Standard Summary Project Fiche

1. Basic Information

CRIS Number: 2004/016-925/04-06

1.1 Title: **Institutional building for the Nemunas River Basin Management**
1.2 Sector: Environment
1.3 Location: Lithuania

2. Objectives

2.1 Overall Objective(s)

The overall objective of this 0,8 MEUR institutional strengthening project is to strengthen institutional capacity for the implementation of Water Framework Directive in the Nemunas River basin.

2.2 Project purpose

- To increase administrative capacity of relevant institutions to manage Nemunas River basin according to EU requirements of Water Framewor directive.
- To prepare Nemunas River management plan.

2.3 Justification

The European Union Comprehensive Monitoring Report on Lithuania's preparations for membership of 2003 has summarised the status of transposition and implementation of the EU legislation in the environment sector. As regards water, it is stated that „in the area of water quality, legislation is in place and is in line with the *acquis*, except for the recent framework *acquis* on water, for which the process is well advanced and needs to be completed by accession. Administrative capacities in this area are in place, but require continuous attention, especially as regards drinking water. Drinking water monitoring needs to be enhanced by accession. Programmes for dangerous substances need to be finalised and adopted. Lithuania needs to continue taking steps to resolve the issue of non-compliance of drinking water, including excess fluoride levels. As regards urban waste water, a transitional arrangement until 31 December 2009, with intermediate targets, has been agreed".

In terms of administrative arrangements, the EU Water Framework directive (WFD) requires:

1. To identify individual river basins within the national territory and assign them to individual river basin districts;
2. To designate a Competent Authority for each river basin district responsible for management of those districts in accordance to the provisions of WFD.

The main requirements of WFD and their fulfilment timetable to be tackled by the member states are as follows:

Requirement	Deadline
Analysis of river basin district (characteristics, impact of human activity, economic analysis	2004-12-22
Operational programmes for the monitoring of water status	2006-12-22
Public information and consultation: - timetable and work programme - significant water management issues - draft copies of the River Basin Management Plan	 2006-12-22 2007-12-22 2008-12-22
Programmes of measures - established - operational - revised	 2009-12-22 2012-12-22 every 6 years
River basin management plans	2009-12-22
Good surface water status, good chemical and quantitative groundwater status	2015-12-22

3. Description

3.1 Background and justification:

As a future EU member state Lithuania is obliged to fulfil lots of new approaches to water management established in the Water Framework directive. The WFD recognises the river basin as the fundamental and natural unit for the protection of the aquatic environment and aims to achieve good water status taking into account quality and quantity. WFD obliges to improve integrated water resources management by using principles of sustainable development and to manage water resources by the borders of the river basin and not by old administrative borders.

In order to fulfil the requirements of the WFD Lithuania has to create and implement basin management plans for designated river basin districts in order to achieve the required good water status. The WFD foresees a number of steps, ways and measures to reach this goal and provides a tight timetable for transposition and implementation of the requirements.

At the meantime the transposition of the WFD provisions into national legislation is already fully completed by the adoption of the new Water law and other 9 legal acts. With respect to implementation of WFD requirements characterization, pressures and impacts analysis, creation of the register of protected areas, monitoring program and the economic analysis are being undertaken. Nevertheless, the aforementioned activities exposed our lack of experience and lack of data preventing us from successful accomplishment of these tasks, the results of which would serve as a basis for establishment of the “right” goals and reasonable programs of measures. The project with its expertise, additional research and data collection activities would help to overcome those obstacles.

The European Union Comprehensive Monitoring Report on Lithuania’s preparations for membership of 2003 stresses the need for continuous attention towards appropriate administrative arrangements in the country regardless to the conclusions

of the same report that administrative capacities are in place, including those required by the WFD. Formally administrative system for WFD goals is established, as the Lithuanian Environmental protection agency (EPA) is appointed to be a Competent Authority responsible for managing all river basin districts in the country. Other appropriate institutions under the jurisdiction of the Ministry of the Environment of Lithuania were also recently delegated appropriate functions and roles in watershed management process. In addition, special Coordination Boards will be established with the aim to help to co-ordinate the management measures within the each river basin district in order to reach water status objectives in water bodies. Coordination Boards will be comprised of representatives of all relevant state institutions and non-governmental organizations. The Cabinet of Ministers will approve the statute of the Coordination Boards by the end of 2004. The main tasks foreseen for the Coordination Boards are: to co-ordinate the issues of interest of the ministries and other public authorities as well as their regional units, municipalities, non-governmental organisations and other stakeholders related to reaching of environmental objectives and intended water use in the respective river basin district; review the management plan and programme of measures and issue an opinion about them, as well as about the proposed budget for their implementation.

