

# **International Conference on Climate Change and the Role of Nuclear Power**

**Monday 7 October 2019 - Friday 11 October 2019**

**Vienna International Centre, Vienna**

## **Thematic Areas**

The purpose of the conference is to provide a forum for the exchange of information on the role of nuclear power, and on the opportunities and challenges of safe, secure and safeguarded nuclear technology development in supporting the low-carbon energy transformation needed to achieve the climate change goals.

The IAEA seeks to bring together Member States, representatives of relevant low-carbon energy sectors, international organizations, and other parties. The conference themes include a description of the mitigation challenge, implications for the power sector, environmental perspectives, and potential roles of existing, evolutionary and innovative nuclear power systems, including the integration of nuclear/renewable energy systems.

## **Plenary Session Climate Change and the Role of Nuclear Power**

Presentations by invited country representatives and international organizations. Please do not submit anything under this track.

### **Track 1. Advancing energy policies that achieve the climate change goals:**

→ How nuclear power can contribute when planning for Nationally Determined Contributions (NDC) updates.

### **Track 2. The increasing contribution of nuclear power in the mitigation of climate change, including synergies with other low-carbon power generation sources:**

→ Challenges and opportunities for existing nuclear power plants with respect to the continuous contribution to the avoidance of greenhouse gas (GHG) emissions;

→ How nuclear power can add a large volume of sustainable clean energy for electricity generation and non-electric applications, including through integration into hybrid energy systems; and

→ Synergies between nuclear power and other low carbon energy sources.

### **Track 3. Development and deployment of advanced nuclear power technologies to increase the use of low-carbon energy:**

→ Challenges associated with the rapid introduction of new nuclear power technologies into the market, and the implementation of effective regulatory processes; and

→ How to reduce GHGs in each stage of the nuclear fuel cycle, from front end to back end.

### **Track 4. Shaping the future of the nuclear industry in regulated and deregulated energy markets to address climate change:**

→ How to ensure the availability of resources, including attracting finance and ensuring competitiveness of new nuclear power projects.

### **Track 5. Enhancing international cooperation and partnership in nuclear power deployment:**

→ How to facilitate and foster development and deployment of nuclear power technologies through international cooperation and partnerships, including with organizations and partners of other low carbon technologies.

### **Track 6. Public and non-nuclear stakeholders' perception of the role of nuclear power in climate change mitigation:**

→ How to engage public opinion and open effective channels of communication with other stakeholders in the field of energy, environment and climate change.