

Applicant: Institute of Landscape Ecology SAS

Project partners: Institute of Botany SAS
Institute of Zoology SAS
Institute of Hydrology SAS
Institute of molecular biology SAS
Chemical Institute SAS
Faculty of Natural Sciences UK Bratislava

Realisation: 01.05.2009 - 30.11.2011

Priority axis 4: Support to research and development in the Bratislava region
Arrangement 4.1: Support of networks of excellence in research and development as the pillars of regional development in the Bratislava region.

Appeal OPVaV-2008/4.1/01-SORO

The main project objective:

Strengthening capacities of excellence departments of the research and development in Bratislava region, by means of innovation in the sphere of research and landscape protection and biodiversity.

Hydrological laboratory for study of changes and use of landscape and for biodiversity

Used to obtain data about abiotic components of the country for landscape protection and biodiversity and to implement them in all the other activities. The result is a unique system of information about of live and inanimate components of the country. System has application in a wide range of disciplines and in various government departments and in the economic sector, too.

The activity safeguards monitoring the hydrological regime in Slovakia and its impact on the landscape and biodiversity. The emphasis is focused on the interconnection methods of operation and their results with project partners. Using newly acquired equipment and computers are obtained, analyzed and interpret data about of live and inanimate components of the country.

Instrumentation

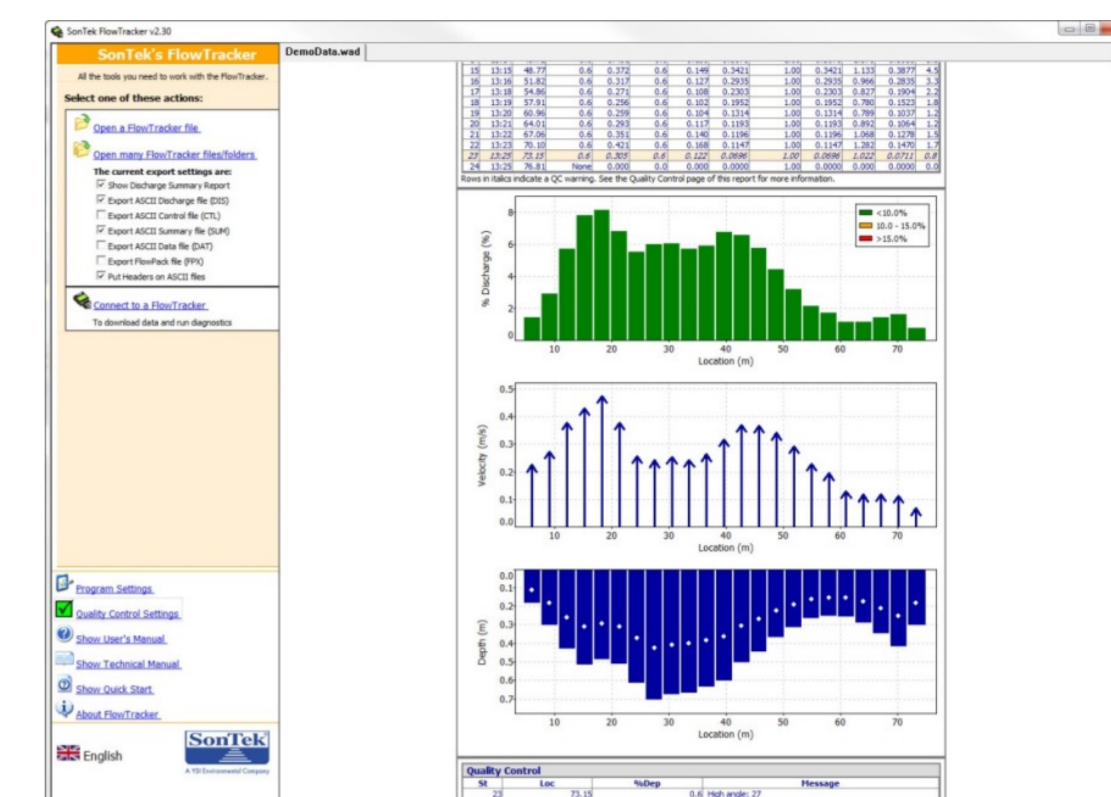
Limnigrap



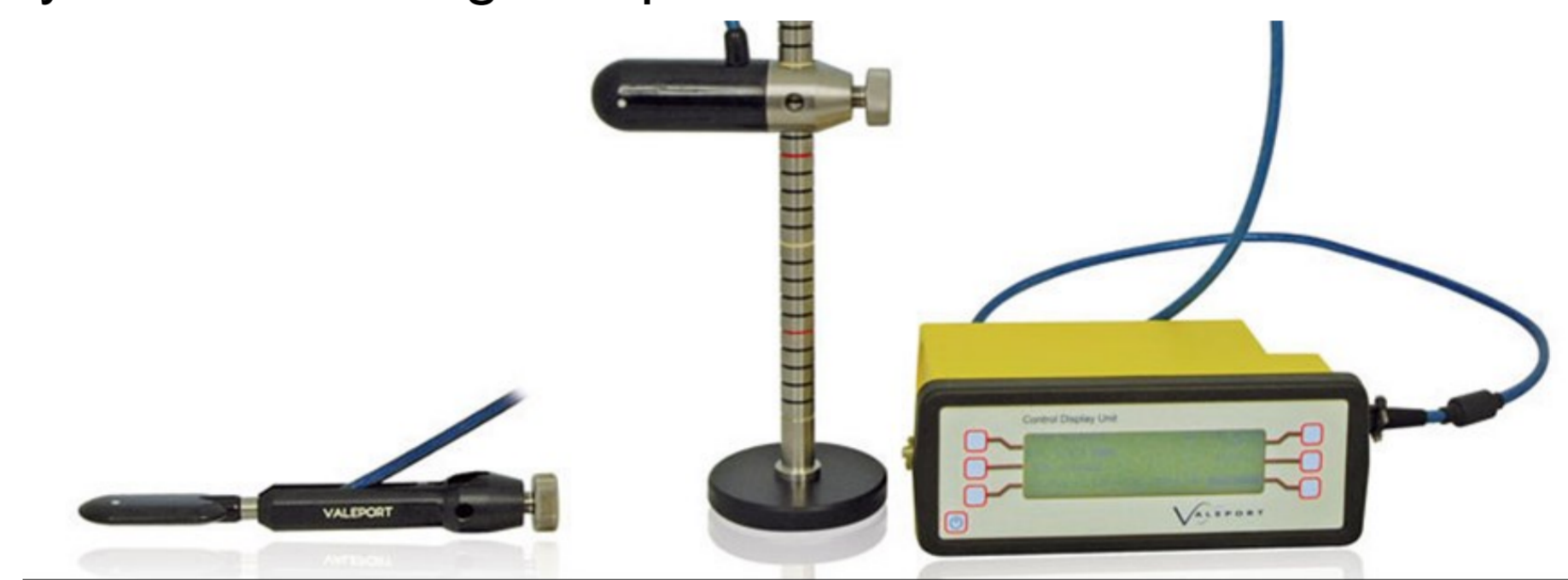
Portable spectrophotometer
VIS DR 2800



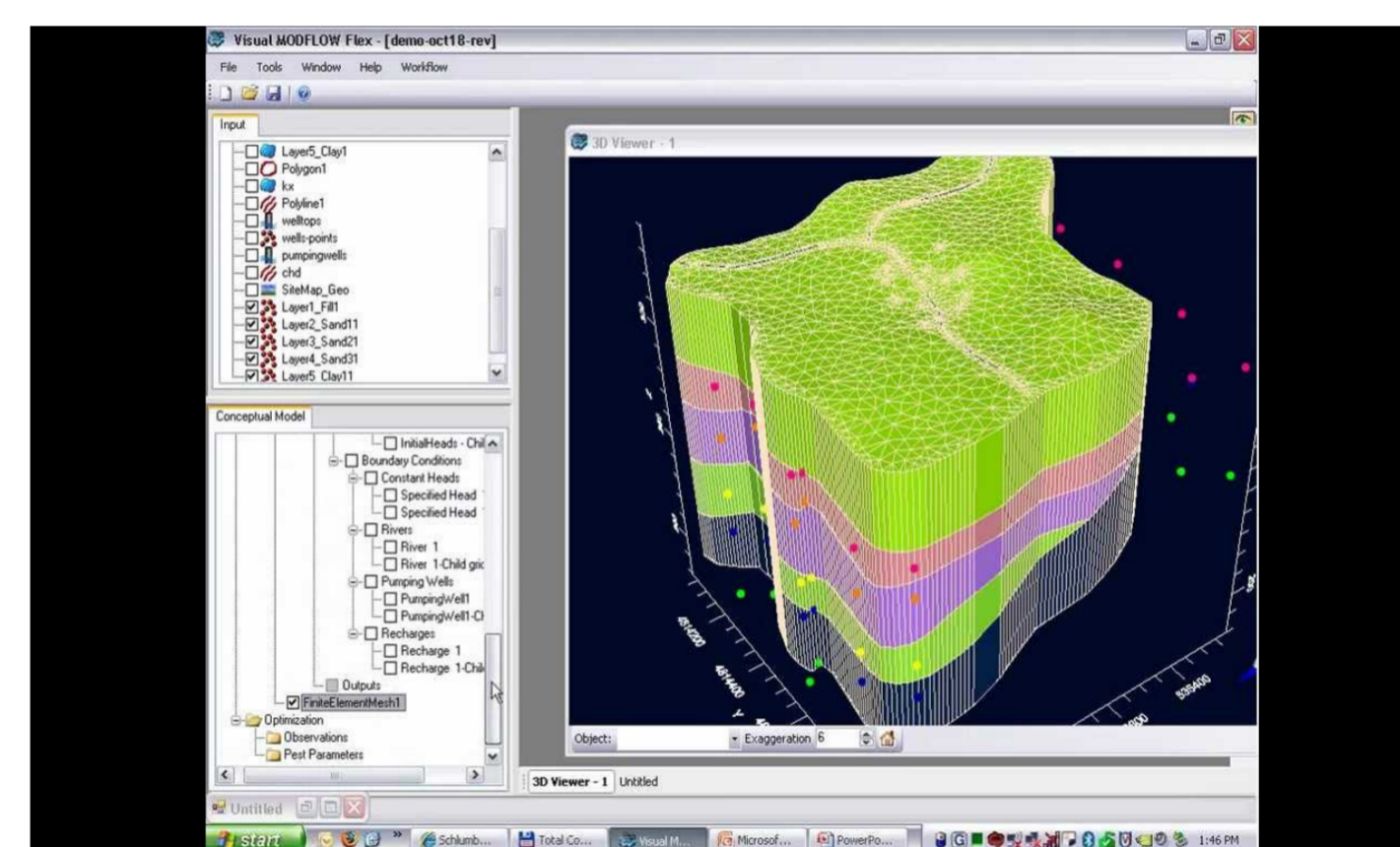
Flow Tracker 2D – Hydrometric Wing on the principle of Doppler effect



