

Preliminary program of ISESS 2011, June 27-29, 2011

Venue: Campus Masaryk University, Brno

Monday 27/6/2011

Plenary common sessions 9:00 - 12:00

Aula, 9:00-10:30, Opening Ceremony, Chairpersons Jiří Hřebíček

9:00 9:10 Invitation, **Prof. Jaromír Leichmann**, Masaryk University, dean of Faculty of Science
9:10 9:20 Invitation, **Tomáš Vrbík**, Ministry of Environment, deputy minister
9:20 9:30 Awardness of Prof. **Anthony Jakeman**, Australian National University by the Silver med
9:30 10:15 Making progress in environmental modelling and simulation
10:15 10:30 Opening concert Kantiléna Brno

10:30 11:00 **Coffee break**

Aula, 11:00-12:00, Opening plenary talks, Chairperson Gerald Schimak

11:00 11:30 Digital Earth Vision for Europe, Telelecture from INSPIRE 2011 conference in Edinburg
11:30 12:00 Environmental statistics collection at the CZSO: Past Development and Future Trends

12:00 14:00 **Lunch**

Parallel sessions 14:00 - 16:00

Hall A, 14:00-16:00, Open Government, chairperson Ondřej Felix

14:00 14:30 How to Use Cloud Open Data for eEnvironment

14:30 15:00 eGovernment in the Czech Republic

15:00 15:20 OGD2011 – requirements analysis for an open data strategy (in Austria)

15:20 15:40 GINA (Geographical Information Assistant) Fresh Wind in Environmental Mapping

15:40 16:00 The National Secretariat GEOSS/GMES - Implementation of GEOSS and GMES in the

Hall B, 14:00-16:00, Climate Services and ICT Tools for Environmental Urban Planning I, chairp

14:00 14:20 Short-term rainfall : observations, characteristics, visualisation and future changes,

14:20 14:40 Integrating Climate Change in the Urban Planning Process A Case Study for the City of

14:40 15:00 SUDPLAN's experiences with the OGC-based model web services for the Climate Chan

15:00 15:20 Web services for incorporation of air quality and climate change in long-term urban

15:20 15:40 E-HypeWeb: Service for Water and Climate information - and Future Hydrological

15:40 16:00 Decision-support System for Urban Air Pollution under Future Climate Conditions,

16:00 16:30 **Coffee break**

Parallel sessions 16:30 - 18:30

Hall A, 16:30 - 18:30, Digital Earth, chairperson Milan Konečný

16:30 16:40 Opening speech

16:40 16:50 The role of scientific and technical data for disaster preparedness, mitigation, and action

16:50 17:10 Geospatial virtual appliances using open source software

17:10 17:30 Flood management and geoinformation support within the emergency cycle (EU Examp

17:30 17:50 The Capturing of the Uncertainty by Geographical IT for Decision Support for Selected A

17:50 18:10 Can Volunteered Geographic Information be a participant in eEnvironment and Spatial I

18:10 18:30 3D modelling as a tool for landscape restoration and analysis

Hall B, 16:30 - 18:30, Climate Services and ICT Tools for Environmental Urban Planning, chairp

16:30 16:50 Going public with advanced simulations,

16:50 17:10 Using a Commercial Optimisation Tool for Fine Tuning of Parameters of an Eutrophicati

17:10 17:30 Modelling micro-climate characteristics for urban planning and building design,

17:30 17:50 Towards User Requirements for an Information System of the Integrated Rhine Program

17:50 18:10 The Lake Winnipeg Basin Initiative Information Portal with Integrated Modelling,

18:10 18:30 New methods of flash flood forecasting in the Czech Republic,

View roof of Campus, from 19:00, Chairpersons Jiří Hřebíček, Ivan Holoubek, Ladislav Dušek

19:00 21:00 **Welcome Party**

Tuesday 28/6/2011

Parallel sessions 9:00 - 10:30

Hall A, 9:00 - 10:30, Information Tools for Global Environmental Assessment I, Chairperson Jiří Čížek

