STANDARD SUMMARY PROJECT FICHE

1. Basic Information

1.1 Désirée Number: CZ01-06-02
    Twinning Number: CZ01/IB/EN/01
1.2 Title: Implementation of Water Framework Directive
1.3 Sector: Environment
1.4 Location: Czech Republic

2. Objectives

2.1 Overall Objectives:
The overall objective is to take on the obligations of membership of the European Union including adherence to the aims of the political, economic and monetary union, and the acquis communautaire.

2.2 Project Purpose:
The project is intended to achieve the full compliance with the “Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for Community action in the field of water policy” (the Water Framework Directive) by 2015 and 2027 according to the deadlines set by the Directive.

2.3 Accession Partnership and NPAA priority
The Accession Partnership of 1999 identified as a short term priorities in the environment sector:
„accelerate the transposition and enforcement of framework legislation in the areas water quality, waste management, Integrated Pollution Prevention Control, nature protection and air quality,“

and one of the medium term priorities in the environment sector is:
„complete transposition and implementation of framework and sectoral legislation; continue strengthening administrative capacity, monitoring and enforcement capacity,“

The project will contribute to the achievement of both of these aims.

The National Programme for the Preparation of the Czech Republic for Membership of the European Union, and the Approximation Strategy which forms part of this programme, both refer to the importance of improving water legislation and its implementation.

2.4 Contribution to National Development Plan
The most recent Strategy for Approximation in the Environment sector is dated 3rd March 2000 and makes reference to the Water Framework Directive. No details of the implementation requirements of this Directive are given in the strategy, as the text of the Directive had not been finalised at the time of publication of the strategy. However, the Czech Republic is currently introducing implementation plans for all the Directives in the acquis communautaire including those in the water sector and an implementation plan for the Water Framework Directive will be developed prior to the commencement of the project.
2.5 Cross Border Impact
The Czech Republic drains into three seas, the North Sea, via the Elbe River, the Baltic Sea, via the Oder River, and the Black Sea via the Danube River. The knowledge and output from the project will be used in preparing international river basin management plans and protecting transboundary waters in accordance with the International Conventions for the Protection of the Basins of the Elbe, Oder and Danube Rivers.

3. Description

3.1 Background and Justification:
Compliance with the current Community legislation in the water sector requires considerable institution building in the Czech Republic, including the development of regulatory and enforcement operations for the Dangerous Substances, Groundwater, Nitrates, Drinking Water, IPPC and Urban Waste Water Treatment Directives. However additional types and volumes of capacity will be needed to adopt the wide-ranging holistic approach required by the Water Framework Directive.

The Water Framework Directive is by far the largest Directive in the water sector and will require new approaches to water management to be developed, not only in candidate countries, but also in existing Member States. The Directive requires Member States to produce integrated River Basin Management Plans, which will ensure the achievement of ecological objectives for rivers, lakes, groundwater, transitional waters and coastal waters. These plans will require the continued application of much of the existing water legislation, such as the Urban Waste-Water Treatment Directive, the Integrated Pollution Prevention and Control Directive, and the Drinking Water Directive but will also require the River Basin Management Plans to incorporate new regulatory measures. These measures will include controls over water abstraction, diffuse pollution, and hydromorphological alterations, as well as more novel measures such as economic instruments. In addition the Directive will repeal a number of existing Directives, including the Dangerous Substances Directive (76/464/EC) and replace them with new more stringent and extensive provisions.

Although the Water Framework Directive is sector specific, i.e. environmental objectives relate solely to water bodies, the requirements for environmental management to achieve these objectives will require Member States to devise institutional structures where these water specific objectives are taken into account in, if not directly incorporated into, strategies for air-quality improvement, waste management, spatial planning and development control. This is not currently a feature of Community legislation in the water sector.

