

Updates of flexibility markets

Montel Short-term power markets seminar 2024

Oslo, 28.08.2024



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Global drivers











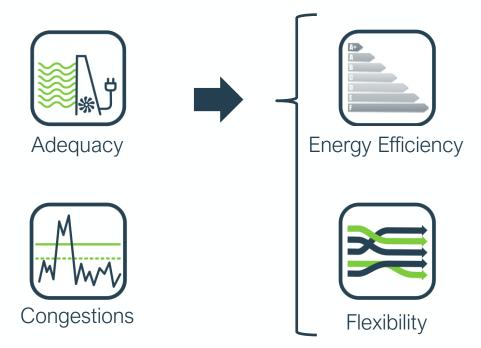






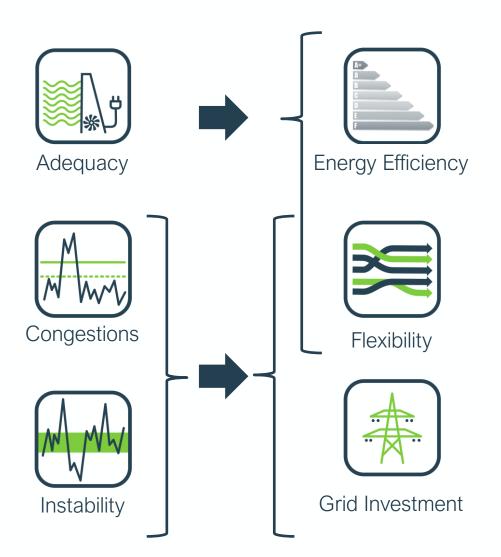




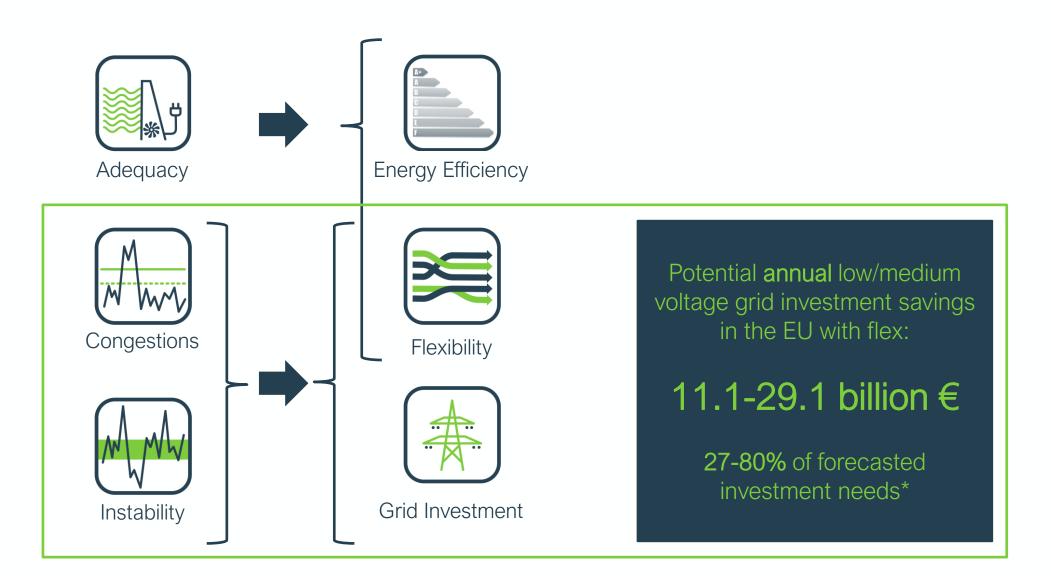












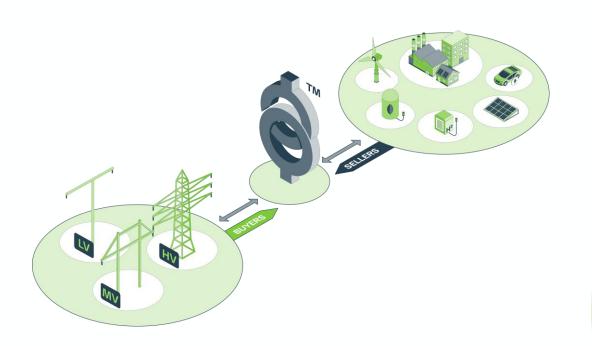
The role of a market



Provide visibility of scarcity in the grid!

Provide visibility of available flexibility in the grid!

Provide relevant price signals!



