



CoordiNet

2nd Workshop on Flexibility Markets of the Future and TSO-DSO Cooperation

Session 1: How is the link to other markets organised?

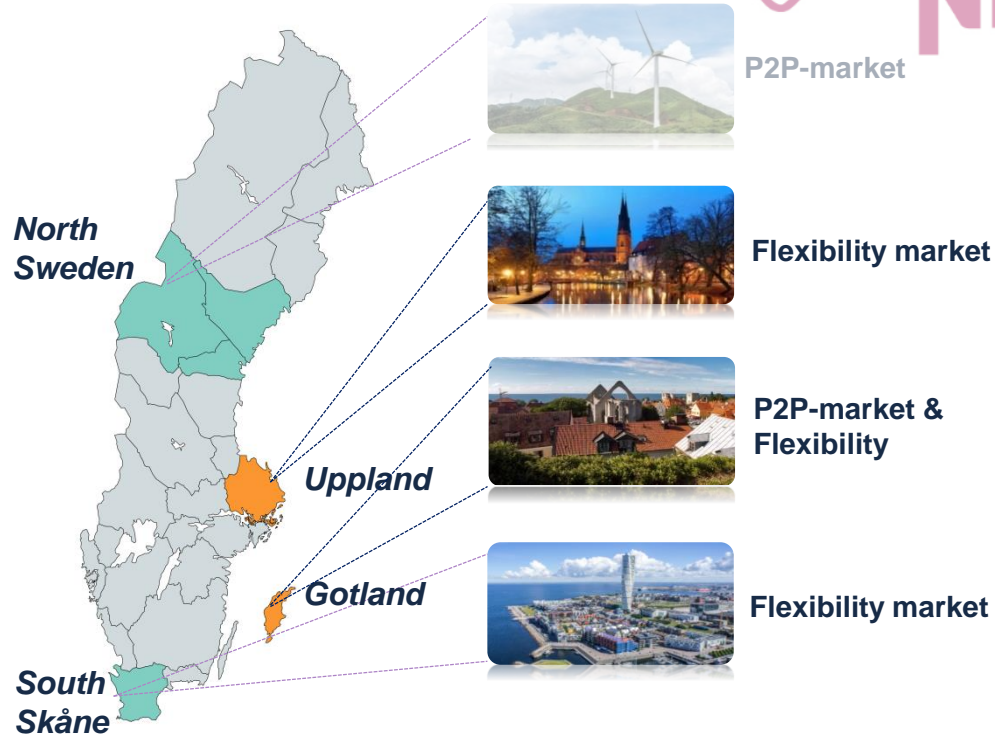
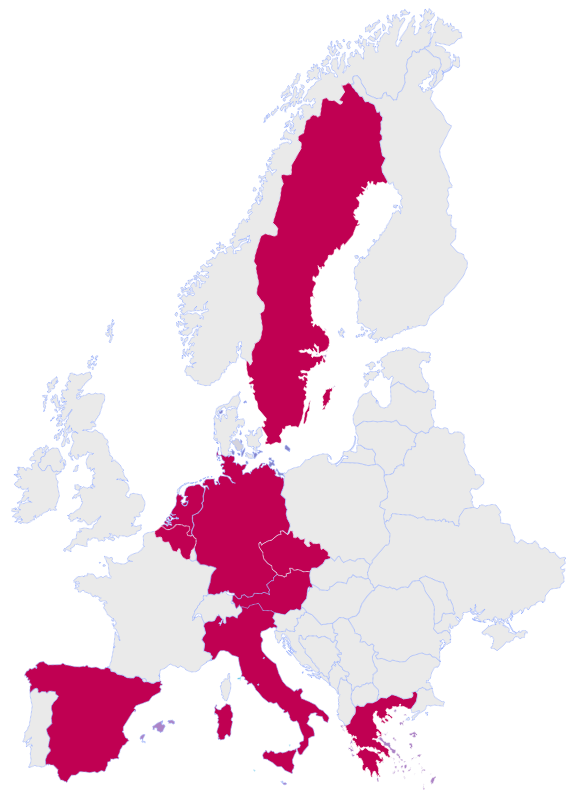
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Swedish Demo 1: Started Nov 19, covering three sites. To this date 2,5 GWh of flexibility traded

