



Technical Meeting on Gap Analysis of Environmental Technologies in Environmental Remediation

IAEA Headquarters, Vienna, Austria
and virtual participation via Microsoft Teams

13 - 17 October 2025

Ref. No.: EVT2404491

Information Sheet

Introduction

Effectiveness in lowering risk, applicability to contamination, cost, and local availability are factors that are important when choosing a remediation technique or technology, according to the IAEA NE-Series report NW-T-3.6 "Lessons Learnt from Environmental Remediation Programmes," which was published in 2014. To assist decision makers in applying this knowledge to upcoming projects, the publication compiled lessons learnt from the application of some of the technologies and methodologies frequently utilised in remediation programs. This publication also examined the pertinent experiences that had been acquired and connected them to the main engineering designs and tactics that were used.

While some problems still exist, new technologies and procedures have been created in the ten years since the above study was published. Other issues, such the necessity of resilient remediation methods because of the effects of climate change, have been recognised.

Some of the existing challenges include:

- the requirement for advanced sensors and technologies that can deliver real-time information on environmental conditions and pollutant levels;
- thorough data integration that can combine information from several sources (such as soil, water, and air) into a coherent monitoring system;
- limitations of the application of bioremediation due to environmental conditions and the specific contaminants present;
- need to develop and implement sustainable, green remediation technologies,
- due to site conditions and contaminant distribution variability, scaling up successful pilot projects to larger areas can be difficult;
- many advanced remediation technologies can be costly and not economically viable for large-scale applications;

- emerging remediation technologies lack standardised protocols and regulations, which can impede their adoption.

In addition to the above, integrating remediation efforts with community needs and ecosystem restoration is crucial but frequently disregarded and the improvement of the success and sustainability of remediation operations can be raised by means of public knowledge and participation.

Addressing these gaps requires a collaborative effort from scientists, policymakers, industry leaders, and communities. By focusing on these areas more effective and sustainable solutions for environmental remediation can be developed.

Objectives

The purpose of the event is to review the technologies used in environmental remediation, analyse their performance and identify gaps that may require innovative technologies and approaches in order to address remediation targets, improve cost effectiveness and enhance stakeholder acceptance.

Target Audience

Representatives of national and international organizations concerned with Environmental Remediation including:

- government officials with policy responsibility for Environmental Remediation and NORM Management;
- managers and members of regulatory authorities;
- managers and implementers of Environmental Remediation Projects and facility operators;
- managers and planners from Environmental Remediation organizations/projects;
- researchers from universities and research institutions;
- officials from concerned international organizations.

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 **8 August 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 a paper is being submitted and complete the relevant information;
 - 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 **8 August 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 in above Topics Section.

Participants who wish to give presentations are requested to submit 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, should extend to no more than 3 pages (including figures and tables) and should not exceed 500 words. It should be sent electronically to Mr Horst Richard S. Monken Fernandes, the Scientific Secretary of the event (see contact details below), not later than **8 August 2025**. Authors will be notified of the acceptance of their proposed presentations by **5 September 2025**.

Submission of a paper should be confirmed, together with the submission of the main application via the InTouch+ platform, by **8 August 2025**.

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 **8 August 2025**.

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:

<https://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/EVT2404491