

Program of the Environment Commission

Session 1: Overview on ICT and Environment

Session synopsis

The goal of this session is to provide an overview of Environmental ICT applications. After an introductory presentation, two case studies (one from Africa, one from Europe) related to water resource management are presented. A discussion provides the possibility for questions and answers.

Session Program

- Overview Presentation: *Gavin Fleming and Ralf Denzer*, Use of ICT for the Environment (15 mins)
- Case study 1: *David A. Swayne*, Canada, Lake Malawi Decision Support System (25 mins)
- Case study 2: *Jonathan Williams*, UK, IMARQ – Marine Water Quality Forecasting (25 mins)
- Q&A and discussion (25 mins)

Session 2: Research Needs

Session Synopsis

The goal of this session is to introduce the most important current research topic of environmental ICT: the issue of integrated transboundary systems. The topic will be motivated by a case study, followed by a presentation of current ongoing international initiatives. Finally, the proposed capacity building and research projects are presented.

Session Program

- Case study 3: *NN, South Africa*, AFIS (Advanced Fire Information System) as part of WAMIS (Wide Area Monitoring Information System) – the need for integrated information infrastructures (25 mins)
- Research needs, the larger picture: *NN (to be confirmed), DG INFISO*, Towards standardised global infrastructures for environmental monitoring (15 mins)
- Capacity building and research proposals: *Ralf Denzer and Gavin Fleming*
 - Capacity building for environmental ICT (10 mins)
 - Global sharing of information infrastructures – how to transport *ORCHESTRA* results to Africa (15 mins)
- Q&A and discussion (25 mins)

Session 3: Requirements from Policy Makers, Governments and Authorities in Developing Countries

Session synopsis

The goal of this session is to discuss specific needs of Enviromatics in developing countries.

Session Program

- Moderator: to be determined, 5 minutes entry statement
- Panel: to be determined, 5 x 5 minutes entry statements by panelists
- Discussion