



*Atoms for Peace and Development*

الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energía Atómica

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In reply please refer to: **EVT1904862**  
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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 Seismic Safety Evaluation** (hereinafter referred to as "event") to be held at the IAEA's Headquarters in Vienna, Austria, from **12 to 14 October 2020**.

The purpose of the event is to share information on the international state of practice and experience in conducting seismic safety evaluations for new and existing nuclear installations. The focus will be on sharing information on how to assess whether nuclear installations have sufficient seismic margins for avoiding cliff edge effects.

The attached Information Sheet provides further details of the event.

The event will be held in English.

Member States are invited to designate one or more participants to represent the Government at this event. 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 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 at the time of designating the participant(s) using the attached Grant Application Form (Form C).

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 IAEA events. 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 to the IAEA through the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) not later than **15 September 2020** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) or by fax to +43 1 26007 (no hard copies needed). Copies should be sent by email to the Scientific Secretary of the event, Mr Ovidiu Coman, Division of Nuclear Installation Safety, Department of Nuclear Safety and Security (Email: [O.Coman@iaea.org](mailto:O.Coman@iaea.org)), and to the Administrative Secretary, Ms Nadia Nammari (Email: [N.Nammari@iaea.org](mailto:N.Nammari@iaea.org)). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, including travel details, as appropriate, once official designations have been received.

Should Governments wish, in addition, to appoint one or more observers to assist and advise the designated participants, they are kindly requested to inform the IAEA of the names and contact details of any such observers by the above date. In accordance with the established rules, Governments are expected to bear the cost of attendance of any observers they may send to IAEA events. Compensation is not payable by the IAEA for any damage to or loss of observers' personal property or for illness, injury or death occurring while travelling to or in connection with their attendance at IAEA events.

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



2020-06-18

Enclosures:           Information Sheet  
                          Participation Form (Form A)  
                          Form for Submission of a Paper (Form B)  
                          Grant Application Form (Form C)



# **Technical Meeting on Seismic Safety Evaluation**

**IAEA Headquarters  
Vienna, Austria**

**12–14 October 2020**

**Ref. No.: EVT1904862**

## **Information Sheet**

### **Introduction**

Seismic safety evaluation programmes have been conducted for a large number of nuclear installations worldwide. IAEA developed several publications (some of them are now under revision) providing guidelines and technical basis for conducting or reviewing seismic safety evaluation (e.g. NS-G-2.13, Safety Report 28 and a series of TECDOCs). The current safety requirements for design and safety evaluation applicable to nuclear installations include provisions for demonstration that design provides sufficient margins against external hazards in order to avoid the cliff edge effects.

Recognizing the potential of severe earthquakes to cause multiple failures and to challenge safety systems, seismic robustness of the nuclear installations needs to be assessed from the perspective of independence and adequate seismic margins of different levels of Defence in Depth, considering specific seismic challenging mechanism such as common cause failures, including support systems (such as power supplies and control signals) causing multiple unavailabilities and challenging operator's recovery actions. Seismic hazard may challenge the whole site infrastructure and has the potential to cause concurrent damage to multiple nuclear installations located at the same site.

The ongoing revision of the IAEA relevant publications is aimed to develop guidelines and technical basis for defining the adequate margin against seismic hazards and supporting methods for evaluation of the seismic induced cliff edge effect. Such a technical basis will also be able to recommend adequate protection against seismic hazards that properly respond to the safety requirements mentioned above.

## Objectives

The purpose of the event is to share information on the international state of practice and experience in conducting seismic safety evaluations for new and existing nuclear installations. The focus will be on sharing information on how to assess whether nuclear installations have sufficient seismic margins for avoiding cliff edge effects.

Furthermore, the IAEA/NSNI is seeking feedback from Member States to be used for further improvements to the publications on this subject which are now under revision (such as NS-G-2.13 Seismic Safety Evaluation of Existing Nuclear Installations)

## Target Audience

Participation is solicited from nuclear safety and engineering professionals from nuclear installations design and operating organizations, regulatory bodies and technical support organizations, as well as consultants who are engaged in activities related to seismic safety evaluation. To ensure maximum effectiveness in the exchange of information, participants should be persons actively involved in the subject areas of the meeting.

The meeting is open to representatives of all Member States with an active nuclear programme, including those that are building their first nuclear power plant or expanding an existing nuclear power programme. Participants should be intimately familiar with the details of their country's national practice in relation to probabilistic risk assessment to support safety decisions.

