

# IEEE-NPSS School on Nuclear and Plasma Opportunities for Energy and Society



Contribution ID: 9

Type: **not specified**

## Effects of Climate Change on Under-represented groups and discussion, Harnessing Energy (including nuclear)

*Thursday 27 March 2025 11:30 (1h 30m)*

Climate change disproportionately affects under-represented groups, including low-income communities, indigenous populations, and marginalized regions. These groups often face greater exposure to extreme weather, food and water insecurity, and limited access to resources for adaptation and recovery. Socio-economic disparities, and historical injustices, often exacerbate these disparities. A critical aspect of climate mitigation is energy transition, including renewable sources and nuclear energy. While solar, wind, and hydropower offer sustainable solutions, nuclear energy provides a reliable, low-carbon alternative. However, concerns about waste disposal, safety, and social perceptions still persist. This lecture explores how climate change impacts under-represented groups, the role of diverse energy sources in climate mitigation, and strategies to ensure a just transition toward a sustainable and equitable future.

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