

PHARE 2001
STANDARD SUMMARY PROJECT FICHE

1. Basic Information

- 1.1 Desiree number:** RO0107.15
- 1.2 Title:** Assistance for the implementation of environmental policies in Romania
- 1.3 Sector:** Environment (EN)
- 1.4 Twinning component:** RO/2001/IB/EN/01
Twining to further assist Romania in the transposition and implementation of legislation on Waste Management, Budget: € 1.0 M, Duration: 24 months
- 1.5 Location:** Romania

2. Objectives

2.1. Wider objective

- Definition of a sound investment programme in the field of environment.
- Improvement of the capacity at national and local level to transpose and implement the environmental acquis.

2.2. Project purpose

- Further transposition and implementation of the acquis in the field of waste management.
- Start the implementation of the Water Framework Directive, on pilot basins.
- Definition of a realistic investment programme.
- Further implementation of IPPC Directive (Industrial pollution control and risk management).

2.3. Accession Partnership and NPAA priority

Accession Partnership - Short term:

- Strengthen the environmental administration both at national and regional levels.
- Develop a plan for financing investments based on estimations of costs of alignment and realistic sources of public and private finance year by year.

Accession Partnership – Medium term:

- Develop the monitoring and enforcement capacity in particular through decentralisation to environmental protection agencies.

3. Description

3.1. Background and Justification

In the field of environment, the institutional framework, which is necessary to actually implement and enforce the directives once transposed into the national legislation is still weak. Besides, the EU environmental acquis includes a lot of different pieces of legislation, several of them having heavy financial consequences. Considering the environmental situation in Romania, the compliance with EU Environmental Acquis is one of the most difficult challenges that Romania is facing on its road to accession.

Consequently the objective of the project is to reinforce the different levels of environmental administration (central, regional and local) to make them able to participate in the proper implementation of the EU environmental Acquis.

Considering the limited absorption capacity of the Ministry of Waters and Environmental Protection (MoWEP), this project focuses on key sectors of the acquis, in particular:

- The continuation of the transposition and implementation process in the field of waste and water management will guarantee further progress in these two major sectors, after the end of the on-going twinning (sub-projects 1 and 2).
- The drafting of an environmental cost assessment and investment plan will ensure an optimum utilisation of the scarce Romanian financial resources for environment (sub-project 3).
- The assistance for the implementation of IPPC Directive should help reducing the risk of new industrial pollution (sub-project 4).

In addition, some assistance for the management of this complex project will be provided (sub-project 5)

3.2. Linked Activities

Under Phare 1998 project “Strengthen the Institutional and Administrative Capacity to Manage Environmental Policy in Romania in conformity with the Acquis Communautaire” (3 MEUR), the following activities were financed: one twinning on waste management, one twinning for the water sector and some technical assistance for central and local level, aiming at developing and improving 4 local Environmental Protection Inspectorates, carrying out an inventory at 8 selected Environmental Protection Inspectorates (EPIs) laboratories, preparing ICIM’s laboratory for being internationally accredited. The proposed sub-projects 1 and 2 will be a continuation of the above-mentioned twinings.

DISAE programme (Phare multi-country) achieved 2 major components for Romania:

- ROM-101: Assistance to Romania in the management of the environmental approximation process. This was the first project, which supported the MoWEP to develop its internal management and technical capacity in relation with the environmental approximation process.
- ROM-102: Development of the Romanian implementation programme for approximation of EU environmental legislation.

The results of this programme will be a basis for the elaboration of the cost evaluation and investment plan that is foreseen under sub-project 3.

Under Phare 2000 programme, a project “Implementation of the Environmental Acquis” (8 MEUR) will facilitate and support the implementation of the environmental Acquis, in particular related to prevention of industrial pollution. It is foreseen:

- To develop an environmental strategy with particular reference to financial mechanism, through a twinning.
- Some assistance to implement the Environmental Impact Assessment Directive.
- To strengthen the local EPIs and to develop regional EPIs.
- A pilot local investment project in the EPI Bucharest for air quality monitoring.

3.3 Results

Twinning to further assist Romania in the transposition and implementation of legislation on Waste Management (sub-project 1)

- Update or elaboration of National Waste Management Plans and the Waste Chapter of the National Environmental Strategy.
- Elaboration of one Regional Waste Management Plan and assistance to the elaboration of the others.
- Transposition of the Internal Transport requirements of the Waste Shipment Regulation.
- Better implementation of the directives on Landfill and Incineration.

Implementation of the Water Framework directive on pilot basins (sub-project 2)

- Development of the methodologies for Management Plans of the Hydrographic Basins in accordance with the provisions of the Water Framework Directive; implementation in a pilot basin.
- Implementation in a pilot basin of the methodologies for costs assessment of water quality monitoring for implementation of the EU water Directives.

Environmental cost assessment and investment plan (sub-project 3)

- Elaboration of methodologies for cost evaluation for the implementation of the EU environmental acquis in all sectors.
- Identification of the investment projects required and elaboration of a database.
- Development of an investment plan in order to meet gradually EU standards.

