

66th IAEA General Conference

IAEA Platform on SMRs and their Applications: Progress and Outlook

Hybrid Side Event during the IAEA 66th General Conference

Tuesday, 27 September 2022, 11:00-13:00 CEST

Conference Room CR4, C building, seventh floor

At the request of the IAEA Member States, an Agency-wide Platform on Small Modular Reactors (SMRs) and their Applications was established in April 2021 as a comprehensive and holistic effort to provide a coordinated and consistent support to Member States on all aspects of SMRs development, deployment and oversight. With over one year of internal governance on this area, along with regular interactions with the Member States, an IAEA medium-term strategy for near term deployment of SMRs has been formulated. The strategic objectives and associated projects provide direction to the IAEA's coordinated support to Member States considering deployment of SMRs. The strategy was designed to ensure timely, relevant, and consistent IAEA supports to Member States that aim to enhance the technology readiness levels of SMRs towards the deployment.

This side event will present the progress of the IAEA Platform on SMRs and their Applications, including its medium-term strategy, the SMR Portal, the high-level publication on 'SMRs: A New Nuclear Energy Paradigm', the Interregional Technical Cooperation project on SMRs and Microreactors. Member States will showcase how they benefit from the Platform, which provides a "one-stop shop" for IAEA support on SMRs and their non-electric applications, from development to deployment phases, addressing technology, safety, security, safeguards, and all enabling subjects. The event will also present the 2022 edition of the Supplementary Booklet to the Advanced Reactors Information System (ARIS) reporting the advances in SMR technology developments.

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Event Programme

Opening Address

Rafael Mariano Grossi

IAEA Director General

Major Outputs of the IAEA Platform on SMRs and their Applications

Mikhail Chudakov

IAEA Deputy Director General and Chair of the Steering Committee of the Platform

Overview and Mechanism of the IAEA Platform on SMRs and their Applications

Stefano Monti

IAEA Section Head and Chair of the Platform Implementation Team

Portal for the SMR Platform: Introduction and Walkthrough

Andrew Robert Cartas

IAEA Project Officer

Nuclear Harmonization and Standardization Initiative (NHSI)

Aline des Cloizeaux

IAEA Director, Division of Nuclear Power

Anna Bradford

IAEA Director, Nuclear Installation Safety

Highlight from Brazil

Celso Cunha

President, Brazilian Association for the Development of Nuclear Activities (ABDAN)

Highlight from Jordan

Khaled Tukan

Chairman, Jordan Atomic Energy Commission

IAEA publication: Small Modular Reactors: A New Nuclear Energy Paradigm

Henri Paillere

IAEA Section Head – Planning and Economic Studies Section

IAEA Supplementary Booklet on advances in SMR technology developments

Hadid Subki

IAEA Technical Lead – SMR Technology and Development

Q&A Session

Closing Remarks

Anna Bradford

IAEA Director, Nuclear Installation Safety