

Exhibition

A limited amount of space will be available for commercial vendors' displays/exhibits during the symposium. Interested parties should contact the Scientific Secretary by email to Isotope-Hydrology-Symposium-2015@iaea.org before 31 October 2014.

Symposium Secretariat

Scientific matters and paper submission

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Isotope-Hydrology-Symposium-2015@iaea.org

Participation, grants and administrative matters

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Symposium Web Page

Please visit the IAEA symposium web page regularly for new information regarding this symposium:

<http://www-pub.iaea.org/iaeameetings/2015>

Please include reference number IAEA-CN-225 in all communications



Isotope Hydrology

Revisiting Foundations and Exploring Frontiers

International Atomic Energy Agency
P.O. Box 100
Vienna International Centre
1400 Vienna, Austria

ORGANIZED BY
THE INTERNATIONAL ATOMIC
ENERGY AGENCY



IAEA
International Atomic Energy Agency
Atoms for Peace

Vienna, Austria
11–15 May 2015



Water
Resources
Programme

IAEA-CN-225

Background and Objectives

The International Atomic Energy Agency (IAEA) has convened quadrennial symposia in isotope hydrology since 1963. For more than 50 years, the IAEA symposia have provided a unique opportunity to review the state-of-the-science, practical applications, and research trends and needs in isotope hydrology, leading to its recognition as a discipline of hydrological sciences in its own right.

The 14th IAEA symposium in this series will aim to facilitate the exchange of information and knowledge among water and environment professionals from developed and developing countries.

The objectives of the symposium are to: (a) review and revisit the foundational principles of isotope hydrology in light of current state of knowledge; (b) review recent developments in analytical instrumentation and applications of isotopes in water and climate studies; and (c) identify research, analytical and training requirements for a wider use of isotope hydrology.

Topics

- Isotopes in hydrosphere–atmosphere interactions and palaeoclimate reconstruction;
- Groundwater dating and palaeohydrology;
- Water balance and hydrological processes;
- How laser spectroscopy is transforming isotope research;
- New approaches and tools in isotope science;
- Water scarcity, water quality, food security, climate change, and energy resources.

Papers and Posters

Contributions on the topics listed above covering isotope applications relevant to water resources management and climate studies are welcome as oral or poster presentations. All papers submitted — other than invited keynote papers — must present original work and should not have been published elsewhere. Poster sessions will be used to promote greater interactions among symposium participants. A Book of Synopses of the accepted contributions will be distributed to all participants at the opening of the symposium.

IMPORTANT: The system for electronic submission of synopses, IAEA-INDICO, is the sole mechanism for submission of the synopses. Authors are encouraged to submit the synopses as early as possible.

Structure

A series of **plenary sessions** will address the topics mentioned above, and will include invited keynote speakers, oral presentations and panel discussions. **Poster sessions** will be organized allowing ample time for discussion and interaction with colleagues. **A final roundtable session** will review the main conclusions drawn in the plenary sessions and will summarize recommendations for the future development of the discipline. It is being considered to organize **a field trip** highlighting the geology and hydrogeology of the Vienna Basin.

Audience

The symposium 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, 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 symposium.

Key Deadlines

Submission of synopsis (including Forms A and B): **31 October 2014**

Submission of Grant Applications (Forms A and C): **31 October 2014**

Notification of acceptance of synopsis: **16 January 2015**

Registration and Funds

No registration fee is charged to participants.

Limited funds are available to assist certain participants. Approved grants will usually cover only part of the cost of attendance. Please see the symposium web page for details how to register.

Language

The working language of the symposium will be English.