



**PARTNERS IN IMPLEMENTING THE GPA**  
***REGIONAL SEAS***

**UNITED NATIONS ENVIRONMENT PROGRAMME**  
**GPA COORDINATION OFFICE**  
Issue 1.2, December 1999

**Note:** This booklet was prepared by the Coordination Office of the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities of the United Nations Environment Programme under Project FP/ GN/GP/I 100-98-11, with contributions from the Governments of the United States of America and the Netherlands through the General Trust Fund, for which UNEP expresses its thanks.

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The Global Programme of Action for the Protection of the Marine Environment from Land-based Activities  
GPA Coordination Office  
P.O. Box 16227  
2500 BE The Hague  
Visiting address: Anna Paulownastraat 1, The Hague  
Email: [gpa@unep.nl](mailto:gpa@unep.nl)  
Web-site: <http://www.gpa.unep.org>

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For bibliography purposes this document may be cited as:

UNEP: Partners in Implementing the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities: Regional Seas. UNEP/ GPA Coordination Office, issue 1, September 1999.

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## **PREFACE**

This booklet contains a first compilation of how regional seas contribute to the implementation of the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA). It is the first issue in a bi-annual series aimed at providing a comprehensive overview of progress in the implementation of the GPA by regional seas, international governmental and non-governmental organisations as well as governments and the private sector. In this issue, special attention is given to the regional seas programmes and agreements, which has been identified by Governments as the main regional framework for delivery of the GPA. The present compilation was edited by the GPA Coordination Office on the basis of the contributions received. The GPA Coordination Office is solely responsible for the content of this booklet.

The GPA is a result of years of work by Governments, international and non-governmental organisations and built upon their experience. It was officially adopted in Washington D.C., USA, in 1995 by 108 Governments and the European Commission as a comprehensive programme devoted to the protection and conservation of the marine environment from the adverse impacts of land-based activities. The GPA is designed to be a source of conceptual and practical guidance to be drawn upon by national and/or regional authorities in devising and implementing sustained action to prevent, reduce, control and/or eliminate marine degradation from land-based activities.

As countries seek more socially viable forms of development, the participation of the private sector and other stakeholders go hand-in-hand with the GPA aims of integrating protection of the marine environment into relevant environmental, social and economic development policies. Participation of local communities, in the broadest sense, is progressively being recognised as one important condition for the conservation and sustainability of coastal and marine resources. Attention to their efforts in implementing the GPA will thus be given in the next issues of this booklet.

The implementation of the GPA requires new approaches and new forms of partnerships among Governments, international, non-governmental organisations and the private sector. As Secretariat of the GPA, UNEP was assigned the task to lead the coordination efforts required to set in motion the Programme's activities and oversee its implementation. By sharing information on how partners implement the GPA, the UNEP/GPA Coordination Office, established in The Hague, The Netherlands, and fully operational since mid 1999, hopes to promote concrete actions to address land-based activities.

Recognising that this first attempt contains only selected and limited information, we call upon our partners to provide updated information on their progress in implementing the GPA. This first overview will be updated and expanded every six months as we receive more information on progress in programmes, activities, workplans and projects, executed in support of the GPA. The GPA clearing-house web site (at <http://www.gpa.unep.org>) will provide the most current source of up-to-date information on GPA partners and their activities. The updated text of this overview can also be viewed, downloaded or printed directly from the web site.

This booklet is published for the occasion of the United Nations General Assembly Special Session on the Barbados Action Programme on Small Island Development States.

Many individuals and organisations contributed to this booklet with information and support, for which the GPA Coordination Office expresses its appreciation for their interest and help.

## **REGIONAL SEAS**

## **Regional Seas**

The implementation of the GPA is primarily the task of Governments, in close cooperation with all stakeholders including local communities, public organizations and the private sector. The GPA identifies the Regional Seas Programme of UNEP as an appropriate framework for delivery of the GPA at the regional level.

The Regional Seas Programme was initiated by UNEP in 1974 as a global programme implemented through regional components. Since then, the Governing Council of UNEP has repeatedly endorsed a regional approach to the control of marine pollution and the management of marine and coastal resources and has requested the development of regional actions plans.

The UNEP Regional Seas Programme at present includes 13 regions and has over 140 coastal States and Territories participating in it. In addition, there are three non-UNEP regional seas (Arctic, OSPAR for the North-East Atlantic, and HELCOM for the Baltic). All these programmes are conceived as action-oriented being concerned not only with the consequences but also for the causes of environmental degradation, encompassing comprehensive approaches to combating such problems through the sound management of marine and coastal areas. Each regional action plan is formulated according to the needs of the region as perceived by the Governments concerned. The action plans promote the parallel development of regional legal framework agreements and of action-oriented programme activities.

## **Explanatory notes to the overview tables 1 and 2 on implementation of the GPA by Regional Seas**

Policy setting is a widely used tool when developing integrated policies, such as Integrated Coastal Management. The process of policy setting for integrated environmental management is cyclic, evolves in time and can be described in a number of phases. Each cycle addresses problem identification, planning, implementation, and evaluation. Each of these phases in the cycle can be subdivided in a number of different steps. The following two tables give an overview of the status of implementation in the 16 regional seas of each of these policy steps. The first table deals with the first two phases, i.e. problem identification and planning. In addition, it provides specific information relating to the legal status of regional seas agreements. The second table deals with national implementation and evaluation of programmes on land-based activities, whereby two additional elements are mentioned: identification of needs for support and the identification of opportunities to support the implementation of the GPA.

### ***Terminology:***

TABLE 1: Progress in addressing land-based activities (LBA) by Regional Seas

#### **1. Problem identification**

Monitoring: collection of data and information on land-based activities and their impact on the coastal and marine environment.

Assessment: the process of compiling, integrating and analyzing information including economic, social and institutional information, emanating from monitoring and inventory activities.