Assistance for the implementation of IPPC Directive (sub-project 4)

- Elaboration of documentation according the IPPC requirements
- Classification of industrial plants in accordance with the IPPC Directive requirements in 10 selected EPIs.

- Training of persons responsible for the implementation of the Directive.

Assistance to the implementation of the project (sub-project 5)

- Assistance of a consultant for the preparation, implementation and monitoring of the project.

3.4. Activities

The following five sub-projects have been identified:

3.4.1. Twinning to further assist Romania in the transposition and implementation of legislation on Waste Management (sub-project 1)

This sub-project will be implemented through a twinning and constitutes a follow up of the activities developed under the twinning on “waste management” financed under Phare 1998. Through the Phare 1998 twinning, some legal acts were issued, such as: waste regime/hazardous wastes, disposal of PCB/PCT (Poly-Chlorinated Biphenyl / Poly-Chlorinated Triphenyl). Some other legal acts are under preparation: they concern waste disposal, waste incineration, packaging waste, used oils, used batteries, import, export and transit of waste. A National Strategy for Waste Management will also be developed as foreseen in the law on waste regime. Since the Pre Accession Adviser (PAA) will leave Romania around October 2001, some external assistance is necessary to continue the work that has been achieved so far.

The new proposed twinning will focus on the elaboration of documents, strategies and secondary legislation that are necessary for the implementation of the legislation on waste management. It will rely mostly on the outputs of the 1998 twinning and will constitute a concrete follow-up.

3.4.1.1 Budget – Duration:

This twinning will have duration of 24 months and a budget of 1 Meuro.

3.4.1.2 Guaranteed results/Expected outputs:

- Elaboration of one regional waste management plan.
- Assistance in the elaboration of the other 7 regional waste management plan.
- Updating the National Waste Management Plan and the Waste Chapter of the National Environmental Action Plan.
- Transposition of the Internal Transport requirements of the Waste Shipment Regulation and approved Governmental Decision.
- Elaboration of documentation, assistance and training for the implementation of the Landfill and incineration Directives.

3.4.1.3. Detail activity that is foreseen under the twinning

A - Elaboration of regional waste management plans

The framework waste Act (Emergency Ordinance 78/2000) that will be further amended foresees that the competent authorities (ministries, county and local councils, big industrial waste generators) shall elaborate plans for waste management at national and local level.

In addition, it is foreseen to amend the Law on Environmental Protection in order to set 8 regional environmental protection inspections (REPIs). This will be mirrored by an amendment to the waste framework Act, which will oblige the REPIs to elaborate regional waste management plans. The necessary data for analysing the existing situation and the decision making will be based on the National Waste management plan and the county/local and producer plans, which will be established in time.

The regional waste plans will cover the following contents:

- Identification of types, quantities and origin of the waste that are about to be recovered or disposed
- Description of specific measures to be taken for special categories of waste (hazardous wastes)
- Identification of zones and installations for waste recovering or disposal
- Definition of natural and legal persons authorised to develop waste management activities
- Estimation of costs for recovering and disposal
- Identification of measures for fostering the collecting and recovery of waste
- Measures for implementation of an integrated waste management

The proposed twinning will support the MoWEP to develop one regional waste management plan and will provide assistance (for instance through training, presentations and workshops) for the elaboration of the other 7 regional waste management plans.

B – Assistance for updating the National Waste Management Plan and the Waste Chapter of the National Environmental Strategy

A National Waste Management Plan is under preparation under German bilateral assistance. The Government expects to finalise this document for the beginning of 2003. Nevertheless, this National Waste Management Plan will have to be further updated to incorporate data from waste management plans of the local councils and of the waste producers. In addition, the waste related projects that were identified in the chapter on waste management of the National Environment Action Plan (NEAP), would have to be updated in parallel. The National Plan will be updated in accordance with the new legislation, the Environmental Strategy, the budgetary resources and the local administration's new responsibilities.

Assistance will therefore be provided to update the National Waste Management Plan and the related projects of the NEAP.

C – Assistance for transposition of the Waste Shipment Regulation (259/93)/Internal Transport

The Phare 1998 twinning project is covering the import, export and transit of waste. According to the EC Regulation 259/93, an internal system for waste transportation including the related implementing procedures should also be elaborated.

The twinning will provide assistance to transpose the Internal Transport requirements of the Waste Shipment Regulation (259/93), and in particular:

- Definition of the requirements of the waste transport means.
- Definition of the requirements of personal transporting wastes.
- Elaboration of the document for application and performing waste transports.
- Elaboration of procedures to prevent accidents which involve hazardous waste.

D – Assistance in the implementation of the Landfill Directive 99/31/EC

The Governmental Decision on landfill is expected to be published in 2001. Some additional assistance will be provided through the twinning to:

- Elaborate and improve the methodological norms.
- Assist the Environmental Protection Inspections (EPIs) in authorising existing and new landfills.
- Provide technical, juridical and economical guidelines for applicants.
- Assess the economic implication and the possibility of money recovery.
- Establish the methods for waste characteristics determination.
- Training of the people responsible for the enforcement.

