



EUROPEAN COMMISSION
DIRECTORATE GENERAL JRC
JOINT RESEARCH CENTRE
Institute for Environment and Sustainability



WORKING GROUP 4.1

“Integrated Testing in Pilot River Basins”

SUMMARY OF PROPOSALS FOR PILOT RIVER BASINS

SUBMITTED BY MEMBER STATES

Situation on 31st October 2002

The main objective of the Working Group 4.1 is to make operational the Guidance Documents developed under Action 2 and transform them into documents that should be taken into account by regional and local authorities by giving concrete examples of application in selected river basins in Europe. This approach is tackled through integrated testing of the Guidance Documents provided by the different Working Group. The first step of the integrated testing is the selection of the PRBs. To this purpose, Member State authorities were invited to submit proposals for PRBs on which they wished to carry out integrated testing exercises in the context of the Common Implementation Strategy. As outlined in the note sent by DG Environment to Water Directors, each PRB proposal had to address the following points:

- River Basin Information
- Commitment and Resources
- Institutional Aspects
- NGOs and Stakeholders
- Guidance Documents to be tested
- Related Projects

The Water Directors at their meeting in Valencia, Spain, in June 2002 endorsed the eleven proposals for PRBs sent to the Commission by that date. The Water Directors made a number of recommendations that were considered by the Countries and by the WG 4.1. At the following Workshop “Establishing the Basis for Testing in Pilot River Basins” held on 27-28th June 2002 at Lake Orta, Italy, the eleven PRBs were illustrated to, and discussed with, Action 2 WG leaders, who, in turn, presented the state-of-play of all Guidance Documents.

In the following months after the WD meeting in Spain, a few countries sent additional proposals for PRBs. The situation was reviewed at the Strategic Co-ordination Group (SCG) meeting on 30th September-1st October 2002. Italy proposed two new PRBs (Tevere, Cecina). In addition, an update on the situation for the Scheldt, Neisse and Somos (replacing the Upper-Tisza) was presented by the different delegations. At the end of October 2002, Norway reintroduced the proposal for the Suldalsvassdraget river basin.

Concerning Candidate Countries, it appears that only Estonia submitted a proposal for funding through the ISPA mechanism. Hungary, Slovenia, Romania, Slovakia, Latvia and the Czech Republic indicated that they would submit proposals shortly.

By 31st October 2002 fourteen proposals for PRBs were on the table of the Commission. Although eleven PRBs were formally endorsed at the WD meeting in Spain, the situation for some of these eleven is still not completely clear. In general, a final confirmation can only be expected at the WD meeting in Copenhagen.

The fourteen PRBs proposed so far are listed in the following. A synthetic file for each PRB is enclosed as an annex:

- Belgium, France, The Netherlands (Scheldt transboundary river basin),
- Denmark (Odense river basin),
- Finland (Oulujoki river basin),
- France, Germany, Luxembourg (Moselle-Sarre transboundary river basin),
- France (Marne river basin),
- Germany, Poland and Czech Republic (Neisse transboundary river basin),
- Greece (Pinios river basin),
- Ireland (Shannon river basin),
- Italy (Cecina and Tevere river basins),
- Norway (Suldalsvassdraget river basin),
- Portugal (Guadiana river basin, Portuguese side),
- Romania, Hungary (Somos transboundary river basin),
- Spain (Júcar river basin).

In general, the **river basins** cover a wide range of sizes, from 1160 km² (Odense: DK) to 37170 km² (Scheldt: B, F, NL). Concerning river and lakes, the various proposals cover ecoregions 1, 6, 8, 10, 11, 13, 14, 17, 22, 25. For transitional and coastal waters, the ecoregions involved are 1, 4, 5 and 6. Four of the proposed PRBs are transboundary, covering from two to four countries.

Regarding the aspect of **commitment and resources**, the proposals vary greatly. Eleven PRB proposals from the following countries guarantee the allocation of resources for conducting the integrated testing: Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg (Moselle-Sarre), Norway, Portugal, and Spain. In some cases, there is a problem of financial support being required by some of the proposed PRBs, especially those concerning Candidate Countries. Lack of access to external funding (ISPA or other) could potentially severely jeopardise the successful execution of the testing at these sites.

Denmark, through the Fyn County, is actually spending 2 MEuro (including 15 staff), one third of which is dedicated to the Odense river basin. The Fyn County intends to allocate 160-320 KEuro per year to the PRB project, covering 2-4 full staff.