#### **2. Planning**

Regional Programmes of Action on LBA: Regional accepted strategies, by Governments, which define regional priorities and actions related to land-based activities

National Programmes of Action on LBA: Translation of the Regional Programmes on LBA into a national strategy, action plan or programme.

### 3. Regulatory Framework

Voluntary Codes: codes of conducts, guidelines, incentives

Regional Conventions: legally binding regional agreements

Protocol on LBA: legally binding agreement or annex to the regional convention specifically addressing land-based activities.

TABLE 2: Status of regional and national programmes on land-based activities, and identification of needs and opportunities

**4. Identification of needs**: needs for support to programme implementation, both inside and outside the region

**5. Identification of opportunities**: new and existing socio-economic developments that offer opportunities to forward the implementation of the GPA (such as tourism, mariculture, harbors, integrated coastal/freshwater management approaches, public/private partnerships, etc)

**6. Implementation, including operation and maintenance** (mainly at national level)

Management instruments:

*Regulation/legislation*: national and local laws, standards, permits

*Economic/financial instruments*: taxes, subsidies, domestic funding, public/private partnerships

Structural/operational measures:

*Infrastructural projects*: sewage treatment plants, land-use plans, upgrading of industrial machinery

*Cleaner production/best practices*: Best Available Technology, best management practices for environmental enhancement of industries (waste water reduction, energy efficiency)

Institutional arrangements:

*Institutions*: the structure of governmental and non-governmental organisations, which provide the institutional mechanisms responsible for and are capable of developing and implementing management programmes and plans

*Capacity building*: including training workshops, environmental education, conferences

*Awareness/public participation*: information dissemination, consultation with the public, involvement of NGO's

**7. Evaluation**: the extent to which programme implementation has accomplished its aims and objectives, the lessons learned and the identification of changes required to initiate a new programme. Evaluating accomplishments and shortcomings should be seen as vital feedback for any new monitoring and assessment.

### Explanatory notes to the Regional Seas fact sheets

When addressing land-based activities, a possible process is a phased approach whereby the legal framework follows an extensive planning phase. However, it is recognized that this process may not necessarily be followed in that order at a regional level. For instance, the development of a regional action programme on land-based activities may at times occur *after* the adoption/entry-into-force of a legally binding regional protocol on land-based activities rather than before. In this scenario, the development of a regional programme of action can be seen as an implementation tool, rather than serving as a planning tool for the adoption of a legal framework on land-based activities. The information for each of the Regional Seas fact sheets tries to reflect the above processes. After general information on a Convention or Action Plan, the second part of the fact sheet deal with information relevant to **Land-based Activities** only.

**TABLE 1: Progress in addressing land-based activities (LBA) by Regional Seas**

REGIONAL SEA	Problem identification		Planning		Regional regulatory framework		
	Monitoring	LBA Assessment	Regional Programmes on LBA	National Programme on LBA	Voluntary Codes	Regional Convention	Protocol on LBA
1. BLACK SEA						✓	✓
2. CARIBBEAN						✓	
3. EAST ASIAN SEAS							
4. EASTERN AFRICA						✓	
5. KUWAIT (ROPME SEA AREA)			✓			✓	✓
6. MEDITERRANEAN			✓			✓	✓
7. NORTH-WEST PACIFIC							
8. RED SEA & GULF OF ADEN						✓	
9. SOUTH ASIAN SEAS							
10. SOUTH-EAST PACIFIC						✓	✓
11. SOUTH PACIFIC						✓	
12. UPPER SOUTH-WEST ATLANTIC							
13. WEST AND CENTRAL AFRICA						✓	
14. ARCTIC			✓				
15. BALTIC			✓			✓	
16. NORTH-EAST ATLANTIC			✓			✓	

NONE/NOT KNOWN: ☐ 
 IN PREPARATION: ☐ 
 ON-GOING: ☐ 
 PREPARED: ☐ 
 ADOPTED: ☒

**TABLE 2 Status of regional/national programmes on Land-based Activities, identification of needs and opportunities**

REGIONAL SEA	Identification of needs	Identification of opportunities	National Implementation							Evaluation	
			Management instruments		Structural/ Operational measures		Institutional arrangements				
			Regulations\ Legislation	Economic\ Financial Instruments	Infrastructural Projects	Cleaner Production\ Best Practices	Institutions	Capacity Building	Awareness\ Public Participation		
1. BLACK SEA								✓			
2. CARIBBEAN								✓			
3. EAST ASIAN SEAS								✓			
4. EASTERN AFRICA								✓			
5. KUWAIT (ROPME SEA AREA)								✓			
6. MEDITERRANEAN								✓			
7. NORTH-WEST PACIFIC											
8. RED SEA & GULF OF ADEN								✓			
9. SOUTH ASIAN SEAS								✓			
10. SOUTH-EAST PACIFIC								✓			
11. SOUTH PACIFIC								✓			
12. UPPER SOUTH-WEST ATLANTIC											
13. WEST AND CENTRAL AFRICA								✓			
14. ARCTIC								✓			
15. BALTIC								✓			
16. NORTH-EAST ATLANTIC								✓			