Nonetheless, the staffs at those relevant organizations lack skills to perform the newly assigned tasks under the WFD. Thus training program for institutions that participate in Nemunas river basin management is vital and will be implemented during this project.

To achieve the environmental objectives determined by the WFD the programme of measures for each river basin district or for the part of an international river basin district lying within the territory of Lithuania must be prepared and co-ordinated with the corresponding river basin management plan.

Each programme of measures includes the basic measures and, where necessary, supplementary measures that should be taken in the particular river basin district in order to achieve the established environmental objectives.

Now for the implementation of the Urban Wastewater and Drinking Water Directives ISPA funded 5 master plans for the investment projects for 5 river basin regions (based on administrative boundaries) are prepared, including the Nemunas River basin. Many of domestic water supplies, distribution and sewage collection systems in Lithuania are old and needs renovation in some territories - extension. All the towns with a population equivalent above 10,000 have wastewater treatment plants. However, some are not designed for nitrate and phosphate removal. These infrastructural projects will produce a technically and economically prioritized river basin measures for the settlements and towns of more than 500 population equivalents (p.e.). All these investments will lead to the reduction of pollution from point and diffuse sources in the Lithuania and it is considered to cover the biggest part of the basic measures required to be implemented by the WFD.

However, there are lots of other requirements that cannot be fulfilled by implementing infrastructural measures. To achieve good water status in all surface and ground water bodies there is a need to built a complex system – to analyse characteristics of river basins, to develop typology of water bodies, to identify and assess pressures and impacts on water quality, to establish reference (background) water status conditions

to analyse water uses in river basin districts, to assess water body status integrating biological, chemical, physical and hydromorphological elements, to conduct economic analysis of water uses and possible measures, to establish and implement monitoring program as well as programmes of measures and management plans, to involve public in decision making and implementation process. This is a big task requiring the mobilisation of substantial financial, human resources and expertise because WFD raises ambitious goals and time schedule. Although in accordance to the EU Monitoring report administrative arrangements are in place formally, the staffs of the EPA, other relevant governmental and non-governmental organizations has no sufficient knowledge, theoretical and practical skills and experience needed to apply basin approach to water management in line with the WFD provisions. As the result, at the mean time neither Lithuanian EPA nor other organizations concerned are capable to fulfil this task without external financial and scientific support.

Therefore, by means of providing national staff with necessary knowledge, experience and skills, by establishing relationships with relevant institutions and organizations this project will be a substantial contribution to institutional capacity building, an essential precondition for successful elaboration and implementation of river basin management plans in accordance to WFD requirements all the way after the project ends. By using the working principle "learning by doing" the capacity building process will be facilitated and the "critical mass" of administrators and scientific experts on River Basin Management in the country will be formed while developing Nemunas River basin management plan.

There are 4 River Basin Districts - Nemunas, Lielupe, Venta, and Dauguva in Lithuania designated considering hydrological features and the river basin district definition set out in the WFD. Lielupe, Venta, and Dauguva are shared with Latvia – the accession country, so the coordination with Latvia of all activities while preparing management plans in these basins is required. On the contrary, the Nemunas River Basin is mostly shared with non European Union member countries – Belarus and Russia - and only very small part with Poland. The Nemunas river basin district management plan could be prepared only for the Lithuanian part if an agreement with Belarus and Russia is not reached.

Bearing in mind the aforementioned reasons the Nemunas river basin was selected as a pilot river basin for this project, representing a major part of water related problems in Lithuania as it covers almost 75% of country's territory. The Nemunas River Basin needs a management plan to give priority to necessary investments to solve many of pollution problems in the river basin for ground as well as surface waters as a basis for environmental, economical and sustainable development of the region. The Nemunas River Basin Management Plan will also contribute to the decrease of pollution load to the Baltic Sea.

