

Advanced Seminar for SES students

Date: 24.04.2025

Planning a resilient and sustainable electricity grid

Description:

A sustainable and resilient electricity grid is essential for the energy transition, economic stability, and security of supply. In this group assignment, eight students will each explore a different aspect of this complex topic. The aim is to develop a common overall understanding, communicated through eight individual contributions.

Each person prepares an independent 20-minute presentation on their specific aspect. The presentations should be coordinated to avoid overlaps and create synergies. The goal is a comprehensive view: ***What is needed to successfully plan a resilient and sustainable electricity grid?***

The following topics should be analyzed during the advanced seminar:

- Technological Infrastructure
- Renewable Energy and Grid Stability
- Cybersecurity and Digital Resilience
- Climate Change and Physical Resilience
- Regulatory and Political Frameworks
- Economic Feasibility and Financing
- Social Acceptance and Participation
- International Cooperation

General conditions:

- The maximum number of participants is limited to 8 students
- Registrations must be received by e-mail by 31.05.2025 by the supervisor
- A date for the kick-off event will be announced after the registration phase

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