NONE/NOT KNOWN: ☐

ON-GOING: ☐

PREPARED: ☐

REGIONAL IN PLACE: ☐



## **Black Sea**

Convention/Action Plan		
Convention/Action Plan:	Convention on the Protection of the Black Sea Against Pollution – Bucharest Convention (1992; entry into force in 1994)	
Contracting Parties/ Member States:	Bulgaria, Georgia, Romania, Russian Federation, Turkey and Ukraine	
Secretariat:	Black Sea Environment Programme, Dolmabahce Sarayı II, Hereket Kosku, 80680 Besiktas, Istanbul, Turkey. Tel: (90 212) 227 9927; Fax: (90 212 ) 227 9933 Email: <a href="mailto:blacksea@dominet.in.com.tr">blacksea@dominet.in.com.tr</a> Website: <a href="http://www.dominet.com.tr/blacksea">www.dominet.com.tr/blacksea</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:	Protocol on Protection of the Black Sea Marine Environment against Pollution from Land-based Sources	
Adoption/Timeframe	1992, entry into force 1994	
Regional Programme of Action (as implementation tool):	Regional Programme and National Strategic Action Plans were developed and are at the stage of approval by the Governments	
Adoption/Timeframe:		
<b>Principal Activities:</b> <ul style="list-style-type: none"><li>• Development of a Black Sea Basin-wide Strategy to address eutrophication problems</li><li>• Identification of high priority sites (hot spots) for reducing discharges of pollutants</li></ul> Adoption of harmonised water quality objectives and standards		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage	<ul style="list-style-type: none"><li>• Comprehensive national studies on the discharge of insufficiently treated sewage</li></ul>	<ul style="list-style-type: none"><li>• Implementation of laws and mechanisms required for regulating discharges from point-sources</li><li>• Application of environmentally friendly production processes and economic incentives</li></ul>
Persistent Organic Pollutants (POPs)	<ul style="list-style-type: none"><li>• Elimination of discharges of POPs of global significance, including consideration of policies in line with “polluter pays” principle</li></ul>	

## Caribbean

<b>Convention/Action Plan</b>	
<b>Convention/Action Plan:</b>	Convention for the Protection and Development of the Marine Environment of the Wider Caribbean Region - Cartagena Convention (1983, entry into force in 1986)
<b>Contracting Parties/ Member States:</b>	Antigua & Barbuda, Barbados, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, France, Grenada, Guatemala, Jamaica, Mexico, Netherlands, Panama, St. Lucia, St. Vincent and the Grenadines, Trinidad & Tobago, United Kingdom, United States of America, Venezuela <i>Signed (not yet ratified):</i> Honduras, Nicaragua, and European Union.
<b>Secretariat:</b>	UNEP Regional Coordinating Unit for the Caribbean Environment Programme, 14-20 Port Royal Street, Kingston, Jamaica. Tel: (1876) 922 9267; Fax: (1876) 922 9292 Email: <a href="mailto:uneprcuia@toi.com">uneprcuia@toi.com</a> Website: <a href="http://www.cep.unep.org">www.cep.unep.org</a>
<b>Status in addressing Land-based Activities at the regional level</b>	
<b>Regional Programme of Action (as planning tool):</b>	
<b>Adoption/Timeframe:</b>	
<b>Legal Framework for Land-based Activities:</b>	Protocol on the prevention, reduction and control of land-based sources and activities
<b>Adoption/Timeframe:</b>	Adopted at Conference of Pleni-potentiaries (Aruba, 27 September – 6 October 1999)
<b>Regional Programme of Action (as implementation tool):</b>	
<b>Adoption/Timeframe:</b>	
<b>Principal Activities:</b> <ul style="list-style-type: none"> <li>• Completion of an environmental information system project implemented in six pilot countries of the Wider Caribbean Region (WCR)</li> <li>• Completion of compendiums on regionally appropriate technologies for sewage treatment and best management practices for agricultural non-point sources</li> <li>• Training given on environmentally sound technologies for sewage treatment</li> <li>• Completion of diagnostic analysis of four contaminated bays</li> <li>• Development of guidelines for Integrated Coastal Area Management</li> <li>• Implementation of a sustainable tourism project, the first of its kind in the WCR, providing assistance to WCR States</li> <li>• Publication of regional assessment on land-based activities, prepared in support of GPA implementation</li> <li>• Development of proposal for a regional prototype project on land-based activities</li> </ul>	

<b>Priority Pollutant Source Category</b>	<b>Actions Needed</b>	<b>Generic Support Needed</b>
Sewage	<ul style="list-style-type: none"> <li>• Strengthening of institutional and technological capacity to control pollution from land-based activities, including environmental impact analysis</li> <li>• Increased technical and financial support for sound environmental management practices</li> <li>• Exchange of environmental data and other relevant information</li> </ul>	<ul style="list-style-type: none"> <li>• Project funding, technical assistance and training particularly in relation to the implementation of Protocols to the Cartagena Convention</li> <li>• Development of regionally consistent pollution control measures (effluent limitations or best management practices) by source category</li> <li>• Development of national needs assessment for sewage treatment</li> </ul>
Agricultural non-point Sources		
POPs		

## East Asian Seas

Convention/Action Plan		
Convention/Action Plan:	Action Plan for the Protection and Development of the Marine Environment and Coastal Areas of the East Asian Region (adopted in 1981)	
Contracting Parties/ Member States:	Australia, Cambodia, People's Republic of China, Indonesia, Malaysia, Philippines, Republic of Korea, Singapore, Thailand, Vietnam	
Secretariat:	UNEP Regional Coordinating Unit for the East Asian Seas, UN Building, 10 <sup>th</sup> Floor, Rajadamnern Avenue, Bangkok 10200, Thailand. Tel: (662) 288 1860; Fax: (662) 281 2428 Email: <a href="mailto:kirkman.unescap@un.org">kirkman.unescap@un.org</a> Website: <a href="http://www.unep.org/unep/regoffs/roap/easrcu/index">www.unep.org/unep/regoffs/roap/easrcu/index</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	Second draft of Proposed Regional Programme of Action on LBA to be reviewed by Governments	
Adoption/Timeframe:	At the annual meeting of the Coordinating Body on the Seas of East Asia (COBSEA)	
Principal Activities:		
<ul style="list-style-type: none"><li>Regional assessment on land-based activities being finalized in support of GPA implementation</li><li>GEF Project Brief "Reversing Degradation Trends in the South China Sea" prepared</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage / Waste Water	<ul style="list-style-type: none"><li>Establishment of data and information network to link with GPA clearing-house, based on the existing regional monitoring network</li><li>Assessment of the impacts on the marine environment, and human health</li><li>Reduction of the discharge of sewage using a treatment system on the key sources of pollution</li></ul>	<ul style="list-style-type: none"><li>Establishment of legal framework</li><li>Assessment of the State of Marine Environment</li><li>Management of Marine and Coastal Development activities</li><li>Development of suitable coordinating measures for the successful implementation of programme of action</li></ul>