3.2 Linked activities:

- Multi-country pilot project on the protection and management of transboundary rivers in the Baltic Region (Venta and Lielupe river basins), financed by EU Phare, 1999-2001 (The projects developed 10 reports and covered quite wide issues related to the requirements of the WFD, starting from the estimation of

water quality and point source emissions, making the scheme – DB of two RBs, as well as performing ecological assessment of the two rivers, and up to the making the action plan, institutional set up for the river basin management for transboundary rivers, and part of information management system);

- EU Phare project No. LI99/IB/EN/01 „Strengthening of Environmental Monitoring Capacities in Lithuania“ (the project presents gap analysis for water monitoring in Lithuania with regard to EU requirements for implementation, proposes approaches for selection of sites, parameters, their measuring, indicates the needed number of stations, sampling frequencies, parameters, measuring techniques. In addition, a set of necessary equipment was acquired for Lithuanian monitoring executers under the project. The outputs of the project should be considered by this Transition Facility project when adjusting national monitoring program for water).

Other projects and activities from non-Phare funds that provide or develop the outputs that could serve as a basis for this project's activities:

- The DANCEE project „Transposition of the EU Water Framework Directive requirements into national legislation and the elaboration of the National water resources management strategy“ (the project transposed WFD into national legislation, plus it now develops web and GIS based integrated water resources management information system that could serve as platform for decision making, water status evaluation, characterisation of basins, human impact analysis on water, developing basin management plans, programs of measures and information dissemination to the public. This Transition Facility project could use the system and its concept while developing its outputs on public participation and on the analysis, evaluations needed to achieve its results);
- The DANCEE project „Implementation of the EU Water Framework Directive, meeting the deadlines of 2006“ (the project has developed outputs for the whole country on designation of water bodies, designation of heavily modified and artificial water bodies, typology, reference conditions, basins' characterisation, human impact analysis on water status, economic analysis of water use, monitoring programme and statement on public participation in basin management. These outputs will contain rough estimates, evaluations, analysis and judgements due to the lack of sufficient funding, data and project time. As a result, the achievements of the project will form the basis for this Transition Facility project to undertake more detailed evaluations necessary for successful and timely WFD implementation);
- The DANCEE project „Tools for the EU Water Framework Directive implementation“ (the project supplies Lithuanian EPA and Geological survey with modelling software and provides training for relevant staff. Models and knowledge will be utilized to assist the staff and possibly this Transition Facility project in setting reference conditions, undertaking human impact analysis on water, identification of water bodies at risk, developing water status classification system, assessing water status, effectiveness and suitability of possible measures);
- US EPA/REC project „Addressing water eutrophication in the Baltic Sea Basin through regional NGO cooperation on sustainable river basin management and public participation“ (the project made surveys in 3 pilot basins in 3 Baltic states in the field of the current state of public participation in water management, practices, main problems in this respect. It derived proposed actions to successfully enhance public participation relying on surveys' findings. In addition, the project tested the

so called "citizens jury" public involvement technique in Lithuanian conditions, as well as established a database of main water related NGOs in Lithuania. All the results mentioned above might be a great asset for this Transition Facility project to develop stakeholders' database and tune public participation recommendations);

- SEPA project „Promoting sustainable development in the Curonian Lagoon" (the project will identify stakeholders and attempt to involve them in water management in the vicinity of the Curonian Lagoon. This Transition Facility project could take into account the results and experience when developing its own public participation outputs);
- The DANCEE project „Long-term assistance in the transposition and implementation of the Nitrates directive" (the project is to propose monitoring network for the EU Nitrates directive purposes and programs of measures to tackle pollution from diffuse sources, mainly agricultural activities. This Transition Facility project should consider the outputs when adjusting monitoring program and proposing possible measures for reaching WFD goals);
- The PIN/MATRA project „Management and Restoration of Natura 2000 sites through an integrated River Basin Management Plan of the Dovine River (Lithuania)" (the project is to prepare wetland and surrounding hydrological system restoration plan that would comprise part of Dovine river basin management plan. Other results – reference conditions establishment, preparation of GIS layers for hydrological modelling, capacity building and cooperation with local stakeholders. The results should be considered by this Transition Facility project when developing the Nemunas River basin management plan, proposing potential measures for reaching WFD objectives and preparing outputs on public participation);
- FAME project „Development, evaluation and implementation of a standardised fish-based assessment method for the ecological status of European rivers: a contribution to the Water Framework Directive" (the project is to develop water status evaluation method based on fish. Besides, in Lithuania attempts are being made to use fish assessment data for typology development. This Transition Facility project should consider the results, approach and experience gained when making more detailed typology, clarifying reference conditions and evaluating water status);
- US EPA/NEI funded „The Lielupe river watershed demonstration project within the framework of Great lakes/Baltic Sea Partnership" (the project made characterisation of the Sesupe river basin and human impact analysis on water to a possible degree at that time, identified main problems in the basin, also undertook the gap analysis of current monitoring systems, institutional framework and proposed some future joint Lithuanian/Latvian actions to ensure proper institutional functioning and cooperation. This Transition Facility project may consider the experience and results achieved for developing its outputs);
- US EPA/NEI funded „The Sesupe river watershed management demonstration project within the framework of Great lakes/Baltic Sea Partnership" (the project made characterisation of the Sesupe river basin to a possible degree at that time, also analysed and tested existing water quality and quantity models and proposed the pool of models suitable for Lithuanian conditions. This Transition Facility project could consider the results for its activities in developing relevant outputs);
- Other US EPA activities to in promoting voluntary monitoring and public participation in Lithuania (this could help this Phare project in developing its public participation outputs).