New digital flexibility value chain

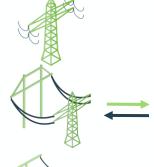


Network Operation

System Operation Market

Commercial Aggregation

Technical Aggregation





















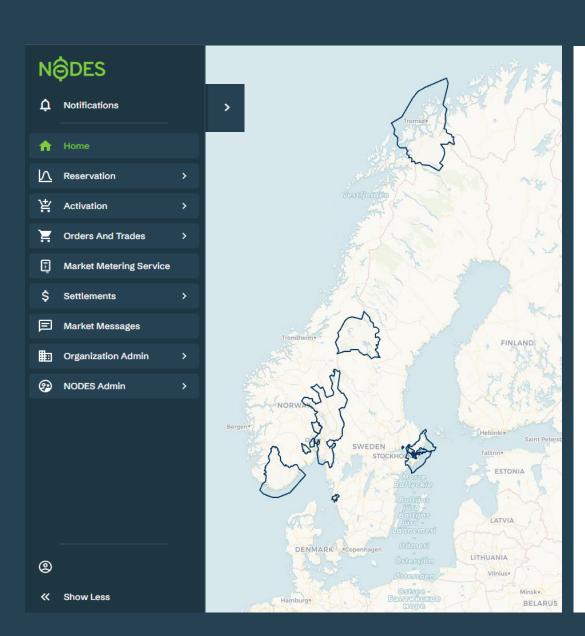
Buyer(s)



Sellers

NODES markets and research initiatives





- NorFlex & EuroFlex
- sthImflex
- **9** Jämtkraft Elnät
- **†** IntraFlex
- Mitnetz
- **†** Euniversal
- Opentunity
- SmartSenja
- **© CINELDI**
- FlexLab
- § Engene
- Ontario LEM
- **§** Essex PowerShare



















































EU Demand Response Network Code



Upcoming legally binding rules

- Scope
- Aggregation models
- Prequalification
- Flexibility register
- System Operator coordination
- **©** Local flexibility markets

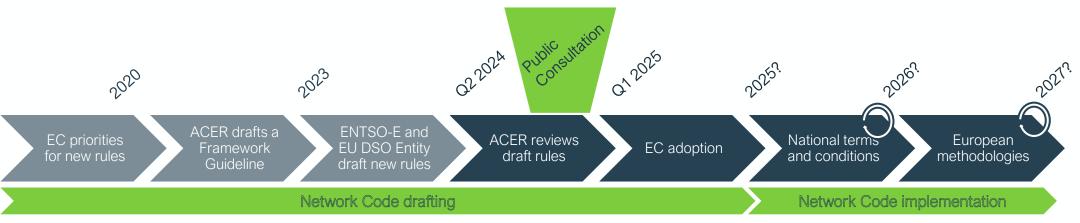


EU Demand Response Network Code



Main principles

- Technology neutral, adapt market rules to grant market access to Distributed Energy Resources (DER), including storage and aggregated resources
- § SOs to prefer flexibility procurement when economically viable
- Market based procurement
- Further details in national regulation and European methodologies

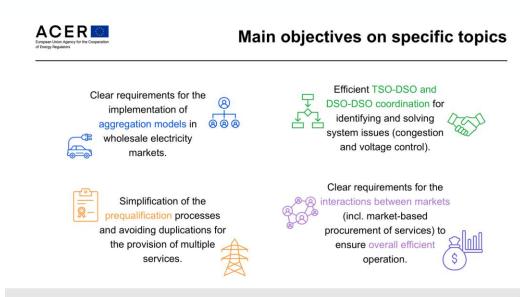




Make sure you can participate!



- ACER <u>consultation</u>
 on revised draft 5 September
 to 31 October 2024
- Some of the revised topics announced (revised draft not yet released)



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ACER <u>presentation</u> in MESC, 13 June 2024

NODES view:



No need to "wait for Brussels" – Action can be taken now



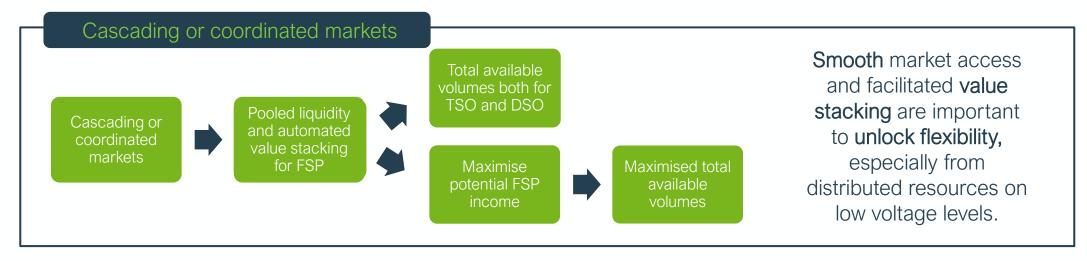
- ACER ...

