

## KEY DEADLINES

- 31 October 2014** Submission of extended synopsis (including Forms A and B)
- 31 October 2014** Submission of grant applications, if applicable (Forms C)
- 31 January 2015** Submission of advance copy of presentation/poster

Authors will be informed by 1 December 2014 as to whether their synopses have been accepted by the Technical Programme Committee. Guidelines for the preparation of presentations and posters will be provided at that time.

## PAPER SUBMISSION

Synopses must be submitted to: [IEM8@iaea.org](mailto:IEM8@iaea.org)

## CONFERENCE WEB PAGE

Detailed information on administrative procedures including participation, submission of synopsis, registration and grants is provided on the conference web page at:  
<http://www-pub.iaea.org/iaeametings/48908/IEM8>

Please include reference number IAEA-CN-235 in all communications.

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## International Experts Meeting on Strengthening Research and Development Effectiveness in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant



**IAEA Headquarters**  
**16–20 February 2015**  
**Vienna, Austria**



Organized in cooperation with the



**Nuclear Energy Agency of the  
Organisation for Economic Co-operation  
and Development (OECD/NEA)**

in connection with the implementation of the  
**IAEA Action Plan on Nuclear Safety**



## BACKGROUND

Against the backdrop of the accident at the Fukushima Daiichi nuclear power plant in March 2011, the IAEA set out the Action Plan on Nuclear Safety to strengthen nuclear safety worldwide. The Action Plan was approved by the Board of Governors and unanimously endorsed by the General Conference in September 2011.

The Action Plan calls for effective utilization of R&D in nuclear safety, technology and engineering, and the organization of IEMs to analyse all relevant technical aspects and to learn lessons from the Fukushima Daiichi accident. This IEM, the eighth such meeting since the first IEM in March 2012, supports these actions.

The Fukushima Daiichi accident has highlighted several areas where our knowledge and understanding of issues associated with severe accidents could be strengthened. It is the right time to re-evaluate the effectiveness and preparedness of technical measures for severe accident management and to improve and further develop technologies that more efficiently and effectively cope with severe accidents.

In the light of the Fukushima Daiichi accident, new R&D activities have been undertaken by IAEA Member States, as well as by international organizations. This IEM is being organized to facilitate the exchange of information on these R&D activities and to further strengthen international collaboration among Member States and international organizations.

## OBJECTIVE

The objective of this IEM is to provide a forum for experts from Member States and international organizations to exchange information and experience related to R&D work undertaken in the light of the Fukushima Daiichi accident. The IEM will focus on assisting Member States in planning and implementing R&D activities in nuclear safety, technology and engineering for existing and new nuclear power plants.

The IEM will focus on:

- Collecting information from Member States and international organizations on reactor technologies that are designed to cope with severe accidents, including those technologies already proven or under development;
- Sharing among Member States and international organizations the most recent information on R&D activities dealing with severe accidents;
- Discussing and assessing the features and effectiveness of the technologies to prevent or mitigate severe accidents, as well as the challenges presented by these technologies;
- Identifying and prioritizing the R&D areas in which possible international collaboration would be beneficial and/or necessary; and
- Summarizing the current status of R&D activities on severe accidents after the Fukushima Daiichi accident.

## TOPICS TO BE COVERED

The participants will share information on the ongoing efforts and the results obtained in R&D work on reactor technologies to prevent or mitigate severe accidents at nuclear reactors and spent fuel pools based on technical lessons learned from the Fukushima Daiichi accident.

Specifically, the IEM will address the following R&D topics:

- Topic 1: Common cause failures due to external and internal events;
- Topic 2: Technologies to prevent/mitigate severe accidents;
- Topic 3: Severe accident analysis;
- Topic 4: Emergency preparedness and response; and
- Topic 5: Post-accident recovery.

## TARGET AUDIENCE

The IEM will be of interest to experts representing nuclear power plant operating organizations, research institutes, nuclear reactor vendors, nuclear regulatory bodies and technical support organizations.

## REGISTRATION

No registration fee is charged. All participants in the meeting are requested to register online in advance through the conference web page.

## LANGUAGE

The working language will be English.