

# **The institutional strengthening in preparation for upgrading of Lithuanian meteorological network**

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Project leader

# Project information

- FMI is the Provider of Services
- The project started Dec 2005
- The project will end Jan 2006
- Project FMI team in Vilnius
  - - 4 key experts
  - - 3 other experts

# Project purpose

- To strengthen the institutional capacities of LHMS and relevant institutions in preparation of implementation of EU Framework Directive on ambient air quality assessment
- The project will also assist the LHMS in upgrading of meteorological observing network

# Activities

- **Activity 1 is to review and update the existing Lithuanian meteorological observing system**
- **Activity 2 is to assess conformity of meteorological measurements for air quality assessment in order to meet requirements for designated zones and agglomerations.**
- **Activity 3 is preparation of reports and a detailed plan on meteorological network development (optimization).**
- **Activity 4 is analysis of current state of meteorological stations and identification of needs for automation and modernization of meteorological stations taking into consideration a prepared plan on meteorological network development.**
- **Activity 5 is elaboration of detailed list of measurement equipment, hardware and software for automation and modernization of meteorological stations, data preprocessing and transmission.**

- Activity 6 is preparation of technical specifications for the measurement equipment, hardware and software
- Activity 7 is preparation of training programmes in field of design, upgrading, operating, maintaining of meteorological observation network as well data pre-processing and transferring
- To compensate activity 8 this activity it was decided that the project supported the LHMS in installing HIRLAM NWP (numerical weather prediction)
- Activity 9 is conducting of trainings for the relevant staff of LHMS and Environmental Protection Agency (EPA).
- Activity 10 is preparation of detailed recommendations on applications of particular numerical weather prediction (NWP) model to forecast weather conditions by the LHMS
- One additional activity in this project was to draw upper air soundings using computer based program instead of manual drawing and to practice the use meteorological workstation software.