E.- Assistance in the implementation of Incineration Directive 94/67/EEC

Priority has to be given to the incineration of clinical waste and the co-incineration of hazardous wastes, e.g. in cement kilns. In this scope, some assistance will be provided to clarify:

- the administrative arrangements and regulations (particularly for authorisation, inspection, monitoring and data management)
- the planning and financing provisions (conditioning of the existing incinerators)
- the identification of the projects for the National Environmental Action Plan
- to review of the producer waste management plans
- training of the people responsible for the enforcement

3.4.1.4 Activities of the PAA:

In order to implement these activities, the PAA will have to:

- Collect all available information
- Supporting documents in Member States
- Elaboration and improve the documents, procedures and methodological norms
- Prepare the transposition programme for the Internal Transport requirements for the Waste Shipment Regulation
- Provide technical, juridical and economical guidelines for applicants
- Identify the projects for the National Environmental Action Plan to review of the producer waste management plans

- Assess the economic implication and the possibility of money recovery
- Assist the creation and activities of the necessary inter-ministerial working groups.
- Co-ordinate the work of Member State experts and ensure the information flow between Romania and Member States-Experts.
- Identify additional staff and training needs.

3.4.1.5 Profile of the PAA:

The Pre-Accession Adviser shall be a senior civil servant or equivalent staff with strong experience wastes management and practical knowledge of the *acquis communautaire* in the field of waste management. He/she should have some experience in public administration on the adoption/implementation of legal acts. Ideally, he/she should also have operational experience on the elaboration/design of wastes management plans and on the co-ordination of Inter-Ministerial working groups at national/regional level.

Strong communication facilities and ability to work in difficult environment is required. He/she should also have ability to manage a team of experts and co-ordinate multipurpose activities, to link with EU institutions and sector organisations. Good working knowledge of English is required.

3.4.1.6 Other Required inputs:

The activity of the PAA has to be assisted by short-term experts, who will provide assistance for specific issues, such as (indicative):

- Definition of the requirements of the waste transport means.
- Definition of the requirements of personal transporting wastes.
- Elaboration of the document for application and performing waste transports.
- Elaboration of procedures to prevent accidents which involve hazardous waste.
- Elaboration of methodological norms for the implementation of the Landfill and Incineration Directives.
- Assist the Environmental Protection Inspections (EPIs) in authorising existing and new landfills.
- Provide technical, juridical and economical guidelines for applicants.
- Assess the economic implication and the possibility of money recovery.
- Elaborate methods for waste characteristics determination.

Training sessions or workshops in Romania will also have to be organised, such as:

- Presentation of regional wastes management plan – training for the elaboration of such documents.
- Workshop on the presentation of the updated National Waste Management Plan.
- Training of the people responsible for the enforcement of the Landfill and Incineration Directives.
- (...)

3.4.1.7 Commitments:

The Romanian partners will provide:

- Adequate human resources to prepare the twinning covenant and to implement the twinning projects together with the twinning partner.
- All the facilities which are necessary for the smooth implementation of the twinning (office, computer, printer, telephone, access to Internet...).

- Funds to cover any travel costs of the Romanian authorities in the context of training or seminars.

3.4.2. Implementation of the Water Framework directive on pilot basins (sub-project 2)

Some technical assistance is necessary in order to continue the activities that have been launched during the twinning “water management” financed under Phare 1998. In particular, following the requirement of the new Water Framework Directive and its hydrographic basin approach, it is foreseen:

- To elaborate a River Basin Management Plan on Somes River Basin (pilot basin).
- To realise cost evaluation methodology in the field of water quality for the Arges River Basin (pilot basin).
- To invest in necessary monitoring equipment to fulfil the requirement of the Directive.

These pilot studies will serve as a basis to elaborate similar studies for each of the 11 hydrographic basins in Romania, since the two basins were chosen as the most representatives ones in Romania. Somes River has a transboundary basin, but is a softly developed basin, while the Arges River Basin is a heavily modified basin (lots of works that modified the natural flow).

A - Development of a River Basin Management Plan on Somes river basin (around 0.65 MEUR)

This pilot basin was selected because this basin is representative of other trans-boundary basins. Under this component, a River Basin Management Plan on Somes River Basin according to the Water Framework Directive will be elaborated. This will include (Additional details are given under annex 4):

- Description of River Basin District characteristics
- Identification and assessment of human activities impact on the surface and groundwater resources
- Identification and mapping of protected areas
- Economic analysis at the river basin level
- Public information and consultation
- Finalising the methodology of the Management Plan and distribution to the stakeholders
- Preliminary evaluation of the methodology aiming to develop the Management Plan and proposals for correcting it
- Final evaluation of the corrected methodology
- Organisation of one workshop.