For the year 2003, *Finland* will make available 423 KEuro for the integrated testing; this cost will support the equivalent of 55 man-month.

France will make available for the integrated testing in the Moselle-Sarre river basin about 300 KEuro per year, covering 36 man-month years. This amount covers only the French needs. Specific information for the other countries in the Moselle-Sarre river basin (*Luxembourg*, and the Rhineland-Palatinate and Saarland parts in *Germany*) is not fully available, even though the two countries (and federal states involved) confirmed their support to the initiative. *France* will be also involved in the testing in the Marne river basin, with costs in the order of 300 KEuro covered by the Seine-Normandy Water Agency and by the Ministry of Environment.

Greece will support testing in the Pinios river basin, and the resources needed have been allocated to an overall budget established for this scope.

Ireland will run the Shannon PRB in parallel with the Shannon River Basin District project, thus profiting from existing resources, and will support research staff specifically for ensuring the link with the PRB testing.

Italy has committed to carry out the testing in two PRBs, the Cecina and the Tevere. For the Cecina PRB, the costs for staff activities will be supported by an ad-hoc Pilot Basin budget, and by individual institution for the associated mission costs. The resources allocated for the Tevere testing will be around 51 KEuro per year, excluding staff costs already covered which amount to about 2 MEuro.

Norway has recently decided to join the PRB initiative with a direct involvement in the integrated testing. The cost for participation has been estimated in the order of 100 KEuro plus 1 man-labour year at the national management level in 2003. In addition, the project will benefit from already funded activities of national and local authorities in charge of implementing the WFD.

Portugal has proposed the Portuguese side of the Guadiana, which represents 18% of the whole river basin, the remainder being in Spain. Resources from the Portuguese side will be made available in the context of the Guadiana River Basin Plan. Although Spain will not be involved in the testing, the Spanish representatives in the SCG confirmed support to the exercise by providing the Portuguese authorities with the necessary information on the Spanish side of the Guadiana river basin.

Spain will be directly involved in the integrated testing in the Júcar PRB. The resources allocated to the project are estimated in 25 man-months per year.

Belgium estimated the cost for covering PRB activities on the Scheldt river basin at 2.938 MEuro covering 34 full staff to be distributed among the Flemish, Walloon, and Brussels capital regions, *France*, and *The Netherlands*. However, all partners expressed their commitment under the condition that requested financial assistance would be obtained through INTERREG IIIb northwest Europe. The proposal for funding has been submitted in October 2002 and an answer is expected soon.

Concerning the Tisza River basin, *Hungary* has withdrawn the proposal and in agreement with *Romania* proposed the Somos river basin, almost entirely in Romania. The Romanian

delegation in the SCG confirmed their support to the initiative. However, no further information has been made available since then.

A second proposal involving Candidate Countries is that made by *Germany* for the Neisse river basin, transboundary with *Poland* and *Czech Republic*. Commitment exists from the German side (StUFA at Bautzen), but it is not clear to what extent the authorities in the two other countries will support the proposal. Financial assistance for the Candidate Countries might come from ISPA.

In general, **institutional aspects** have been clarified in the proposals. The only exceptions are the proposals from the Candidate Countries, for which declarations of interest have been made, but not substantiated by any formal document. Hopefully, a clarification should come from the next SCG and Water Director meetings.

For all proposed PRBs, a large number of **NGOs and stakeholders** will be involved in the project

All **guidance documents** will be tested eventually in the PRBs. The Scheldt, the Júcar, the Guadiana and the Tevere projects have proposed to test all nine guidance documents and work on the development of a common GIS platform. The lowest level of implementation would be that of the Moselle-Sarre PRB, where integrated testing is planned on the guidance documents related to pressure and impact, to the designation of heavily modified bodies of water, and to the economic analysis.

All proposed PRBs are also involved in **other projects** of international or national relevance that could support, with additional activities, the integrated testing expected to be carried out in the context of WG 4.1. Moreover, contacts have been established with DG Research in order to maximise the synergy between WG 4.1 and the workprogramme of the new DG Research project called HarmoniRIB, which has research objectives of interest also to what planned in WG 4.1.

