



ORGANISATION  
FOR ECONOMIC  
CO-OPERATION  
AND DEVELOPMENT



ORGANISATION FOR ECONOMIC AND CO-OPERATIVE DEVELOPMENT

AGENCE DE L'OCDE POUR L'ÉNERGIE NUCLÉAIRE

NUCLEAR ENERGY AGENCY

Committee on Nuclear Regulatory Activities

Working Group on Operating Experience

*International Special Topic Extended Meeting  
on*

*Maintaining and Transferring Knowledge from  
Operating Experience*

**13 April 2010**

Hosted by the NEA  
Paris, France

*Preliminary Announcement*

**Registration Deadline: 20 March 2010**

*Announcement Issued: 15 January 2010*

## **ORGANISATION AND HOST**

The Committee on Nuclear Regulatory Activities (CNRA) Working Group on Operating Experience (WGOE) special topic extended meeting on "*Maintaining and Transferring Knowledge from Operating Experience*" will be held at 13 April 2010, in Paris, France, hosted by the Nuclear Energy Agency (NEA).

This first announcement is to inform you of this event and provide an invitation for attendance at the special topic extended meeting. This announcement is also available at [www.nea.fr/html/nsd/calendar.html](http://www.nea.fr/html/nsd/calendar.html)

## **BACKGROUND**

Based on the regulatory actions underway or being considered in different member countries concerning their ability to maintain their corporate knowledge with respect to the aging work force, the CNRA decided at its June 2009 meeting to assign the WGOE with the task to explore the further steps in dealing with the issue. At the 6<sup>th</sup> WGOE meeting, two special presentations given by Finland and United States on their Regulatory Body's activities on Knowledge Management showed the necessity of further investigations and multilateral information on tools and national programs regarding the maintaining and transferring regulatory knowledge on the analysis and feedback of operating experiences. The subsequent discussion showed clearly that the participating countries faced similar challenges including losing experienced staff due to retirements.

Additionally, several countries are encountering difficulties in attracting or maintaining highly qualified staff for various reasons. These include high cost of living areas and higher salaries offered from the industry (vendors and operating organizations). The main cause of the difficulties might be the limited number of students in nuclear-related sciences and thus a high level of competition between regulatory bodies, utilities, vendors, engineering companies, and research institutions for an insufficient amount of applicants.

The main purpose of the WGOE is to review events having safety issues with generic importance that need to be addressed from a regulatory viewpoint. From the tasks performed by WGOE, recommendations will be provided to the CNRA on regulatory issues and the Committee on the Safety of Nuclear Installations (CSNI) on technical and scientific issues. The work of WGOE may include the production of topical reports on safety issues of common concern.

## **OBJECTIVE OF THE SPECIAL TOPIC EXTENDED MEETING**

The objective of this international special topic extended meeting is to review and discuss the tools and programs (still planned or already implemented) related to the maintenance and transfer of knowledge on the area of operating experiences. Recent discussions have shown that the knowledge – especially the so called “know-why” – derived from nuclear events and other related operating experiences is diminishing. In the respective organizations, experts with direct own knowledge on events influencing the design or operation of NPPs have already retired or their retirement will commence very soon. Thus, a comprehensive transfer of the knowledge of these experts have to be transferred to the young generation in order to

prevent that former mistakes will not occur again, e.g. during the construction or licensing of new nuclear power plants.

The special topic extended meeting will provide a forum to communicate some of the tools that are available to gather, to store and to transfer information as well as the efforts of the different organizations to combine these tools into practical programs. In the special topic extended meeting, representatives from the industry (e.g., vendors, utilities, international organizations) shall also have the opportunity to present their efforts regarding the topic. These will allow the regulatory organizations to benchmark their tools and programs with these applied by the industry and vice versa. Information obtained as a result of this special topic extended meeting should give understanding of the topic including good practices of regulatory implementations.

## **SCOPE, CONTENT AND OUTLINE OF THE SPECIAL TOPIC EXTENDED MEETING**

The special topic extended meeting will include an introductory presentation, technical sessions devoted to the tools and programs on the topics outlined in the preliminary programme. The summary of the presentations and discussions as well as the conclusions and recommendations for possible further actions by the CNRA/WGOE will be available shortly after the special topic extended meeting. All the participants are expected to take part in the discussion of the presentations as well as to suggest potential conclusions and recommendations.