9:00 9:30 CETOCOEN project: From the laboratory to the field and beyond
9:30 10:00 GENASIS Information System: a Global Environmental Assessment of Persistent
10:00 10:30 Conceptual model enhancing accessibility of data from cancer-related environmental risks

Hall B, 9:00 - 10:30, Workshop TaTool, Chairperson Gerald Schimak

9:00 9:10 Introduction to workshop
9:10 9:30 Towards a Semantically Unified Environmental Information Space
9:30 9:50 A Model for Semantic Annotation of Environmental Resources: The TaToo Semantic Framework
9:50 10:10 An Architecture to Semantically Enhance Annotation and Discovery of Environmental Resources
10:10 10:30 Semantics Annotations of Ontology for Scenario: Anthropogenic Impact and Climate Change

10:30 11:00 **Coffee break**

Parallel sessions 11:00 - 13:00

Hall A, 11:00 - 13:00, Information Tools for Global Environmental Assessment II, Chairperson Jiří Čížek

11:00 11:20 Global environmental assessment requires global functional searching engines: robust and efficient
11:20 11:40 Is on-line data analysis safe? Pitfalls stemming from automated processing of
11:40 12:00 Spatial Soil Modeling of Organochlorine Pesticides, their Pools and Volatilization Fluxes
12:00 12:20 Temporal changes in biological communities affecting models for evaluation of ecological
12:20 12:40 Best Practice Network GS SOIL promoting access to European, interoperable and INSPIRE
12:20 12:40 Methodology for the efficiency evaluation of the municipal environmental protection experts

Hall B, 11:00-13:00, Semantics and Environment, Chairperson Andrea Rizzoli

11:00 11:20 Environmental semantic web applications made easy with Drupal
11:20 11:40 Using Semantic Search as a Means of Support for Research Projects
11:40 12:00 User-friendly Access to Structured Environmental Data
12:00 12:20 Leveraging Ontologies for Environmental Information Systems
12:20 12:40 Learning beyond text: The role of numerical data to environmental ontology learning,
12:40 13:00 Semantic Wiki in Environmental Project Management

13:00 14:00 **Lunch**

Parallel sessions 14:00 - 16:00

Hall A, 14:00 - 16:00, Environmental Information Systems and Services - Infrastructures and Platforms

14:00 14:20 BIS – An Environmental Information System for Integrated Landscape Management,
14:20 14:40 ENVISION - Environmental Services Infrastructure with Ontologies,
14:40 15:00 Open Environmental Platforms: Their Top-Level Components and Relevant Standards,
15:00 15:20 GENESIS, a flexible solution for building networks of collaborative environmental services
15:20 15:40 Architecture of a pan-European framework for Integrated Soil Water Erosion Assessment
15:40 16:00 data.reegle.info – A New Key Portal for Open Energy Data

Hall B, 14:00 - 16:00, Semantics and Environment, Chairperson Denis Havlik

14:00 14:20 Climate Twins v3 – a tool for interactive comparative analysis of region pairs matching criteria
14:20 14:40 Knowledge-based service architecture for multi-risk environmental decision support
14:40 15:00 Vision and Requirements of scenario-driven Environmental Decision Support Systems
15:00 15:20 Modeling heterogeneous experts' preference ratings for environmental impact
15:20 15:40 Autocalibration of Environmental Process Models using a Probably Approximately Correct
15:40 16:00 Design of Web Services for Accessing Free Hydrological Data from the Czech Republic

16:00 16:30 **Coffee break**

Parallel sessions 16:30 - 18:30

Hall A, 16:30 - 18:30, Environmental Information Systems and Services - Infrastructures and Platforms

16:30 16:50 An Environmental Decision Support System for Water Issues in the Oil Industry,
16:50 17:10 CryoLand – GMES Service Snow and Land Ice – Interoperability, Service Integration
17:10 17:30 Defining a modeling client software for distributed integrated modeling,
17:30 17:50 The European Earth observation programme GMES,
17:50 18:10 Process Methodology for Emergency Management,
18:10 18:30 Envimat.cz - Online Database of Environmental Profiles of Building Materials and Products

