



Atoms for Peace

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国際原子力機関

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energia Atómica

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The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and has the honour to draw their attention to the **Technical Meeting on Financing Schemes for Radioactive Waste Disposal Programmes** to be held at the IAEA's Headquarters in Vienna, Austria, from 22 to 26 May 2017.

The purpose of the meeting is to:

- Collect participants' feedback on the draft IAEA report on financing schemes for radioactive waste disposal programmes; and
- Gather and consolidate Member States' experiences related to mechanisms or schemes for the funding of disposal programmes.

The attached Information Sheet provides further details of the meeting.

The meeting will be held in English.

Member States are invited to designate one or more participants for this meeting. Member States are strongly encouraged to identify suitable women participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the meeting. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Such assistance may be offered upon specific request to normally one participant per country provided that, in the IAEA's view, the participant on whose behalf assistance is requested will make an important contribution to the meeting. The application for financial support should be made at the time of designating the participant.

It should be noted that compensation is not payable by the IAEA for any damage to or loss of personal property. The IAEA also does not provide health insurance coverage for participants in meetings, workshops or training courses or for consultants. Arrangements for private insurance coverage on an individual basis should therefore be made. The IAEA will, however, provide insurance coverage for accidents and illnesses that clearly result from any work performed for the IAEA.

Designations should be submitted through the established official channels not later than 31 March 2017 for the attention of the Scientific Secretary of the meeting, Mr Philippe Van Marcke, Division of Nuclear Fuel Cycle and Waste Technology, Department of Nuclear Energy, IAEA, Vienna International Centre, PO Box 100, 1400 Vienna, Austria (Tel.: +43 1 2600 22875; Fax: +43 1 26007; Email: P.Van-Marcke@iaea.org). Designations should also be copied to the Administrative Secretary for the meeting, Mr Shelby Thomas Elamkunnam (Email: S.T.Elamkunnam@iaea.org). The full names and complete contact details (including postal address, telephone/fax numbers, and email address) of designated participants should be provided.

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to assure the IAEA's Member States of its highest consideration.



2017-02-23

Enclosures: Information Sheet

Participation Form (Form A)

Grant Application Form (Form C)



Technical Meeting on Financing Schemes for Radioactive Waste Disposal Programmes

**IAEA Headquarters
Vienna, Austria**

22–26 May 2017

Ref. No.: 652-T2-TM-55678

Information Sheet

A. Background

Two fundamental prerequisites for the development and implementation of a sustainable radioactive waste disposal programme are the provision of realistic, time related cost information for the long term liabilities and the establishment of financing schemes that match these costs as they arise. The International Atomic Energy Agency (IAEA) is preparing a report on this topic to support Member States in developing cost estimates for all phases of a disposal programme (both geological and surface disposal) and in establishing the corresponding financing schemes.

During a consultancy meeting held in Vienna, Austria, in November 2015 a work breakdown structure (WBS) for a generic geological disposal programme was developed. The WBS lists the activities and items of a geological disposal programme and structures them in a logical way. Drawing up such a WBS is a necessary step in assessing the programme's cost as disposal programmes contain a very wide range of activities.

A December 2015 meeting of the International Low Level Waste Disposal Network (DISPONET), whose activities take place under the auspices of the IAEA, provided feedback on how the approach developed for a geological disposal programme can be used or extended to surface disposal programmes. The meeting concluded that there is no significant difference in the way surface and geological disposal programmes are developed and implemented and that both programmes can be broken down in a very similar way. It was, however, recognized that, although the types of activities in both programmes are similar, their extent and complexity can be very different for surface and geological disposal, leading to big differences in their costing.

The cost guidance developed at that stage concerned the cost estimation of a defined reference disposal programme. Such a reference programme will contain a list of unknowns for which certain assumptions need to be made. These assumptions will result in uncertainties in the cost estimate. In addition, risks are always present that can overturn the reference design and scenario. Such risks prominently exist in waste disposal programmes because these usually stretch over many years, and the conditions — political, societal, economic, scientific, etc. — will change over such long time periods.

A consultancy meeting held in Vienna, Austria, in November 2016 discussed approaches to take account of those uncertainties and risks in the cost estimate. Some disposal programmes apply contingency margins on the different costs of the programme while others have developed a probability approach, which leads to a probability-distributed cost spread instead of a point estimate.

Furthermore, the November 2016 consultancy meeting addressed how the cost estimate can be converted into the amount that is needed for funding the disposal programme. Schemes for funding the disposal programme were also discussed.

The work done so far has been compiled in a draft report with the provisional title *Costing Methods and Funding Schemes to Support Programme Planning for Radioactive Waste Disposal*.

B. Purpose

The purpose of the meeting is to:

- Collect participants' feedback on the draft IAEA report on financing schemes for radioactive waste disposal programmes; and
- Gather and consolidate Member States' experiences related to mechanisms or schemes for the funding of disposal programmes.