## **LOGISTICS AND PARTICIPATION IN THE SPECIAL TOPIC EXTENDED MEETING**

### *Location and accommodation*

The special topic extended meeting will be held in Paris, France, at the OECD Headquarters Conference Centre. No specific hotel accommodations have been designated.

### *Language*

All presentations and discussions will be in English, and good command of the English language will be necessary to fully benefit from the special topic extended meeting.

### *Participants and Presenters*

As a NEA special topic extended meeting, participation is open to experts from regulatory authorities and their technical support organizations, research organizations, NPP owners and operators, NPP designers and vendors, and industry associations and observers from OECD NEA member countries. Nominations should be made through the NEA Secretariat of WGOE, [Diane.Jackson@oecd.org](mailto:Diane.Jackson@oecd.org). Members are encouraged to invite additional participants that are involved in knowledge management from their country to attend.

All participants are requested to complete one questionnaire per country. Questionnaires should be submitted to the NEA Secretariat, [Diane.Jackson@oecd.org](mailto:Diane.Jackson@oecd.org) by 20 March 2010.

Members of the WGOE are natural participants of this special topic extended meeting as it is a part of a regular WGOE meeting. However, members should inform the Secretariat if they are **not** participating in the special topic extended meeting and the regular meeting as usual.

Those persons presenting at the special topic extended meeting should send presentations to the Secretariat at last one week in advance of the special topic extended meeting.

### ***Registration***

Non-WGOE participants should complete the attached registration form or the electronic registration form at [www.nea.fr/html/nsd/calendar.html](http://www.nea.fr/html/nsd/calendar.html) and send it by **20 March 2010** to the NEA Secretariat:

OECD-NEA  
Ms. Diane Jackson, Nuclear Safety Specialist  
Nuclear Safety Division  
Le Seine St-Germain  
12 boulevard des Iles  
F-92130 Issy-les-Moulineaux, France

Office: +33 1 45 24 10 55  
Telefax: +33 1 45 24 11 29  
E-mail: [Diane.Jackson@oecd.org](mailto:Diane.Jackson@oecd.org)

There is no registration fee.

The Organizing Committee will confirm the acceptance of registration for the special topic extended meeting.

### ***Special topic extended meeting proceedings***

Proceedings from the special topic extended meeting will be published by the NEA, and will include the presentations from the sessions, summary of the panel discussion as well as conclusions and recommendations of the special topic extended meeting, and information papers submitted by participants to the special topic extended meeting, if available.

### ***Organising Committee***

The Organising Committee shall organise the sessions and the final programme for the special topic extended meeting.

The following persons form the organising committee of the special topic extended meeting:

Michael Maqua	GRS	Germany	WGOE Chair
Seija Suksi	STUK	Finland	WGOE Vice-Chair
Fred van Iddekinge	VROM	Netherlands	WGOE Vice-Chair
Diane Jackson	OECD-NEA	International	NEA-Secretariat



**OECD NUCLEAR ENERGY AGENCY  
AGENCE DE L'OCDE POUR L'ÉNERGIE NUCLÉAIRE**

**Committee on Nuclear Regulatory Activities  
Working Group on Operating Experience**

**International Special Topic Extended Meeting  
“Maintaining and Transferring Knowledge from Operating Experience”**

**Registration Form  
for non-WGOE Participants and Presenters accompanied by responses to the  
questionnaire (one response per country)**

<b>Surname (Family Name) <sup>1</sup>:</b>	
Given Name (s):	
Title or Function:	
Institution, Organization or Company (full address):	
Contact Number :	
Telefax Number :	
E-mail address :	
Title of the presentation (if applicable)	

1 (Please indicate whether Prof., Dr., Mr., Mrs., Miss, Ms.)