3.3 Results:

The following results will be achieved by the end of this project:

1. Improved institutional capacity for the integrated river basin management created. Experts for the integrated river basin management from a competent authorities EPA, MoE and local governmental organizations (Regional Environmental Protection Departments, Environmental units of Municipalities in the Nemunas river basin trained.).
2. Further characterisation of the Nemunas RB district done and decision on the status of characterisation agreed. The analyses of pressures and impacts, economic analysis of water uses checked and decisions on the status agreed.
3. The water status classification system conforming the EU WFD requirements developed and status of water classes for different water bodies determined;
4. Water bodies at risk determined and relevant staff trained;
5. Objectives to achieve good ecological status set up. Consultation by stakeholders performed and decision by trained experts taken.
6. Stakeholders of Nemunas river basin district identified and the network of stakeholders set-up;
7. Staff for public and stakeholder involvement activities trained.
8. Water status objectives in the Nemunas river basin district elaborated and relevant staff trained;
9. Public information, consultation and involvement centres in the parts of the tributaries of the Nemunas RB set up, and the work plans/ actions plans for the period 2006-2015 developed.
10. Governmental and nongovernmental organizations' as well as public awareness on WFD requirements, opportunities for NGO and general public to participate in basin management raised by approximately 50 %. Six awareness campaigns organised in the main watersheds of the tributaries of the Nemunas RB.
11. Monitoring programme adjusted by selecting monitoring sites representing reference conditions, sites for surveillance, operational, investigative and diffuse pollution impact assessment monitoring, by suggesting monitored parameters, frequencies and relevant methodologies;
12. Detailed schedule and steps (on a priority basis) of the Nemunas river basin district management plan preparation established;
13. Possible measures to reach water status objectives in Nemunas river basin district proposed and relevant institutional staff trained (staff of Environmental Protection Agency, Marine Research Centre under the Ministry of Environment, etc.);
14. Draft of the Nemunas river basin management plan developed, stakeholders contacted, and public awareness campaigns organised.GIS maps and layers prepared for the analysis and reporting purposes (GIS maps and layers of the Nemunas river basin district and sub-basins, water bodies, water body types, monitoring network, its results).

All the decisions foreseen in the results described above are taken by the trained staff during the project, previously contacting, consulting and involving stakeholders and the public through network created.

The information management and analysis tools and visualisation means are used from the previously executed successful projects using the existing capacity and pool of experts created.

Having those results the basis for the first Nemunas river basin management plan will be formed, requiring only for minor contributions to be fully completed. Those contributions may not be possible to perform by the project due to the activities, which according to WFD must be undertaken later after the project time expires. In addition, the results discussed will contribute for the input for the next (updated) Nemunas river basin management plan. Furthermore, involvement of local experts while developing basin management plan and special trainings will build necessary national capacity for future successful basin management which is one of the project immediate objectives and the overall project purpose.

3.4 Activities:

The following activities under Technical assistance are identified as necessary to be carried out to form a basis for the elaboration and implementation of the Nemunas River Basin District Management Plan according to the Water Framework Directive:

1. Organizing of workshops and seminars as well as courses, practical training, skills improvement and testing activities in Lithuania and abroad for EPA and other relevant governmental and nongovernmental organizations at institutions and by experts with relevant expertise and success in the field of:
    a) promotion of public participation in water management (decision making and implementation process);
    b) spatial and river basin management planning;
    c) execution of intersectoral and intersinstitutional work, communication and relations while making common decisions and implementation actions of respective decisions in water management;
    d) work in team training (for the EPA staff);
    e) GIS application in river basin management;
2. Evaluation of the results of previous projects on River Basin District characterization, economical analysis, impact assessment and monitoring program;
3. Further characterization of Nemunas RBD, checking of analysis of pressures, impacts and economic analysis;
4. Revision of Typology of water bodies for the development of new monitoring program and for setting water status goals (including investigative field trips and research when necessary);
5. Revision of the establishment of reference conditions for all water body types and for all quality elements, listed in EU Water Framework Directive for the development of new monitoring program and for setting water status goals (including investigative field trips and research when necessary);
6. Revision of pressures and impact analysis for the development of new monitoring program and for setting water status goals (including investigative field trips and research when necessary);
7. Revision of Economical analysis for the preparation of programmes of measures;