It is particularly aimed to exchange information on the following topics:

- How is the cost escalation taken account of, or how is the cost estimate discounted to determine the required amount of funding?
- How is the disposal programme funded: State budget, waste fund, etc.?
- How are fund contributions determined?
- Who manages the fund and what is the management like? How is the fund secured? Is there an investment strategy determined for the fund and are there any (regulatory) restrictions on the investment strategy?

In addition, meeting participants are invited to present examples of the proportion of estimated costs for specific aspects of a surface or geological disposal programme, such as the costs for:

- Stakeholder engagement, which can include societal participation in the disposal programme, incentives or benefits to local communities involved in the site selection process, media campaigns, visitor or communication centre, etc.;
- Licensing process or regulatory interactions;
- Site selection process;
- Site characterisation;
- Research, development and demonstration programmes (this might include constructing and operating an underground research facility); and
- Constructing, operating and closing the disposal facility.

Meeting participants are invited to give oral presentations addressing (a part of) these topics.

C. Expected Output

The expected outcome from the meeting consists of:

1. Member States' feedback on the above-mentioned draft report; and
2. An exchange among Member States on the ways that they fund their disposal programmes and/or specific examples of the cost of (parts of) their disposal programmes.

D. Working Language

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

E. Venue

The meeting will commence on Monday, 22 May 2017, in Vienna, Austria.

F. Visas

Participants who need a visa for entering Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria as early as possible.

G. Organization

Official correspondence with regard to the technical aspects of the meeting should be addressed to the Scientific Secretary:

Mr Philippe Van Marcke
Waste Technology Section
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 22875
Fax: +43 1 26007
Email: P.Van-Marcke@iaea.org

Official correspondence with regard to administrative issues should be addressed to the Administrative Secretary:

Mr Shelby Thomas Elamkunnam
Waste Technology Section
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 26492
Fax: +43 1 26007
Email: S.T.Elamkunnam@iaea.org

Participation Form

Technical Meeting on Financing Schemes for Radioactive Waste Disposal Programmes

IAEA Headquarters, Vienna, Austria

22–26 May 2017

This form should be completed by the participant electronically if possible (i.e. not by hand) and then sent to the competent official authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for subsequent transmission to the International Atomic Energy Agency (IAEA), Vienna International Centre, PO Box 100, 1400 Vienna, Austria, either electronically by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). (Kindly send also a copy per email to: P.VanMarcke@iaea.org and S.T.Elamkunnam@iaea.org).

Deadline for receipt by IAEA through official channels: 31 March 2017

The Government (designating authority) of _____ designates the person indicated below for the above-mentioned event.		
<input type="checkbox"/> Female <input type="checkbox"/> Male		Date of birth:
Family name (as in passport): _____		Place of birth:
First name: _____		Nationality:
Complete mailing address (office): _____		Passport No.:
Institution name: _____		Date of issue:
Street: _____		Place of issue:
PO Box: _____	Post code: _____	Valid until:
Town/City: _____		Telephone (office): _____
Region/District: _____		Telephone (home): _____
Country: _____		Fax: _____
Airport/town nearest to residence: _____		Email: _____
Main academic/technical qualification:		Web page: _____
Language ability: (The designating authority confirms that the participant is proficient in the language in which the event is to be held)		<input type="checkbox"/> Yes
Presentation of a paper:		
<input type="checkbox"/> Yes <input type="checkbox"/> No		
Title of the paper:		
An abstract of the paper is attached:		
<input type="checkbox"/> Yes <input type="checkbox"/> No		
Radiation surveillance		
Is the participant covered under a radiation surveillance programme?		
<input type="checkbox"/> Yes <input type="checkbox"/> No		
Financial support		
Please indicate if you are requesting financial support from the IAEA?		
<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date _____		Name and title (printed) and signature of designating authority official

Grant Application Form

Technical Meeting on Financing Schemes for Radioactive Waste Disposal Programmes

IAEA Headquarters, Vienna, Austria

22-26 May 2017

To be sent to the competent official authority (Ministry of Foreign Affairs or National Atomic Energy Authority) for transmission to the International Atomic Energy Agency, Vienna International Centre, PO Box 100, 1400 Vienna, Austria (Fax: +43 1 26007).

To be completed only by participants from developing countries on whose behalf a grant is requested

Deadline for receipt by IAEA through official channels: 31 March 2017

Full name:	Mr/Ms:
Postal address:	Phone:
	Fax:
	Email:
Date of birth (year/month/day):	Nationality:

1. EDUCATION (Post-secondary)

Name and place of institution	Field of study	Diploma or Degree	Years studied from to

2. RECENT EMPLOYMENT RECORD (Starting with your present post)

Name and place of employer/ organization	Title of your position	Type of work	Years worked from to

3. DESCRIPTION OF WORK performed over the last three years:

4. INSTITUTE'S/MEMBER STATE'S PROGRAMME IN FIELD OF MEETING

.....
Date

.....
Signature of applicant

.....
Date

.....
Name and title (printed) and signature of responsible Government official