



CROSS BOrder management of variable renewable energies  
and storage units enabling a transnational Wholesale market

## WP1, DISCUSSION SESSION WIEN



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# PURPOSE AND SCOPE



- Objective - provide an overview of the status of legislation and regulative framework as well as possible future developments on regional and national level
- The task is complex as the region consists of countries that are EU MS as well as Energy Community (EnC) contracting parties (CP)
  - Representing a specific part of Europe with different stages of structural reforms of energy sectors
  - EnC Serves as an example of extension of EU legal framework, rules and practices that bring closer countries aspiring for EU membership (WB6)
  - TSOs of the region working under ENTSO-E to fulfil technical requirements and participate in regional initiatives

- Investigate the regulative framework for implementation of the High Level Use Cases (HLUs)
  - CROSSBOW shall provide a set of feasible and innovative technical solutions and products for the HLUs
  - Solutions and products to be tested by project end-users (TSOs, producers, RSCI)
  - The implementation of the advanced solutions should enable and facilitate cross-border trade, efficiency and flexibility in use of all available energy sources, particularly renewable energy sources (RES) and storage facilities
  - Investigate regulatory barriers and enablers for implementation of the proposed solutions within the HLUs



# HIGH LEVEL USE CASES (HLUS)



- Regional Operation Centre
- Cross-border RES management
- Cross-border storage of RES output
- Distributed storage for system stability and energy quality control
- Virtual storage plants
- Transnational demand side management
- Hybrid RES dispatchable plants
- Cooperative ownership of flexibility assets
- Transnational ancillary and wholesale market