

Electricity market modeling

Modeling of charging profiles and flexibility potential

- On federal states-level
- hourly resolution
- for different fleet types and charging locations

Dispatch

- Maximization of social welfare (optimization horizon: 14 days)
- Spatial extend: Austria and neighbouring bidding zones
- Renewable energy sources, thermal power plants, storages
- Electricity trading via interconnectors (NTC) between bidding zones
- *Smart charging*

Redispatch in Austria

- Minimization of redispatch costs (optimization horizon: 14 days)
- Austrian transmission grid represented by 17 nodes
- Congestion management
- Control of thermal power plants, storages und curtailment of renewables
- *Smart charging*