <ul style="list-style-type: none"> • Paper, paperboard • Textiles • Plastics • Glass • Metals • Other inorganic material • Organic material
5	Establish as appropriate adequate urban sewer, wastewater treatment plants, and waste management systems to prevent run-off and riverine inputs of litter	Urban sewer, wastewater treatment plants and waste management systems in place	2020	Biannual basis	Legal/regulatory acts issued or under preparation to ensure compliance with the target.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
					<p>Action plans/roadmap for its implementation.</p> <p>Technical measures put in place or envisaged to ensure compliance with the target</p> <p>Volume of wastewater collected, of which volume of wastewater treated.</p>
PREVENTION OF MARINE LITTER - SEA BASED SOURCES					
6	Explore and implement to the extent possible, ways and means to charge reasonable cost for the use of port reception facilities.	Initiatives on charging cost for the use of port reception facilities.	2017	Biannual basis	<p>Action plans/roadmap for its implementation.</p> <p>Technical measures put in place or envisaged to ensure compliance with the target.</p> <p>Amounts of marine litter washed ashore and/or deposited on coastlines, including analysis of its composition, spatial distribution and, where possible, source.</p> <p>Amounts of marine litter items in the water column (including floating at the surface) and deposited on the seafloor, including analysis of its composition, spatial distribution and,</p>
7	Explore and implement to the extent possible the “Fishing for Litter” environmentally sound practices	Initiatives on “Fishing for Litter” environmentally sound practices	2017		
8	Explore and implement to the extent possible the “Gear marking to indicate ownership” concept and ‘reduced ghost catches through the use of environmental neutral upon degradation of nets, pots and traps concept’,	Initiatives on “Gear marking to indicate ownership” concept and ‘reduced ghost catches through the use of environmental neutral upon degradation of nets, pots and traps concept’	2017		
9	Apply the cost effective measures to prevent any marine littering from dredging activities	No marine littering from dredging activities	2020		

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
					where possible, source. Amounts of marine litter ingested by or entangling marine organisms, especially mammals, marine birds and turtles, and, where possible, composition (e.g. stomach analysis).
10	Close to the extent possible the existing illegal dump sites on land in the area of the application of the Regional Plan	Illegal dump sites closed	2020	Biannual basis	Technical measures put in place or envisaged to ensure compliance with the target. Number of open dump sites/controlled landfills. Location of landfills (open dump sites and controlled landfills). Share of existing illegal solid waste dumpsites on land that have been closed with respect to the total number.
11	Take enforcement measures to combat dumping in accordance with national and regional legislation including littering on the beach, illegal sewage disposal in the sea, the coastal zone and rivers in the area of the application of the Regional Plan.	No dumping		Biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator. Share of the total number of compliance reports to national standards with respect to the total number

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
					of reports.
REMOVING EXISTING MARINE LITTER AND ITS ENVIRONMENTALLY SOUND DISPOSAL					
12	Explore and implement to the extent possible the following measures: (a) Identify accumulations/hotspots of marine litter and implement national programmes on their regular removal and sound disposal; (b) Implement National Marine Litter Cleanup Campaigns on a regular basis; (c) Participate in International Coastal Cleanup Campaigns and Programmes; (d) Apply as appropriate Adopt-a-Beach or similar practices and enhance public participation role with regard to marine litter management; (e) Apply Fishing for Litter in an environmentally sound practicesmanner; and (f) Charge reasonable costs for the use of port reception facilities or, when applicable apply No-Special-Fee system.	Removal of existing marine litter	2019	Biannual basis	Action plans/roadmap for its implementation. Technical measures put in place or envisaged to ensure compliance with the target List of hotspots of marine litter
ASSESSMENT OF MARINE LITTER IN THE MEDITERRANEAN					
13	Assess in the framework of ecosystem approach the state of marine litter, the impact of marine litter on the marine and coastal environment and human health	Assessment on marine litter submitted to the Secretariat.	Two years after entry into force ⁴	Biannual basis	Assessment of marine litter based on common agreed methodologies, national monitoring programmes and

⁴ Assessment of marine litter in the Mediterranean.

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
	as well as the socio-economic aspects of marine litter management.				surveys.
MONITORING, IMPLEMENTATION AND ENFORCEMENT					
14	Design National Monitoring Programme on Marine Litter as part of the integrated regional monitoring programme based on ecosystem approach.	National monitoring programme on marine litter	2017	Biannual basis	National monitoring programme on marine litter: data on marine litter.
15	Support to implementation: (a) Cooperate in marine litter issues requiring further research. (b) Undertake, in synergy with existing initiatives, public awareness and education activities with regard to marine litter management. (c) Encourage involvement of stakeholders as appropriate. (d) Cooperate in trans-boundary marine litter cases.	Implementation measures in place		Biannual basis	Action plans/roadmap for the implementation of the regional plan regarding research, public awareness, involvement of stakeholders and cooperation.
16	The Parties shall take the necessary steps to enforce the above measures.	Enforcement measures in place	With immediate effect upon entry into force	Biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator. Share of the total number of compliance reports to national standards with respect to the total number of reports.

IX. Reporting requirements: Criteria and Standards for bathing waters quality

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators															
1	<p>Ensure the implementation of the criteria and standards for bathing waters in the Mediterranean region:</p> <p>Microbial Water Quality Assessment Category (based on Intestinal enterococci (cfu/100 mL))</p> <table border="1" data-bbox="219 603 1016 874"> <thead> <tr> <th>Category</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>Limit values</td> <td><100*</td> <td>101-200*</td> <td>185</td> <td>>185</td> </tr> <tr> <td>Water quality</td> <td>Excellent quality</td> <td>Good quality</td> <td>Sufficient</td> <td>Poor quality/ Immediate Action</td> </tr> </tbody> </table> <p>Minimum sampling frequency: at least one per month and not less than four in a bathing period including an initial one prior to the start of the bathing period.</p>	Category	A	B	C	D	Limit values	<100*	101-200*	185	>185	Water quality	Excellent quality	Good quality	Sufficient	Poor quality/ Immediate Action	<p>All bathing waters categorized A, B, C or D.</p>	<p>2016</p>	<p>Biannual basis</p>	<p>Legal/regulatory acts issued or under preparation to ensure compliance with the target.</p> <p>Action plans/roadmap for its implementation.</p> <p>Technical measures put in place or envisaged to ensure compliance with the target as appropriate.</p> <p>Monitoring data on bathing waters quality</p>
Category	A	B	C	D																
Limit values	<100*	101-200*	185	>185																
Water quality	Excellent quality	Good quality	Sufficient	Poor quality/ Immediate Action																
2	<p>Establish beach profile for each bathing water</p>	<p>Standardized format displayed for public information on the beach including above category.</p>	<p>2016</p>	<p>Biannual basis</p>	<p>Legal/regulatory acts issued or under preparation to ensure compliance with the target.</p> <p>Action plans/roadmap for</p>															

	Measure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators
					its implementation. Technical measures put in place or envisaged to ensure compliance with the target as appropriate.