Market Chronology



Congestion mngt in sync with established energy markets

Day-
Ahead

Intra-Day

10:00

10:30

12:00

18:00

H-2

H-1

H-0,75

Delivery

Flex market
Local DSO's

Flex
market
regional
DSO's

Nordpool
Spot

TSO FCR
market
(not in
scope)

IntraDay
flex market

Nordpool ID

mFRR –
TSO market

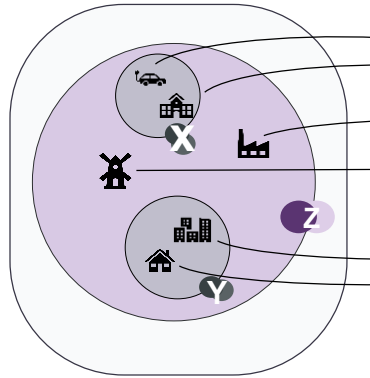


PILOT 1 (ongoing)
+ 2

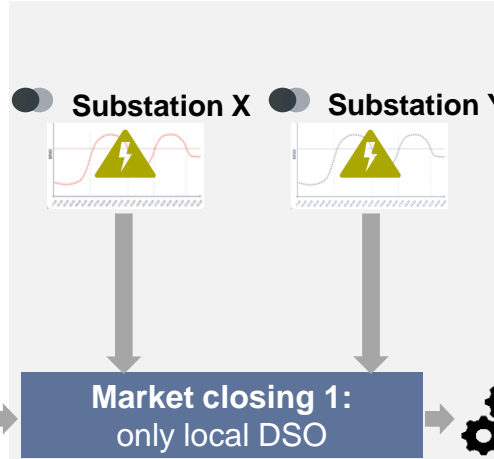
PILOT 2 (2020-2021)