B – Elaboration of a cost evaluation methodology for the implementation of Water Framework Directive in the field of water quality monitoring within the Arges River Basin (around 0.65 MEUR)

This pilot basin was selected because the Arges River provides the drinking water for the most important and populated areas, has very developed industries, and its agriculture threatens to contaminate the ground waters in the basin. Therefore, the cost evaluation for water quality monitoring will be the most relevant. Under this component, a cost evaluation methodology in the field of water quality within the Arges River Basin will be elaborated according to the Water Framework Directive: revising the water monitoring system for modernisation, establishing guidelines including the standard operational procedures for development of biological monitoring, establishing surface water quality map, establishing the priority for the rehabilitation and ecological reconstruction of the damaged aquatic ecosystems, improving and developing capacities for water quality management at local level in accordance with the provisions of the WFD. Special attention will be paid for understanding the good status of water quality and aquatic ecosystems. This will include (Additional details are given under annex 4):

- Definition of the monitoring criteria for water quality (Arges basin)
- Definition of Arges River Basin District boundaries.
- Presentation of the existing monitoring system within the Arges River Basin District.
- Modernisation of the actual monitoring network
- Characterisation of the water quality within the Arges
- Preliminary economic analysis for developing a cost assessment methodology in Arges River Basin
- Technical assistance to the local water authority to assimilate and apply the preliminary methodology
- Finalising the methodology and distribution to the stakeholders, with technical assistance
- Organisation of one workshop
- Establishment of training programme

C – Procurement of monitoring equipment on both pilot basins (1.35 MEUR)

The elaboration of both studies requires to define in the field some elements/parameters included in the Water Framework Directive, due to a new approach of the concept of monitoring. Without defining these elements/parameters no study under this frame can be developed. In this respect it is necessary to extend and improve the existing monitoring equipment, by the procurement of new equipment.

The foreseen equipment consists of (indicative): 2 Ponar type dredge machines (Arges and Somes r.b), equipment for the modernisation of an automatic station (Arges river basin, in Zavoiul Orbului), 2 automatic station (Arges river basin in Bucurest water intake and in Budesti), laboratory equipping for chemical monitoring (Somes r.b), laboratory equipping for biological monitoring (Somes r.b), laboratory equipping for fish monitoring (Arges and Somes r.b), 2 boat for samples drawing (Arges and Somes r.b), 2 stereomicroscopes

(Arges and Somes r.b), equipment for preserving and preparing the samples (Arges and Somes r.b), spectrophotometer with atomic absorption (Arges and Somes r.b), 2 Kemmerer samplers (Arges and Somes r.b), 2 Kolwitz chambers (Arges and Somes r.b), gas chromatograph (Somes r.b), data processing, specialised GIS soft (Arges and Somes r.b), computers (Arges and Somes r.b), etc.)

The beneficiary of sub-project 2 is the National Company “Apele Romane” as the responsible body for the implementation of the provision of the Water Framework Directive, who will be the owner of the equipment. Apele Romane will provide the co-financing, will bear the operating costs, and will provide assistance during the implementation of this project. MoWEP will co-ordinate and supervise the national Company “Apele Romane”, company which will be directly involved in the implementation of this project.

The MoWEP together with the National Company “Apele Romane” will prepare the ToR for this sub-project, which will be tendered as a unique turnkey-contract (the experts that will perform the TA will also have to design and procure the equipment).

3.4.3. Environmental cost assessment and investment plan (sub-project 3)

Under Phare Project RO-0006.14 “Implementation of the Environmental Acquis”, a twinning component aiming at developing an approximation strategy with a special focus on financial mechanisms is foreseen. To that end, the elaboration of a preliminary cost assessment and investment plan will be elaborated on the basis of existing studies performed by DISAE, USAID, and PEPA. However, the mentioned studies have limited scopes (they are restricted to specific areas or sectors). As a consequence, the preliminary cost assessment that will be realised in that context will be sufficient to design the adequate financial mechanisms (main objective of the twinning), but not detailed enough to constitute a sound investment strategy.

Through this sub-project, it is proposed to continue this activity. The foreseen Environmental cost assessment and investment plan will enter into great details, using both a sector by sector approach and a very detailed situation for each development region. This wide range study will:

- Identify all the investment required due to heavy directives (Urban Waste Water, IPPC, Seveso, landfill/incineration)
- Propose realistic cost evaluation methodologies;
- Provide a precise cost evaluation for these investments;
- Develop a data-base of the investment that are needed;
- Offer possibilities of breakdowns per sector/per development regions/per counties/per main towns;
- Define priorities for all these investments;
- Elaborate an investment plan with annual investment breakdowns, taking into account the existing financing sources.

The study will also analyse the situation existing in other candidate countries, in order to benefit from their experience.

The Pre Accession Advisor under Phare Project RO-0006.14 will be deeply involved in the elaboration of the Terms of Reference and in the supervision of this study.

This sub-project will include two separate components:

- Technical assistance for drafting the Terms of Reference and preparation of the tender documentation (cost estimation: 0.05 MEUR)
- The elaboration of the environmental cost assessment and investment plan (cost estimation: 1.95 MEUR)

3.4.4. Assistance for the implementation of the IPPC Directive (sub-project 4)

The IPPC Directive (Industrial pollution control and risk management) is expected to be transposed by Governmental Decision by the end of 2001. This sub-project will support the implementation of the IPPC Directive in 10 selected EPIs (out of 42 EPIs), where inspection and the control of the activities of economical agents having major impact will be introduced, in accordance with the IPPC procedure (Classification of the economical agents having major impact was set by the Ministerial Order 541/2000, being in accordance with Annex I of the IPPC Directive).