## Working Language(s)

The working language of the meeting will be English. No simultaneous interpretation will be provided.

## Expected Outputs

The proceedings of the meeting will be made available in electronic format.

## Topics

The meeting will address the following topics:

- Revision of the IAEA Safety Standard on Seismic Re-evaluation of Nuclear Installations NS-G-2.13;
- Members States' experiences on seismic safety evaluation of nuclear installations; and
- Seismic challenges to sites with multiple nuclear power plants.

The plenary session of the meeting will open with a presentation on the IAEA/NSNI activities related to seismic safety evaluation followed by presentations given by selected keynote speakers and representatives of various countries and organizations on their experiences related to the above topics.

## 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, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent

Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **15 September 2020**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

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

Please note that the IAEA is in a transition phase to manage the entire registration process for all regular programme events electronically through the new InTouch+ (<https://intouchplus.iaea.org>) facility, which is the improved and expanded successor to the InTouch platform that has been used in recent years for the IAEA's technical cooperation events. Through InTouch+, prospective participants will be able to apply for events and submit all required documents online. National authorities will be able to use InTouch+ to review and approve these applications. Interested parties that would like to use this new facility should write to: [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

## Papers and Presentations

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

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 2 pages (including figures and tables) and should not exceed 2400 words. It should be sent electronically to Mr Ovidiu Coman, the Scientific Secretary of the event (see contact details in the IAEA Contacts Section), not later than **15 September 2020**. Authors will be notified of the acceptance of their proposed presentations by **30 of September 2020**.

In addition, participants have to submit the abstract together with the **Participation Form (Form A)** and the attached **Form for Submission of a Paper (Form B)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or their organization for onward transmission to the IAEA not later than **15 September 2020**.

## 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 using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **15 September 2020**.

## 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:

<http://www-pub.iaea.org/iaeaevents/GeneralInfo/Guide/VIC>.

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.

## **IAEA Contacts**

### **Scientific Secretary:**

#### **Mr Ovidiu Coman**

Division of Nuclear Installation Safety  
Department of Nuclear Safety and Security  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 26068

Fax: +43 1 26007

Email: [O.Coman@iaea.org](mailto:O.Coman@iaea.org)

### **Administrative Secretary:**

#### **Ms Nadia Nammari**

Division of Nuclear Installation Safety  
Department of Nuclear Safety and Security  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 22518

Fax: +43 1 26007

Email: [N.Nammari@iaea.org](mailto:N.Nammari@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.

# Participation Form

## Technical Meeting on Seismic Safety Evaluation

IAEA Headquarters, Vienna, Austria

12–14 October 2020

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary [O.Coman@iaea.org](mailto:O.Coman@iaea.org) and to the Administrative Secretary [N.Nammari@iaea.org](mailto:N.Nammari@iaea.org).

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

**Deadline for receipt by IAEA through official channels: 15 September 2020**

Family name: (e.g. Smith)	First name(s): (e.g. John)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable:		
Do you intend to submit a paper?	Yes	No
Would you prefer to present your paper as a poster?	Yes	No
Title:		





# Form for Submission of a Paper

## Technical Meeting on Seismic Safety Evaluation

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Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

**Deadline for receipt by IAEA through official channels: 15 September 2020**

Title of the paper:		
If applicable: Abstract ID in IAEA-INDICO:		
Family name(s) and first name(s) of all author(s): e.g. Smith, John	Scientific establishment(s) in which the work has been carried out	City/Country
1.		
2.		
3.		
Family name and first name(s) of author presenting the paper: e.g. Smith, John	Mr/Ms:	
Mailing address:		
Tel. (Fax):		
Email:		

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**Please note:** If granting the licence mentioned above, please supply any copyright acknowledgement text required.

Furthermore, I herewith declare:

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that any permissions and rights to publish required for third-party content, including but not limited to figures and tables, have been obtained, that all published material is correctly referenced; and

that the material submitted to the IAEA does not contain any libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any person or entity.

**Date:**

**Signature of main author:**

# Grant Application Form

## Technical Meeting on Seismic Safety Evaluation

IAEA Headquarters, Vienna, Austria

12–14 October 2020

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**Deadline for receipt by IAEA through official channels: 15 September 2020**

Family name: (e.g. Smith)	First name(s): (e.g. John)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yyyy/mm/dd):	Nationality:	

### 1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			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 event:

**Date:** \_\_\_\_\_ **Signature of applicant:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority**

\_\_\_\_\_