The project will assist the Czech Republic in managing the transition between the current Water Directives (four of which are being addressed through the PHARE 99 twinning project) and the Water Framework Directive. The project will also assist the Czech Republic to participate in the Community-wide implementation strategy which is being developed for this Directive.

3.2 Linked Activities:
The PHARE Project CZ99 IB EN 01 on Implementation Strategies for EC Water Directives in the Czech Republic, will be carried out in the period from September 2000 to April 2002. This
Project addresses four directives in the water sector, namely dangerous substances, groundwater, nitrates and drinking water. The main aim of the project is to ensure that the Czech Republic implements the requirements of the four Directives as appropriate by the reference date of accession, i.e. by 1 January 2003. In addition, the measures will contribute to preparation for the implementation of the Water Framework Directive. The dangerous substances and groundwater directives will be repealed by the Framework Directive, but their basic requirements will be included in Articles 11 and 16 of the Framework Directive. The nitrates and drinking water directives will remain in force, and measures taken pursuant to them are to be incorporated into the river basin management plans required by the Framework Directive.

A project has been proposed under the ISPA programme for the development of environmental monitoring of surface and groundwater in the Czech Republic in fulfilment of the requirements of existing EU legislation in the field of water monitoring. Although the requirements of the Framework Directive have not been included in this project, many of the environmental monitoring activities required by older Directives will be continued within the scope of the Water Framework Directive, although further investment will be required to ensure all the environmental monitoring requirements of the Framework Directive are met. Pilot components for these investments have been included in this project.

3.3 Results:
The project will produce a series of guaranteed results leading to the revision of the draft implementation plan for the Water Framework Directive and the fulfilment of a number of the requirements of that plan:

Analysis and assessment of the Implementation Plan for the Water Framework Directive in the Czech Republic, including consideration of the institutional arrangements necessary for compliance with the requirements of the Directive. This analysis will assist the Czech Republic in determining whether the implementation plan is in compliance with the requirements of the Directive, and to make changes if necessary.

Preparation of draft secondary legislation to give effect to the Water Framework Directive. Many of the requirements of the Directive have been provided in the new Water Law. Therefore much of the legislation that will be needed will be in the form of secondary legislation or statutory guidance to be adopted by the water authorities. In view of the difficulty in amending primary legislation, it is not intended to amend the new Water Law\(^1\) as part of this activity. This drafting process will assist the Czech Republic in complying with the transposition requirement set in Article 24 of the Directive.

The project will produce a draft management plan for a single pilot sub-basin. This activity will include the development of draft manuals describing methodologies and procedures for River Basin Management Planning as required by Article 13 of the Directive. Included in this part of the project will be demonstration projects which result in the production of „Analyses of Natural Characteristics“ for the selected sub-basin, in part fulfilment of the requirements of Article 5 of the Directive. Training in the

\(^1\) It should be noted that the proposed Water Law has been fully prepared and is the subject of consideration by the Parliament of the Czech Republic at the end of the year 2000. It will come into force in the first half of 2001.
procedures and the techniques used in this analysis, and in the preparation of final plans and programmes will be provided for a selected group, who will subsequently be utilised as trainers. The training will be provided for sufficient representatives from relevant authorities and institutions involved in implementation of the Directive in each of the procedures to cover subsequent training needs in the Czech Republic. It should be recognised that all three main river basins in the Czech Republic will be defined as International River Basin Districts under Article 3 of the Directive. As such the basin plans for the Czech Republic will need to be the subject of international co-operation and coordination. Although the Czech Republic has considerable experience in these matters as a result of its participation in the International Commissions for the Oder, Danube and Elbe, the coordination process will present many problems and these problems should be addressed in the course of this part of the project.

Development of draft manuals describing permitting and enforcement procedures for the regulatory controls specified in Article 11 of the Directive. These drafts will be submitted for ratification at an inter-Ministerial level. Training in these procedures will be initiated for a selected group, who will subsequently be utilised as trainers in line with item 3 above.