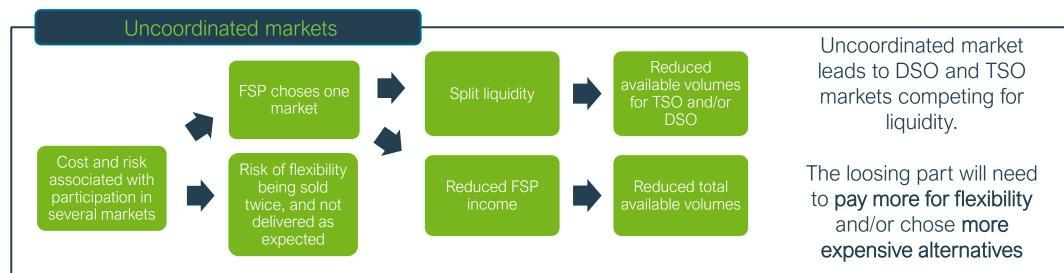
 European Union Agency for the Cooperation of Energy Regulators
- Christian
 Zinglersen,
 ACER Director,
 ACER webinar on
 market
 monitoring report
 19 january 2024

- © Get local flex markets started now
- Transparency through independent market operators
- Market based flexibility first
- Integrate local flex markets with wholesale markets

Market coordination: shared vs. split liquidity







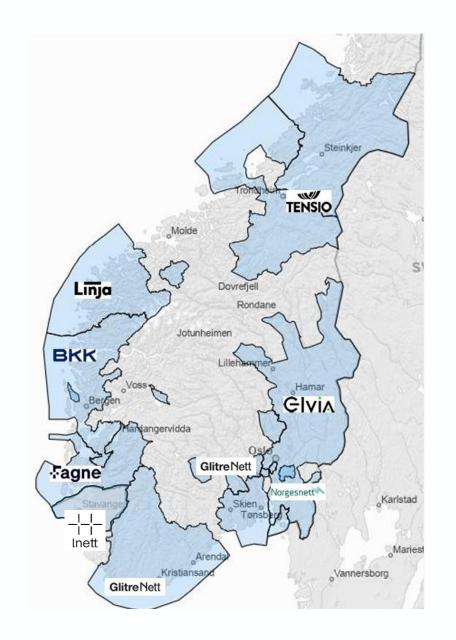
Euroflex

NODES

Building on NorFlex 2020-2023

8 DSOs from October 2024

Recruitment of Flexibility Service Providers (sellers) now



Flexibility markets evolve over time!







Jan 2021 - mid Mar 2023 8 # aggregators > 4,000 # assets 1,400 MW*h traded volume > 30,000 # trades 850 EUR/MW*h average price 1,190,000 EUR 1 kW*h 5.4 MW*h

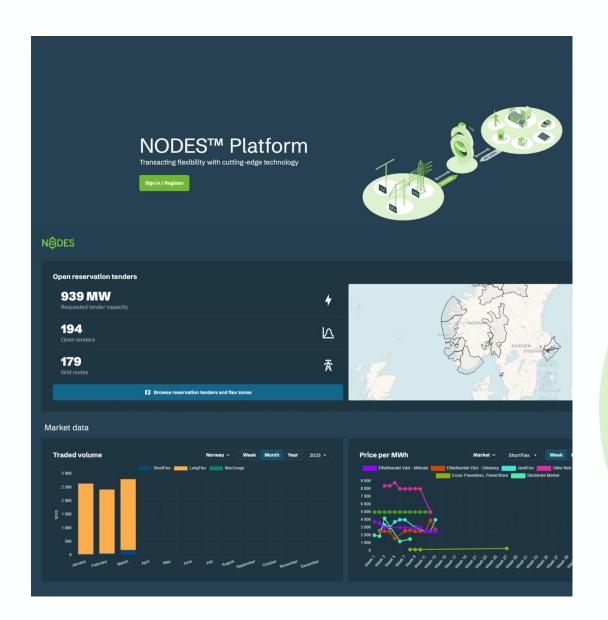
194 open reservation tenders for 939 MW



Prices above wholesale and balancing markets

Average price 850€/MWh (up)

- Growing volumes
- **©** Expanding market area







Thank you!