The 10 EPIs where this sub-project will be implemented were selected considering the serious environmental problems due to the economic activities performed on their territories. There are: Baia Mare, Constanta, Craiova, Ploiesti, Timisoara, Cluj, Brasov, Buzau, Iasi and Bucharest EPIs

The activities foreseen are as follows:

- Technical assistance to review the technical specifications of the equipment and to prepare the tender documentation for both the investment and IB components (0.05 MEUR).
- Technical assistance for institutional building (0.55 MEUR):
 - Training with the representatives of the Direction of Ecological Control and Monitoring within the MoWEP and of the 10 EPIs in order to present the IPPC Directive and modalities of implementation, and organisational aspects, relationship inspection - economical and financial instruments (taxes, tariffs, penalties, environmental fund etc.) At least 29 persons will be trained for implementation of the IPPC Directive procedures in control activity (2 from each selected EPI and the 9 persons from the Direction of Ecological Control and Monitoring of the MoWEP).
 - Development of Norms and guidelines for industrial sectors (classified according to the Annex I of the IPPC Directive) to be used in the inspection activities within the EPIs (e.g. for steel industry and chemical industry). The result will be the elaboration of a manual guide concerning the control methods.
 - Pilot implementation on 2 plants with different activities in 2 different EPIs (e.g. EPI Cluj and EPI Craiova), that could be extended to the other 8 EPIs. The pilot will last 6 months and will be finalised with a report and a workshop with the representatives of all EPIs. The methodological norms will be handed to the

participants that will provide observations and comments at a later stage. Based on these, the final version will be developed, with the support of the consultant, and it will be promoted as a Ministerial Order. It is foreseen to be put on CD and multiplied (50 copies).

- Several workshops to disseminate the achieve results among the other 32 EPIs.
- Purchase of equipment for each of the 10 selected EPIs to support the integrated control activity (1.46 MEUR):
 - automatic analysers for measuring the concentrations of emissions (combustion gases etc.); the analysers will help each Ecological Control Service within the 10 selected EPIs, to develop test-measurements at emission.
 - equipment for immediate tests (pH-meters, oxygen meter etc.) and some protection equipment, for the Service for Ecological Control within the EPIs;
 - portable kits for investigation and sampling according to IPPC (2 for each of 10 EPIs)

The 10 EPIs will be the owner of the equipment and will bear the operating costs. MoWEP will provide co-financing.

It should be noted that there would be no overlap between this project and the other Phare projects. Indeed, under Phare 1999 and Phare 2001 Cross-border Co-operation Programmes, purchase of monitoring equipment is also foreseen for:

- Calarasi, Giurgiu and Teleorman EPIs (project “Joint Air Quality Monitoring System on the Romanian-Bulgarian Boundary Towns on Lower Danube”)
- Giurgiu EPI (project “Protection of wetlands of the Danube” under CBC RO/BG)
- The Department of Waters Dobrogea – Litoral based at Constanta (project “Integrated monitoring of the Romanian Black Sea Coast” under CBC RO/BG)
- The Forest Directorate at Arad (project “Protection and promotion of the Meadows of Mures River” under CBC RO/HU)

3.4.5. Assistance to the implementation of the project (sub-project 5)

Considering on the one hand, the weak administrative capacity of the MoWEP and on the other hand the importance for Romania to make further progress in the field of environment, some support for the implementation of this project is necessary.

Through this sub-project, a consultant will be recruited and will provide assistance in the preparation of the technical specifications needed for this project (with the exception of the twinning component), will assist the MoWEP in its implementation and will ensure the necessary co-ordination.

The consultant may also assist the MoWEP in the identification of areas where projects proposals should be elaborated and prepare Terms of Reference for the Project Preparation Facility.

The consultant will be mainly based in the MoWEP during around two years, on a part time basis.

The MoWEP will provide offices, telephone, access to fax and Internet to the consultant, and will be involved during the whole duration of the sub-project. In addition, a transfer of experience will be achieved in order to train the Romanian team that will take over these implementation tasks.

4. Institutional Framework

The MoWEP and its subordinated institutions (EPIs and National Company “Apele Romane”) are the beneficiaries of the project.

In particular, Apele Romane will be the beneficiary of the equipment provided under sub-project 2, and the 10 EPIs will be the beneficiary of the equipment provided under sub-project 4. The owners of the equipment will bear the operating and maintenance costs of the envisaged investments.

5. Detailed Budget, in MEUR

Sub-projects	Phare Support					
	Investment Support	Institution Building	Total Phare (I+IB)	National co-financing (*)	IFI	Total
Sub-project 1 - Twinning to further assist Romania in the transposition and implementation of legislation on Waste Management	-	1.00	1.00	-	-	1.00
Sub-project 2 - Implementation of the Water Framework directive on pilot basins	1.00	1.30	2.30	0.35	-	2.65
Sub-project 3 - Environmental cost assessment and investment plan	-	2.00	2.00	-	-	2.00
Sub-project 4 - Assistance for the implementation of the IPPC Directive	1.10	0.60	1.70	0.36	-	2.06
Sub-project 5 - Assistance to the implementation of the project		0.50	0.50	-	-	0.50
TOTAL	2.10	5.40	7.50	0.71	-	8.21

(*) The National Company “Apele Romane” will provide the co-financing for sub-project 2 (0.35 MEUR) and the MoWEP will provide the co-financing for sub-project 4 (0.36 MEUR)

6. Implementation arrangements

6.1. Implementing Agency

The Implementing Agency will be the Central Finance and Contracts Unit (CFCU) of the Ministry of Public Finances, which will be responsible for tendering, contracting, accounting and financial reporting.