Development of environmental monitoring systems as required by Article 8 of the Directive, specifically the development of protocols for the referential assessment of ecological quality through the use of biological indicators as specified in Annex V of the Directive. Detailed systems will be developed for assessment of macrophytes, algae, invertebrates and fish. Training will be provided in these systems for selected staff as per item 3 above. This component will include support and assistance in the development and application of methods enabling the identification and designation of “significantly modified water bodies” and assessment of “good ecological potential”.

The development of a strategy for stakeholder involvement. The project will consider the strategies which might be employed in fulfilment of the requirements Article 14 of the Directive, particularly to ensure that “Member States shall encourage the active involvement of all interested parties in the implementation of this Directive, in particular in the production, review and updating of the river basin management plans.” The project will produce a recommended strategy for adoption by the competent authorities.

The project will be continually monitored through the production of interim progress reports in addition to the final reports for each of the five guaranteed results mentioned to above. Where relevant and beneficial, opportunities will be provided for the trainees referred to in paragraphs 3 and 4 above to experience first-hand the application of the appropriate techniques in existing Member States.

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2 It should be noted that Article 3 of the Water Framework Directive does not require Member States to designate competent authorities until three years after the date of publication of the Directive. Therefore the authorities responsible for the Directive have yet to be precisely designated in the Czech Republic, but are expected to comprise the Ministry of Environment, the Ministry of Agriculture, the Water Authorities, the State Land Reclamation Authority and the Czech Hydrometerological Institute.
Scope of the twinning Assignment

The project will be focused on the implementation of Council Directive establishing a framework for Community action in the field of water policy. The project should cover the following areas:

The Analytical components of River Basin Management Planning
- Strategies for achievement of environmental objectives in individual catchments
- Identification and designation of significantly modified water bodies (methods and procedures)
- Economic aspects of water use
- Integrated groundwater management

The Regulatory provisions of the Directive
- Controls over waters used for the abstraction of drinking water, priority list substances, and protected areas
- Recovery of costs for management of water services

The Environmental Monitoring and Assessment Requirements of the Directive, especially those concerning:
- Environmental impact of human activities
- Monitoring of surface water status, groundwater status and protected areas, especially monitoring ecological status and ecological potential

Practical Implementation of the Directive
- Devising Programmes of Measures
- Public information and consultation mechanisms
- Management of data for reporting purposes

As the Czech Republic has no coastline, neither transitional waters nor coastal waters will be included within the scope of this project.

3.4 Activities:
The project will require full involvement of one long-term pre-accession advisor (PAA) who will take up permanent residence in Prague for the full duration of the twinning project (eighteen months) and will provide the general expertise in all matters related to the project. The pre-accession adviser should be familiar with the Water Framework Directive and have a good working knowledge of the implementation of EU water legislation. He/she should also be familiar with the state administration practices including co-ordination and co-operation of the state authorities with subsidiary bodies and technical institutions.

For the purpose of guaranteed result 3, in particular the preparation of the pilot river basin plan a medium-term expert would be required. This expert should be familiar with the Directive and have extensive recent experience in the field of river basin management.

The PAA will be assisted by a number of short and medium term experts, who will have detailed practical knowledge and experience of the areas listed in section 3.3 above.
Investment Component

The completion of the practical activities in respect of guaranteed results 3 and 5 will require investment in additional equipment and facilities: Value: 0.475 MEUR. This investment will be co-financed by the Czech Republic (0.125 m Euro) and the PHARE programme (0.35 m Euro).

Part 1 – Information Systems for River Basin Analysis (0.M, Result 3)

Analyses of this sort require the extensive use of Geographical Information Systems and data management. Investment will be required to ensure that such a system is available for this project and the subsequent implementation of the project. (0,1 m Euro)

This equipment should be sufficient to allow the completion of draft river basin analyses in one sub-basin.