In conclusion, further information is needed on the following PRBs:

- Scheldt transboundary river basin (Belgium, France, The Netherlands), in relation to the outcome of the request for funding to INTERREG IIIb.
- Neisse transboundary river basin (Germany, Poland and Czech Republic), and
- Somos transboundary river basin (Romania, Hungary), both on whether a final decision for participation has been taken and in such a case designate contact points who should provide details on the way that PRB testing will be supported and conducted.

The SCG and WD should also be asked to endorse the proposals for the

- Cecina and Tevere river basins (Italy), and the
- Suldalsvassdraget river basin (Norway)

that complies with the set of requirements fixed by the SCG and WG 4.1 for the selection of PRBs.

It is important to stress that PRB testing should start before the end of 2002 if we want to meet the strict deadlines imposed by the CIS, as highlighted in the Terms of Reference (ToR) for testing finalised in October 2002 and already distributed to all PRB leaders. With this respect a point for discussion is the position of Candidate Countries that submitted proposals for PRBs through ISPA. Indeed, the time schedule for ISPA may not match with that of the PRB testing.

PROPOSAL FROM BELGIUM, FRANCE AND THE NETHERLANDS (SCHELDT)

I-River basin information	
Name: <i>SCHELDT river basin district</i>	Location: <i>Belgium (Flemish, Walloon and Brussels capital regions), France, The Netherlands</i>
Is the study area a transboundary catchment? <i>Yes</i>	Size of the catchment: <i>37170 km²</i>
Ecoregion for river and lakes: <i>Ecoregion13 - Western Planes</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 4</i>
II-Commitment and Resources	
<p>Five partners are involved: Flemish region, Walloon Region, Brussels Capital Region, France and The Netherlands</p> <p>All partners expressed their commitments on the condition that requested subsidies would be obtained. The subsidies that amount to a total of 2,938,000 Euro of which 1,700,000 will finance 34 staff, will be submitted for financing through Interreg IIIB north-west Europe (deadline 15th October 2002).</p>	
III-Institutional Aspects	
<p>The Belgium partners: Flemish region, Brussels capital region, and Walloon region, provided an extensive list of various ministries, institutions, and administrations that will participate in the project.</p> <p>The Dutch partners provided also an extensive list of various institutions including ministries and administrations that will act as partners.</p> <p>The French partners will primarily involve the Regional Directorate for Environment (Nord-Pas de Calais) and the Water Agency (Artois Picardie).</p>	
VI-NGOs and Stakeholders	
<p>The proposal includes an extensive list of at least 20 NGOs and stakeholders that will play an active role during the PRB study.</p>	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise <input checked="" type="checkbox"/>	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	
<p>The proposed PRB is part of one international pilot project aiming at testing the Guidance on Economic Analysis</p> <p>The catchment is also part of five regional or national projects in Belgium and the Netherlands focusing on identification and heavily modified water bodies and classification of Flemish rivers, lakes and transitional waters (Flemish Region), development of instruments for efficient implementation water quality related programmes (Walloon Region), Pilot project focusing on pressures and impacts (The Netherlands).</p>	
VII- Contact Point	

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PROPOSAL FROM DENMARK (ODENSE)

I-River basin information	
Name: <i>Odense Fjord / River</i>	Location: <i>Denmark (Fyn County)</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>1160 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 14</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 4</i>
II-Commitment and Resources	
<p>Three partners are involved: The Fyn County, the Danish Environmental Protection Agency (DEPA) and National Environmental Research Institute (NERI)</p> <p>The Fyn County supports annual costs around 2 MEuro (including salaries for 15 staff) for the present monitoring programme of pressures and quality of the aquatic environment. The county intends to allocate 160-320 KEuro per year to the PRB-project, covering 2-4 full staff. It is foreseen that some activities will be dealt with in co-operation with DEPA, NERI and other institutions.</p>	
III-Institutional Aspects	
Fyn County is the political and administrative regional environmental authority dealing with all compartments in the hydrological cycle.	
VI-NGOs and Stakeholders	
The proposal includes a tentative list of several NGOs and stakeholders divided between municipalities in the catchment area, Odense Water company, Odense Fjord Committee, Odense University, DHI, Danish Society for the Conservation of Nature, The Green Council in the County and the Agricultural Associations in the Fyn County	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system
VI- Related projects	

There are 3 related projects mentioned in the proposal:

- EU LIFE project Odense River/Fjord (ended in 1997).
- EU ESDD Project EUROHARP (2002-2006).
- INTERREG project BERNET (ended in 2001).

