



The 7th International Conference on Water Resources and Environment Research (ICWRER2016), Kyoto TERRSA, Kyoto, Japan, June 5-9, 2016.

Special Session SD06 on Isotope hydrology

Session Description:

Isotopes of hydrogen and oxygen, nitrates and carbon are powerful and unique tools for understanding the hydrological cycle, pollution processes and paleoclimate. This includes acting as recorders of past climate change, tracers of hydrologic sources and sinks, and indicators of physical processes in the atmosphere and biosphere. New techniques that allow for the observation of water and other isotopes at high temporal frequency and large spatial scales, combined with new theoretical and modeling capabilities, allow for a wide array of new research possibilities. The purpose of the session is to review the present state of knowledge of isotope hydrology, by bringing together hydrologists, geologists, volcanologists, geochemists and so on, to exchange current ideas and information.

This session welcomes any paper that focuses on the measurement, modeling, or application of these water and other isotopes to better understand past and modern climate and hydrology.

Targeted audience

The session is aimed at professionals involved in a broad spectrum of disciplines, including: water resources management, processes in the hydrosphere and atmosphere, climate change and its impact on the water cycle, environmental modelling, protection of the environment, geographical information systems, emergency response, and the development of isotopic techniques and tools. Government officials, including policymakers and individuals responsible for the assessment of environmental programmes, would also benefit from attending the session.

The deadline for the abstract submission: 30 November 2015

<http://wrrc.dpri.kyoto-u.ac.jp/icwrer2016/#sec7>