Investment of 0,1 m Euro will be used for (Tender 1):

- Computer Hardware including:
  - GIS server
  - GIS terminals
  - Digitiser
  - Plotter and Printer
  - Associated networking equipment
- Computer Software including operating system and GIS software licence
- Installation and testing
- Training for relevant staff in the use of the equipment and the software

Part 2 – Equipment for Aquatic Monitoring (0.375 M, Result 5)

Aquatic monitoring as required by the Directive, can only be efficiently and effectively undertaken at the scale and frequency required by the Directive through the use of modern equipment and facilities: investment will be required to provide these. (0,375 m Euro)

Investment of 0,375 mEuro will be used for (Tender2)

- Equipment for Laboratory, Ecological and Environmental Monitoring
- Installation and Testing of equipment
- Training of staff in the use of equipment

4. Institutional Framework

Ministry of Environment (Department of Water Protection) is the responsible body for overall harmonisation and implementation of environmental legislation. It organises liaison and cooperation among all involved institutions.

Ministry of Agriculture is the central authority of the state administration for water management except for protection of natural accumulation of water, protection of water resources and protection of quality of surface water and groundwater.
The Ministries of Agriculture and the Environment have confirmed their commitment to closely co-operate during the preparation and implementation phases of this project. The Ministries will continue to work together on their specific areas of competence within the framework of the project, as they already do within the inter-ministerial working group on implementation of EU water legislation consisting of representatives of the relevant ministries, bodies and institutions.

5. Detailed Budget on M €

<table>
<thead>
<tr>
<th>Project Components</th>
<th>Investment Support</th>
<th>Institution Building</th>
<th>Total Phare (I + IB)</th>
<th>National Co-financing</th>
<th>IFI</th>
<th>TOTAL</th>
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<td>(2) Contract Investment Component</td>
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<td>0,125</td>
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6. Implementation Arrangements

6.1 Implementing Agency
The CFCU is the Implementing Agency responsible for tendering, contracting and accounting. The project will be administered by CFCU: Mr. Jan Slavíček, CFA, kpt. Jaroše 1000, Praha 7, Czech Republic.

6.2 Twinning
The PAA will be fully integrated in the Water Protection Department of the Ministry of the Environment and be in daily contact with its staff and the staff of other responsible ministries and relevant institutions including the Ministry of Agriculture, the Ministry of Health and their associated institutions.

The Ministry of the Environment will provide the PAA and experts with the office accommodation and equipment to ensure appropriate and effective working conditions at the day of the arrival of the PAA.

The Czech Republic will establish a Steering Committee for the management of the project. The Committee will include representatives of all the responsible Ministries and relevant institutions. Project Working Groups will be established for each component of the project.

Contact person:
Mr Jaroslav Kinkor
Director of Department of Water Protection
Ministry of Environment
Vrsovice 65
100 10 Prague 10
Czech Republic
Tel: +420 2 6712 2473
Fax: +420 2 6731 0920
E-mail: kinkor@env.cz
6.3. Contracts

1. Contract Twinning Covenant
2. Contract Supply of Equipment

7. Implementation Schedule

<table>
<thead>
<tr>
<th>Twinning Component</th>
<th>Commence</th>
<th>Complete</th>
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</thead>
<tbody>
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<td>Twinning Selection</td>
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<td>4Q/2001</td>
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<td>Contracting</td>
<td>1Q/2002</td>
<td>2Q/2002</td>
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<tr>
<td>Implementation</td>
<td>3Q/2002</td>
<td>4Q/2003</td>
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</table>

<table>
<thead>
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<th>Investment Component</th>
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<th>Complete</th>
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<tr>
<td>Contracting</td>
<td>4Q/2002</td>
<td>4Q/2002</td>
</tr>
<tr>
<td>Implementation</td>
<td>1Q/2003</td>
<td>1Q/2003</td>
</tr>
</tbody>
</table>

8. Equal Opportunity

Equal opportunity principles and practices in ensuring equitable gender participation in the project will be guaranteed.

