



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on Advances and Innovations in the Exploration and Mining of Sandstone Uranium Deposits

Hosted by the

Government of Uzbekistan

through the

Ministry of Mining Industry and Geology of the Republic of Uzbekistan

Navoi, Uzbekistan

13 - 17 October 2025

Ref. No.: EVT2303953

Information Sheet

Introduction

Sandstone uranium deposits are one of the most important deposit types both in terms of world uranium resources and production. Since 2009 the world's largest share of uranium production has come from uranium-bearing sandstone deposits. These deposits have proven to be one of the most economically viable uranium-bearing deposit types. According to the latest Red Book 2024 report, sandstone-type uranium deposits comprise approximately 54% of the world's total identified (reasonably assured and inferred) uranium resource base and are in the lower costs of production categories (i.e. <USD80/kgU and <USD40/kgU). This deposit type is geographically widespread and occurs in at least 51 countries according to the IAEA World Distribution of Uranium Deposits (UDEPO) database. Additionally, the majority of these deposit types are currently mined using the In-Situ Recovery (ISR) method which is considered one of the lowest risk mining methods from a long-term environmental liability perspective. This aspect is partially responsible for the increased contribution to global uranium production in this deposit type over the last two decades and since 2015 ISR mining has accounted for greater than 50% of world annual uranium production.

Uzbekistan will host this Technical Meeting (TM) through the IAEA as it is currently the second largest producer of uranium from sandstone deposits and is in a suitable position to provide participants in the TM with the opportunity to visit world-class uranium exploration and ISR mining facilities. The Technical Meeting will feature invited experts that will share information on uranium exploration and ISR mining based on the draft of an IAEA Technical Document entitled "Sandstone Uranium Deposits". A limited number of additional papers will be accepted as oral presentations to support the topic.

Participants should have a degree in geosciences or engineering and some practical experience in mineral exploration and/or mining.

Objectives

To share and exchange information on recent developments in exploration methods and production and processing methodologies for sandstone uranium deposits. This will be accomplished through expert led sessions and discussions based on the draft of an IAEA technical document entitled, “Sandstone Uranium Deposits”, a field site visit to mining operations and/or geological sample repositories, and solicitation of papers to be presented on one or more topics (refer to topics section).

Target Audience

The event is not a training meeting. The targeted audience includes geoscientists and geological, mining and metallurgical engineers from geological surveys, private industry, universities and research institutions, and natural resource authorities of Member States that are engaged in exploration, teaching, or research in sandstone uranium deposits.

Working Languages

English with limited translation in Uzbek or Russian.

Structure

- 1) IAEA expert led presentations summarizing contents of a draft IAEA technical document entitled, “Sandstone Uranium Deposits”.
- 2) IAEA expert led discussions and review of the aforementioned draft IAEA technical document.
- 3) Presentations by nominated local and international participants on select topics (see topics section).
- 4) Field site visit to ISR uranium mining operations and exploration field and associated facilities.
- 5) Viewing of geological samples, core or drill cuttings at the field site.

Topics

Main Topics:

- 1) Advances and innovations in uranium exploration methods (i.e., geochemical techniques, geophysical techniques, remote sensing, other) for sandstone-type uranium deposits.
- 2) Advances and innovations in ISR mining and conventional mining and processing methods for sandstone-type uranium deposits.

Sub-topics:

- Geochemistry and mineralogy of deposits
- Depositional settings including for example tectono/sedimentary setting of deposits
- Recent discoveries: deposits and districts
- Resource and reserve estimation for ISR deposits
- Novel techniques or improvements for ore processing and mining
- Hydrogeological aspects e.g., fluid flow modelling, reactive-transport modelling, thermodynamic modelling

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 June 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.

NOTE: The application for financial support should be made, together with the submission of the application, by **16 June 2025**.

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.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

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 IAEA InTouch+ platform.

Papers and Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above.

Participants who wish to give presentations are requested to submit **Form B** and an abstract of their work. The abstract will be reviewed as part of the selection process for presentations. The abstract should be in A4 page format and should not extend to more than 2 pages (including figures and tables). It should be sent electronically to Ms Adrienne Hanly, the Scientific Secretary of the event (see contact details below), not later than **16 June 2025**. Authors will be notified of the acceptance of their proposed presentations by **4 July 2025**.

In addition to the registration already submitted through the InTouch+ platform, participants have to submit the abstract, together with the Form for Submission of a Paper (Form B), to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA not later than **16 June 2025**.

Expenditures and Grants *(Note: this section is automatically generated for all event subtypes other than Consultancy Meeting and Agency Mission)*

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made, together with the submission of the application, by **16 June 2025**.

Venue

The event will be held in Navoi, Uzbekistan. The address of the venue will be shared with accepted participants in an official invitation letter to the TM. Participants must make their own travel, airport transportation and accommodation arrangements to and from the venue in Navoi. Travel arrangements for the one-day visit to the uranium production centre in the region will be organized by the event host.

Visas

Participants who require a visa to enter Uzbekistan should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of Uzbekistan.

Additional Information

Participants are advised to bring along suitable clothes for field conditions, i.e.: waterproof jacket or rainwear in case of inclement weather during the site visit. Sun protection (hats, sunglasses and protective clothing or cream) is also recommended. Participants will be requested to provide, in advance, a copy of their passport information for safety and security reasons for the mine facilities visit.

IAEA Contacts

Scientific Secretary:

Ms Adrienne Hanly

Division of Nuclear Fuel Cycle and Waste
Technology

Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre

PO Box 100
1400 VIENNA

AUSTRIA

Tel.: +43 1 2600 26353

Fax: +43 1 26007

Email: A.Hanly@iaea.org

Administrative Secretary:

Ms Karron Robinson-Onorati

Division of Nuclear Fuel Cycle and Waste
Technology

Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre

PO Box 100
1400 VIENNA

AUSTRIA

Tel.: +43-1-2600-22885

Fax: +43 1 26007

Email: k.robinson-onorati@iaea.org

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

Event Web Page

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

<https://www.iaea.org/events/EVT2303953>

Enclosure: Form for Submission of a Paper (Form B)