



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Nuclear Knowledge Management



**A Selection of Records
from the IAEA Lise Meitner Library**

**International Conference on Nuclear Knowledge
Management and Human Resource Development**

Resources

1 Nuclear Knowledge Management Challenges and Approaches.

International Atomic Energy Agency, 2018.
Available at IAEA Circulation (004.774.2:005.94 E97)

Abstract

Third International Conference on Nuclear Knowledge Management : Challenges and Approaches : Summary of an International Conference organized by the International Atomic Energy Agency in cooperation with the OECD Nuclear Energy Agency (OECD/NEA).

ISBN 9789201088185

2 Exploring Semantic Technologies and their Application to Nuclear Knowledge Management.

International Atomic Energy Agency, 2021.
Available at IAEA Circulation (004.774.2:005.94 E97)

Abstract

This publication gives an insight into semantic technologies, their use in building knowledge bases and the development of knowledge driven services and applications. As knowledge in the nuclear field is hosted in many different organizations around the world, a dominant concern is the management of distributed knowledge.

ISBN 9789201087195

3 Knowledge Management and its Implementation in Nuclear Organizations.

International Atomic Energy Agency, 2021.
Available at IAEA Circulation (621.039:005.94 K560)

Abstract

The objective of this publication is to share best practices and experiences based on the KMAV programme undertaken by IAEA expert teams during the period 2005–2013. These visits have involved different types of nuclear organizations. A secondary aim of this publication is to provide feedback on past KMAVs, and to provide guidance for the future development of the assessment tool(s), which will assist participating nuclear organizations with optimizing their future KMAVs.

4 A Nuclear Knowledge Management Course for University Master's Level Programmes

International Atomic Energy Agency, 2023.
Available at IAEA Circulation (621.039:005.94 N83)

Abstract

The objective of the publication is to support Member States, particularly universities, to establish a master's level course in nuclear knowledge management. The learning objective of the course is to understand how to establish a knowledge management culture and practice as a part of national capacity building policies and strategies, as well as an integral part of nuclear and radiological organizations' infrastructure.

5 Managing Human Resources in the Field of Nuclear Energy.

International Atomic Energy Agency, 2023.
Available at IAEA Circulation (621.039:005.96 M36 2023)

Abstract

This publication aims to provide guidance both at the level of management of individual employees through the plant life cycle and at the organizational level. It elaborates on ten key human resources (HR) processes concerning the management of individual employees as well as the four broader organizational issues — organizational and safety culture, stakeholder engagement, diversity and inclusion, and change management — to which the processes relate. The publication underscores the importance of the HR function working in tandem with the organization's management functions to ensure success, and as such is intended to support a variety of users including line managers, HR professionals and senior managers.

6 Nuclear Power Human Resources Modelling Tool: Description and User Manual.

International Atomic Energy Agency, 2021.
Available at IAEA Circulation (621.039:005.96 M36 2021)

Abstract

This publication provides detailed explanations of the initial data needed to gain a comprehensive understanding of the Nuclear Power Human Resource modelling tool and summarizes each of the simulator tabs, modifiable worksheets and various controls. A complete description of all the modelling tool's features is also provided. A detailed set of examples is provided in the appendices.