VII- Contact Point

Fyns Amt (Fyn County)

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PROPOSAL FROM FINLAND (OULUJOKI)

I-River basin information

Name: *River Oulujoki*

Location: *Finland (Province of Oulu, northern Finland)*

Is the study area a transboundary catchment? *No*

Size of the catchment: *22841 km² (~11.4% lakes)*

Ecoregion for river and lakes: *Ecoregion 22*

Ecoregion transitional and coastal waters: *Ecoregion 5*

II-Commitment and Resources

Three partners are involved: Finnish Environment Institute (SYKE) Helsinki, North Ostrobothnia Regional Environmental Centre (NOREC) Oulu, and Kainuu Regional Environment Centre (KREC) Kajaani. The total resources available for the testing amount to 55 person-months (423000 Euro/year 2003).

III-Institutional Aspects

NOREC and KREC are two of the 13 regional environmental administrations units in Finland, supervised by the Ministry of Environment and the Ministry of Agriculture and Forestry.

The project will be linked to the Northern Environmental Research Network (NorNet).

VI-NGOs and Stakeholders

The proposal includes an extensive list of at least 42 NGOs and stakeholders divided among cities and municipalities, local authorities, local research centers, educational and academic institutes, and enterprises, which will play an active role in during the PRB study.

V-Guidance documents to be tested

pressure and impact



designation of heavily modified bodies of water



classification of inland surface water status and identification of reference conditions



typology and classification systems of transitional and coastal waters



inter-calibration network and inter-calibration exercise

economic analysis

monitoring



tools on assessment and classification of groundwater



best practices in river basin planning (partly)



development of a common GIS system



VI- Related projects

There are 25 ongoing related projects mentioned in the proposal, among them:

- Decision Support Systems for WFD Implementation (2001-2002)
- Detailed guide for the implementation of the WFD in different water districts (2001-2003).
- Principles of designation for heavily modified rivers (2000-2004)
- EU LIFE Environment Projects: RiverLife, PerämeriLife

VII- Contact Point

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PROPOSAL FROM FRANCE, GERMANY AND LUXEMBOURG (MOSELLE-SARRE)

I-River basin information	
Name: <i>MOSELLE-SARRE river basin</i>	Location: <i>France, Germany, Luxembourg, Belgium</i>
Is the study area a transboundary catchment? <i>Yes</i>	Size of the catchment: <i>28152 km² (French part 56 %, Germany 32%, Luxembourg 9%)</i>
Ecoregion for river and lakes: <i>Ecoregion 8 - Western Highlands</i>	Ecoregion transitional and coastal waters: <i>–</i>
II-Commitment and Resources	
<p>The French government proposed to the Water Directors that the French team would coordinate the work on the international basin. Luxembourg and Germany (both the Federal Environment Ministry and the Environment Ministries of the two federal states involved, i.e. Rhineland-Palatinate and Saarland) agreed on a common proposal for the PRB on February 4th, 2002. The testing will be carried out in collaboration with the International Commission for the Protection of Moselle and Sarre rivers (ICPMS). The French part will be coordinated by the Water Agency “Rhin-Meuse” in collaboration with the DIREN (Regional Directorate for the Environment) Lorraine, with overall costs estimated at 300,000 Euro per year (including 3 full time staff) covered by the Water Agency “Rhin-Meuse”. The breakdown of funds to be made available by Germany and Luxembourg will be defined after a more detailed identification of the work to be carried out.</p>	
III-Institutional Aspects	
<p>The Prefect basin coordinator is in charge of implementing the WFD in France. At the national level the work is coordinated through a number of working groups. The economical and planning working group will be in charge of coordinating the integrated testing in the context of the present project.</p>	
VI-NGOs and Stakeholders	
<p>The proposal provides an extensive list of NGOs and stakeholder organised as follows: associations for the protection of the environment, consumer associations, socio-professional organisms, fishing federations, navigation commission, regional agricultural administrations, and scientific council, and various local and regional authorities.</p>	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions	typology and classification systems of transitional and coastal waters
inter-calibration network and inter-calibration exercise	economic analysis <input checked="" type="checkbox"/>
monitoring	tools on assessment and classification of groundwater
best practices in river basin planning	development of a common GIS system
VI- Related projects	
<p>The basin is part of three international projects, and several national, basin district and local projects focusing in particular on:</p> <ul style="list-style-type: none"> - flood prevention - elaboration of a working program for the implementation of the WFD in the Rhine and Meuse districts (for the period 2002-2004). 	
VII- Contact Point	

Agence de l'Eau Rhin-Meuse

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To be defined for Luxembourg and for the Rhineland-Palatinate and Saarland federal states in Germany.