Hall B, 16:30 - 17:30, Round Table discussion TaToo, Chairperson Gerald Schimak

16:30 17:30 **Participants:** Ladislav Dusek, Ivan Holoubek, Jan Muzik, Andrea Emilio Rizzoli, Tomáš

Hall B, 17:30 - 18:30, Open workshop GMES and SEIS, Chairperson tbd

17:30 18:30 **Participants:** Ondrej Mirovsky, Jaromír Adamuška, Simona Losmanová, Gerhard Trieb

19:00 22:00 **Conference social evening and dinner**

19:00 19:30 **Transport to restaurant Stara posta**

Invitation at restaurant Stara posta

20:20 20:30 **Best Papers Award** nominated from session convenors

20:30 22:30 Dinner

22:30 23:00 **Transport to Brno**

Wednesday 29/6/2011**Parallel sessions 9:00 - 11:00****Hall A, 9:00-11.00, eEnvironment and Cross-border Services in Digital Agenda for Europe, chair**

9:00 9:30 eEnvironment : Reality and Challenges for eEnvironment Implementation in Europe,

9:30 10:00 Scientific cloud computing for eEnvironment

10:00 10:20 Environmental Information Systems on the Internet - A Need for Change,

10:20 10:40 How to Analyse User Requirements for Service-Oriented Environmental Information Sys

10:40 11:00 Building an Environmental Information System for Personalized Content Delivery,

Hall B, 9:00-11.00, Environmental Information Systems and Services - Infrastructures and Platf

9:00 9:20 Using negotiation for dynamic composition of services in multi-organizational

9:20 9:40 A Concept of a Virtual Research Environment for Long-Term Ecological Projects,

9:40 10:00 Polyvariant crop simulation model registrator,

10:00 10:20 Towards a Universal Search in Environmental Information Systems

10:20 10:40 SISE semantics interpretation concept

10:40 11:00 Corporate Sustainability Reporting and Measuring Corporate Performance

11:00 11:30 **Coffee break**

Plenary common session 11:30 - 12:30**Hall A, from 11:30, Plenary IFIP WG 5.11 meeting, Chairperson David Swayne**

11:30 12:00 Report about activities WG 5.11 from 2007-2011 and election of new nominated leaders

12:00 12:30 **Closing Session**

al of Masaryk University

Anthony Jakeman, Australian National University, iCAM Centre, director

Alessandro Annoni, European Commission, Joint Research Centre, head of the Spatial Data Infras
Iva Ritschelová, Czech Statistical Office, Chairwoman

Zdeněk Jiříček, Industry Solutions Director – eGovernment Infrastructure, Microsoft Worldwide Publ

Ondřej Felix, Ministry of the Interior of the
Czech Republic, eGovernment chief architect

Martin Kaltenböck

Zbyněk Poulíček, Boris Procházka, Petra

Jaromír Adamuška, Simona Losmanová,

erson Lars Gidhagen

Jonas Olsson, Lars Gidhagen, Akira Kawamura,

Stefan Sander, Holger Hoppe, Sascha Schlobinski

Peter Kutschera, Mihai Bartha, Denis Havlik,

Magnuz Engardt, Christer Johansson, Lars

Berit Arheimer, **Patrik Wallman**, Chantal

Steen Solvang Jensen, Matthias Ketznel,

Milan Konecny

Horst Kremers

Christian Schwartze, Sven Kralisch, Wolfgang-Albert Flügel

Petr Kubicek, Eva Mulickova, Milan Konecny, Miroslav Kolar, Jitka Kucerova,

Jitka Machalová

Peter Mooney, Pdraig Corcoran

Jan Pacina, Kamil Novák, Lukáš Weiss

erson Ralf Denzer

Niclas Hjerdt, Berit Arheimer,

Albrecht Gnauck, **Bernhard Luther**, Wilfried Krug,

Wolfgang Loibl, Tanja Tötzer, Mario Köstl, Johann Züger, Markus Knoflacher,

Thomas Usländer, Rainer Junker, Ulrike Pfarr

Isaac W. Wong, William G. Booty, Sarah Hall,

Lucie Březková, Milan Šálek, Petr Novák, Hana Kyznarová, Martin Jonov,

Jiří Hřebíček

Jana Klanova et al.
Ivan Holoubek et al.
Ladislav Dušek et al.

