



Training Course on Conceptual Models for Water Resource Management Using Isotope Hydrology and Hydrochemistry: Part 1

**IAEA Headquarters
Vienna, Austria**

7 - 11 April 2025

Ref. No.: EVT2404634

Information Sheet

Introduction

The course is open to 15 to 20 participants. In the selection of nominated participants priority will be given to technical and scientific staff involved in planning and implementing hydro(geo)logical research and/or projects related to water resources assessment and management involving the use of isotope hydrology tools and approaches.

Objectives

The purpose of the course is to provide a) comprehensive review of the development of conceptual models used to direct water resources management using isotope hydrology data, and b) training on the development and testing of sound conceptual models for water resource management decision making / policy revision for case studies in the counterpart countries.

The training course will comprise lectures and case studies covering theoretical concepts on hydrogeology (geology and groundwater hydraulics), geography and geomorphology, conceptualization of GIS and remote sensing information, surface water / groundwater interactions, impacts of water-rock interactions on water quality interpretation, and how isotope hydrology can be used to refine and focus the conceptual (and ultimate mathematical modelling) of water resources for conjunctive management decision making.

Target Audience

Participants should have a university degree with a technical/scientific profile that attests to their experience with the use of hydrological, hydrogeological or hydrochemical techniques, and/or their involvement in water resources assessment and/or management. They should preferably have a good understanding of water-related/hydrogeological issues.

As the course will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in this language without difficulty.

In the case of countries in which English is not an official or customary language, nominations must be accompanied by a separate certificate attesting to the candidate's proficiency in English. This certificate must be issued by a language school or cultural institution, or by the embassy of a country in which English is spoken.

Working Language(s)

English

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **16 January 2025**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under 'Complete Profile' and upload the relevant supporting documents;
 - Search for the relevant event under the 'My Eligible Events' tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled 'Designating Authority' (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
 - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the

application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the [Data Processing Notice](#) concerning the IAEA InTouch+ platform.

Organization

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.