The Implementing Authority will be the MoWEP, which will be responsible for the operational management of the project: preparation of terms of reference, of tender documents, of evaluation criteria, of evaluation of offers, of contracts and of invoices for payment.

6.2. Twinning

The Twinning component will follow the general rules of twinning projects. In the event that no suitable twinning proposal is forthcoming, this component of the project will instead be implemented through conventional technical assistance.

Title: Twinning to further assist Romania in the transposition and implementation of legislation on Waste Management

Duration: The Pre-Accession Adviser (PAA) shall stay in Romania for a period of 24 consecutive months. The assignment should start around January 2003 and will be based in Bucharest.

Budget: 1 MEUR (including short-term technical assistance, workshops and training)

Beneficiary and contact person: Ministry for Water and Environmental Protection, Directorate for Waste Management and Dangerous Chemical Substances, Mrs. Cristiana Cirlan (Tel: 335 25 32; Fax: 410 02 82; e-mail: cristiana@mappm.ro)

6.3. Non-standard aspects

There are no “non-standards aspects”. The “Practical Guide to Phare, Ispa and Sapard contract procedures” will strictly be followed.

6.4. Contracts

The respective values of the expected contracts are the following:

Sub-project 1

1 twinning covenant	1.00 MEUR
<i>Sub-project 2</i>	
Turnkey contract	2.65 MEUR (2.30 MEUR from Phare)
<i>Sub-project 3</i>	
Framework contract for preparation	0.05 MEUR
Technical Assistance Contract	1.95 MEUR
<i>Sub-project 4</i>	
Framework contract for preparation	0.05 MEUR
Technical Assistance Contract	0.55 MEUR
Supply Contract	1.46 MEUR (1.10 MEUR from Phare)
<i>Sub-project 5</i>	
Technical Assistance Contract	0.50 MEUR

7. Implementation schedule

The twinning covenant and the technical assistance contracts for sub-projects 3 and 4 will have duration of 24 months. Therefore, a 2-year disbursement period will be necessary for this project, till 30 November 2005.

Start of tendering/call for proposals:	January 2002
Start of project activity:	April 2002
Project Completion:	November 2005

8. Equal opportunity

Equal participation in project by women and men will be assured.

9. Environment

The project will have no impact on the environment. On the contrary, the investment will be carried out to monitor the quality of the environment.

10. Rates of return

Financial rate of return %: N/A

Economic internal rate of return %: N/A

Have the feasibility studies been completed and when?

11. Investment criteria

11.1. Catalytic effect

The strengthening of the MoWEP is a prerequisite to further implement a realistic environmental policy, and can only be supported through a Phare grant.

11.2. Co-financing

The Romanian Government will ensure the co-financing of this investment project (25% of the total cost of the investment components).

11.3. Additionality

No other donors are likely to finance similar actions.

11.4. Project readiness and Size

The implementation of the project can start according to the implementation chart (Annex 2). The project complies with the 2 MEUR minimum Phare allocation requirement.

11.5. Sustainability

The EPIs and “Apele Romane” will bear the operating and maintenance cost for this project.

11.6. Compliance with state aids provisions

The project complies with the state aids provisions since it does not finance any private entity.

12. Conditionality and sequencing

- Sub-project 1, implemented through twinning, requires the full commitment and participation of the senior management of the beneficiary institution. In addition to providing the twinning partner with adequate staff and other resources to operate effectively, the senior management must be fully involved in the development and implementation of the policies and institutional change required delivering the project results.
- Sub-project 5 also requires the full commitment and participation of the senior management of the MoWEP, which will provide the necessary resources to operate effectively, and will be fully involved in the activities.
- The EPIs and “Apele Romane” will bear the operating costs and the maintenance costs for the envisaged monitoring and information systems.
- MoWEP undertakes to finance any additional costs which may arise in order to ensure timely completion of the project.

ANNEXES TO PROJECT FICHE

1. Logical framework matrix
2. Detailed implementation chart
3. Contracting and disbursement schedule by quarter
4. Detail presentation of the requirements for the implementation of the Water Framework directive on pilot basins (sub-project 2)