9. Environment       NA

10. Rates of return   NA

11. Investment criteria NA

12. Conditionality and sequences

The project Phare 2001 will be linked to the project Phare 1999 CZ99 IB EN 01 on Implementation Strategies for EC Water Directives in the Czech Republic, which should be completed by the time this project commences.

Annexes to Project Fiche

1. Logical Framework Matrix
2. Detailed Implementation Chart
3. Contracting and Disbursement Schedule
4. List of relevant Laws and Regulations
### LOGFRAME PLANNING MATRIX FOR

<table>
<thead>
<tr>
<th>Programme name and number:</th>
<th>CZ01-06-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contracting period expires:</td>
<td>31/10/2003</td>
</tr>
<tr>
<td>Disbursement period expires:</td>
<td>31/10/2004</td>
</tr>
<tr>
<td>Total Budget:</td>
<td>1,225 M€</td>
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<tr>
<td>Phare contribution:</td>
<td>1,1 M€</td>
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</table>

#### Project Implementation of Water Framework Directive

<table>
<thead>
<tr>
<th>Overall objective</th>
<th>Objectively verifiable indicators</th>
<th>Sources of verification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to take on the obligations of membership of the European Union including adherence to the aims of the political, economic and monetary union, and the acquis communautaire.</td>
<td>Acknowledgement by the European Commission</td>
<td>EC Regular Reports</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project purpose</th>
<th>Objectively verifiable indicators</th>
<th>Sources of verification</th>
<th>Assumptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>To ensure the full implementation of the “Directive 2000/60/EC of the European Parliament and the Council establishing a framework for Community action in the field of water policy” (the Water Framework Directive), particularly the fulfilment of requirements for transposition (Article 24), River Basin Management Planning (Articles 3, 4, 5, 13 and 14), Regulatory Control (Article 11) and Monitoring (Article 8), with the ultimate aim of ensuring full compliance with the Directive by</td>
<td>Degree of compliance with the Water Framework Directive, in particular:</td>
<td>Submission of information required under the Directive</td>
<td>National activities and institutional capacity on transposition and implementation of the Water Framework Directive are established and co-ordinated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No enforcement action taken by the Commission prior to 2009</td>
<td>Reports on the activities of the International Commissions for the Elbe, Oder and Danube River Protection</td>
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<tr>
<td></td>
<td></td>
<td>No conviction by the European Court of Justice prior to 2009</td>
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<td>2015, or 2027, according to the deadlines set by the Directive</td>
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### Results

<table>
<thead>
<tr>
<th></th>
<th>Objectively verifiable indicators</th>
<th>Sources of verification</th>
<th>Assumptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Implementation plan for the Directive including the institutional changes necessary to give effect to the River Basin Management Planning procedure set out in the Directive – review will be completed</td>
<td>Amendment of implementation plan for subchapter on water quality to ensure compliance with the requirements of the Directive.</td>
<td>Other parts of the acquis for water and environment are implemented</td>
</tr>
<tr>
<td>2.</td>
<td>Draft secondary legislative measures to give effect to the Directive – will be prepared</td>
<td>Submission to Government of draft secondary legislation made pursuant to the new Water Act.</td>
<td>PHARE 99 twinning project in water sector is successfully completed</td>
</tr>
<tr>
<td>3.</td>
<td>A draft river basin management plan for a pilot sub-basin including draft manuals describing methodologies for River Basin Management Planning as required by the Directive – will be prepared</td>
<td>Draft River Basin Management Plan for one pilot sub-basin</td>
<td>The new Water Act transposing the principal requirements of the Water Framework Directive, to come into force in 2001 is completed (This law has been submitted by the Government to the Parliament for approval during the first session of 2001.)</td>
</tr>
<tr>
<td>4.</td>
<td>Draft manuals describing permitting and enforcement procedures as required by the Directive – will be prepared</td>
<td>Draft manuals and technical documents describing methodologies for River Basin Management Plans, enforcement and monitoring are submitted to the competent authorities for adoption.</td>
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<tr>
<td>5.</td>
<td>Environmental monitoring systems as required by the Directive – will be developed</td>
<td>Training of sufficient representatives from relevant authorities and institutions involved in implementation of the</td>
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<tr>
<td>6.</td>
<td>A draft stakeholder strategy for adoption by the competent authorities – will be produced</td>
<td>Training of sufficient representatives from relevant authorities and institutions involved in implementation of the</td>
<td></td>
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</tbody>
</table>