8. Determination of water bodies at risk (including investigative field trips when necessary);
9. Adjustment of the current monitoring program to suite WFD and national needs (including investigative field trips to potential or present monitoring sites when necessary);
10. Development of water status classification systems for different water body types and the evaluation of the status of water bodies in accordance to new systems;
11. Identification of water-related problems in Nemunas sub-basins (including investigative field trips and research when necessary);
12. Elaboration of water status objectives taking into account natural, social and economical conditions in Nemunas sub-basins;
13. Identification of stakeholders in Nemunas sub-basins;
14. Preparation of instructions for the involvement of public in water management and undertaking the testing of them;
15. Training of staff (EPA, MoE, local governmental organizations, relevant NGOs, Coordination Boards representatives) for the public and stakeholder involvement activities;
16. Establishment of public information, consultation and involvement centres in the parts of the tributaries of the Nemunas RB and the development of work plans/ actions plans for the period 2006-2015;
17. Organizing awareness raising campaigns (workshops, seminars, leaflet and web information) on WFD requirements for state and local level governmental and nongovernmental organizations as well as for a general public;
18. Development of the detailed schedule and steps (on a priority basis) for the Nemunas river basin district management plan preparation;
19. Analysis of possible measures to reach water status objectives and to solve water-related problems;
20. Preparation of GIS maps and layers for the analysis and reporting purposes.
21. Elaboration of the draft Nemunas river basin management plan.

The preliminary list of planned activities needs to be specified and further developed during an inception phase of this project together with the detail time table for its' implementation.

It is not proposed to implement activities as a twinning project due to the predominantly specific and integral technical assistance content of the project. The implementation of project tasks requires specific professional expertise and a substantial number of local experts, which would be difficult to achieve through a twinning arrangement. It is also not foreseen any investment needs in the equipment or other things.

This technical assistance project will be carried out with a help of one international Long-term Expert (LTE) for the 12 months period together with a pool of international and local Short–term experts (STEs). Pool of international short–term for approximately 8 man/months and local experts for 10 approximately man/months will carry out the activities. This will provide general management and institutional support related to the activities of the project.

Profile for LTE

The LTE should provide overall management of the project and strategic institutional support. She/he will be requested to be aware of the EU requirements and mechanisms, related to the project activities as well as the experiences and results gained in Europe and elsewhere in the field of basin management and WFD implementation, public participation and other issues tackled by the project. The LTE should have a respectable experience in those particular fields. The LTE will work in close cooperation with the management and staff of the Lithuanian environmental protection agency and other institutions concerned.

Profile of STEs

Pool of international and local STEs is foreseen to work for the project. The STEs should have appropriate work experience and knowledge in the areas relevant to the project: WFD, biology, hydrology, water chemistry, water economy, spatial planning, water management, water monitoring, public participation, communication, work in team, interinstitutional work, GIS and other ones needed to execute the project.

3.5 Lessons learned:

The conclusions and recommendations from previous (see 3.2 Linked Activities) projects' Reports concerning the need for activities, which are foreseen to be implemented under this project, have been considered. The proposals to make full identification of stakeholders in the basin, to raise public awareness on water issues, WFD and public participation opportunities, to gather all existing data, to analyze it and make additional research for more detailed characterization of river basins and monitoring program adjustion were taken into account while developing this project's design.

The DANCEE project „Implementation of the EU Water Framework Directive, meeting the deadlines of 2006" has elaborated the methodologies for the achievement of the WFD requirements for 2006 and has carried out relevant analysis and characterization of the Nemunas river basin district. This Transition facility project could check the reliability of the methods proposed and fill the gaps of those analysis and characterization.

The DANCEE project „Tools for the EU Water Framework Directive implementation" has provided models and knowledge how to use these models to assist in setting reference conditions, undertaking human impact analysis on water, identification of water bodies at risk, developing water status classification system, assessing water status, effectiveness and suitability of possible measures. This tool shall be used for the tasks of this Transition Facility project.

