

Section 1: Informational support for water management

The session focuses on computer technology, sensing and monitoring of water (both quantity and quality) as informational support for water managers. The future is predicted by using models or scenarios (e.g. climate change), and a range of models is nowadays available to predict situations or to evaluate scenarios and effects of water management choices. The session presents several examples. In addition, relations between informational support and human decision making should be discussed.

Section 2: Social, environmental and economic factors related to water management

This session focuses on several factors that influence water management and its context. Examples are land use planning, water management plans, policy development, water infrastructure. The session offers a range of examples of (emerging) issues in the context of changing water management – and climate - conditions.

Section 3: Practical examples of water management under extreme conditions

This session's focus is on practical examples of water management under extreme conditions. Policy makers, researchers and water managers continuously work on developing new concepts or tools that are required to improve and adapt water management to future expectations. Water management plans and hydropower operation plans are just a few examples. The session highlights newly developed measures and best practices, which will both be liable to discussion.

Section 4: Securing water – responses to future developments

This session discusses, and gives a 'preview' of, future water management as an effective response to expected development regarding climate change and extreme events. An important issue is how to achieve water security for all stakeholders in the future. Also processes, such as rapid urbanization and the expansion of mega cities, that influence water management, will be put forward.