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3 It should be noted that Article 3 of the Water Framework Directive does not require Member States to designate competent authorities until 2004. Therefore the authorities responsible for the Directive have yet to be precisely designated in the Czech Republic, but are expected to comprise the Ministry of Environment, the Ministry of Agriculture, the Water Authorities, River Basin Corporations (Povodi), the TG Masaryk Water Research Institute and the Czech Hydrometerological Institute. In addition a role will be played by the new Regional Authorities – training for up to 30 personnel may be required.
<p>| Directive in each of the procedures and in the preparation of final plans and programmes to allow subsequent training needs in the Czech Republic to be satisfied using domestic expertise. |  |  |</p>
<table>
<thead>
<tr>
<th>Activities</th>
<th>Means</th>
<th>Assumptions</th>
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<tbody>
<tr>
<td>1. REVIEW OF DRAFT IMPLEMENTATION PLAN – The project will review the implementation plan for the Directive. The institutional capacity of the Czech Republic in the water sector is being developed to deal with the existing body of Community water legislation, but will require further changes to address the new requirements of the Framework Directive which have not previously been contained in Community legislation on water, including: Regulatory control of abstraction, diffuse pollution other than nitrates, and activities giving rise to hydrological or morphological alterations to water bodies, including construction works Charging for water services The production of River Basin Management Plans Public participation in decision making at local and regional level The review will analyse whether adequate institutional, budgetary and legislative provisions have been made in the implementation plan to deal with these new burdens.</td>
<td><strong>Twinning</strong> The Twinning will be a joint co-operative venture between the Ministry of Environment, the Ministry of Agriculture and their associated institutions including the Water Authorities, the State Land Reclamation Authority and the Czech Hydrometeorological Institute. The project will require: - Secondment of a long-term expert to the Ministry of Environment to act as a pre-accession adviser for entire duration of project (18 months). The secondee must be familiar with all aspects of the Water Framework Directive and have practical experience in its implementation. - Secondment of one medium-term expert to the Ministry of Environment in association with the Ministry of Agriculture and the Water Authorities to manage the preparation of a full sub-basin analysis and plan (up to 12 months). The Secondee must have detailed experience of river-basin management planning. - Short term experts will be required to address the following items. Estimates of the numbers of days input are indicated: - Transposition of European Legislation into Czech legislation 30 man days - Abstraction Licensing 30 man days - Controlling Diffuse pollution 40 man days - Enforcement Procedures 30 man days - Biological monitoring including invertebrate,</td>
<td>• Availability of suitable PAA • Availability of suitable short term experts • Availability of suitable equipment, information systems and data for activity 3; • Availability of suitable equipment and facilities for activity 4 • Detailed investment strategy for the Directive has been drafted • Identification of suitable staff for training in activity 5. • Co-financing of 0,125 m Euro provided by Czech Republic for investment component.</td>
</tr>
<tr>
<td>2. PREPARATION FOR IMPLEMENTATION - As part of the implementation plan the authorities responsible for the Directive will be assisted in drawing up the following documents: i. Draft secondary legislation to enact the Directive ii. Draft procedures for River Basin</td>
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</table>


Management Planning

iii. Draft procedures for Environmental Monitoring, especially ecological monitoring of water bodies

iv. Draft procedures for the regulatory practices required by Article 11 of the Directive

3. PRACTICAL IMPLEMENTATION

The Directive requires the production of River Basin Management plans. A draft plan for a single sub-basin will be produced. Included within this activity Article 5 of the Directive requires the preparation of Analyses of River Basin Characteristics for all basins: demonstration projects to provide these analyses for one sub-basin will be conducted in order to provide a model for the analyses to be conducted in other sub-basins, including international co-operation. The demonstration projects will also provide information to help in detailing the institutional investment requirements of the Directive, and will be used to develop the stakeholder strategy.

