



## **DEVELOPMENT OF DECISION SUPPORT SYSTEMS FOR INTEGRATED WATER MANAGEMENT IN BELARUS**

### **TRAINING COURSE**

**2 - 4 June 2010 - Minsk, CRICUWR**

### **PROGRAMME**

The CEI-KEP project “Development of decision support systems for integrated water management in Belarus” focuses on the knowledge transfer and the application of Decision Support Systems (DSS) methods on the Integrated Water Resources Management (IWRM) in Belarus, specifically through the development of a case study, the organisation of a training course at the Central Research Institute for Complex Use of Water Resources (CRICUWR) of Minsk, and the elaboration of a methodological working document for the Belarus Authority proposed to the development of the normative related to IWRM.

The University of Trieste, Italy, and the CRICUWR of Minsk, Belarus, are pleased to announce the training course on Development of Decision Support System for Integrated Water Management.

The training course is intended to bring together Bielorussian and foreign experts on integrated water management and DSS, researchers, industry members and stakeholders to explore a range of DSS applications for problem solving in the field of Complex Use of Water Resources.

## PROGRAMME

Wednesday, June 2, 2010

### ***Decision Support Systems, theory and application experiences***

#### *Morning session*

- 9.00 – 9.30 **Opening, Welcome introduction** - Ing. Aliaksandr Pachomau, CRICUWR , Belarus
- 9.30 – 10.00 **KEP project overview** - Dr. Mauro Scimone, University of Trieste , Italy
- 10.00 – 10.30 **Remote Sensing techniques for environmental resources studies** - Prof. Alfredo Altobelli, University of Trieste, Italy
- 10.30 – 11.00 **Spatial DSS methods and techniques** – Dr. Tatsiana Hubina, University of Trieste, Italy
- 11.00 – 11.30 Coffee break
- 11.30 – 12.00 **DSS examples on water management in Mediterranean agriculture** – Dr. Daniele Zaccaria, CIHEAM-IAM Bari, Italy
- 12.00 – 12.30 **DSS examples on nitrate pollution in the Grado Marano lagoon** – Dr. Mauro Scimone, University of Trieste, Italy
- 12.30 – 13.00 **Evaluation of the reliability of DEM Hydro-processed drainage network and catchment areas**  
- Dr. Giuseppe Grasso , Dr. Giuseppe Cantarella, Dr. Simone Genovese, Dr. Tatsiana Hubina, Dr. Marco Li Volsi & Dr. Ferdinando Reitano, Consultants on Spatial Data Management for the Regione Siciliana, Catania, Italy
- 13.00 – 13.30 **An overview of research and development programs of International Cooperation for Belarus**  
- Dr. Medea Terrana, DES UNIMED, Palermo, Italy
- 13.00 – 13.30 **External cooperation programmes - European Commission, ENPI, Individual Service Contract forecast**  
- Dr. Mauro Scimone, University of Trieste, Italy  
The presentation will be followed by an open discussion on future cooperation possibilities

Thursday, June 3, 2010

### ***Field trip to the study area. Discussion with the Bielorussian experts on the main problematic of the area***

Friday, June 4, 2010

### ***Free way for spatial solutions***

#### *Morning session*

- 9.00 – 13.00 **Open source GIS & remote sensing software applications using free data for Naroch lake area** - Prof. Alfredo Altobelli, University of Trieste, Italy  
- Dr. Tatsiana Hubina, University of Trieste, Italy

This presentation will describe an example for the Bielorussian territory using free-off charge geographic information (satellite images, Digital Elevation Models, vector data) and open source GIS software gvSIG. The session will combine the presentation an open discussion on possible open source GIS software applications, free geographic data quality, free geographic data sources etc.

Please contact or call for any questions:	BELARUS (Russian, English) Ing. Aliaksandr Pakhomau tel.: +375 17 263 53 31 e-mail: aliaksandr.pakhomau@cricuwr.by	ITALY (Italian, English) Dr. Mauro Scimone tel.: + 39 3332362434 e-mail: mauro.scimone@iol.it	ITALY (Russian, English, Italian) Dr. Tatsiana Hubina tel.: + 39 320 4510630 e-mail: thubina@gmail.com
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