<b>Priority Pollutant Source Category</b>	<b>Actions Needed</b>	<b>Generic Support Needed</b>
Agricultural Run-off, Suspended Solids (from agriculture, deforestation and engineering works)	<ul style="list-style-type: none"> <li>• Establish a data and information network to assess the quantities and types of fertilizers used and the quantity of solid and liquid manure produced by farm animals</li> <li>• Promote rational use of fertilizers and reduce the losses of nutrients by misuse of inorganic fertilizers and manure</li> </ul>	
Industrial Waste	<ul style="list-style-type: none"> <li>• Establish data and information network</li> <li>• Undertake a feasibility study to introduce cleaner production in the region</li> </ul>	
Habitat Degradation	<ul style="list-style-type: none"> <li>• Assemble available information on developments, habitats and risks and prepare maps</li> <li>• Commission a review of ESCAP/WB/UN guidelines on environmental impact assessment in the region</li> <li>• Convene a COBSEA workshop to adopt these guidelines</li> </ul>	

## Eastern Africa

<b>Convention/Action Plan</b>	
<b>Convention/Action Plan:</b>	Convention for the Protection, Management and Development of the Marine and Coastal Environment of the Eastern African Region – Nairobi Convention (1985; entry into force in 1996)
<b>Contracting Parties/ Member States:</b>	Comoros, France (La Reunion), Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, United Republic of Tanzania
<b>Secretariat:</b>	UNEP Regional Coordinating Unit for the Eastern Africa Region P.O. Box 487, Victoria, Mahe, Seychelles. Tel: (248) 324 525; Fax: (248) 324 573 Email: <a href="mailto:uneprcu@seychelles.net">uneprcu@seychelles.net</a>
<b>Status in addressing Land-based Activities at the regional level</b>	
<b>Regional Programme of Action (as planning tool):</b>	
<b>Adoption/Timeframe:</b>	
<b>Legal Framework for Land-based Activities:</b>	
<b>Adoption/Timeframe:</b>	
<b>Regional Programme of Action (as implementation tool):</b>	Regional Programme of action on LBA developed
<b>Adoption/Timeframe:</b>	Referred to working group (planned for December 1999)
<b>Principal Activities:</b> <ul style="list-style-type: none"> <li>• Establishment of Integrated Coastal Area Management (ICAM) teams (secretariats) and projects in key Ministries of four Eastern African countries</li> <li>• Establishment of coastal resources databases in four of the participating countries</li> <li>• Training of local experts in ICAM and successfully completing pilot projects in ICAM in Mozambique, Kenya and Zanzibar (United Republic of Tanzania)</li> <li>• Publication of a regional assessment on land-based activities, in support of GPA implementation</li> <li>• Finalization of a Strategic Action Plan (SAP) for the Eastern African Region which addresses, amongst others, land-based activities</li> </ul>	

<b>Priority Pollutant Source Category</b>	<b>Actions Needed</b>	<b>Generic Support Needed</b>
Sewage / Waste Water	<ul style="list-style-type: none"> <li>• Intermediate technologies and innovative solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Action plan for the revitalization and coordination of the Abidjan and Nairobi Conventions</li> <li>• Identification of regionally significant areas and hotspots of environmental degradation for which pre-investment studies should be prepared</li> </ul>
Solid Waste	<ul style="list-style-type: none"> <li>• Management of dumping sites</li> <li>• Training of personnel</li> </ul>	<ul style="list-style-type: none"> <li>• Investigation of feasible and viable financial models to ensure sustainable financing of the African Agenda for the development and protection of the coastal and marine environment</li> <li>• Enhancement of the existing capacity for environmental management in the sub-Saharan Africa</li> </ul>
Industrial Waste	<ul style="list-style-type: none"> <li>• Incentives for cleaner production</li> <li>• Planning for appropriate siting of industries</li> </ul>	<ul style="list-style-type: none"> <li>• Assistance in development of national action plans for the development and protection of coastal and marine environment</li> <li>• Assistance in strengthening national policies, legislation and institutional mechanisms</li> </ul>
Agricultural Run-off	<ul style="list-style-type: none"> <li>• Workshop to set guidelines on concentrations</li> </ul>	
Habitat Degradation	<ul style="list-style-type: none"> <li>• Regulation/legislation on sand extraction in coastal zone</li> <li>• Establish code for best practices for tourism developments</li> </ul>	

## **Kuwait (ROPME Sea Area)**

Convention/Action Plan		
Convention/Action Plan:	Kuwait Regional Convention for Cooperation on the Protection of the Marine Environment from Pollution - Kuwait Convention (1978; entry into force in 1979)	
Contracting Parties/ Member States:	State of Bahrain, Islamic Republic of Iran, Republic of Iraq, State of Kuwait, Sultanate of Oman, State of Qatar, Kingdom of Saudi Arabia, United Arab Emirates	
Secretariat:	Regional Organisation for the Protection of the Marine Environment, P.O. Box 26388, 1324 Safat, State of Kuwait. Tel: (965) 531 2140-3; Fax: (965) 532 4172 Email: <a href="mailto:ropmek@kuwait.net">ropmek@kuwait.net</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:	Protocol for the Protection of the Marine Environment against Pollution from Land-based Sources (1990, entry into force 1993)	
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	Regional Programme of Action	
Adoption/Timeframe:	Special meeting of experts, 1995	
Principal Activities:		
<ul style="list-style-type: none"><li>• Review of the State of the Marine Environment Report</li><li>• Development of Guidelines on Integrated Coastal Area Management – ICAM</li><li>• Regional assessment on LBA in support of GPA implementation</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Oils	<ul style="list-style-type: none"><li>• Update national surveys on LBA</li><li>• Conduct a pilot study on POPs</li><li>• Preparation of a manual to implement the LBA Protocol</li><li>• Develop a river basin management programme</li></ul>	<ul style="list-style-type: none"><li>• Preparation of a regional overview on POPs, based on the reports of national surveys</li><li>• Preparation of regional guidelines, standards and criteria for the management of LBA</li></ul>
Physical Alteration, Sediment Mobilization and Destruction of Habitats		
Sewage and Nutrients		
POPs		

