

# Third International Conference on Nuclear Knowledge Management - Challenges and Approaches



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## CNCAN Knowledge Management Process and Tools in Support of Sustainable Development of Regulatory Competences

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The paper presents the knowledge management process and the knowledge management portal developed by CNCAN, in the framework of the Regional Excellence Project on Regulatory Capacity Building in Nuclear and Radiological Safety, Emergency Preparedness and Response in Romania. The activities of this project started in 2014. The general process for knowledge management is presented, together with its sub-processes: identification of the necessary knowledge; identification of the risk of knowledge loss; acquisition and / or creation of knowledge; knowledge retention (capture, collect, store and organize knowledge); knowledge utilization; review of the effectiveness of the knowledge management process; identification of opportunities for improving the knowledge management process. The paper also presents a set of indicators of the effectiveness of the knowledge management process and the artifacts, espoused values and basic assumptions supporting an effective knowledge management process. The necessary knowledge has been identified using the IAEA recommendations on managing regulatory body competence and the SARCoN methodology. The knowledge management process has been developed based on the IAEA publications on knowledge management in the nuclear industry and in regulatory bodies. The implementation of the process and the development of the portal are ongoing, with more than 20% of the staff using the portal.

### Country or International Organization

Romania

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