

REGISTRATION

No registration fee is charged.

LANGUAGE

The working languages of the conference will be all the official IAEA languages: Arabic, Chinese, English, French, Russian, and Spanish.

The working language of the In Focus events will be English.

CONFERENCE WEB PAGE

For detailed information regarding the conference please visit the web page:

www.iaea.org/NPMinisterial2022



Please include reference number **IAEA-CN-296** in all communications.

CONFERENCE SECRETARIAT

Scientific Secretary of the Conference

Mr Dohee Hahn
Department of Nuclear Energy
Tel.: +43 1 2600 22693
Email: NP2022.Ministerial@iaea.org

Scientific Support

Ms Irena Chatzis
Department of Nuclear Energy
Tel.: +43 1 2600 22860
Email: NP2022.Ministerial@iaea.org

Administration and organization

Ms Martina Neuhold
Conference Services Section
Division of Conference and Document Services
Department of Management
CN-296; EVT2001736
Tel.: +43 1 2600 21314
Email: IAEA.Ministerial-Conference@iaea.org

Organized by



Hosted by



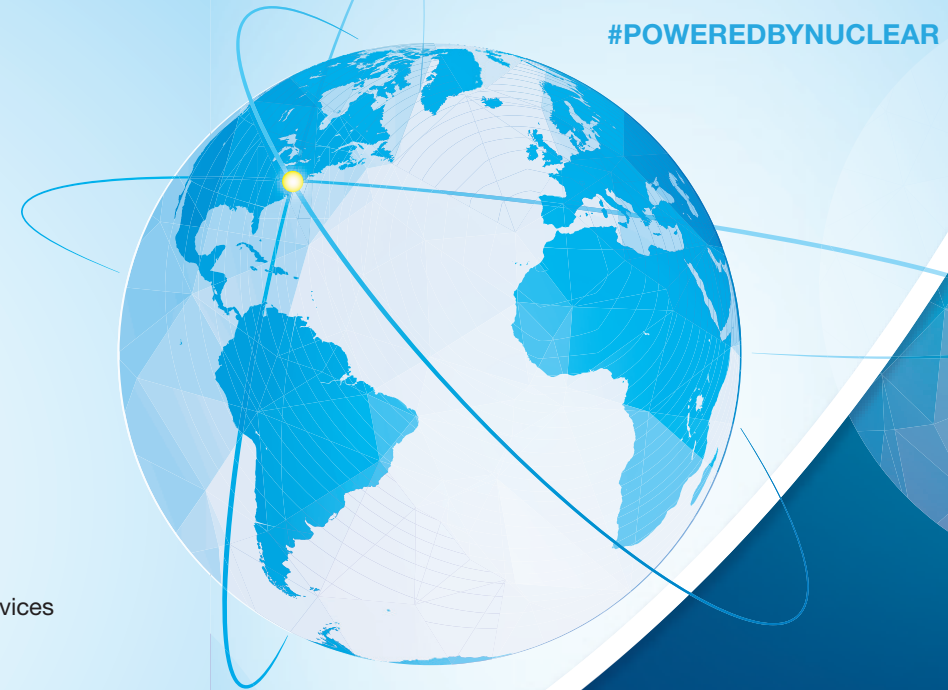
in partnership with



in cooperation with



in support of



Nuclear Power in the 21st Century

26–28 October 2022

Washington, DC
United States of America

ORGANIZED BY



BACKGROUND AND OBJECTIVE

The International Atomic Energy Agency (IAEA) is organizing the fifth International Ministerial Conference on Nuclear Power in the 21st Century in Washington, D.C., United States, from 26 to 28 October 2022, following the conferences held in Paris (2005), Beijing (2009), St. Petersburg (2013) and Abu Dhabi (2017).

A growing number of countries see nuclear power playing an essential role in contributing to sustainable development and the mitigation of climate change. Some 440 nuclear power reactors, operating in 32 countries, provide about 390 gigawatts of nuclear power generating capacity. They produce over a quarter of the world's low carbon electricity. About 50 additional countries have expressed interest in the introduction of nuclear power.

The conference will provide a forum for ministers, policymakers, senior officials and experts to engage in high-level dialogue on the role of nuclear energy in the transition to clean energy sources, and its contribution to sustainable development and climate change mitigation. Participants will discuss and exchange views on the key issues related to the development and deployment of nuclear energy, including the reliability and flexibility of the nuclear industry during the COVID-19 global crisis and its contribution to economic recovery efforts amid the ongoing global pandemic.

The conference is organized in partnership with the International Energy Agency and in cooperation with the OECD Nuclear Energy Agency. It is hosted by the Government of the United States of America through the Department of Energy.

TOPICS

- **Fulfilling the Promise: Achieving Net Zero with Low Carbon Nuclear Energy**

This session will discuss key national drivers for shaping policy support and unlocking the full potential of nuclear energy on the road to clean energy transition. This includes acknowledging nuclear energy's contribution to the decarbonization of non electrical sectors, and tackling the challenge of future deployment and continued operation of nuclear power plants.

- **Enabling Environments: Creating the Conditions for Wider Deployment of Nuclear Energy**

This session will focus on the establishment of an enabling environment for the safe, secure, and sustainable use of nuclear energy, the role of government in setting up nuclear power programmes and legal frameworks, and the importance of effective stakeholder engagement in the development and expansion of these programmes.

- **Strengthening the Fleet: Extending and Expanding the Clean Energy Contribution of Existing Nuclear Power Plants**

This session will focus on the role of operating nuclear power plants in coping with current economic, political and market conditions and efforts to foster informed, data-driven decision-making by ensuring broad awareness of nuclear power as a reliable, low emission, non-polluting source of energy.

- **Charting the Course: Pursuing Early Deployment of Advanced Reactor and Waste Management Technologies**

Looking at technical, regulatory, societal and economic aspects, this session will discuss the technology maturity and market readiness for near-term, deployable, advanced reactors. It will also discuss related fuel cycles; from fuel engineering to spent fuel and radioactive waste management, roadmaps for their deployment, and their integration in hybrid energy systems.

- **Enhancing Confidence: Effective Regulatory Oversight for the Future of Nuclear Energy**

This session will focus on global and national efforts to meet expectations for a more harmonized approach and continued effective regulatory regimes enabling safe deployment and utilization of advanced and future nuclear technologies.

CONFERENCE STRUCTURE

The conference will feature a plenary session with national statements, and panel discussions among internationally recognized experts on the conference topics. Several In Focus events will address trending topics in the field of nuclear power, such as international cooperation to promote the role of nuclear energy in the clean energy transition, gender and diversity in the nuclear sector, challenges faced by the nuclear industry and solutions to overcome those challenges, as well as engagement of youth and other stakeholders.

EXHIBITIONS

A limited amount of space will be available for displays/exhibits during the conference. Details will be provided on the conference web page.

KEY DEADLINES

15 July 2022	Pre-registration by the participant to facilitate applications for financial support and provision of visa support letter via InTouch+ (EVT2001736)
18 July – 19 October 2022	Submission of delegation lists by Permanent Missions via InTouch+ (EVT2201785)