## Mediterranean

<b>Convention/Action Plan</b>	
<b>Convention/Action Plan:</b>	Convention for the Protection of the Mediterranean Sea (1976, entry into force in 1978). Revised in 1995: Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean - Barcelona Convention (revised Convention not yet in force)
<b>Contracting Parties/ Member States:</b>	Albania, Algeria, Bosnia & Herzegovina, Croatia, Cyprus, European Commission, Egypt, France, Greece, Israel, Italy, Lebanon, Libya, Malta, Monaco, Morocco, Slovenia, Spain, Syria, Tunisia, Turkey.
<b>Secretariat:</b>	UNEP Regional Coordinating Unit Mediterranean Action Plan, 48 Vas Konstantinou, P.O. Box 18019, Athens 11610, Greece. Tel (30 1) 72 73 100; Fax: (30 1) 72 53 196 Email: <a href="mailto:unepmedu@unepmap.gr">unepmedu@unepmap.gr</a> Website: <a href="http://www.unepmap.org">www.unepmap.org</a>
<b>Status in addressing Land-based Activities at the regional level</b>	
<b>Regional Programme of Action (as planning tool):</b>	
<b>Adoption/Timeframe:</b>	
<b>Legal Framework for Land-based Activities:</b>	Protocol for the Protection of the Mediterranean Sea against pollution from Land-based Sources and Activities (1980, entry into force 1983, amended 1996)
<b>Adoption/Timeframe:</b>	Tunis, November 1997 (Meeting of the Contracting Parties)
<b>Regional Programme of Action (as implementation tool):</b>	Strategic Action Programme to Address Pollution from Land-based Activities (SAP MED)
<b>Adoption/Timeframe:</b>	Tenth Ordinary Meeting of the Contracting Parties, November 1997
<b>Principal Activities:</b> <ul style="list-style-type: none"> <li>• More than 123 protected areas in the Mediterranean were established and managed</li> <li>• Four Action Plans for the protection of endangered species were developed (turtles, monk seals, cetaceans and vegetation)</li> <li>• Capacity building in the field of monitoring and assessment has been upgraded through the MED POL Programme</li> <li>• Coastal management has been promoted and local staff in several countries trained through the Coastal Area Management Programme</li> <li>• GEF financed the preparation of the Strategic Action Programme to Address Pollution from Land-Based Activities (SAP MED)</li> </ul>	

Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage	<ul style="list-style-type: none"> <li>Update and adopt sewage treatment guidelines</li> <li>Exchange information on environmental sound sewage treatment</li> </ul>	<ul style="list-style-type: none"> <li>Support for Strategic Action Programme (SAP)</li> <li>Support in raising public awareness on environment and sustainable at local, national and regional levels</li> <li>Support to development of environmental law and implementation (and follow-up) of Convention and Protocols</li> </ul>
POPs	<ul style="list-style-type: none"> <li>To prepare guidelines for application of Best Environmental Practice (BEP) and Best Available Technology (BAT)</li> </ul>	
Radioactive substances	<ul style="list-style-type: none"> <li>Transmit information received</li> </ul>	
Heavy metals	<ul style="list-style-type: none"> <li>To prepare guidelines for application of BEP and BAT in industrial installations</li> </ul>	
Oils	<ul style="list-style-type: none"> <li>To prepare guidelines for application of BEP and BAT in industrial installations</li> <li>Formulate and adopt standard on maximum content of PCB in oils</li> </ul>	
Nutrients	<ul style="list-style-type: none"> <li>To participate in FAO projects on sustainable agriculture</li> <li>To prepare guidelines for the application of BEP for the rational use of fertilizer</li> </ul>	
Litter	<ul style="list-style-type: none"> <li>To formulate guidelines for environmentally suitable and economic feasible collection systems</li> </ul>	
Physical alterations and destruction of habitats	<ul style="list-style-type: none"> <li>To formulate guidelines for the preservation of habitats and normal ecosystem function in coastal areas</li> </ul>	

## North-West Pacific

Convention/Action Plan		
Convention/Action Plan:	Action Plan for the Protection, Management and Development of the Marine and Coastal environment of the North-West Pacific Region (NOWPAP) (adopted in 1994)	
Contracting Parties/ Member States:	Japan, People’s Republic of China, Republic of Korea, Russian Federation (D.P.R. Korea participated in the preparation of the Action Plan but not in its implementation )	
Secretariat:	Interim secretariat: UNEP, Division of Environmental Conventions P.O. Box 30552, Nairobi, Kenya Email: <a href="mailto:water@unep.org">water@unep.org</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):	Regional Monitoring Programme (NOWPAP/3 Phase II;)	
Adoption/Timeframe:	Adopted by the Fourth Intergovernmental Meeting, Beijing, 6-7 April 1999	
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):		
Adoption/Timeframe:		
Principal Activities:		
<ul style="list-style-type: none"><li>• Agreement among the Member States to establish four Regional Activity Centers (RAC)</li><li>• Marine Environmental Emergency Preparedness RAC established</li><li>• Directory of marine environmental institutions</li><li>• Preparation of a plan for establishment of regional monitoring system</li><li>• Preparation of a plan for a comprehensive regional data/information management system</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Nutrients Trace metals Pesticides	<ul style="list-style-type: none"><li>• Exchange of detailed information on monitoring (position stations, techniques, reference methods)</li><li>• Organize annual workshops and training courses</li><li>• Preparation of regional overview of river input of contaminants and on coastal environmental problems</li></ul>	<ul style="list-style-type: none"><li>• Preparation of pollution source inventories</li><li>• Preparation of ICAM guidelines and their application to some coastal areas on a demonstration basis</li><li>• Public awareness raising</li><li>• Operation of the regional activity centers</li></ul>