US EPA/REC project „Addressing water eutrophication in the Baltic Sea Basin through regional NGO cooperation on sustainable river basin management and public participation" made an analysis of current practises and problems with public participation, tested some methods of involvement and proposed an action plan for the public involvement in basin management process. The Transitional facility project could use the plan and implement some measures foreseen there.

The FAME project „Development, evaluation and implementation of a standardised fish-based assessment method for the ecological status of European rivers: a contribution to the Water Framework Directive“ is developing water status evaluation method based on fish. It could be used for the elaboration of the national water status classification system.

4. Institutional Framework

The Lithuanian environmental protection agency (EPA) will be responsible for coordination of the project implementation. The Environmental strategy department of the Ministry of Environment will be responsible for the overall coordination of project implementation. The right implementation of the project will be ensured by a Steering Committee appointed by the Minister of the Environment and consisting of the representatives from EPA, Ministry of the Environment of Lithuania (MoE), other relevant governmental and non-governmental institutions and organizations (to be specified later). The representatives of the National Aid Coordinator will be invited to participate as an observer. The Steering Committee will meet every quarter in order to follow-up and monitor project implementation. The Coordination Board, which will be helping to co-ordinate the management measures within the each river basin district in order to reach water status objectives in water bodies, will be introduced with the findings of all analysis of the basin (characterization, pressures and impacts, economics etc.). In addition, the Board will participate in the capacity building exercises for future coordination activities of basin management plans preparation.

Project work will involve trainings for the staff of EPA, Marine Research Centre (MRC), Regional Environmental Protection Departments (RD) and relevant governmental and non-governmental organizations (will be identified during project process), public awareness raising campaigns performed by relevant experts at different scales and for different target groups, information gathering and analysis by responsible experts from relevant institutions for the derivation of project outputs and other actions needed. The MRC will be trained to better perform its functions such as monitoring and characterization of coastal and transitional waters, pressures and impact analysis there, goals assignment to those water bodies, identification of main problems and possible solutions for programs of measures there. The RDs competence will be strengthened to carry out the functions of monitoring, permitting, supply of local knowledge on the problems at place, control of the execution of programs of measures locally.

The work progress will highly depend on the selected local experts, the institutions they represent, and the willingness to cooperate and provide data of other institutions not financially involved in the project.

The results of the project will not change the existing institutional structure for water management in the short-term. The project may lead to the formation of effective interinstitutional relations and partnerships with NGOs and general society in managing water resources.

5. Detailed Budget

	Transition Facility Support					
	Investment Support	Institution Building	**Total TF(=I+IB)**	**National Co-financing**	**IFI**	**TOTAL**
Technical assistance		0.8	0.8			0.8
Total		0.8	0.8			0.8

6. Implementation Arrangements

6.1 Implementing Agency

PAO: Aloyzas Vitkauskas, Director of the CPMA

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Telephone: + 370 5 2 51 44 00
Fax: + 370 5 2 51 44 01
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The main beneficiary institution is Lithuanian EPA and the following person is the responsible officer for the Project and the main contact point:

Aldona Margeriene, head of Basin management and pollution prevention department at Lithuanian EPA

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6.2 Twinning

There is no Twinning component in the project.

6.3 Non-standard aspects

There are no non-standard aspects to this project. The project will be implemented according to EDIS procedures.

6.4 Contracts

Technical assistance component: 0.8 MEUR

7. Implementation Schedule

Component	**Start of Tendering**	**Start of Project Activity**	**Project Completion**
Technical assistance	3Q/04	1Q/05	1Q/06

8. Sustainability

Approximately 10 currently present persons from EPA and the Marine Research Centre under the Ministry of Environment are planned to be trained and involved in

project output development activities, some additional staffing for 1-2 persons is discussed to be trained and later invited to work for EPA. Thus not much additional financing will be needed for those supplementary workers.

The project activities will form a pool of local experts at various administrative levels as well as at NGOs and scientific institutions. This will lay down a foundation for possible cooperation and partnership establishment in managing water resources of the Nemunas river basin in accordance to the WFD requirements. Furthermore, the trainers trained will be used to convey the knowledge gained to other river basins of the country.

9. Conditionality and sequencing

No specific conditions are foreseen for the beneficiary institution that would be required for the project start.