Annex 1 : Logframe Matrix for project: <i>Assistance for the implementation of environmental policies in Romania</i>		Contracting period expires: 30/11/2003	Disbursement period expires : 30/11/2005
		Total budget : 8.21	Phare budget : 7.50
Overall objective	Indicators of Achievement	Sources of Information	Assumptions
<ul style="list-style-type: none"> • Definition of a sound investment programme in the field of environment. • Improvement of the capacity at national and local level to transpose and implement the environmental acquis. 	<ul style="list-style-type: none"> • No of Guidelines and documents related to the environmental Acquis • Investment programme in the field of environment 	<ul style="list-style-type: none"> • National counterpart at central level (MoWEP, Ministry of Development and Prognosis – MDP) • National counterpart at local level (EPIs, RDAs, CNAR) • Consultants 	<ul style="list-style-type: none"> • Assumes investments will be influenced, measured and recorded within project time-scale
Project purpose	Indicators of Achievements	Sources of Information	Assumptions
<ul style="list-style-type: none"> • Further transposition and implementation of the acquis in the field of waste management. • Start the implementation of the Water Framework Directive, on pilot basins. • Definition of a realistic investment programme. • Further implementation of IPPC Directive (Industrial pollution control and risk management). 	<ul style="list-style-type: none"> • National Waste Management Plan is updated • Chapter of Waste Management in the National Plan of Environmental Protection is updated • 1 regional plan for waste management is published, and training is provided for the elaboration of the other regional plans • regulation for internal transport elaborated • Implementation of the Landfill and Incineration Directives has started • Implementation of the Water Framework Directive started 	<ul style="list-style-type: none"> • Legislation in force in the water field • National Waste Management Plan, National Environmental Action Plan, Law on Waste regime, Gov. Dec. on waste incineration, packaging waste, waste oils and waste batteries • Other relevant legal acts 	<ul style="list-style-type: none"> • Results of the twinning of Phare 2000 on financial strategy in time • Draft of legal acts developed under 1998 twinning published • Gov. Dec. on waste incineration, packaging waste, waste oils and waste batteries published in time • National waste management plan published in time • Those responsible for collection, transport

	<ul style="list-style-type: none"> • Detailed investment plan issued • IPPC procedure implemented at 10 EPIs 		<p>and recovery of packaging waste, waste oils and waste batteries start set up those schemes in some counties</p> <ul style="list-style-type: none"> • Governmental Decision for transposing the IPPC published
Results	Indicators of Achievement	Sources of Information	Assumptions
<ul style="list-style-type: none"> • Update or elaboration of National Waste Management Plans and the Waste Chapter of the National Environmental Strategy • Elaboration of one Regional Waste Management Plan and assistance to the elaboration of the others. • Transposition of the Internal Transport requirements of the Waste Shipment Regulation. • Better implementation of the Directives on Landfill and incineration. • Development of the methodologies for Management Plans of the Hydrographic Basins in accordance with the provisions of the Water Framework Directive; implementation in a pilot basin. • Implementation in a pilot basin of the methodologies for costs assessment of water quality monitoring for implementation of the EU water 	<ul style="list-style-type: none"> • National Waste Management Plan updated • Directives on Landfill and Incineration implemented • River Basin Management Plan developed • Cost evaluation methodology in the field of water according to WFD developed • Methodology for cost evaluation elaborated • Legal acts published • The capacity of the Directorate for Ecological Control and Monitoring strengthened • Capabilities of the local environmental authorities in their activity of integrated inspection improved 	<ul style="list-style-type: none"> • National counterpart at central level (MoWEP, Ministry of Development and Prognosis – MDP) • National counterpart at local level (EPIs, RDAs, CNAR) • Consultants • Screening exercise 	<ul style="list-style-type: none"> • Results of Phare 2000 in time (twinning component) • Delays in legislation passing • Lack of financial resources for replication

<p>Directives.</p> <ul style="list-style-type: none"> • Elaboration of methodologies for cost evaluation for the implementation of the EU environmental acquis in all sectors. • Identification of the investment projects required and elaboration of a database. • Development of an investment plan in order to meet gradually EU standards. • Elaboration of documentation according the IPPC requirements • Classification of industrial plants in accordance with the IPPC Directive requirements in 10 selected EPIs. • Training of persons responsible for the implementation of the Directive. • Assistance of a consultant for the preparation, implementation and monitoring of the project. 			
Activities	Means	Sources of Information	Assumptions
<ul style="list-style-type: none"> • Twinning to further assist Romania in the transposition and implementation of legislation on Waste Management (sub-project 1) • Continuation of the transposition and implementation process in the field of water management (sub-project 2) • Environmental cost assessment and investment plan (sub-project 3) • Assistance for the implementation of the IPPC Directive (sub-project 4) • Assistance to the implementation of the project (sub-project 5) 	<ul style="list-style-type: none"> • Training courses • Allocation of the necessary resources for the activity • Enforcement procedure similar to EU practice • Number of trained staff 	<ul style="list-style-type: none"> • National counterpart at central level (MoWEP, Ministry of Development and Prognosis – MDP) • National counterpart at local level (EPIs, RDAs, CNAR) • Consultants 	<ul style="list-style-type: none"> • Delays in starting date of the activity • Un-appropriate communication with local staff • Training depends on level of turnover of staff and staff time availability • Problems with local financial support • Un-appropriate communication with local stakeholders

[illegible]

Annex 3 –Cumulative contracting and disbursement schedule by quarter for project: RO0107.15

<i>Assistance for the implementation of environmental policies in Romania</i>																			
Sub-projects	Cumulative contracting schedule by quarter in MEUR (planned)																		
	2001		2002				2003				2004				2005				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Total contracting:				0.5	0.6	3.9	3.9	7.5	7.5	7.5	7.5	7.5	7.5	7.5					
Sub-projects	Cumulative disbursement schedule by quarter in MEUR (planned)																		
	2001		2002				2003				2004				2005				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Total disbursement:				0.1	0.15	0.7	1.2	2.2	3.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1	7.5	7.5	