## Red Sea & Gulf of Aden

Convention/Action Plan		
Convention/Action Plan:	Regional Convention for the Conservation of the Red Sea and Gulf of Aden – Jeddah Convention (1982, entry into force in 1985)	
Contracting Parties/ Member States:	Egypt, Jordan, Palestine, Saudi Arabia, Somalia, Sudan, Yemen	
Secretariat:	Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA), P.O. Box 1358, Jeddah 2143, Saudi Arabia. Tel: (966 2) 651 4472; Fax: (966 2) 651 9868; Email: <a href="mailto:persga@compute.com.bh">persga@compute.com.bh</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	Regional Programme of Action under development (completion expected by December 1999)	
Adoption/Timeframe:		
<b>Principal Activities:</b> <ul style="list-style-type: none"><li>• Organisation of more than 20 regional training courses, workshops and seminars in cooperation with regional and international organisations</li><li>• Publication of a regional assessment on land-based activities, in support of GPA implementation</li><li>• Finalized the GEF sponsored Strategic Action Programme for the Red Sea and Gulf of Aden on the development of a regional framework for the protection of the environment and sustainable development of coastal and marine resources</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Physical Alteration and Destruction of Habitats	<ul style="list-style-type: none"><li>• Effectively implementing coastal zone management programmes</li></ul>	<ul style="list-style-type: none"><li>• Creation of a Regional Environmental Monitoring Programme</li></ul>
Sewage	<ul style="list-style-type: none"><li>• Improve urban and industrial planning</li><li>• Strengthen capacity to manage municipal wastewater and industrial effluents</li></ul>	<ul style="list-style-type: none"><li>• Strengthening the capacity of PERSGA and Member States through the convening of a number of technical workshops</li><li>• Assist in the preparation of a number of protocols, for regional implementation of the major international conventions and programmes</li></ul>

## South Asian Seas

Convention/Action Plan		
Convention/Action Plan:	South Asian Seas Action Plan (1995; entry into force in 1998)	
Contracting Parties/ Member States:	Bangladesh, India, Maldives, Pakistan, Sri Lanka	
Secretariat:	South Asia Cooperative Environment Programmes (SACEP), 10 Anderson Road, Colombo 5, Sri Lanka. Tel: (941) 589 787; Fax: (941) 589 369; Email: <a href="mailto:pd_sacep@eureka.lk">pd_sacep@eureka.lk</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	National and regional programmes of action under development (completion expected by December 1999)	
Adoption/Timeframe:		
<b>Principal Activities:</b> <ul style="list-style-type: none"><li>• Workshop on implementation of the GPA in the South Asian Seas Region, and initiation of the development of National and Regional Programmes of Action for the implementation of the GPA (October 1997)</li><li>• Developing and convening a training course on Integrated Management of Coastal and Marine Protected Areas specifically for the region</li><li>• Formulation of Programme Cycle for 1999-2002 based on four priority areas of action from which two are relevant to GPA: ICAM and Land-based Activities</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage	• To be determined by regional programme of action under development	• Capacity building on ICAM • Financial and technical support to the development of National Programmes of Action for GPA implementation • Regional clearing-house mechanism • Awareness activities
Litter		

## South-East Pacific

Convention/Action Plan		
Convention/Action Plan:	Convention for the Protection of the Marine Environment and Coastal Area of the South-East Pacific - Lima Convention (entry into force in 1981)	
Contracting Parties/ Member States:	Chile, Colombia, Ecuador, Panama, Peru	
Secretariat:	Plan of Action of the South-East Pacific, Permanent Commission for the South Pacific (CPPS), Coruna N31-83 y Whimper, P.O. Box 17-21-720, Quito, Ecuador. Tel: (593 2) 234 331/5/6; Fax: (593 2) 234 374 Email: <a href="mailto:cpps@ecuanex.net.ec">cpps@ecuanex.net.ec</a> ; Website: <a href="http://www.cpps.org">www.cpps.org</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:	Protocol for the Protection of the South-East Pacific against Pollution from Land-based Sources (1983)	
Adoption/Timeframe:	Entrv into force in 1986	
Regional Programme of Action (as implementation tool):	Second draft "Regional Programme for the Protection of the South-East Pacific against Land-based Activities" being reviewed by Governments	
Adoption/Timeframe:	Ninth Intergovernmental Meeting of the Action Plan and Contracting Parties for the Lima Convention, December 1999, Quito, Ecuador	
Principal Activities:		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage / Waste Water	• Minimize impacts of sewage discharges	• International cooperation for the establishment of a regional clearing-house mechanism  • Additional funding for the development of national and regional programmes of action
Solid Waste	• Training on best management practices	
Industrial Waste	• Advocate appropriate and alternative technologies and adoption of clean technologies	
Agricultural Run-off	• Framework for adoption of principles and best management practices	
Habitat Degradation	• Support development of rehabilitation plans for critical habitats in specific sites	

