

PARTNERSHIP INITIATIVES INFORMATION SHEET

Name of the Partnership/Initiative

Sustainable water management in the Balkan and Southeast Mediterenean area

Expected date of initiation: 1.1.2003

Expected date of completion: 31.12.2005

Partners Involved:

a. (Regional authorities)

1. Region of Crete (Hellas)
2. Region of Central Macedonian (Hellas)
3. Region of Eastern Macedonia and Thrace (Hellas)
4. Provence – Alpes – Cote d'Azur (France)
5. Region of Gjirokastra (Albania)
6. Municipality of Doirani (Fyrom)
7. Region of Sofia Capital (Boulgaria)
8. Republic of Cyprus
9. Individual Cities of European and non European participating Regions

b. (Universities- Research institutes)

1. Institute of Marine Biology of Crete (Hellas)
2. University of Crete (Hellas)
3. Technological and Educational Institute of Thessaloniki (Hellas)
4. University of Gjirokastra (Albania)
5. Geo Marine center, Ltd (Boulgaria)
6. Mediterenean institute of Quality (IMQ) (France)

c. (International organizations)

1. Council of Europe's EUR-OPA Major Hazards Agreement

Leading Partner: Region of Crete

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Main objectives of the Partnership/Initiative

Please provide a brief description:

- To develop and implement a plan for integrated management of water resources by introducing the concept of risk management emphasizing on drinking water and irrigation to counter-act widespread water scarcity in the regions involved.

➤ To develop the adequate “critical mass” of human resources, infrastructure, technical and methodological tools, on local level referring to Balkan areas and Southeast countries that can ensure the improvement of the level of offered services to the citizens by securing:

a. The qualitative and quantitative control of the water resources and through this, the prevention of hazardous situations to public health, properties and environment due to local and trans-frontier caused pollution to the water resources, as well as the prevention of disasters due to draughts or floods in the Balkan and South Mediterranean Countries area, by the early warning of the Local Authorities.

b. The discourage of the potential “pollution contributors” and organizations, industries, farmers and individuals which overuse the water resources.

The proposed objectives satisfy vital practical requirements of the participating areas such as the adequacy of drinking and bathing water, confrontation of disaster and prevention of human lives, etc. while they contribute to the economic and social development of the areas involved.

The trans-regional co-operation secures the success of the proposed objectives by the direct involvement of Organizations that already work on regional level to the above mentioned issues and they have direct knowledge of existent problems and responsibility of water management.

It facilitates the technology and experience transfer from European regions to Balkan areas regarding national models of water management and the adoption of European directives concerning the quality of water and prevention of high risks.

Please also provide a brief description of the relationship of the Partnership/Initiative with the objectives of Agenda 21 as well as relevant goals and objectives of the United Nation Millennium Declaration:

1. The development of an adequate "critical mass" of human resources, infrastructure, technical and methodological tools, on local level to manage risks on water resources.
2. The prevention of hazardous situations to public health, properties and environment due to regional or transfrontier pollution to water resources by using methodological of early warning of local authorities.
3. The incorporation of EU regulations and standards to the every day water management and their introduction to the national legislation.

Expected results:

Please provide a brief description:

- ◆ The definition of partners’ requirements as it concerns water resources management.
- ◆ The establishment of remote operational monitoring stations of meteorological and

hydrological parameters.

- ◆ The establishment of water quality monitoring system in each region.
- ◆ The training of persons on the water quality and quantity parameters monitoring techniques.
- ◆ The development of a relation Regional and databases for data processing.
- ◆ The establishment of regional and interregional workstations.
- ◆ The training of persons on computer techniques.
- ◆ The development of an analytical software and water management methodologies. The Development of an interregional website for data dissemination.
- ◆ The assistance of decision-makers in giving appropriate attention to water management issues and aspects when assessing project/programmes feasibility.

Specific targets of the Partnership/Initiative and timeframe for their achievement:

Detailed work program

PHASE A [1.1.2003 – 31.6.2003]

➤ Definition of Partner's requirements)

Objectives

Following the general survey that we already have carried-out to identify the general requirement of each one of the partners, we plan to implement detailed surveys with objective :

- To identify the detailed requirements of a water management and high risk system in both levels of quality and quantity in the participating areas.
- To provide detail information of the socio-economic, natural, technological and institutional framework in the areas under investigation as it concern water resources management.
- To select the appropriate target water resources (hot spots) and catchment areas for the implementation of the pilot action.
- To provide a detailed specification of the necessary developments.