Assistance for the implementation of environmental policies in Romania

A - Development of a River Basin Management Plan on Somes river basin

a) Description of River Basin District characteristics:

- Selection of River Basin District boundaries including groundwater for the extension of River Basin Management Plan;
- Definition of 6 surface water categories (types): rivers, lakes, transitional waters, coastal waters, artificial bodies (channels, reservoirs, settling ponds, swimming pools, etc.) or heavily modified water bodies;
- Characterisation of the 6 water types using “system A” or “system B”;
- Characterisation of groundwater in accordance with the specified methodology and identification of those in risk situations;
- Development of GIS format maps (1:500000 or 1:1000000) with boundaries of surface and ground water body types and Eco-regions;
- Definition of reference conditions for the surface water body types.

b) Identification and assessment of human activities impact on the surface and groundwater resources:

- Estimation of point source pollution;
- Estimation of diffuse source pollution;
- Estimation of impact of water works;
- Estimation of impact of over-exploitation of water resources, especially on groundwater resources.

c) Identification and mapping of protected areas:

- Areas designated for the abstraction of water intended for human consumption;
- Areas designated for the protection of economically significant aquatic species;
- Nutrient-sensitive areas;
- Areas designated for the protection of habitats or species where the maintenance or improvement of the status of water is an important factor in their protection;
- Bodies of water designated as recreational waters, including areas designated as bathing waters.

d) Setting of environment objectives regarding:

- Preservation of water “good status”;
- Restoration of affected ecosystems;
- Restoration of balance for groundwater;
- Achievement of good ecological potential for the heavily modified or artificial water bodies.

e) Economic analysis at the river basin level taking into account integration of costs associated to:

- Water resources management;
- Environment protection;
- Drinking water producing.

f) General measures programme:

Annex 4 – detail presentation of the requirements for the implementation of the Water Framework directive on pilot basins (sub-project 2) for project: RO0107.15

- Measures required to implement the European Union legislation for the protection of water;
 - Measures for the recovery of water services in order to promote efficient and sustainable water use;
 - Measures required for the protection of waters against over-exploitation;
 - Measures related to the control of abstraction of water from surface and groundwater sources;
 - Measures related to the reducing of water pollution due to the point and non-point pollution sources;
 - Measures deemed to the prohibition of wastewater discharging into the groundwater;
 - Measures related to the prevention of the impact of accidental pollution;
 - Supplementary measures towards the aquatic ecosystems, which have not achieved the “good status” during the specified period.
- g) Public information and consultation
- Involving of interested authorities in implementation of Water Framework Directive;
 - Publishing of River Basin Management Plan.
- h) Finalising the methodology of the Management Plan and distribution to the stakeholders, with technical assistance;
- i) Preliminary evaluation of the methodology aiming to develop the Management Plan and proposals for correcting it;
- j) Final evaluation of the corrected methodology;
- k) Organisation of one workshop, with the participation of local, regional authority in order to circulate the experience gained from this pilot project.

B – Elaboration of a cost evaluation methodology for the implementation of Water Frame Directive in the field of water quality monitoring within the Arges River Basin

- a) Definition of the monitoring criteria for water quality (Arges basin)
- Ecosystem approaching;
 - Biological approaching;
 - Approaching on the River Basin level/River Basin District level;
 - Definition in the framework of the monitoring system of the sub-systems for surface water;
 - Classification based on the reporting the natural/reference conditions;
 - Comparability.
- b) Definition of Arges River Basin District boundaries.
- c) Presentation of the existing monitoring system within the Arges River Basin District.
- d) Presentation of the requisitions of the Water Framework Directive regarding the water quality monitoring;

Annex 4 – detail presentation of the requirements for the implementation of the Water Framework directive on pilot basins (sub-project 2) for project: RO0107.15

e) Modernisation of the actual monitoring network including the following programs for the water quality:

- Definition of the national and European monitoring network;
- Definition of the monitoring type programs:
 - surveillance;
 - operational;
 - investigative;
- Completion of the monitoring areas
- Completion of the fields of investigation
- Completion of the monitoring elements

f) Characterisation of the water quality within the Arges basin based on the ranking system established in the WFD in five categories: high, good, moderate, satisfactory and degraded.

g) Preliminary economic analysis for developing a cost assessment methodology in Arges River Basin based on data and information inventory in the selected basin taking into account needs for:

- modernisation of the monitoring network;
- establishing guidelines including the standard procedures for development of biological monitoring
- development of a surface water quality map of the Arges River Basin
- improvement and development of central and local capacities for the selected basin

h) Technical assistance to the local water authority to assimilate and apply the preliminary methodology – case study for the selected hydrographic basin (Arges basin);

i) Finalising the methodology and distribution to the stakeholders, with technical assistance;

j) Organisation of one workshop (at the end of the project);

k) Establishment of training programme for local, regional water authority, research institutes and the MoWEP.