International Congress on Environmental Modelling & Software (iEMSs 2008)

Integrating Sciences and Information Technology for Environmental Assessment and Decision Making

SCOPE AND AIMS

BARCELONA, CATALONIA, JULY 6-10, 2008

The aim of the congress is to enhance environmental processes by means of fostering the discussion and interchange of challenges, solutions, ideas, new methods and techniques, and future research lines in environmental modelling & software. The congress joins together several interest groups working in different but complementary features and/or scientific fields in Environmental Modelling, Assessment, Decision Making and Information Technologies. This time, the focus will be stressed on *Integrating Sciences and Information Technology for Environmental Assessment and Decision Making.*

SESSIONS AND WORKSHOPS

S1: Data and sensor networks and environmental modelling (linked with W1)
S2: Environmental Fluid Mechanics
S3: ICTs, Economic Development and the Knowledge Economy
S4: Intelligent Environmental Decision Support Systems (related with W4)
S5: Monitoring strategies and spatial distribution of processes in models for natural resources management on different scales - vision and reality
S6: Integrated Catchment Management: How can modelling tools and techniques help? (rel. with W6)
S7: Community modeling, data and model interoperability (linked with W7)
S8: Integrated modelling of the land system (related with W8)
S10: Participatory and Conceptual Modelling – Making Models Amenable to Stakeholders' Concerns (linked with W10)
S11: Bridging the gaps between design and use: evaluating decision and information support tools (linked with W11)
S12: Routine checks of model consistency: methodology and information technologies
S13: OpenMI applications and innovations (linked with W13)
S14: Environmental modeling applications towards quality of life information services
S15: Renewable resources use for energy production
S16: Modelling and Support tools for management and treatment of the integrated wastewater system (related with W6)
S17: Modelling & simulation of dangerous phenomena for hazard mapping and mitigation (related with W12)
S18: Environmental Informatics: History and Current Trends
S19: Interaction Design for Environmental Information Systems
S20: Data Mining as a Tool for Environmental Scientists (linked to W4 and related to S4)

W1: Creating robust sensor networks- architecture and infrastructure(linked with S1)
W2: Evaluating the impact of data and associated uncertainty on hydrological model predictions
W3: Simulation of environmentally relevant behaviour with Agent Based Modelling: From real systems to conceptual models
W4: Data Mining as a Tool for Environmental Scientists (related with S4)
W5: Qualitative models for Sustainability
W6: Integrated solution support systems for water management (related with S6, S16)
W7: Community modeling, data and model interoperability (linked with S7)
W8: Actors and factors - bridging social science findings and urban land use change modeling (related with S8, S9)
W9: Towards a methodology for multidisciplinary environmental science
W10: Participatory and Conceptual Modelling - Making Models Amenable to Stakeholders' Concerns (linked with S10)
W11: Bridging the gaps between design and use: evaluating decision and information support tools (linked with S11)
W12: ICT Tools For Environmental And Human Risk Assessment (related with S17)
W13: Taking the OpenMI forward (linked with S13)

CALL FOR PAPERS

SESSIONS

ABSTRACT SUBMISSION

JANUARY 11, 2008

FULL PAPER SUBMISSION

FEBRUARY 15, 2008

WORKSHOPS

POSITION PAPER SUBMISSION

JANUARY 11, 2008

ABSTRACT SUBMISSION

JANUARY 27, 2008

ORGANIZED BY:

International Environmental Modelling & Software Society

iEMSS

HOSTED BY:

KEMLG   UPC

Knowledge Engineering and Machine Learning Group
UNIVERSITAT POLITÈCNICA DE CATALUNYA

UdG lequia
Laboratori d'Enginyeria Química i Ambiental

http://www.iemss.org/iemss2008

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