

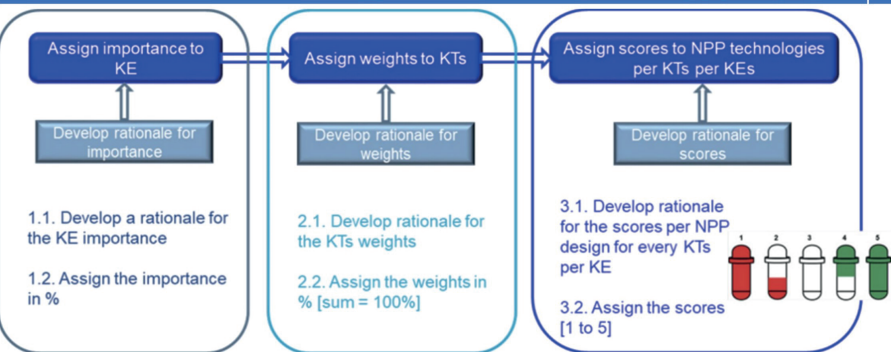
67th IAEA General Conference



The Platform on Small Modular Reactors and their Applications

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IAEA Reactor Technology Assessment Methodology (RTA)



IAEA Advanced Reactor Information System (ARIS)



SMR Platform Activity: Reactor Technology Assessment using ARIS Database

Side Event during the 67th IAEA General Conference

26th September 2023, 16:00 –17:30, Conference Room CR2, C Building, 4th floor

This side event aims to address the key challenge faced by Member States interested in deploying Small Modular Reactors (SMRs) by presenting successful strategies for assessing suitable SMR technology options to meet national needs. The IAEA has launched the SMR Platform to coordinate its activities related to SMRs and their applications. One of the tools offered to Member States through this platform is the Nuclear Reactor Technology Assessment (RTA) methodology.

During the event, participants will learn how to perform SMR assessments using the IAEA RTA methodology and the Advanced Reactor Information System (ARIS) database, which are integral parts of the SMR platform activities. IAEA staff will showcase these tools and provide insights into their usage and benefits. Additionally, a Member State that is embarking on a nuclear power programme will share its experience of applying these tools in practice.

This side event intends to demonstrate the effectiveness of the IAEA's tools in assisting Member States in making informed decisions regarding SMR technology options. By utilizing the RTA methodology and ARIS database, countries can assess the suitability of various SMR designs and their compatibility with their national energy needs, regulatory frameworks, and infrastructure capabilities.

The showcased experience of a Member State will offer real-world insights into the practical implementation of the IAEA's tools, highlighting their value in guiding the decision making process. This event provides a platform for knowledge exchange, fostering collaboration and cooperation among Member States interested in SMR deployment.

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Event Programme

Opening Address

Mikhail Chudakov

Deputy Director General,
Head of Department of Nuclear
Energy

**IAEA SMR Platform
and its Applications**

Dohee Hahn

SMR Platform Coordinator

**IAEA Reactor Technology
Assessment of SMRs
with ARIS Database**

Tatjana Jevremovic

Team Leader/Project Manager for
Water Cooled Reactor Technology
Development

**Walkthrough: Reactor
Technology Assessment
Tools**

Hadid Subki

Team Leader/Project Manager for
SMR Technology Development

National Case Study

Stella Ntiwaah

Nuclear Engineer/Research Assistant
Ghana Atomic Energy
Commission/Nuclear Power Ghana

**VIDEO: From SMR Vendor to
IAEA ARIS Database**

Alexei Miassoedov

Nuclear Engineer/Water Cooled
Reactor Technology Development

Q & A Session

Closing Remarks

Aline des Cloizeaux

Director, Division of Nuclear Power