

**iEMSs 2006
ISESS Session**

Author	Paper Title
Denis Havlik	From proprietary Environmental Software Systems to interoperable components
Petra Claeys	Intelligent configuration of numerical solvers of environmental DAE models using machine learning techniques
Luis Leon	A 3D Hydrodynamic Lake Model: Simulation on Great Slave Lake
William Booty	Integrated Modeling: Examining the Fate and Transport of Contaminants in Canadian Lakes and Rivers
Ayalew Kassahun	A knowledge base system for multidisciplinary model-based water management
Jiri Hrebicek	Current Trends in Environmental Modelling with Uncertainty
Werner Geiger	Experience Gained from the Use of Environmental Information Systems for the Public in the State of Baden-Wuerttemberg
Stefano Mazzoleni	A new raster-based spatial modeling system: 5D environment
Josef Fiala	Using Information and Communication Technology in Company Environmental Awareness Amplifying
Edwin Roehl	Integrating 3D Hydrodynamic Transport and Ecological Plant Models of the Savannah River Estuary Using Artificial Neural Network Models
Ralf Denzer	A Review of Risk Management Information Infrastructure Initiatives in Europe
Gerhard Smiatek	Environmental modeling in heterogeneous space
Jaroslav Racek	Process Analysis of Environmental Reporting
David Swayne	Are you being served? Do you want it “super-sized”? Do you want files with that? Do you want “takeaway”? Experiences in Sharing Environmental Models in Distributed Environments
Vimal Sharma	Auto-Calibration of Hydrological Model Using High Performance Computing
Daryl Hepting	Opening Access to Environmental Software Systems
Sven Kralisch	JAMS – A Framework for Natural Resource Model Development and Application
Jaroslav Racek	Assessment of ecological state of surface waters in ARROW project: robust multivariate predictive models
Ferdinando Villa	Declarative modeling for architecture independence and data/model integration: a case study
Marcello Donatelli	A component to implement agricultural management in simulation systems
Virginia Brilhante	Information Integration through Metadata and Ontologies for Sustainability Analysis
Ioannis Athanasiadis	Enriching software model interfaces using ontology-based tools
Tammevan der Wal	Semantically enriches software framework for integrated policy assessment
Gabriel Wainer	Applying Cell-DEVS for Modeling Advanced Environmental Systems
Gabriel Wainer	Creating Advanced Fire-Spreading models using the CD++ toolkit
Yasuyuki Egashira	Application of test-drive development framework for environmental software: A case study in long-term photosynthetic process simulation
Jaroslav Mysiak	Paradigm shift in computer aided policy support

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Chris George	The WaterBase Project
Chris Pyke	The Climate Assessment Tool for the BASINS modeling system: new capabilities for evaluating the vulnerability of hydrologic end points to climate variability and change
Robert Argent	A conceptual software system for water allocation, planning and catchment management