To be sent as soon as possible, according to the specified deadlines, to:

OECD-NEA  
Ms. Diane Jackson  
Nuclear Safety Division  
Le Seine St-Germain  
12, boulevard des Iles  
F-92130 ISSY-LES-MOULINEAUX  
FRANCE

Office: +33 1 45 24 10 55  
Telefax: +33 1 45 24 11 29  
E-mail: [Diane.Jackson@oecd.org](mailto:Diane.Jackson@oecd.org)

**OECD NUCLEAR ENERGY AGENCY**

**AGENCE DE L'OCDE POUR L'ÉNERGIE NUCLÉAIRE**



**SPECIAL TOPIC EXTENDED MEETING**

***“Maintaining and Transferring Knowledge from  
Operating Experience”***

**PRELIMINARY PROGRAMME**

**OPENING**

Chair: Michael Maqua

NEA

Knowledge Management of Operating Experience in an International Context: The purpose of this presentation is to introduce into the topic based on the extended experiences of an international organization.

**SESSION 1: STRATEGIES AND TOOLS FOR MAINTAINING AND  
TRANSFERRING KNOWLEDGE ON OPERATING EXPERIENCE**

The purpose of this session is to present strategies and tools for knowledge management of operating experience. Presentations should be presented from a scientific point of view.

***PRESENTATIONS AND DISCUSSION ON STRATEGIES AND TOOLS FOR KNOWLEDGE  
GATHERING, STORAGE AND TRANSFER OF OPERATING EXPERIENCE***

## **SESSION 2: INDUSTRY EFFORTS IN KNOWLEDGE MANAGEMENT AND TRANSFER FOR OPERATING EXPERIENCES**

The purpose of this session is gain understanding of the industry's approach to the same challenges in knowledge management. However, it may be ahead in implementing solutions or have a different approach to the challenge. The presentations will come from companies that have sufficient means for the development and implementation of comprehensive programs.

*PRESENTATIONS AND DISCUSSION ON A UTILITY'S VIEW ON A KNOWLEDGE MANAGEMENT OF OPERATING EXPERIENCE PROGRAM AND A VENDOR'S EFFORTS RELATED TO KM FROM OPERATING EXPERIENCE FEEDBACK*

## **SESSION 3: REGULATORY PRACTICES ON MAINTAINING AND TRANSFERRING KNOWLEDGE ON OPERATING EXPERIENCE**

The purpose of this session is to present and discuss existing or planned programs on knowledge management related to operating experience as approached by countries with a small, a medium and a large nuclear program from the regulatory viewpoint. Main emphasis should be laid on the good practices instead of challenges.

*PRESENTATIONS AND DISCUSSION ON KM OF OPERATING EXPERIENCE PROGRAMS OR ACTIVITIES FROM COUNTRIES WITH LARGE AND SMALL NUCLEAR PROGRAMS*

## **SESSION 4: OPEN DISCUSSION ON THE POTENTIAL INTERNATIONAL CO-OPERATION BETWEEN REGULATORS AS WELL AS BETWEEN REGULATORS AND INDUSTRY**

The purpose of this session is to provide a forum to discuss international co-operation on knowledge management of operating experience, complemented by questions and suggestions from the participants. The main aim of the discussion is to develop *conclusions and recommendations* for the outcomes of the meeting and *suggestions* for opportunities for further co-operation within the CNRA and Committee on Safety of Nuclear Installations (CSNI) framework.

## **CLOSING OF THE SPECIAL TOPIC EXTENDED MEETING**





## PRELIMINARY REGISTRATION FORM QUESTIONNAIRE

### KNOWLEDGE MANAGEMENT OF OPERATING EXPERIENCES PRACTICES

**Submittal Date: 20 March 2010**

**Notes:**

Only one response per country is required. If more than one person from your country is participating, please co-ordinate the responses accordingly.

Submittals should be sent by email to: [diane.jackson@oecd.org](mailto:diane.jackson@oecd.org)

COUNTRY: \_\_\_\_\_

1. What is your regulatory body's (RB's) process for managing knowledge of operating experience (capture/collecting, transfer/sharing, and organising/storing)?
2. What organisation or people in your RB are involved in the process of knowledge management for operating experience?
3. What are the tools utilised by your RB to capture or collect lessons learnt from operating experience?
4. What are the tools utilised by your RB to transfer or share the knowledge to the current staff?
5. What are the processes or tools utilised to capture and transfer or share the lessons learnt to future staff?
6. What are the processes or tools by which your RB organises or stores the knowledge (e.g., database, Communities of Practice websites)?
7. How does your RB measure if the methods are effective?