ANNEXES TO PROJECT FICHE

1. Logical framework matrix in standard format (compulsory)
2. Detailed implementation chart (compulsory)
3. Contracting and disbursement schedule by quarter for full duration of programme (including disbursement period) (compulsory)

Annex 1 LOGFRAME PLANNING MATRIX FOR PROJECT **Institutional building for the Nemunas River Basin Management**		Programme Name and Number: Transition Facility	
		Contracting Period Expires: 3Q/2006	Disbursement Period Expires: 3Q/2007
		Total Budget 0.8 MEUR	Transition Facility Budget 0.8 MEUR
Overall objective To strengthen institutional capacity for the implementation of WFD in the Nemunas River basin.	**Objectively Verifiable Indicators** All obligations and requirements of Water Framewor Directive are fulfilled.	**Source of Verification** Governmental decision endorsing Nemunas River basin district management plan Documentation of the Ministry of Environment, EPA, NAC, CPMA	
Project purpose 1. To increase administrative capacity of relevant institutions to manage Nemunas River basin according to EU requirements. 2. To prepare Nemunas River management plan.	**Objectively Verifiable Indicators** Nemunas River basin menaged accoerding to the requirements of WFD: Relevant institutions duly prepared to manage Nemunas River basin; Nemunas River management plan prepared by the end of the project;	**Source of Verification** Ministry of Environment Documentation of EPA, NAC, CPMA Final project document	**Assumptions** Financial resources are located
Results 1.Improved institutional capacity for the integrated river basin management created. Experts for the integrated river basin management from a competent authorities EPA, MoE and local governmental organizations (Regional Environmental Protection Departments, Environmental units of Municipalities in the Nemunas river basin) trained. 2.Further characterisation of the Nemunas RB district done and decision on the status of characterisation agreed. The analyses of pressures and impacts, economic analysis of water uses checked and decisions on the status agreed.	**Objectively Verifiable Indicators** The staff (approximately 150 people) of EPA, relevant governmental (Ministry of Environment, Regional departments, Marine Research Centre, municipalities, counties etc.) and nongovernmental institutions trained in river basin district management with regard to spatial development, planning, economic analysis, GIS, intersectoral and interinstitutional work, communication, work in team skills and public	**Source of Verification** Ministry of Environment Documentation of EPA, NAC, CPMA Project reports Project outputs	**Assumptions** Relevant national and local institutions and public are willing to cooperate

3.The water status classification system conforming the EU WFD requirements developed and status of water classes for different water bodies determined; 4.Water bodies at risk determined and relevant staff trained; 5.Objectives to achieve good ecological status set up. Consultation by stakeholders performed and decision by trained experts taken. 6.Stakeholders of Nemunas river basin district identified and the network of stakeholders set-up; 7.Staff for public and stakeholder involvement activities trained. 8.Water status objectives in the Nemunas river basin district elaborated and relevant staff trained; 9.Public information, consultation and involvement centres in the parts of the tributaries of the Nemunas RB set up, and the work plans/ actions plans for the period 2006-2015 developed. 10.Governmental and nongovernmental organizations' as well as public awareness on WFD requirements, opportunities for NGO and general public to participate in basin management raised by approximately 50 %. Six awareness campaigns organised in the main watersheds of the tributaries of the Nemunas RB. 11.Monitoring programme adjusted by selecting monitoring sites representing reference conditions, sites for surveillance, operational, investigative and diffuse pollution impact assessment monitoring, by suggesting monitored parameters, frequencies and relevant methodologies; 12.Detailed schedule and steps (on a priority basis) of the Nemunas river basin district management plan preparation established; 13.Possible measures to reach water status objectives in Nemunas river basin district proposed and relevant institutional staff trained (staff of Environmental Protection Agency, Marine Research Centre under the Ministry of Environment, etc.); 14.Draft of the Nemunas river basin management plan developed, stakeholders contacted, and public awareness campaigns organised.GIS maps and layers prepared for the analysis and reporting purposes (GIS maps and layers of the Nemunas river basin district and sub-basins, water bodies,	participation. The 6 trainers for the training of relevant personal in other river basin districts will be prepared The list of Nemunas river basin district stakeholders and tuned recomendations for public involvement prepared, network set-up; State and local level governmental and nongovernmental organizations' togeather with general public awareness on WFD requirements and public participation opportunities for the public in water management increased by 50%; Criteria for water status classification systems for different water body types developed (approximately 400 values elaborated), water status classification systems established and water bodies belonging to certain water status assigned; Water bodies at risk determined (approximately 100), water status objectives for different water bodies established and the relevant staff trained to accomplish those tasks again in the future; Monitoring sites selected (approximately 350), including those representing reference conditions, sites for surveillance, operational, investigative and diffuse pollution impact assesment monitoring, monitored parameters, frequincies, relevant methodologies suggested. Detailed step by step timetable for the praparation of Nemunas river basin district management plan elaborated;		

