

Format abstracts of oral presentations

Ecological informatics applications in water management: state-of-the-art

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Ecological Informatics is defined as an interdisciplinary framework promoting the use of advanced computational technology for the elucidation of principles of information processing at and between all levels of complexity of ecosystems, and aiding transparent decision-making in relation to important issues in ecology such as sustainability, biodiversity and global warming (Recknagel, 2002, <http://www.waite.adelaide.edu.au/ISEI/>). Ecological informatics is becoming in particular important in relation to water management. The implementation of the European Water Framework Directive for example entails high needs on a reliable data and information management as well as modelling tools to support decision making on the restoration of water systems all over Europe.

During this presentations, an analysis will be made of the contemporary strengths, weaknesses, opportunities and threats (SWOT-analysis) of the application of ecological informatics in water management.