Gerald Schimak

Sasa Nesic, Andrea Emilio Rizzoli, Ioannis Athanassiadis,
Tomás Pariente Lobo, José María Fuentes López, María Angeles Sanguino González, Sinan Yurts,
Pascal Dihé, Luca Petronzio, Reiner Güttler, Sascha Schlobinski, Ralf Denzer, Sasa Nesic, Tomás
Miroslav Kubasek, Jiri Hrebicek, Jiri Kalina,

Ladislav Dušek

Miroslav Kubásek et al.
Jiří Jarkovský, Ladislav Dušek, Eva
Klara Komprdova, Jiri Komprda, Milan
Simona Littnerová, Jiří Jarkovský
Katharina Feiden, Fred Kruse, Tomas Reznik, Herbert Schentz, Einar Eberhardt, Rainer Baritz,
Jana Soukopová, Michal Struk

Denis Havlik

Michael Stencl, Oldrich Trezn, Ondrej
Andreas Abecker, Ulrich Bügel, Wassili Kazakos, Gabor Nagypal, Aleksei Valikov
Ulrich Bügel, Martin Schmieder, Boris
Markus Stocker, Mauno Rönkkö, Mikko
Tomáš Gregar, Tomáš Pitner, Jakub Talaš

Platforms, chairperson Arne Berre

Franziska Zander, Sven Kralisch, Wolfgang-
Patrick Maue, Dumitru Roman
Dumitru Roman, Sven Schade, Arne Berre,
Stephane Bonnot, Thomas Holzer-Popp, Marc Erlich, Thomas Everding, Marc Gilles
Daniele de Rigo, Claudio Bosco,
Florian Bauer, Denise Recheis, Martin Kaltenböck

Jan Peters-Anders, Joachim Ungar, Wolfgang Loibl

Stuart Middleton, Zoheir Sabeur,
Sascha Schlobinski, Ralf Denzer, Thorsten
Ivan Vrana, Shady Aly,
David Swayne, Markiyany Sloboda,
Jiri Kadlec, Daniel Ames

Platforms, chairperson Arne Berre

Ralf Denzer, Franklin Torres, Thorsten Hell,
Gerhard Triebnig, Andrei Diamandi, Richard
Ari Jolma, Kostas Karatzas
Ondřej Mirovský
Tomáš Ludík, Jaroslav Ráček
Antonin Lupisek, Julie Hodkova, Stepan

Pariente Lobo, Marcello Donatelli, Giuseppe Avellino

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person Werner Pillman

Jiri Hrebicek

Ludek Matyska

Sven Schade, Barbara Fogarty, Michael Kobernus, Katharina Schleidt, Paul Gaughan, Paolo Mazze

Thomas Usländer, Thomas Batz

Leo Wanner, Sara Tonelli, **Stefanos Vrochidis**, Jürgen Moßgraber, Harald Bosch, Ari Karppinen, N

orms, Chairperson Arne Berre

Costin Badica, **Sorin Ilie**, Gregor Pavlin,

Mirko Filetti, Albrecht Gnauck,

Sergey Medvedev, Alexander Topaj,

Thorsten Schlachter, Clemens Döpmeier,

Karel Kisza, Jiri Hrebicek,

Zuzana Chvatalová, Alena Kocmanová, **Marie Dočekalová**

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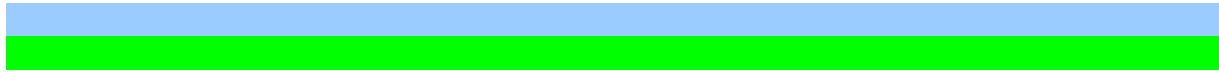


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maria Myllynen, Marco Rospocher, Nadjet Bouayad-Agha, Ulrich Brügel, Gerard Casamayor, Thomas Er

[Redacted]



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Lucio Saggion, Luciano Serafini, Virpi Tarvainen, Thomas Usländer

