The long-term planning of energy systems with higher shares of variable renewable energy

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General energy planning framework

- Electrical Energy Law of Republic of Moldova Nr. 107, 27.05.2016, Art.34
  - TYNDP (1-st iteration)
- Renewable Energy Law Nr. 10, 26.02.2016, Art.9
- Energy Strategy of Republic of Moldova 2020

Main quantitative outputs

- **B2B**: station on the 400 kV OHL Vulcanesti (MD) – Isaccea (RO)
- **OHL 400 kV Chisinau (MD) – Vulcanesti (MD)**.
- **OHL 400 kV Balti (MD) – Suceava (RO)**
- **Interconnection of power systems of Ukraine/Moldova with ENTSO-E**
Moldova doesn’t calculate generation adequacy, therefore there are no special tools used for renewable energy development.

Generation:

- Energy Strategy of Republic of Moldova 2020
- PSS/E

Energy Strategy 2020 (MW)
32,34 MW Total renewables installed capacity
There is no massive integration of renewable sources although there is large scale interest

Renewables installed capacity (MW)

- Wind
- Solar
- Biogas

- Balancing and off-peak hour issues
- Reserve
- Compatibility with certificates and standards
- Static grid cod (small generations)
Thank you