

Session 3: Addressing the challenge of climate change

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● **Vulnerability, adaptation and resilience of the nuclear sector**

- Identifying impact of climate change on external hazards phenomena/ site parameters that pose challenges to safety -> to be updated considering the latest data

● **Difficulties in linking general scientific studies on climate change to needs of NPPs to prepare robust response through forward-looking protection plans and reaching trust**

- By learning from the past, the nuclear sector can improve its resilience to weather event
- Adaptation measures to improve the robustness of the whole system



International Cooperation - Need to reach a consensus on how to determine the impact of climate change impact on NPPs is a global issue that requires effective international cooperation

- Adaptation measures are not limited to engineering and adapting designs
- Regulations, whether safety standards or environmental and technological standards also have a clear role to play



The NEA plans to continue investigating this priority topic in the near future

Linking studies from 1/ objective sources of scientific information provided by the Intergovernmental Panel on Climate Change (IPCC) and the United Nations Environment Programme and 2/ analyses carried out by the best external risk assessment experts is vital to the success of consensual cooperative work