## South Pacific

Convention/Action Plan		
Convention/Action Plan:	Convention for the Protection of Natural Resources and Environment of the South Pacific Region – Noumea Convention (1986, entry into force in 1990)	
Contracting Parties/ Member States:	Australia, Cook Islands, Federal States of Micronesia, Fiji, France, Kiribati, Marshall Islands, Nauru, New Zealand, Niue, Palau, Papua -New Guinea, Solomon Islands, Tonga, Tuvalu, United Kingdom, United States of America, Vanuatu, Western Samoa, South Pacific Territories and Dependencies of France (French Polynesia, New Caledonia, Wallis and Futuna), New Zealand (Tokelau), United Kingdom (Pitcairn) and United States of America (American Samoa, Guam, Northern Mariana Islands)	
Secretariat:	South Pacific Regional Environment Programme (SPREP), P.O. 240, Box Apia, Western Samoa. Tel: (685) 21 929; Fax: (685) 20 231 Email: <a href="mailto:sdrep@sdrep.org.ws">sdrep@sdrep.org.ws</a> ; Website: <a href="http://www.sprep.org.ws">www.sprep.org.ws</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	Regional Programme of Action under preparation on basis of existing SPREP Action Plan and Strategic Action Plan for International Waters	
Adoption/Timeframe:		
Principal Activities:		
<ul style="list-style-type: none"><li>Regional assessment on LBA in preparation in support of GPA implementation</li><li>Waste management education and awareness programme</li><li>Development of environmental clearing-house</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Solid Waste POPs Hazardous Chemicals	To be determined by regional programme of action under development	<ul style="list-style-type: none"><li>Pending outcome of GPA Workshop (Apia, 14-16 October 1999)</li></ul>

## Upper South-West Atlantic

Convention/Action Plan		
Convention/Action Plan:	Under negotiation	
Contracting Parties/ Member States:	Argentina, Brazil, Uruguay	
Secretariat:	Facilitator: UNEP, Division of Environmental Conventions P.O.Box 30552, Nairobi, Kenya. Email: <a href="mailto:water@unep.org">water@unep.org</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):	Regional Programme of Action and Regional Assessment on Land-based Activities prepared by workshop of government – designated experts	
Adoption/Timeframe:	Revised draft Regional Programme of Action awaiting approval in a regional governmental meeting in 2000	
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):		
Adoption/Timeframe:		
Principal Activities:		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage / Waste Water	<ul style="list-style-type: none"><li>Identify and quantify heavily contaminated areas</li></ul>	<ul style="list-style-type: none"><li>Financial and technical support to implement Regional Programme of Action</li></ul>
Solid Waste	<ul style="list-style-type: none"><li>Identify and quantify main pollution sources</li></ul>	
Industrial Waste	<ul style="list-style-type: none"><li>Inventory of main sources of industrial waste</li></ul>	
Agricultural Run-off	<ul style="list-style-type: none"><li>Inventory of pollution and degradation from agriculture run-off</li></ul>	
Habitat Degradation	<ul style="list-style-type: none"><li>Inventory of impacted ecosystems</li></ul>	

## West and Central Africa

Convention/Action Plan		
Convention/Action Plan:	The Convention for Cooperation in the Protection, Management and Development of the Marine and Coastal Environment of the West and Central African Region – Abidjan Convention (1981; entry into force in 1984)	
Contracting Parties/ Member States:	Angola, Benin, Cameroon, Cape Verde, Congo, Côte d'Ivoire, Democratic Republic of Congo, Equatorial Guinea, Gabon, Gambia, Guinea, Guinea-Bissau, Liberia, Mauritania, Namibia, Nigeria, São Tomé and Príncipe, Senegal, Sierra Leone, Togo	
Secretariat:	UNEP Regional Coordinating Unit for West and Central Africa, c/o Ministère de l'Environnement et la Forêt, 20 BP 650, Abidjan 20, Côte d'Ivoire. Tel: (225) 21 1183; Fax: (225) 21 0495; Email: <a href="mailto:biodiv@africaonline.co.ci">biodiv@africaonline.co.ci</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):	Regional Programme developed	
Adoption/Timeframe:	Intergovernmental Meeting of the Action Plan (expected early 2000)	
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):		
Adoption/Timeframe:		
Principal Activities:		
<ul style="list-style-type: none"><li>• Training of local experts in ICAM and successfully completed ICAM pilot projects</li><li>• Regional assessment on land-based activities finalized, in support of GPA implementation</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Sewage / Waste Water	<ul style="list-style-type: none"><li>• Collect qualitative and quantitative data</li><li>• Prepare detailed regional report</li></ul>	<ul style="list-style-type: none"><li>• Action plan for the revitalization and coordination of the Abidjan and Nairobi Conventions</li><li>• Identification of regionally significant areas and hotspots of environmental degradation, and for which pre-investment studies should be prepared</li></ul>

<b>Priority Pollutant Source Category</b>	<b>Actions Needed</b>	<b>Generic Support Needed</b>
Agricultural Run-off	<ul style="list-style-type: none"> <li>• Collect data on the use of agrochemicals</li> <li>• Review and compile existing legislation</li> </ul>	<ul style="list-style-type: none"> <li>• Investigation of feasible and viable financial models to ensure sustainable financing of the African Agenda for the development and protection of the coastal and marine environment</li> <li>• Enhancement of the existing capacity for environmental management in Sub-Saharan Africa</li> <li>• Assistance in development of national action plans for the development and protection of coastal and marine environment</li> <li>• Assistance in strengthening national policies, legislation and institutional mechanisms</li> </ul>
Industrial Waste	<ul style="list-style-type: none"> <li>• Inventory of main industries in coastal and drainage basins</li> <li>• Status of regulations at national level</li> <li>• Adopt clean technologies</li> </ul>	
Solid Waste	<ul style="list-style-type: none"> <li>• Evaluate status of problems and impacts through regional study</li> <li>• Evaluate in each country collection and treatment capabilities</li> </ul>	
Habitat Degradation	<ul style="list-style-type: none"> <li>• Identify problem extent and causes</li> <li>• Protection of critical areas</li> </ul>	