Brief description

Collection, dissemination within partners and evaluation of information related to risk management and in particular dealing with water management , the methodology and control measurements applied in Participating areas , standardisation of approach ,methods and equipment needed for the surveillance and assessment of water resources.

PHASE B [31.6.2003 – 31.12.2004]

➤ Field testing and monitoring of appropriate water resources parameter in selected areas (Regional actions under the co-ordination of the PCM)

Objective

This phase will establish a common monitoring system as it concerns quality control and hydrological and meteorological parameters measurement in the participating areas.

The objectives of this phase are:

- The development of common methodologies and structures for the

implementation of quality and quantity control of the surface and/or underground water in the Balkan Peninsula.

- To purchase the necessary quantity measurement stations and quality analysis test - Kits.
- To design common data bases for the data processing.
- To undertake on-going evaluation of the functionality of the systems and of the identification of the potential problems.

Brief description

Field testing of appropriate technology. Participation in a co-ordination of collaborative research on the assessment of water characteristics (quality, meteorological, hydrological). Participation in the organisation of inter- regional and regional group training activities for public and /or private water authorities personnel .Purchase of necessary equipment for water resources field work and testing , on going evaluation of the systems functionality. Identification of potential problems.

PHASE C [1.1.2004 – 31.6.2005]

➡ *Development of an interregional telematic network for water management incorporating high risk issues.*

Objectives

To design and establish of an interregional telematic network which will facilitate the continuous communication and flow of information between partners. The database system will facilitate storage and retrieval of primary data which will be provided to the system in forms suitable for digital storage in a computer.

Development of dedicated Internet web-site for the electronic communication and dissemination of the database information between partners. The database system will facilitate storage and retrieval of primary data, which will be provided to the system in forms suitable for digital storage in a computer.

Brief description

Develop the software which will support the Interregional water management system consisting for four components:

- -The regional database system
- -The interregional database system
- -The system for the analysis of data
- -The system for the dissemination of information (web-site)

The database system will facilitate storage and retrieval of primary data, which will be provided to the system in a form suitable for digital storage in a computer

Purchase and establishment the necessary equipment for the operation of the system (Regional and Interregional Components).

Organizing interregional and regional group training activities for personnel allocated to the data management and telematic network operation.

PHASE D. [1.1.2005 – 31.12.2005]

➡ *System assessment and evaluation)*

Objectives

During this phase the verification of the developed system will be performed. All components installed during the other phases will be verified and their global quality will be studied and evaluated. Also, during this phase several reports will be produced which will be:

- The Assessment of the Quality of the provided Service (usability). The main factor to be assessed is the effectiveness, the efficiency and the satisfaction of the users.
- The technical and operational verification. The different operational problems will be identified such as incompatibilities between modules, network bottlenecks etc, and corrective actions will be proposed.
- Lessons Learned. The most relevant lesson learned, is the experience gained and especially as far as how to proceed in developing and operating telematic systems in Balkan area as far as Risk management is concerned. This will be the basis for dissemination purposes.

Brief Description

Assessment of the system developed. Definition of the requirements for the system sustainability and large-scale usability. Additions/modifications to be made for managing risks such as floods and protection of rural areas. Preparatory actions focused on potential future adoption of the European Directives. Identify areas of common interest in transboundary areas for the development of common catchment basin programs.

PHASE E [1.1.2003 – 31.12.2005]

➡ *Horizontal Activities)*

Objectives

- ◆ **Production and dissemination of guidance documents**, teaching aids and awareness raising material for technical staff, policy-makers and partners as well as general public. These information documents translated in all involved languages will describe technologies from the simple field testing to the telematic network operation.
- ◆ **Publicity and awareness campaign**
- ◆ **Dissemination actions of project results**

Coordination and Implementation mechanism

Please provide a brief description of expected coordination/implementation mechanism of the Partnership/Initiative.

Project Management organization is the following. There are 3 levels of management: strategic, operative and day- to - day.

At the strategic level one representative in the Project Steering (PSC) will represent each principal partner. The project leader chairs the PSC. Partner representatives are the only people

empowered to take executive decisions and transact legal agreements on behalf of their organization with relation to the project. PSC meetings are organized twice.

At the highest operative level, each principal partner has the right to be represented by its local coordinator and one additional person in the Project management Committee (PMC). The representative of the project activities and safeguards the overall quality of deliverables prior to their submission. In between the meetings of the PMC the project coordinators will carry on the technical coordination work.