4. TECHNICAL DEVELOPMENT

Annex V of the Directive requires the introduction of “referential” ecological monitoring systems. The project will assist with the development of techniques for the biological components of these systems.

5. TRAINING

Training courses will be provided to transfer knowledge and practical procedures developed in items 2, 3 and 4.

- macrophyte, algal and fish monitoring (4 experts 30 man days each)
  - Hydromorphological Assessment 20 man days
  - Charging for water services 30 man days
  - Public Consultation and Stakeholder Involvement (20 days)
  - Additional input will be required from translators and interpreters.

**Investment Component**

Value: 0.475 million Euro (PHARE 0,35 m + Czech R. 0,125 m)

- The completion of the practical activities in respect of guaranteed results 3 and 5 will require investment in additional equipment and facilities:

  **Part 1: Result 3 – Production of pilot sub-Basin Management Plan and Analyses of River Basin Characteristics**

    - Analyses of this sort require the extensive use of Geographical Information Systems and data management. Investment will be required to ensure that such systems are available for this project and the subsequent implementation of the project. (0,1 m Euro)
    - This equipment should be sufficient to allow the completion of draft river basin analyses in pilot basins.

Value: 0,1 m Euro for (Tender 1):

- Computer Hardware including GIS server, GIS terminal, Digitiser, Plotter, Printer and Associated networking equipment
- Computer Software including operating system and GIS software licence
- Installation and testing
- Training for relevant staff in use of equipment and software

**Investment Component continued ...**

**Part 2: Result 5 – Aquatic Monitoring**

- Aquatic monitoring as required by the Directive, can only be efficiently and effectively undertaken at the scale and frequency required by the Directive through the use of modern equipment and facilities: investment will be required to provide these. (0.375 m Euro)

Value: 0.375 m Euro for (Tender 2):

- Equipment for Laboratory Analysis and for Environmental Monitoring
- Installation and Testing of equipment
- Training of staff in use of equipment

**Preconditions**

The following preconditions must be met prior to the commencement of the project:

- Preliminary analysis and discussion of the Directive within the Czech Republic
- Preparation of a draft implementation plan for the Directive in the Czech Republic
- Preparation of a draft institutional investment plan for the Directive (will form part of the implementation plan)
- Completion of PHARE 99 project in water sector
Annex 2 – Detailed Implementation Chart for the Project

<table>
<thead>
<tr>
<th>Year</th>
<th>Detailed Project Implementation</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
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<td>b)</td>
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</tr>
<tr>
<td></td>
<td>Tendering</td>
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</tr>
<tr>
<td></td>
<td>Contracting</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Implementation</td>
<td></td>
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</tbody>
</table>
## Annex 3 – Cumulative Contracting and Disbursement Schedule for the Project

### Cumulative Quarterly Contracting Schedule (MEUR)

<table>
<thead>
<tr>
<th>Project</th>
<th>4Q/0</th>
<th>1Q/0</th>
<th>2Q/0</th>
<th>3Q/0</th>
<th>4Q/0</th>
<th>1Q/0</th>
<th>2Q/0</th>
<th>3Q/0</th>
<th>4Q/0</th>
<th>1Q/0</th>
<th>2Q/0</th>
<th>3Q/0</th>
<th>4Q/0</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation of Water Framework Directive</td>
<td>0,75</td>
<td>0,75</td>
<td>1,225</td>
<td>1,225</td>
<td>1,225</td>
<td>1,225</td>
<td>1,225</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1,225</td>
</tr>
</tbody>
</table>

