

Second International Conference on Climate Change and the role of Nuclear Power: Atoms4NetZero

Monday, 9 October 2023 - Friday, 13 October 2023

Vienna, Austria

Scientific Programme

The following topics will be addressed during the conference

Positioning nuclear power in the global clean energy transitions

How nuclear can contribute to addressing both climate and energy crises in the context of Paris Agreement and SDGs, including through Nationally Determined Contributions (NDCs), Long Term Strategy plans (LTS) and Energy Compacts

What are the favourable attributes of nuclear power in economic, environmental and social dimensions (de-risking and lowering the overall costs of energy transitions, supporting economic development, high energy intensity, low carbon GHG emission, lower land footprint, lower critical mineral consumption, etc.)

Assess the contribution of nuclear power to the overall climate-resilient energy systems taking into account the observed and anticipated impact of changing climate and extreme weather events

Inform policymakers of the potential of nuclear power integrated in low-carbon energy systems with large shares of renewables, through modelling decarbonization (including net zero) scenario studies

Establishing an enabling environment for nuclear power

What are the social and economic benefits associated with nuclear investments

How to establish a level playing field at national and international levels that recognizes the low carbon and sustainability attributes of nuclear power

How to improve nuclear' s competitiveness through enhanced standardization of designs and supply chain, cost reduction, increased harmonization of regulatory approaches and access to green finance frameworks

How policymakers can enable attractive investment opportunities for nuclear newbuild projects

Releasing the full potential of nuclear energy

What are the latest innovation breakthroughs and advancements in nuclear energy

What are the keys to fast development of advanced reactors including SMRs

How to enable safe and economical Long-Term Operation of Nuclear Power Plants

How to accelerate the demonstration and commercialization of non-electric applications of nuclear energy (heating, hydrogen, desalination.) including design to market requirements and scale of deployment

Mainstreaming nuclear power as a sustainable, low-carbon energy source

How international cooperation and partnership can help to mainstream nuclear energy in the global debate on climate change and SDGs

How to implement an effective and efficient stakeholder engagement strategy

How to mobilize multi-stakeholders, including women and young generation groups, to facilitate the global dialogue

