

GCSC

Wrapping up the

MATCHING SYMPOSIUM

 Kwetta

 Netbeheer
Nederland

Date: 2 June 2026
Time: 10:00-16:00
Place: Liander Duiven

 TU Delft
Delft University of
Technology

 TU/e
EINDHOVEN
UNIVERSITY OF
TECHNOLOGY

UNIVERSITY OF TWENTE.

 WAGENINGEN
UNIVERSITY & RESEARCH

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 ENEXIS
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 alliander

 STEDIN^{NET}

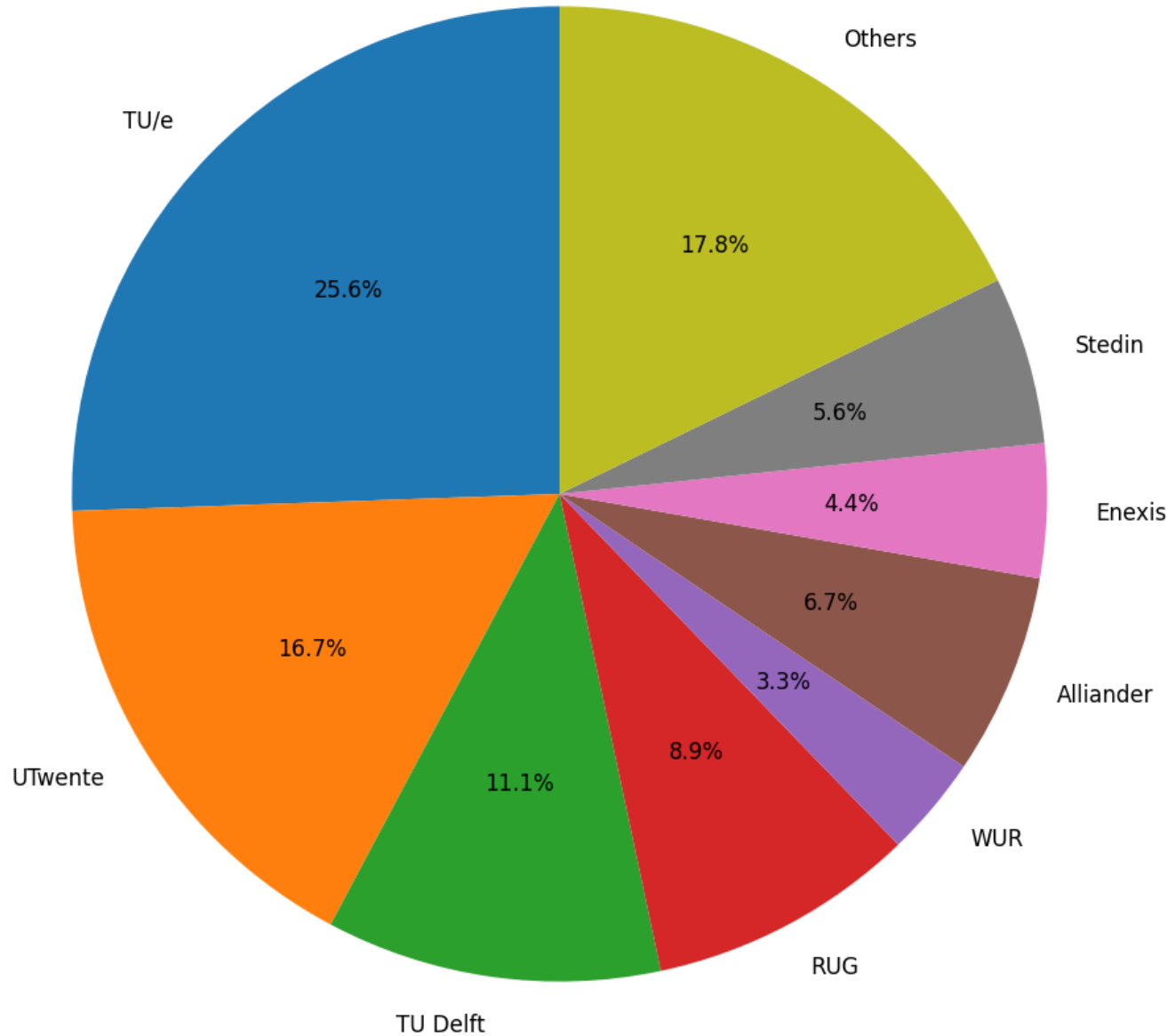
 VORTECH

 TNO



Topics:
Grid Congestion & Infrastructure
Flexibility in the Energy System
Energy Hubs

Participant Distribution by Organization



The roles of participants

- Professors (Assis. Assoc. Full)
- PhD students
- Postdoc
- strategic energy system planning
- grid/infrastructure expertise
- industrial innovation /implementation

- Industry clusters outdated? Brainport is not there!
- What is grid congestion? Why does it not go away? (in spite of e.g. ACM 'prioriteringskader')
- Most of congestion from TeNNeT
- Market is still towards “the larger, the better” and ignores buffering
- Work towards 'deelnetten' with “connection points” that can be stabilized
 - Who will pay for coordination?

- It is about behaviour. Compare with transition of the telecom grid.
 - Can behaviour be predicted?
 - Modeling price responsiveness of customers, but will self-consumption kill the model?
- If no modeling exists, what to do?
- Flexibility is more than batteries.

The question is not who makes the decision, but what is the danger of not making a decision at all?

Propositions

- Solve grid congestion by reducing power availability (power outage)
 - Maybe better cut-off certain appliances (privacy issues?)
- DSOs should become AI companies first, and grid operator second
 - Compare with public health services
 - What is the DSO's prime responsibility?
- We do not understand the effects of grid codes on a system level well enough
- Collective initiatives should be prioritized
 - Who will decide?
- Production grade open source as PhD baseline

Ik wil geen energie-expert zijn, ik wil concrete hulp bij mijn keuzes.

Actionable ideas on how DSOs and academia can strengthen their collaboration (ideas from Nuran C. Martin)

- Expert workshops, such as the ones organised by 4TU bringing together academia and industry;
- Creation of joint roadmaps for specific topics; and following roadmap diligently, showcasing success;
- Co-creation of research projects, and subsidy pathways
- Open source modelling jointly, collaborating on model development
- Fellowship/ company representatives as ambassadors between academia and industry/ guest lectures, workshops
- (M.Sc.) student internship, joint supervision/ industrial Ph.D.

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Contact us today!

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