PROPOSAL FROM FRANCE (MARNE)

I-River basin information	
Name: <i>Marne river basin</i>	Location: <i>France</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>12730 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 13-Western Planes</i>	Ecoregion transitional and coastal waters: --
II-Commitment and Resources	
<p>The integrated testing will be coordinated by the Seine-Normandy Water Agency, which has a local department specifically dedicated to the Marne basin. It will collaborate with the local DIREN (Regional Directorate for the Environment) and with the DIREN "Ile-de-France" which is in charge of the coordination for the whole district.</p> <p>The actual reflection group, which includes main administrations, experts and water police on Marne basin, will support the technical work. Research teams involved in the PIREN seine Research program will take part in the testing process.</p> <p>The extra costs are estimated to 300 Keuro per year (in addition to participation of the PIREN) and will be financed by the Ministry of Environment and the Seine-Normandy Water Agency.</p>	
III-Institutional Aspects	
<p>The Prefect of Seine-Normandy is in charge of implementing the WFD. The work is coordinated at the national level by working groups (as for the Moselle-Sarre PRB) conducted by the Ministry of Environment. The tools of the Agency are consensual agreement, technical advice and financial support provided to towns, industries and farmers.</p>	
VI-NGOs and Stakeholders	
<p>The proposal includes an extensive list of NGOs and stakeholders: associations for the protection of environment, consumer associations, socio-professional organisms, fishing federations, regional agricultural administrations, scientists, water suppliers, various local and regional authorities.</p>	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise	economic analysis
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system
VI- Related projects	
<p>The PIREN Seine research programme has been running since 1989 for a better comprehension of ecological processes at work on a large basin with heavy urban, industrial and agricultural pressures.</p>	
VII- Contact Point	

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PROPOSAL FROM GERMANY (NEISSE)

I-River basin information	
Name: <i>Neisse river basin</i>	Location: <i>Germany, Poland, Czech Republic</i>
Is the study area a transboundary catchment? <i>Yes</i>	Size of the catchment: <i>4403 km²</i>
Ecoregion for river and lakes: <i>Central flatlands, Central low mountain ranges</i>	Ecoregion transitional and coastal waters: <i>--</i>
II-Commitment and Resources	
The proposal has been submitted by German authorities only (StUFA at Bautzen), the situation as regards staff and finances seems to be secured. Coordination is needed with the other countries for which resources will be requested possibly through the ISPA mechanism.	
III-Institutional Aspects	
Collaboration will involve a number of Institutions in Germany attached to the Federal State of Saxony and to the Federal State of Brandenburg.	
VI-NGOs and Stakeholders	
Various NGOs and Stakeholders are listed in the original proposal.	
V-Guidance documents to be tested	
pressure and impact	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters
inter-calibration network and inter-calibration exercise	economic analysis
monitoring	tools on assessment and classification of groundwater
best practices in river basin planning	development of a common GIS system
VI- Related projects	
The Authorities identified 45 Studies, Surveys and Projects on ecological topics in the River Basin of the Lusatian Neisse	
VII- Contact Point	

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PROPOSAL FROM GREECE (PINIOS)

I-River basin information	
Name: <i>Pinios River basin</i>	Location: <i>Greece</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>9500 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 6 - Greek Western Balkans</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 6 - Mediterranean Sea</i>
II-Commitment and Resources	
The proposal states that resources will be devoted to test several guidance documents on the Pilot River Basin. The necessary resources have been included in an overall budget established for this scope.	
III-Institutional Aspects	
A long list of addresses is reported in the proposal, which includes three ministries (Environment, Agriculture, Development), national research centres, and others, but it is not clear how specific responsibilities will be assigned.	
VI-NGOs and Stakeholders	
A list of NGOs, stakeholders and academic/experts is provided, which will be extended during the testing period.	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise <input checked="" type="checkbox"/>	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	

Various projects are reported to be running on the Pinios river basin. They range from hydrological data banking to quantification of nutrient loads from agricultural sources and mapping of natural habitats.

