



**Plovdiv, Bulgaria
30/11/2007**

Hotel Trimontzium

Workshop Topic:

**Technical Assistance for Flood Forecasting
and Early Warning System under PHARE**



Workshop Highlights

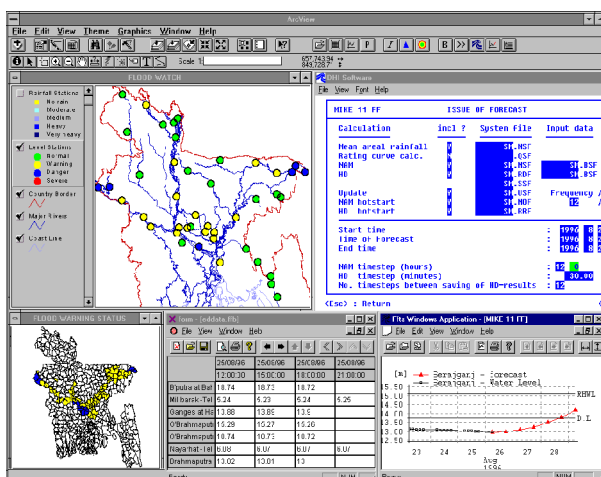


This project is part of the more global European PHARE project "Capacity Improvement for Flood Forecasting in the Bulgarian-Turkey Cross Border Cooperation Region". Its realisation

has been entrusted by the Ministry of Regional Development and Public Works to the consortium "BCEOM société d'Ingénierie" & "HKV Consultants" from France and Holland with the participation of



Bulgarian experts and the support of the National Institute of Meteorology and Hydrology (NIMH) and the East Aegean River Basin Directorate of the Ministry of Environment and Water. It started officially on October 2nd.



The project aims at developing an operational information system for flood analysis, flood mapping and flood forecasting which will help mitigate in the future the flood consequences along the Maritza and Tundja, and provides on time information to authorities from Bulgaria and Turkey

in charge of alerting the population and of managing the operations during the flood events.

The main activities and results of the project will be:

- Flood genesis study by analysis of the historical hydro meteorological data provided by NIMH. Scenarios of 20 , 100 and 1000 years return period floods will be produced.
- Geographical and topographical data collection including 4 months of survey works for integration within a geographical database with recommendations for harmonization and interoperability with Turkish dataset
- The set up of an integrated hydrological-hydraulic model using the software platform provided through a parallel supply contract in the same program: the models will be calibrated and validated with historical data and will account for dam management rules to simulate floods.
- The production of informative flood maps from model results applied on the above scenarios which may be accounted for by municipality for their urban policy.
- The build up of an operational Flood forecasting system based upon the hydraulic and hydrologic models that will interface with real time data acquisition processes and with the alert / alarm processes and procedures



Training of Bulgarian experts from the beneficiary teams for capacity building along the whole project.



The purpose of this workshop, beside the project presentation is to give room for discussion upon the modelling approach, results to be expected for mapping the flood extensions, and the functions of the operational forecasting system for alert and flood mitigation

which will be set up.

This discussion is necessary in order to take into account in an integrated and concerted management approach, the specific wills, needs and knowledge of the different stakeholders which are concerned by the issue of floods in this area.