



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Workshop on Technological Readiness for the IAEA CRP on Deep Borehole Disposal Options

IAEA Headquarters, Vienna, Austria
: and virtual participation via Cisco Webex

4–8 November 2024

Ref. No.: EVT2304431

Information Sheet

Introduction

The IAEA has launched a four-year Coordinated Research Project (CRP) to progress the international scientific and technical basis of the deep borehole disposal concept.

The expected CRP outcomes are:

- to enhance the international knowledge basis available on Deep Borehole Disposal (DBD);
- to support Member States strategic decision on whether to pursue DBD as part of their national disposal programme; and
- to support preparatory work for one (or two) DBD field demonstrator(s).

This will provide Member States with a comprehensive understanding of the present global state of art knowledge on DBD concepts and provide a basis on whether and how to pursue further national R&D studies towards implementing such a disposal concept.

Objectives

The purpose of the event is to establish a systematic method for assessing technological readiness towards deep borehole disposal and to further focus Research, Development and Demonstration (RD&D) to be conducted.

The objectives of the event are to launch developments:

- to establish a system breakdown structure for deep borehole disposal concepts;
- to share and discuss a first iteration of a systems engineering approach intended to structure and assign functional requirements as well as generic draft specifications to the system and its components;
- to inform these requirements and specifications by the gap analysis resulting from the current available generic safety assessments, design development, environmental impact assessment and communication with stakeholders;
- to develop a generic technological readiness level assessment; and
- to associate ongoing and proposed RD&D efforts with either of the needs identified by the gap analysis or by the TRL analysis and to discuss to what extent identified gaps can be reduced or TRLs improved and how RD&D could help in this process.

Target Audience

The target audience for this event are the participants of the IAEA CRP T22003 with a specific interest in developing a methodological approach to assessing the relative technological and scientific maturity of the DBD concept and to structuring the RD&D needs accordingly.

Working Language(s)

The working language of the meeting will be English with no interpretation provided. All communications, abstracts and papers must be submitted in this language.

Expected Outputs

The following output is expected from the meeting:

1. A draft system breakdown structure for deep borehole disposal concepts assorted with a workplan to further detail and complement it, and

2. The current understanding of technological readiness levels for concept components, materials, construction processes and operations.
3. Linking ongoing and proposed RD&D to needs identified by gap analysis or TRL assessments.

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 **30 September 2024**, 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 **30 September 2024**.

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.

Expenditures and Grants

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 **30 September 2024**.

Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

www.iaea.org/events.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

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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.

Event Web Page

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

www.iaea.org/events/EVT2304431