EXTENSION OF THE SANITARY SUPERVISION SYSTEM IN THE AREA OF WATER QUALITY

TOTAL BUDGET: 769,998.86 €

PROJECT DURATION: 14 months

PROJECT PLACE: Warsaw

THE BENEFICIARY: Ministry of Health of Poland, Chief Sanitary Inspectorate, National Institute of Hygiene, Sanitary Epidemiological Centers, Laboratory for Radiological Protection

THE MEMBER STATE PARTNER: Ministry of Health of Italy, Regional Agency for Environmental Protection of Veneto Region (ARPAV), and Lombardia Region (ARPAL), Italian National Institute of Health (ISS), Italian Training and Study Centre (Formez).

KICK-OFF MEETING: January 11, 2007

EXPERTS INVOLVED IN THE MANAGEMENT OF THE PROJECT:
- 1 Project Leader
- 4 Component Leaders
- 1 Resident Twinning Advisor
- 40 Short-Term Experts

NUMBER OF WORKING DAYS PLANNED: 435
**LEGAL FRAMEWORK**

The management of the Polish drinking water monitoring system is related to the following relevant EU legislation:


The aim of the Directive is to protect human health from the adverse effects of contamination of water. It applies to all water intended for human consumption, as well as water used in the production and marketing of food, subject to certain exceptions including natural mineral waters which are regulated pursuant to Council Directive 80/777/EEC. Member States are required to monitor the quality of drinking water and to take measures to ensure that it complies with the minimum quality standards.


World Health Organization-Guidelines for Safe-Recreational water Environments

(Volume 2) This volume describes the present state of knowledge regarding the hazards associated with the recreational use of swimming pools, spas and similar recreational water environment.

Other European legislation comprises:

- Access to Environmental Information Directive (90/313/EEC) Requires environmental information held by public bodies to be rendered accessible to consumers.
- Reporting Directive (91/692/EEC) and Water Questionnaires (92/446/EEC and 95/337/EEC) Regards the transmission of information and reports concerning certain EC directives from Member States to the Commission. The reporting requirements specified in many water protection directives are modified by this directive.

**BACKGROUND**

The overall objective of the Phare project 2002 "Monitoring of drinking water quality PL 2002/000-580.05.02" was institutional and investment strengthening of the State Sanitary Inspection units in the scope of the monitoring of drinking water quality the provisions of which are set out in Directive 98/83/EEC. Its implementation was carried out in accordance with the ordinance of the Minister of Health of November 19, 2002 on requirements for the quality of water intended for human consumption.

Simultaneously, in 2006 the realisation of project PLD/03/EN02 “Management System on Drinking Water Monitoring in Chief Sanitary Inspectorate” has begun, the objective of which, is among others, to create Geographical Information System comprising information on health risk assessment related to water quality.

As the creation of an integrated system of water quality management is very complex and time-consuming, the Chief Sanitary Inspectorate in collaboration with the National Institute of Hygiene have undertaken the realisation of the task of creation of the sanitary supervision system in sport and recreation centres using water. Simultaneously the Inspectorate with the Central Laboratory for Radiological Protection are planning the overall objective of the Phare project 2002 "Monitoring of drinking water quality PL 2002/000-580.05.02" was institutional and investment strengthening of the State Sanitary Inspection units in the scope of the monitoring of drinking water quality the provisions of which are set out in Directive 98/83/EEC. Its implementation was carried out in accordance with the ordinance of the Minister of Health of November 19, 2002 on requirements for the quality of water intended for human consumption.

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**PROJECT OBJECTIVES**

The improvement of the sanitary supervision system regarding:

- Health risk resulting from the methods of water treatment, water storage and water distribution
- Health risk water used for recreation and sport purposes
- Water radioactivity monitoring.

1. Further implementation of “acquis communautaire” regarding water quality, in particular, Directive 98/83/EC and Directive 89/106/EEC relating to the aims to water risk assessment and safeguard human health of the impact of:
   - micro-organisms causing infections
   - preparations used in water treatment and of materials having contact with water
   - contaminations radioactivity origin

2. Beginning of implementation of "acquis communautaire" relating to the quality of water in recreation and sport centres.

**ACTIVITIES OF THE TWINNING PROJECT**

Component 1 Treatment chemicals used in the production of drinking water and materials in contact with water during treatment, storage and distribution

- Construction products drinking water (CPDW)
- Disinfectant and disinfection by-products (DBPs)
- Coagulants, flocculants and other chemicals
- Distribution systems
- Drinking Water Risks data-model

Component 2 Water used for recreation and sport purposes

- Knowledge
- Elaboration of standards for supervision of recreational water quality (monitoring)
- Elaboration of a management system
- Training
- Proposal of a new act

Component 3 Water radioactivity monitoring

- Knowledge
- Settlement of analytical procedures
- Support in setting up unforeseen methodologies
- Definition of the monitoring system and execution of a pilot project

Component 4 Risk factors affecting water safety in public buildings

- Knowledge
- Training
- Legionella
- Protection of water safety in public building
- Risk analysis system integration for monitoring and prevention purpose

**CRUCIAL BENCHMARKS**

1. Guidelines/procedures concerning the sanitary supervision system and internal regulatory framework in the field of methods and substances used for water treatment and of materials and products remaining in contact with water (compliance with art. 10 dir98/83/EC and technical specifications established by Directive 89/106/EEC)

2. Indications for definition of regulation concerning the quality of water in recreation and sport centers according to the Polish institutional asset including:
   - elaboration of standards of water quality
   - elaboration of a supervision system

3. Guidelines/procedures concerning the sanitary supervision system, internal regulatory framework and operational procedures in the field of monitoring of drinking water radioactivity

4. Procedures concerning monitoring of pathogens in water, including Protozoa (Giardia, Cryptosporidium) and Legionella