Regional working groups (RWG) will be constituted to support the work of PMC. Their role and responsibilities are described in the corresponding section.

Additionally a "**Task Force for exchange**" will be created for the effective transfer of existing know-how and best practice. Members of this task force will be persons involved with the technical issues being addressed by the project as well as persons with administrative and decision making roles in their relevant regional authorities and institutions.

Day-to-day working one given phase will be followed by the respective phase leaders.

CO - ORDINATOR

Roles and Responsibilities

The Project Co-ordinator is responsible for the representation of the consortium towards the Financing body and third parties. The Co-ordinator is responsible for the relationships and correspondence with the Financing body and third parties, including, without limitation, the submission of the Reports to the Financing body and thereafter the co-ordination for further negotiation of the Contract and amendments if they are needed.

Project co-ordinator's responsibilities are:

1. To co-ordinate management bodies for appropriations.
2. Supervision of the progress relative to the time schedule or otherwise set up by common agreement of the Parties.
3. To present work plans, task assignment, schedules and deliverables to PSC.
4. The financial control of the project, and particularly the collection of the EU partner documents and cost and other statements and forward the consolidated statement thereof to the Financing organization.
5. To consolidate and supervise the economic-administrative information. Co-ordination and implementation of financial and progress reporting and submission of the reports to the Financing organization.
6. To communicate any documents connected with the Project between the Partners and from the Partners to the Financing body and vice-versa including without limitation, the reports required by the EC Contract to be submitted to the Financing body after their approval by the Project Steering Committee.
7. To take care for the adequate Quality Control of all deliverables and project reports.
8. To participate directly or through other 'Project Participant' in any co-ordination meetings,

<p>public conferences or any other activities related with the dissemination of project objectives and results.</p> <p>9. To support the organisation of the various project meetings in EU areas.</p> <p>10. To receive instalments from the Financing body and transfer funds appropriately to the other partners if necessary.</p> <p>11. To co-ordinate the external relations of the Consortium.</p>										
<p>Arrangements for funding Please describe available and/or expected sources of funding for the implementation of the Partnership/Initiative (e.g. donor government(s); international organization(s)/financial institution(s); foundation(s); private sector; other major groups, etc.)</p> <p><u>Estimated total budget of the project</u></p> <table> <tr> <td>PHASE A: 60.000 EURO</td> <td>[1.1.2003 – 31.6.2003]</td> </tr> <tr> <td>PHASE B: 460.000 EURO</td> <td>[31.6.2003 – 31.12.2004]</td> </tr> <tr> <td>PHASE C: 240.000 EURO</td> <td>[1.1.2004 – 31.6.2005]</td> </tr> <tr> <td>PHASE D: 220.000 EURO</td> <td>[1.1.2005 – 31.12.2005]</td> </tr> <tr> <td>PHASE E: 220.000 EURO</td> <td>[1.1.2003 – 31.12.2005]</td> </tr> </table> <hr/> <p>Total: 1.200.000 EURO</p>	PHASE A: 60.000 EURO	[1.1.2003 – 31.6.2003]	PHASE B: 460.000 EURO	[31.6.2003 – 31.12.2004]	PHASE C: 240.000 EURO	[1.1.2004 – 31.6.2005]	PHASE D: 220.000 EURO	[1.1.2005 – 31.12.2005]	PHASE E: 220.000 EURO	[1.1.2003 – 31.12.2005]
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<p>Arrangements for capacity building and technology transfer Please include information if the Partnership/Initiative provides for training, informational support, institutional strengthening and/or other capacity building measures:</p> <ul style="list-style-type: none"> ➤ Experts' missions and reports. ➤ Organization of workshops and seminars. ➤ Organize exchange of experience visits. <p>Please also provide here a brief description of expected arrangements for technology transfer (if applicable).</p>										
<p>Links of Partnership/Initiative with on-going sustainable development activities at the international and/or regional level (if any) Please provide a brief description: The initiative is linked to INTERISK project financed by ERDF under the framework of ECOS-OUVERTURE- PHARE (External Interregional cooperation).</p>										
<p>Monitoring Arrangements Please describe expected arrangements for monitoring of progress in the implementation of Partnerships/Initiative after it will be launched at the WSSD: (e.g. frequency/modalities of preparation of progress reports; electronic updates, news-letters, etc)</p>										

Other relevant information:

Web-site (if available): <http://interisk.imbc.gr>

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