

Venice Workshop on Web-Based delivery of Integrated Environmental Modelling

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With many agencies operating in a geographically dispersed network of distributed individuals and groups, it becomes necessary to investigate all aspects of the potential of the operation of research and administrative networks using the World-Wide Web as an electronic backbone.

Distributed cooperation on integrated modelling is an excellent candidate for such integration. With agricultural, transportation, environmental and civic administrations sharing their data and models, it is sensible to also distribute the execution of these models. This would include the sourcing of the input data, sharing in the processing over several servers, and the redistribution of model results.

This special workshop, held in conjunction with ISESS2009 would bring together industry, government and private sector groups to discuss their successes and challenges in distributed integrative modelling, from managing water levels and water quality to simulating environmental impact of actors in various sectors of regional, national and international economies. Such initiatives as OpenMI, the many web services, and the impact of metadata servers in ensuring accuracy and robustness on one hand, while avoiding the pitfalls inherent in cooperation-at-a-distance on the other hand, should feature in this session. Costing models designed to ensure the long-term viability of cooperators in distributed ventures may also be discussed.

Participants in this workshop are encouraged to submit a paper to ISESS 2009 through the regular channels, specifying that they wish to have their paper presented at this workshop. Accepted papers will be published in a separate section of the Proceedings. In addition to having the articles appearing in the ISESS Proceedings, authors of selected papers will be invited to submit an enlarged, revised version of their paper to the Workshop organizer, for inclusion in a separate monograph, whose form will be partially determined by the breadth of the available material.