Day ahead -Process flow: Local/regional DSO

- Interface DSO/TSO
- Interface DSO (L)/DSO (R)
- Bids



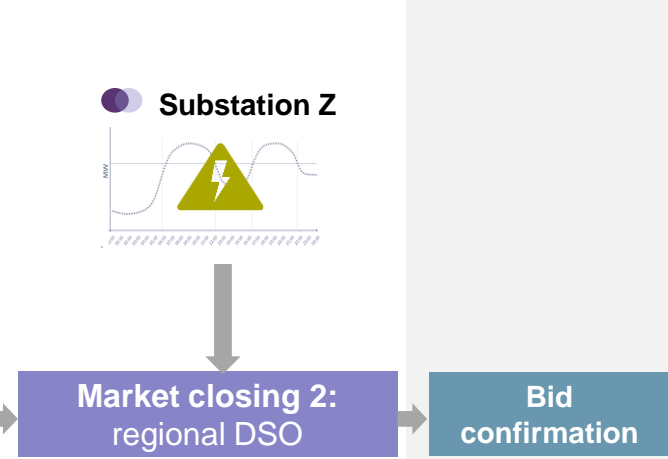
Send bids to platform



9:30

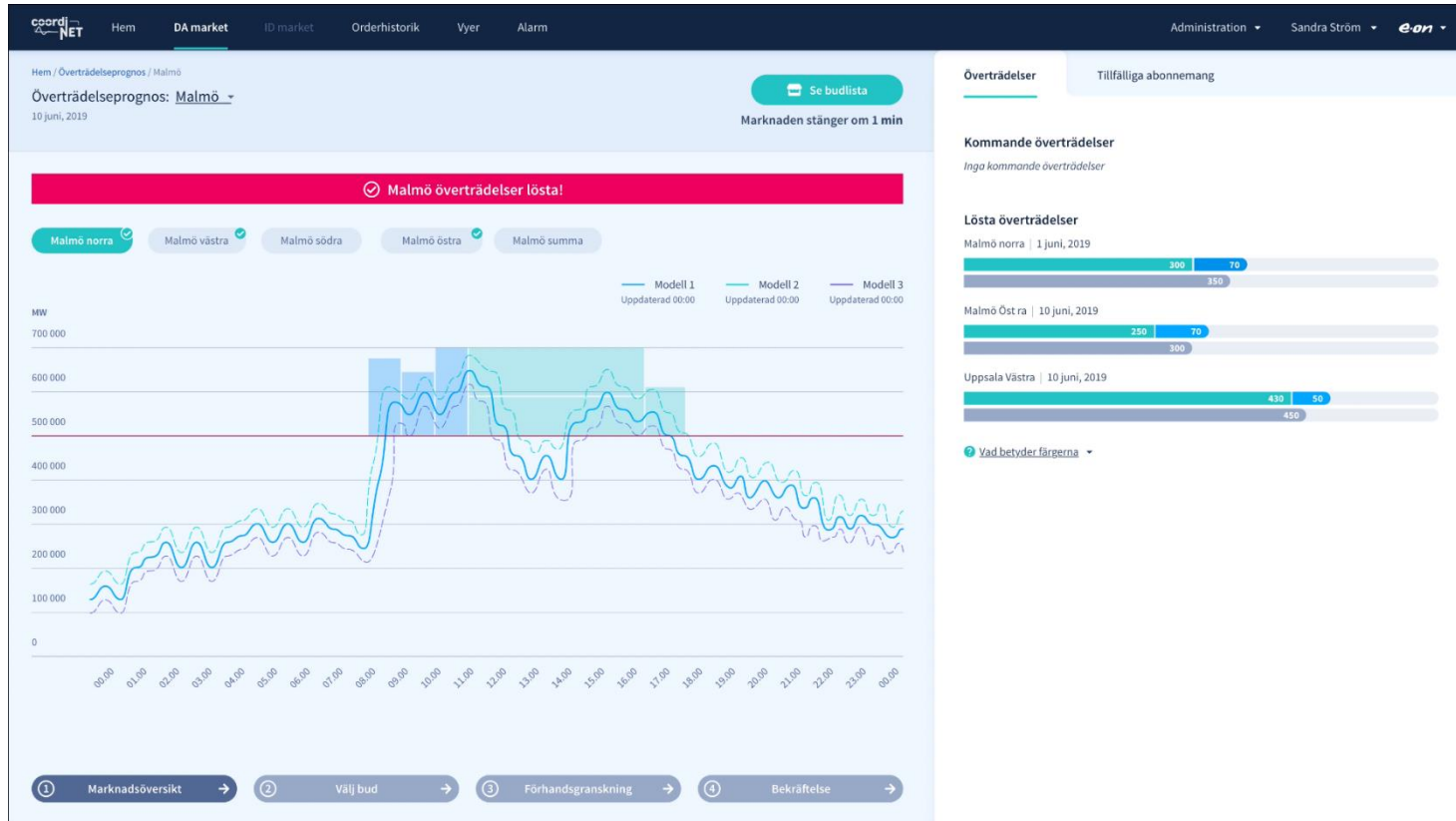
Algorithm for calculating remaining and activated flex