### Cumulative Quarterly Disbursement Schedule (MEUR)

<table>
<thead>
<tr>
<th>Project</th>
<th>4Q/0</th>
<th>1Q/0</th>
<th>2Q/0</th>
<th>3Q/0</th>
<th>4Q/0</th>
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<th>2Q/0</th>
<th>3Q/0</th>
<th>4Q/0</th>
<th>1Q/0</th>
<th>Total</th>
</tr>
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<tbody>
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<td>Implementation of Water Framework Directive</td>
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<td>0,975</td>
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<td></td>
<td>1,225</td>
</tr>
</tbody>
</table>

* indicates timing of co-financing component of 0,125 m Euro
Annex 4 – List of relevant Laws and Regulations

Czech legislation relating to water sector

Act No 138/1973 on waters, last amended 1998 (C)
Act No 130/1974 on the state administration of water management, last amended 1992 (C)
Act No 17/1992 on the environment
Act No 123/1998 on the right to environmental information
Government Decree No 82/1999 establishing parameters and values for an acceptable degree of water pollution
Government Decree No 35/1979 on charges in water management, last amended 1998 (C)
Act No 58/1998 on payments for discharge of waste waters into surface waters (C)
Ministry Decree No 47/1999 to application of Act No 58/1999 on payments for discharge of waste waters into surface waters
Ministry Decree No 6/1977 on the protection of the quality surface and ground water (C)
Ministry Decree No 28/1975, determining drinking water supply watercourses and giving a List of watercourses important in terms of water management (C)
Ministry Decree No 126/1976 on registration and summary registration in water management sector
Ministry Decree No 7/1977 on collecting and assessing data on quantity and quality of surface water and groundwater
Ministry Decree No 19/1978, specifying duties of river authorities and resolving some problems associated with watercourses
Ministry Decree 144/78 on public water supply and sewerage systems, last amended 1988,
Governmental Decree 100/1999 on the flood protection
Ministry Decree No 137/1999 giving a list of drinking water abstraction basins and rules for establishing and revision of water supply protection zones
Ministry Decree No 176/1999 giving a list of boundary and transboundary watercourses (C)
Act No 258/2000 on public health care
Act 305/2000 on transformation of river basin corporations
Act No 110/1997 on foodstuffs and tobacco products last amended by Act No 306/2000
Ministry Decree No 376/2000 specifying requirements for drinking water
Act No 156/1998 on fertilisers as amended by Act No 308/2000 on fertilisers and auxiliary substances in agriculture
Act No 157/1998 on chemical substances and preparations last amended by Act No 352/1999

4 Pieces of legislation marked with a (C) will be cancelled by the new Act on Water
Act No 114/1992 on nature and landscape protection, last amended 2000
Act No 125/1997 on waste, last amended 2000
Act No 353/1999 on prevention of important accidents caused by chosen dangerous chemical substances and chemical preparations
Act No 147/1996 on phytosanitary care, last amended by Act No 409/2000

Czech Technical Standards (not binding)
CSN 75 7221  Classification of surface waters
CSN 75 7111  Drinking water
CSN 75 7211  Quality control of drinking water
CSN 75 7214  Raw water for abstraction of drinking water
CSN 75 7212  Quality control of raw water

Legislation being prepared and adopted
Act on Public Water Supply and Sewerage and associated Ministerial Decrees (2001)
Waste Act (2001)
Ministerial Decrees to the Act on public health care regarding bathing waters, and materials approved for contact with drinking water (2000)
Ministerial Decree on packed drinking water (2001)
Ministerial Decree on radiation protection (2001)
Act on Fisheries (2002)

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5 This Act will be largely replaced by the new Waste Act which will become law during 2001