VII- Contact Point

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PROPOSAL FROM ROMANIA AND HUNGARY (SOMES)

I-River basin information

Name: *Somes*

Location: *Romania, Hungary*

Is the study area a transboundary catchment? *Yes*

Size of the catchment:

Ecoregion for river and lakes: *Ecoregion 10 - 11*

Ecoregion transitional and coastal waters:

II-Commitment and Resources

III-Institutional Aspects

VI-NGOs and Stakeholders

V-Guidance documents to be tested

pressure and impact

designation of heavily modified bodies of water

classification of inland surface water status and identification of reference conditions

typology and classification systems of transitional and coastal waters

inter-calibration network and inter-calibration exercise

economic analysis

monitoring	tools on assessment and classification of groundwater
best practices in river basin planning	development of a common GIS system
VI- Related projects	

PROPOSAL FROM IRELAND (SHANNON)

I-River basin information	
Name: <i>Shannon river basin</i>	Location: <i>Ireland</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>14007 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 17</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 1</i>
II-Commitment and Resources	
<p>The integrated testing of Common Implementation Strategy (CIS) guidance documents in the Shannon river basin is proposed in the context of a planned river basin management project scheduled to commence mid-2002. The river basin project will run for approximately four years. Details relating to the project are more fully outlined in <i>Guidelines for the Establishment of River Basin Management Systems</i>. The Department of the Environment and Local Government is supporting the project financially in the amount of €8,255,000 over its four-year duration. Additionally, The Environmental Protection Agency will support a research fellow to work alongside the Shannon river basin project in order to aid the application and testing of CIS guidance documents during implementation of the project.</p>	
III-Institutional Aspects	
<p>Local authorities will have the primary role in promoting, establishing and implementing the Shannon project. The Shannon river basin project is being led jointly by Limerick County Council, Clare County Council, and Roscommon County Council on behalf of the 18 participating local authorities i.e. the county councils of Cavan, Clare, Cork, Galway, Kerry, Laois, Leitrim, Limerick, Longford, Mayo, Meath, Offaly, Roscommon, Sligo, South Tipperary, North Tipperary, and Westmeath together with Limerick City Council.</p>	
VI-NGOs and Stakeholders	
<p>The project will be overseen by a Technical Steering Committee comprising representatives of the lead local authorities, Department of the Environment and Local Government, Environmental Protection Agency, Geological Survey of Ireland, Department of the Marine and Natural Resources / Central Fisheries Board and other organisations as appropriate. The Steering Committee will oversee and direct the quality of the overall river basin programme.</p>	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise	economic analysis
monitoring	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	
<p>The Shannon river basin district project aims at developing a River Basin Management System, including a programme of measures designed to maintain and/or achieve at least good water status for all waters. An additional catchment scale project is EuroHARP that will develop harmonised procedures for the quantification of nutrient losses from diffuse sources. The EuroHARP project, which commences in 2002, will be completed over a four-year period and will run parallel with the Shannon River Basin District Project.</p>	
VII- Contact Point	
<p>Mr. Larry Stapleton Programme Manager, Environmental Protection Agency, PO Box 3000 Johnstown Castle Estate, County Wexford, IRELAND l.stapleton@epa.ie Tel: +353 53 60600</p>	

PROPOSAL FROM ITALY (CECINA)

I-River basin information	
Name: Cecina River Basin	Location: Italy
Is the study area a transboundary catchment? No	Size of the catchment: 903 km²
Ecoregion for river and lakes: Ecoregion 25	Ecoregion transitional and coastal waters: Ecoregion 6
II-Commitment and Resources	
The Department for the Protection of Inland Waters of the Ministry of the Environment will organise a team composed of 3 people from the Basin Technical Committee; 4 representatives of the Tuscany Region; 2 representatives from APAT; 1 representative and 1 expert of the Ministry of the Environment and Land Protection; 1 expert from the Tuscany Region and the <i>Conferenza di Bacino</i> . The costs for staff activities will be supported by the Pilot Basin project, and by individual institutions for the associated mission costs.	
III-Institutional Aspects	
The project will be managed by the relevant competent authorities at the local, regional and national levels, including: the Ministry of the Environment and Land Protection; the Toscana Costa River Basin Authority; the Tuscany Region; the Optimal Management Area Authorities (ATOs); the Districts and the Counties involved and the National Technical-Scientific Institute.	
VI-NGOs and Stakeholders	
A forum on the application of the Directive and Guidelines during the testing will be realised. NGOs and other organisations will be directly involved as appropriate	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input type="checkbox"/>
inter-calibration network and inter-calibration exercise <input type="checkbox"/>	economic analysis <input type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input type="checkbox"/>
VI- Related projects	
The Cecina river basin is involved in several national project dealing among others with the renaturalisation of the riverbed and recovery of the fluvial ecosystems, safeguarding measures relating to the prohibition of authorisation, concessions, license and permissions to remove inert material from the basin of the Cecina River	
VII- Contact Point	