water body types, monitoring network, its results).	A preliminary set of measures to reach water status objectives in Nemunas river basin district established; GIS maps and layers (approximately 12) of the Nemunas river basin district and sub-basins, water bodies, water body types, monitoring network and its results created.		
Activities 1.Organizing of workshops and seminars as well as courses, practical training, skills improvement and testing activities in Lithuania and abroad for EPA and other relevant governmental and nongovernmental organizations at institutions and by experts with relevant expertise and success in the field of: a)promotion of public participation in water management (decision making and implementation process); b)spatial and river basin management planning; c)execution of intersectoral and intersinstitutional work, communication and relations while making common decisions and implementation actions of respective decisions in water management; d)work in team training (for the EPA staff); e)GIS application in river basin management; 2. Evaluation of the results of previous projects on River Basin District characterization, economical analysis, impact assessment and monitoring program; 3. Further characterization of Nemunas RBD, checking of analysis of pressures, impacts and economic analysis; 4.Revision of Typology of water bodies for the development of new monitoring program and for setting water status goals (including investigative field trips and research when necessary); 5.Revision of the establishment of reference conditions for all water body types and for all quality elements, listed in EU Water Framework Directive for the development of new	**Means** Technical assistance component. Long term international expert for 12 man months and the pool of international (approximately 8 man months) and local (approximately 10 man months) short term experts.		**Assumptions** Qualified and capable company and a pool of international and local LTE and STE experts is selected to implement the project activities.

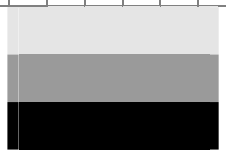
monitoring program and for setting water status goals (including investigative field trips and research when necessary); 6.Revision of pressures and impact analysis for the development of new monitoring program and for setting water status goals (including investigative field trips and research when necessary); 7.Revision of Economical analysis for the preparation of programmes of measures; 8.Determination of water bodies at risk (including investigative field trips when necessary); 9.Adjustment of the current monitoring program to suite WFD and national needs (including investigative field trips to potential or present monitoring sites when necessary); 10.Development of water status classification systems for different water body types and the evaluation of the status of water bodies in accordance to new systems; 11.Identification of water-related problems in Nemunas sub-basins (including investigative field trips and research when necessary); 12.Elaboration of water status objectives taking into account natural, social and economical conditions in Nemunas sub-basins; 13.Identification of stakeholders in Nemunas sub-basins; 14.Preparation of instructions for the involvement of public in water management and undertaking the testing of them; 15.Training of staff (EPA, MoE, local governmental organizations, relevant NGOs, Coordination Boards representatives) for the public and stakeholder involvement activities; 16.Establishment of public information, consultation and involvement centres in the parts of the tributaries of the Nemunas RB and the development of work plans/ actions plans for the period 2006-2015; 17.Organizing awareness raising campaigns (workshops, seminars, leaflet and web information) on WFD requirements for state and local level governmental and nongovernmental organizations as well as for a general public; 18.Development of the detailed schedule and steps (on a priority basis) for the Nemunas river basin district management		

plan preparation; 19.Analysis of possible measures to reach water status objectives and to solve water-related problems; 20.Preparation of GIS maps and layers for the analysis and reporting purposes. 21.Elaboration of the draft Nemunas river basin management plan.		
		Precondition

Annex 2

Detailed Implementation Chart for the Project

Year	**2004**												**2005**												**2006**											
Month	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Technical assistance																																				



design

tendering

implementation

Annex 3

Contracting and disbursement schedule by quarter for full duration of program (PHARE Contribution only, MEUR)

	Date												
	2004			**2005**				**2006**					
	31/03	**30/06**	**31/12**	**31/03**	**30/06**	**30/09**	**31/12**	**31/03**	**30/06**	**30/09**	**31/12**		
Contracting													
• Technical assistance				0.8									
Total contracting (cumulative)				**0.8**									
Disbursement													
• Technical assistance				0.48	0.48	0.72	0.72	0.72	0.8				
Total disbursement (cumulative)				**0.48**	**0.48**	**0.72**	**0.72**	**0.72**	**0.8**				