

Co-creation Activity: Scenario Development for Low Emissions Futures in Pakistan

Interactive Session at the Nexus Summit: Harmonizing Energy, Water and Agriculture Systems for a Low Emissions Future, March 07-08, 2024, organized by the Centre for Water Informatics & Technology at LUMS.

Time: 02:15 PM – 04:00 PM.

Date: March 08, 2024.

Venue: NICL Auditorium, Basement, SBASSE Building, LUMS.

Moderators:

- Dr. Muhammad Awais, Researcher, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria.
- Mr. Hassan Niazi, Post Masters RA, Pacific Northwest National Laboratory (PNNL), USA.

The scenario co-creation activity at the Nexus-Summit aims to gather input from relevant stakeholders on meaningful scenarios within the context of Pakistan's journey towards achieving net-zero emissions. The participants will be divided into groups and expected to work together on scenario development, identifying opportunities, anticipating challenges, and crafting strategies for low emissions future for Pakistan.

The discussions during the event will focus on the following points:

1. What current efforts is Pakistan employing to fulfill its NDC commitments? Is there an implementation gap, and what measures are needed to bridge it?
2. What strategies are necessary in the Water, Energy, and Land sectors for Pakistan to meet the 1.5 and 2.0 targets? Is there an ambition gap, and how can it be addressed?
3. Identification of transformative policies to accelerate climate action in Pakistan beyond NDCs and towards net-zero emissions.
4. What actions are needed to align and mainstream NDC, SDG, and NAP targets for Pakistan?
5. What are the potential economic, social, and environmental implications of low emission scenarios for Pakistan?

These discussions will generate key insights for the model development team at LUMS to create national mitigation scenarios for achieving net-zero emissions. Additionally, they will assist the team in identifying milestones, drivers, and barriers toward accomplishing this objective.