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PROPOSAL FROM ITALY (TEVERE)

I-River basin information	
Name: <i>Tevere River Basin</i>	Location: <i>Italy</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>17400 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 3</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 6</i>
II-Commitment and Resources	
The Tevere River Basin Authority will make available its logistic structures for staff meetings and a Secretary Office will be established for staff support. The Guidance Documents testing will cost around 51 Keuro per year, excluding staff costs already covered, which amount to about 2 Meuro.	
III-Institutional Aspects	
<p>The following local, regional and national competent authorities will be involved in the PRB Working Group:</p> <ul style="list-style-type: none"> Ministry of the Environment and Land Protection Tevere River Basin Authority ANPA (National Agency for the Protection of the Environment) ARPA (Regional Agencies for the Protection of the Environment) Regional Authorities Optimal Management Area Authorities (ATOs). 	
VI-NGOs and Stakeholders	
The major NGOs and stakeholders listed in the proposal include ARPA, ANPA, ISS (Istituto Superiore di Sanità), IRSA (Water Research Institute), ICRAM (Italian National Institute for Research Applied to the Sea), Local Authorities in the catchment area, Environmental Associations (WWF, Legambiente, Greenpeace).	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise <input checked="" type="checkbox"/>	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	
The proposed PRB is part of national projects dealing with all aspects of the implementation of the WFD.	
VII- Contact Point	

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PROPOSAL FROM NORWAY (SULDALSVASSDRAGET)

I-River basin information	
Name: <i>Suldalsvassdraget River basin</i>	Location: <i>Norway</i>
Is the study area a transboundary catchment? No	Size of the catchment: <i>1460 km²</i>
Ecoregion for river and lakes: <i>Ecoregion20</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 4</i>
II-Commitment and Resources	
The Norwegian Water Resources and Energy Directorate (NVE) is responsible for the financial support to the PRB-study and warrants up to 100 000 EURO plus 1 man-labour year at the national management level in 2003 to manage the PRB. This PRB will also benefit from the fact that it is involved in on-going national projects aiming at the implementation of the WFD.	
III-Institutional Aspects	
The consortium will involve 7 national authorities (Norwegian Water Resources and Energy Directorate, Norwegian Pollution Control Authority, Directorate for Nature Management, Directorate of Fisheries, Coastal Directorate, Ministry of Agriculture, Norwegian Food Control Authority), 32 county administrations and 4 municipalities.	
VI-NGOs and Stakeholders	
A non-exhaustive list of 9 NGOs, stakeholders and academic/experts is provided.	
V-Guidance documents to be tested	
pressure and impact <input type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input type="checkbox"/>
inter-calibration network and inter-calibration exercise <input type="checkbox"/>	economic analysis <input type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input type="checkbox"/>
best practices in river basin planning (partly) <input checked="" type="checkbox"/>	development of a common GIS system <input type="checkbox"/>
VI- Related projects	
<ul style="list-style-type: none"> - It will run as national pilot study until 2003. - The area has been involved in a large project involving environmental management of the coastal zone - The lower part of the catchment was a test case for the Guidance Document 2.2 (HMWB) 	
VII- Contact Point	
Norwegian Water Resources and Energy Directorate Geir Taugøl P.O.Box 5091 Majorstua, NO-0301 Oslo, Norway	Tel: + 47 22 95 90 63, GSM:+ 47 93 22 79 74 Fax: 47 22 95 90 02 E-mail: gta@nve.no

PROPOSAL FROM PORTUGAL (GUADIANA)