## Arctic

Convention/Action Plan		
Convention/Action Plan:	Arctic Council and associated Programmes (Arctic Council Action Plan being developed)	
Contracting Parties/ Member States:	Canada, Denmark/Greenland, Finland, Iceland, Norway, Russian Federation, Sweden, United States of America	
Secretariat:	Protection of the Arctic Marine Environment Secretariat, Hafnarstraeti 97 IS-600 Akureyri, Iceland. Tel: (354) 461 1355; Fax: (354) 462 3390; Email: <a href="mailto:PAME@ni.is">PAME@ni.is</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):	Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities	
Adoption/Timeframe:	Adopted by the Arctic Council of Ministers (Iqaluit Declaration, 18 September 1998)	
Legal Framework for Land-based Activities:		
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):		
Adoption/Timeframe:		
Principal Activities:		
<ul style="list-style-type: none"><li>• Report on the Protection of the Arctic Environment (March 1996)</li><li>• Working Group for the Protection of the Arctic Marine Environment (PAME) which agreed on the Regional Programme of Action on Land-based Activities</li><li>• GEF support for Russian National Programme of Action on the Arctic</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
POPs	<ul style="list-style-type: none"><li>• Support to promote national actions on POPs and heavy metals, and promote common views in global POPs negotiations</li></ul>	<ul style="list-style-type: none"><li>• Conduct pre-investment studies for GEF supported project (ref above) in view of remedial action in the Arctic Region of the Russian Federation</li></ul>
Heavy Metals		
Radionuclides		
Petroleum Hydrocarbons		
Physical Degradation	<ul style="list-style-type: none"><li>• Overview of habitat protection instruments</li></ul>	
Sewage		
Nutrients		
Sediment		

## **Baltic**

Convention/Action Plan		
Convention/Action Plan:	The International Convention for the Protection of the Marine Environment of the Baltic Sea Area- Helsinki Convention (1974, entry into force 1980; revision 1992; entry into force expected in 1999)	
Contracting Parties/ Member States:	Denmark, Estonia, European Community, Finland, Germany, Latvia, Lithuania, Poland, Russian Federation, Sweden	
Secretariat:	Katajanokanlaituri 6B FIN-00160 Helsinki Finland. Tel: (358 9) 6220220; Fax: (358 9) 62202239 Email: <a href="mailto:helcom@helcom.fi">helcom@helcom.fi</a> ; Website: <a href="http://www.helcom.fi">www.helcom.fi</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:	Laid down in the body of the Helsinki Convention (revision 1992), in particular Art.6 and Annex III.	
Adoption/Timeframe:	Entry into force expected in 1999	
Regional Programme of Action (as implementation tool):		
Adoption/Timeframe:		
Principal Activities: (see Web-site for details)		
<ul style="list-style-type: none"><li>• Development of Baltic Sea Joint Comprehensive Environmental Action Programme (JCP) for the period 1993 – 2012. It identifies six main elements, including investment activities addressing point and non-point sources and management programme for coastal lagoons and wetlands</li><li>• Identification of “hot-spots” in the region (mainly municipal and industrial waste sites)</li><li>• GEF proposal on Baltic Sea Regional Project which addresses reduction of non-point source pollution from agriculture</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Nutrients	<ul style="list-style-type: none"><li>• Development of improved waste water services</li><li>• Application of Good Agricultural Practices</li></ul>	<ul style="list-style-type: none"><li>• Legislative/administrative improvements</li><li>• Financial resources</li></ul>
Hazardous substances	<ul style="list-style-type: none"><li>• Harmonization of HELCOM recommendations with EU directives</li></ul>	

## North-East Atlantic

Convention/Action Plan		
Convention/Action Plan:	Convention for the Protection of the Marine Environment of the North-East Atlantic- Oslo and Paris Conventions (1974, revised and combined in OSPAR Convention 1992; entry into force in 1998)	
Contracting Parties/ Member States:	Belgium, Denmark, EU, Finland, France, Germany, Iceland, Ireland, Luxembourg, Netherlands, Norway, Portugal, United Kingdom, Spain, Sweden, Switzerland	
Secretariat:	OSPAR Commission, New Court, 48 Carey Street, London WC2A 2JQ, United Kingdom. Tel: (44 207) 4305200 ; Fax:(44 207) 430 5225 Email: <a href="mailto:secretariat@ospar.org">secretariat@ospar.org</a> ; Website: <a href="http://www.ospar.org">www.ospar.org</a>	
Status in addressing Land-based Activities at the regional level		
Regional Programme of Action (as planning tool):		
Adoption/Timeframe:		
Legal Framework for Land-based Activities:	Laid down in the body of the OSPAR Convention and in Annexes I, IV and V of the Convention, respectively, on prevention and elimination of pollution from land-based sources, on the assessment of the quality of the environment, and on protection and conservation of the ecosystems and biological diversity	
Adoption/Timeframe:		
Regional Programme of Action (as implementation tool):	OSPAR Action Plan 1998 – 2003 (update 1999)	
Adoption/Timeframe:		
Principal Activities: (see Web-site for details)		
<ul style="list-style-type: none"><li>• The Commission draws up plans for the reduction and phasing out to background levels of substances that are toxic, persistent and liable to bio-accumulate arising from land-based sources; and programmes and measures for the reduction of inputs of nutrients from urban, municipal, industrial, agricultural and other sources</li><li>• The Contracting Parties take the lead in the development of best available techniques (BAT) for point sources; best environmental practice (BEP) for point and diffuse sources including clean technology and are bound by the convention to implementation of these techniques</li></ul>		
Priority Pollutant Source Category	Actions Needed	Generic Support Needed
Hazardous Substances/ POPs	<ul style="list-style-type: none"><li>• Selection and prioritization</li><li>• Develop procedures for identifying substitutes</li><li>• Preparation and review of BAT and BEP</li></ul>	
Radio-nuclides	<ul style="list-style-type: none"><li>• Development of programmes and measures, ensuring the application of BAT/BEP</li></ul>	
Nutrients	<ul style="list-style-type: none"><li>• Review implementation of international and national adopted measures for reducing nutrients by industry, sewage treatment plants, agriculture</li></ul>	
Habitat	<ul style="list-style-type: none"><li>• Entry into force of new Annex V to Convention</li></ul>	



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Visiting address:  
Anna Paulownastraat 1, The Hague