## KEY DEADLINES

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| **28 February 2016** | Submission of papers (including Form A and B) |
| **28 February 2016** | Submission of grant application (including Form A and C) |
| **Mid-May 2016** | Notification of acceptance of papers |

## REGISTRATION FEE

No registration fee is charged.

Limited funds are available to assist certain participants. Approved grants will usually cover only part of the cost of attendance. Please see the conference web page for details on how to register.

## LANGUAGE

The conference will be held in English.

## CONFERENCE WEB PAGE

Detailed information on administrative matters, including registration, paper submission and grants, is provided on the conference web page:

http://www-pub.iaea.org/iaeameetings/50805/Third-International-Conference-on-Nuclear-Knowledge-Management-Challenges-and-Approaches

Please include reference number IAEA-CN-241 in all communications.

## CONFERENCE SECRETARIAT

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CN-241

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Third International Conference on

# Nuclear Knowledge Management

## Challenges and Approaches

7–11 November 2016
Vienna, Austria


Organized by the
IAEA International Atomic Energy Agency

In cooperation with the OECD/Nuclear Energy Agency (NEA)
OECD BETTER POLICIES FOR BETTER LIVES
NEA NUCLEAR ENERGY AGENCY

## BACKGROUND

Appropriate technical expertise and experience, along with a strong safety culture, must be developed and kept available throughout the nuclear technology life cycle. Nuclear equipment, installations and facilities may have long life cycles with changing operational conditions. Advanced and specialized knowledge in nuclear engineering and science is required for the safe and effective design, construction, licensing, commissioning, operation, maintenance, and decommissioning of nuclear technology-based systems. *The safe use of licensed nuclear facilities and technologies is reliant on the ongoing availability and maintenance of suitable knowledge and expertise*, and an adequate understanding of related safety issues.

The ability of organizations that operate or utilize nuclear technology to take safe decisions and actions can be affected by knowledge gaps or knowledge loss. Appropriate methods and supporting technology are needed to establish and manage nuclear competencies, information and records, work processes, analysis and verification techniques, and the interpretation of data.

Through the presentation and discussion of issues and solutions related to building, collecting, transferring, sharing, maintaining, preserving and utilizing knowledge, *the conference will aim to improve awareness of the importance of knowledge management (KM) in the nuclear sector*. Member States will have the opportunity to strengthen their capabilities in this area by learning from the experiences of other Member States and other stakeholders.

The conference is a follow-up to the first and second conferences organized by the IAEA on nuclear knowledge management (NKM), held in 2004 in Saclay, France, and in 2007 in Vienna, Austria, respectively. It also builds on the outcomes of the IAEA organized conferences on human resource development held in 2010 in Abu Dhabi, United Arab Emirates, and in 2014 in Vienna, Austria.

## OBJECTIVES

*The conference will provide an opportunity to share experiences and lessons learned in the nuclear sector related to managing nuclear knowledge and to share practical approaches to KM* that can be used at the organizational, national, and international levels to develop and maintain a strong nuclear knowledge base. Various issues related to specific human competencies, methodological or process knowledge and technology-related knowledge that are needed to support the safe and sustainable application of nuclear technology will be addressed.

## TARGET AUDIENCE

*The conference will address and bring together managers, decision-makers and KM specialists from all types of organizations* involved in the nuclear sector, including nuclear facility owners and operators, regulatory bodies, government agencies, design organizations, reactor and technology vendor organizations, technical support organizations, suppliers, research and development (R&D) organizations, education and training institutions, and standards development organizations.

## FORMAT AND TOPICS

The conference will consist of both plenary and parallel sessions, blending high-level, keynote sessions with more practical sessions. The event will feature exhibitions, forums and panels, as well as tutorials and workshops. Computer and display technology will be deployed to support interactive poster sessions and communication platforms.

The scope of the conference will be articulated through thematic tracks, exploring both cross-cutting aspects of nuclear KM and elements that are more prominent in, and specific to, distinct applications of nuclear power and technology.

*The planned thematic tracks are listed below:*

1. *Strategic and cross-cutting KM issues in organizations*
2. *Managing knowledge for new build projects and programmes in newcomer and expanding countries*
3. *Managing knowledge for operating nuclear facilities*
4. *Managing knowledge for decommissioning and environmental remediation projects, including in countries with phase-out plans*
5. *KM for nuclear regulatory compliance*
6. *KM for non-power nuclear science and applications*
7. *KM in nuclear technology research, development and innovation*
8. *Issues and approaches for information and records management*

Contributions are welcome from other sectors, such as the automotive, aviation and space industries, the oil and gas industry, and the pharmaceutical sector, which are advanced in KM and would be in a position to share experiences relevant to the nuclear sector.

The conference is a multidisciplinary event drawing from a strong collaborative effort by several Sections, Divisions and Departments of the IAEA.