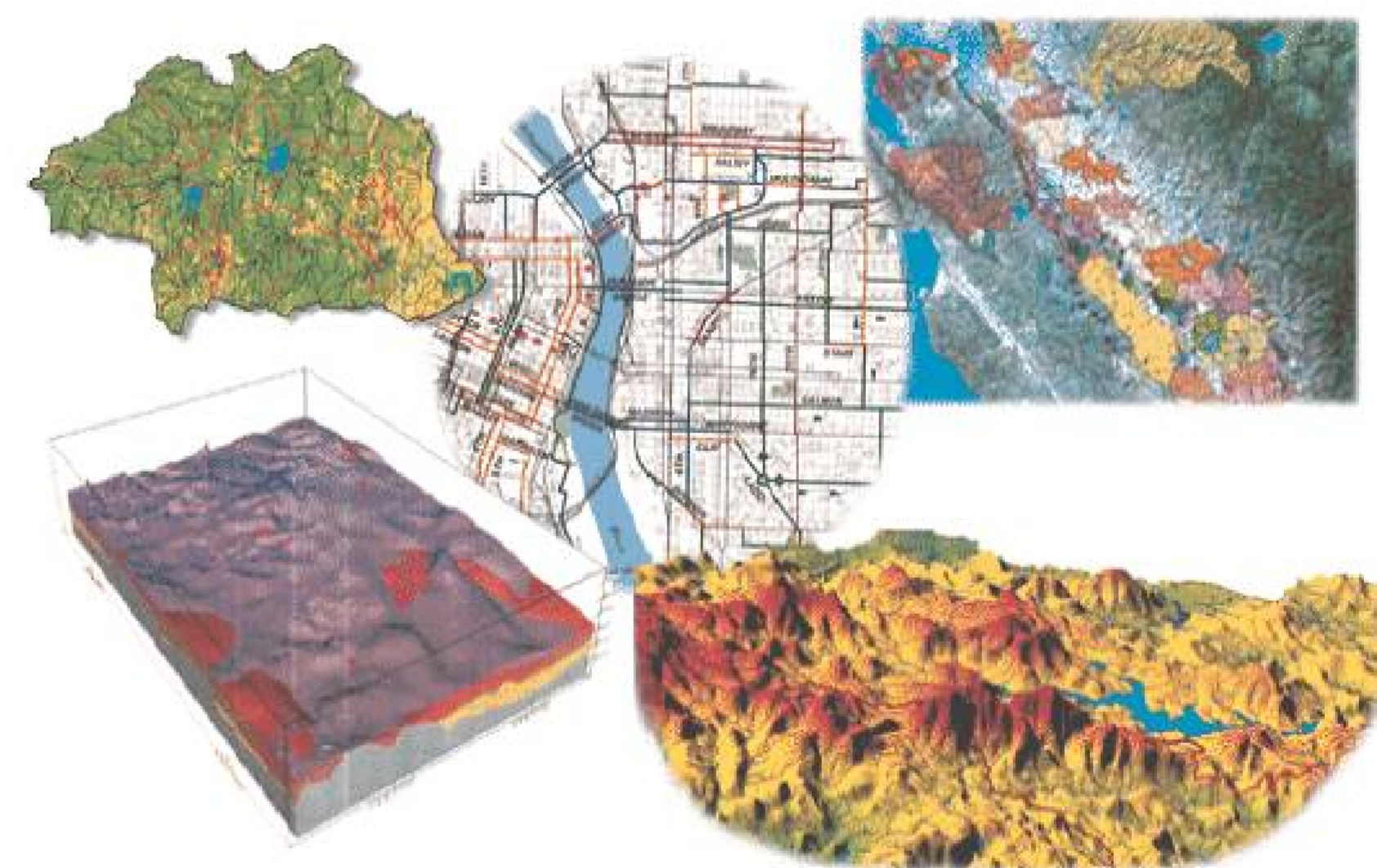
Hydrometric Wing Valeport 801C



Visual MODFLOW Premium Software



Vector map SVM 50



Nikon and Panasonic camera



GPS Mobile Mapper



Database Server and Personal