I-River basin information	
Name: <i>Guadiana River Basin</i>	Location: <i>Portugal</i>
Is the study area a transboundary catchment? <i>No (the proposal focuses only on the Portuguese side of the river basin)</i>	Size of the catchment: <i>11580 km² in Portugal (66800 km² is the surface area of the whole river basin including the Spanish part)</i>
Ecoregion for river and lakes: <i>Ecoregion 1</i>	Ecoregion transitional and coastal waters: <i>Ecoregion 1</i>
II-Commitment and Resources	
The resources available for testing the guidance documents are included in an overall budget established under the Guadiana River Basin Plan. No additional details are provided	
III-Institutional Aspects	
One National and one regional authority are in charge of the institutional aspects. The competent national authority the Water Institute, and at the regional level the Regional Directorates for Environment and Landuse Planning (DRAOT) – Alentejo and Algarve are in charge	
VI-NGOs and Stakeholders	
A list including two NGOs/Stakeholders and two universities is reported.	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise <input checked="" type="checkbox"/>	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	
The proposed PRB is part of three national and four international projects. Among them, the Guadiana River Basin Plan, an eight year project to promote the adequate use of water resources and increase the water quality, establish correct environment conditions related to water domain, implementation of water services costs and legal framework, the STAR Project "Standardisation of river classification: Framework method for calibrating different biological survey results against ecological quality classifications to be developed for the Water Framework Directive.", and the FAME Project - "Development, Evaluation and Implementation of a Standardised Fish-based Assessment Method for the Ecological Status of European Ecological Status of European Rivers. A Contribution to the Water Framework Directive."	
VII- Contact Point	

Water Institute (INAG)

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PROPOSAL FROM ROMANIA AND HUNGARY (SOMOS)

I-River basin information	
Name: <i>Somos</i>	Location: <i>Romania, Hungary</i>
Is the study area a transboundary catchment? <i>Yes</i>	Size of the catchment:
Ecoregion for river and lakes: <i>Ecoregion 10 - 11</i>	Ecoregion transitional and coastal waters:
II-Commitment and Resources	
III-Institutional Aspects	
VI-NGOs and Stakeholders	
V-Guidance documents to be tested	
pressure and impact	designation of heavily modified bodies of water
classification of inland surface water status and identification of reference conditions	typology and classification systems of transitional and coastal waters
inter-calibration network and inter-calibration exercise	economic analysis
monitoring	tools on assessment and classification of groundwater
best practices in river basin planning	development of a common GIS system
VI- Related projects	

PROPOSAL FROM SPAIN (JÚCAR)

I-River basin information	
Name: <i>Júcar</i>	Location: <i>Spain</i>
Is the study area a transboundary catchment? <i>No</i>	Size of the catchment: <i>22075 km²</i>
Ecoregion for river and lakes: <i>Ecoregion 1 - Iberico Macaronésica</i>	Ecoregion transitional and coastal waters: <i>6 - Mediterranean Sea</i>
II-Commitment and Resources	
Responsible for the application of the Guidance documents will be the Confederación Hidrográfica del Júcar. The resources allocated to the project are estimated in 25 man months per year (~300 K euro/year).	
III-Institutional Aspects	
The Júcar river basin includes three different Autonomous Communities (Valencia, Castilla-La Mancha, Aragon), which are all represented within the Confederación.	
VI-NGOs and Stakeholders	
The proposal will ensure the participation of NGOs and Stakeholders. However, these have not been expressly identified in the proposal at present.	
V-Guidance documents to be tested	
pressure and impact <input checked="" type="checkbox"/>	designation of heavily modified bodies of water <input checked="" type="checkbox"/>
classification of inland surface water status and identification of reference conditions <input checked="" type="checkbox"/>	typology and classification systems of transitional and coastal waters <input checked="" type="checkbox"/>
inter-calibration network and inter-calibration exercise <input checked="" type="checkbox"/>	economic analysis <input checked="" type="checkbox"/>
monitoring <input checked="" type="checkbox"/>	tools on assessment and classification of groundwater <input checked="" type="checkbox"/>
best practices in river basin planning <input checked="" type="checkbox"/>	development of a common GIS system <input checked="" type="checkbox"/>
VI- Related projects	
The activities contribute to the establishment of a database "Sistema Integrado de información Hidrológica GESHIDRO". Five additional specific projects are also identified. The river basin is the object of a hydrological plan approved in 1998, which defines the main orientations and priorities for the management of water resources.	
VII- Contact Point	
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