10:00

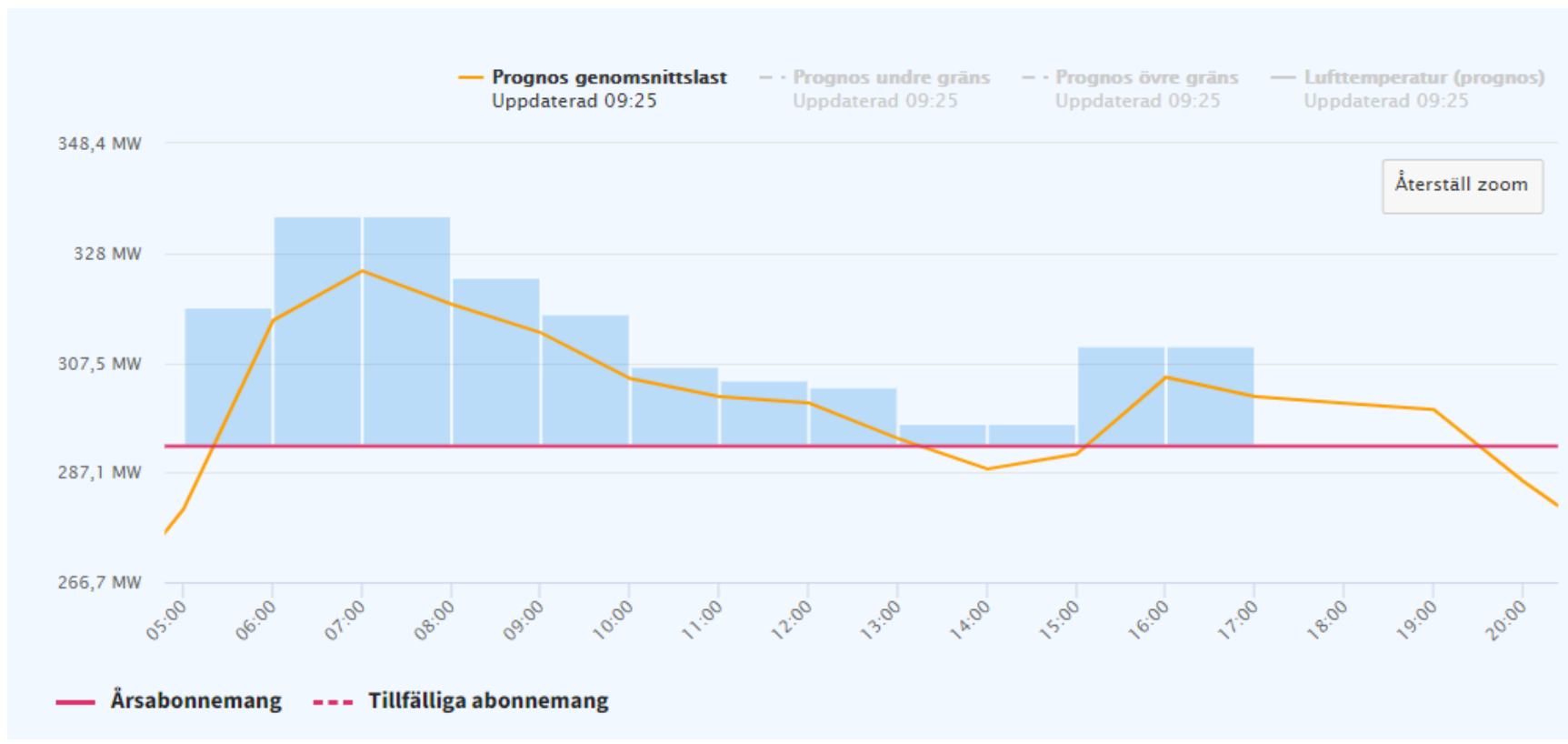


10:30

User interface, examples

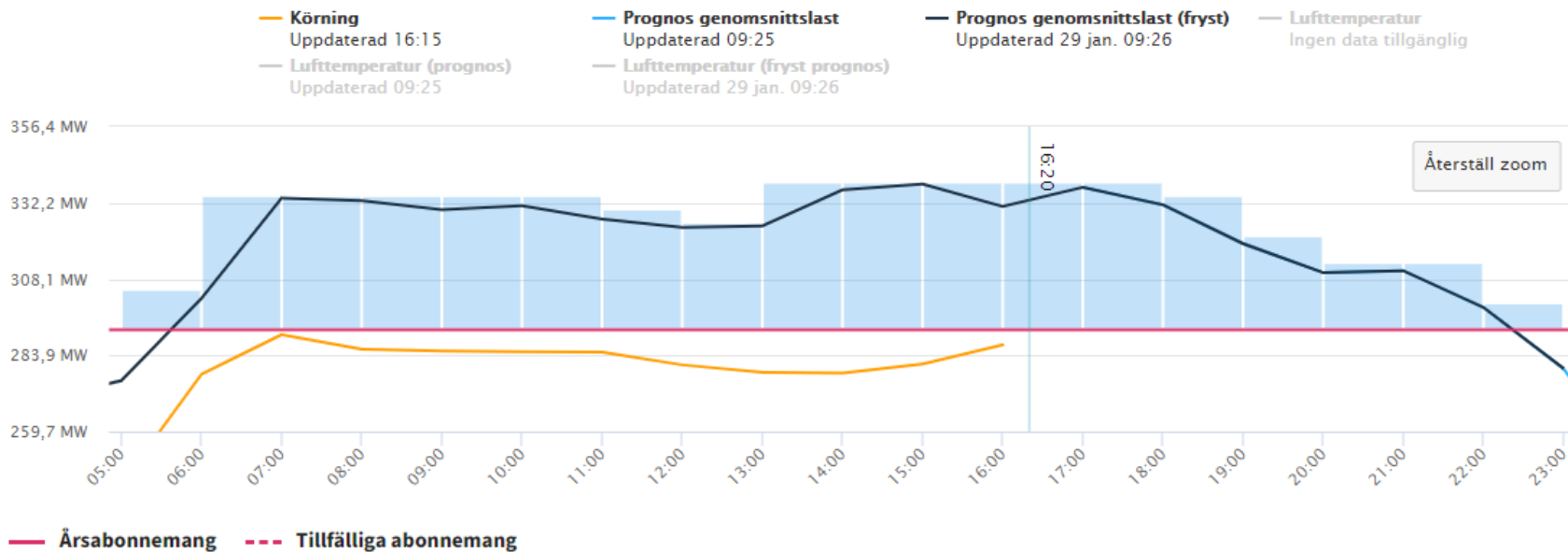


Solved Constraints #1

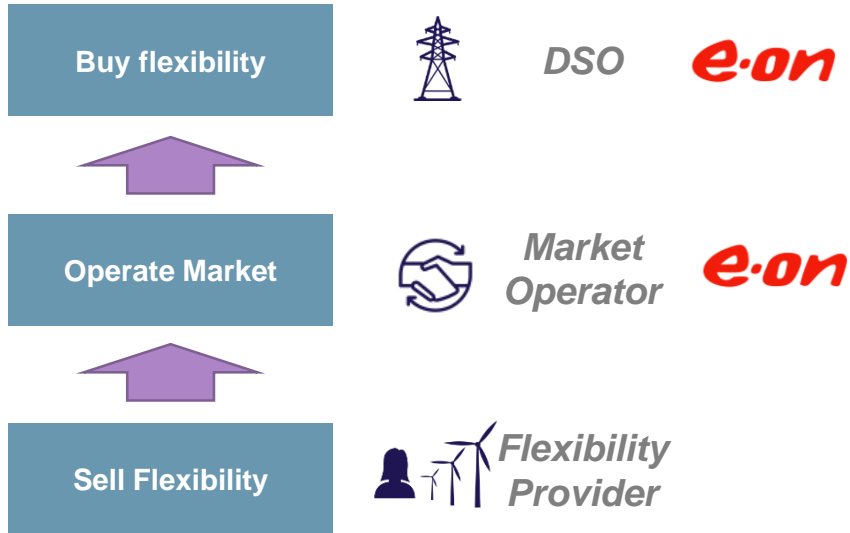


Solved Constraints #2

Intradag – 30 jan. 2020



Roles and regulation



E.ON Energy Network acting as Market Operator in CoordiNET demo:

- A gap in mindset, culture and WoW in place, in front of flexibility capabilities in DSO:s, hence the need to build platform within and iteratively*
- In demo 1, all local DSO:s run their own markets (setting prerequisites etc.)*
- A need to separate between technical and commercial platform operator?*

Thank you!