



Energy Innovation Summit
Modeling Meets Optimization

Energy Innovation Summit

24 - 26 · June · Berlin



GUROBI
OPTIMIZATION



**Open
Energy
Transition**

from the creators of PyPSA meets Earth







5th Energy innovation Summit Modeling meets Optimization

24-26 Berlin 2025

Auditorium Friedrichstrasse

Frank Häger

Director Energy, Gurobi
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Gurobi Optimization by the Numbers



2008

founded by

Zonghao **Gu**

Ed **Rothberg**

Bob **Bixby**



40+

Serving Industries

Power & Utilities is
largest sector

Europe is leading in
Energy!

45+

PhDs on Staff

1,200+

Customers

The Summit by the Numbers – Attendee statistics



>200 Participants
(160/180/150)
Day 1/2/3



24+8
Presenting Companies + Exhibitors

33 Presenters

75 PyPSA

105 Gurobi

29 Business meets Opti

29 -> 23
Countries registered -> confirmed

The Summit by the Numbers – Topics of Interest



Topics Most Interested In

	Votes	Should attend	
Integrating optimization techniques into energy models	165	Gurobi Workshop	19%
Scenario building & assumption changes	133	PyPSA Workshop	15%
Uncertainty & stochastic modeling	123	Gurobi Workshop	14%
Computational challenges & solver efficiency	121	Gurobi Workshop	14%
Coupling power systems with other sectors (heat, transport, etc.)	112	both	13%
Open-source vs. commercial modeling approaches	91	PyPSA Workshop	10%
Interoperability (different open-source and/or commercial tools applied together)	72	PyPSA Workshop	8%
Policy and regulatory use of energy models	70	Both	8%



Experience level with Energy System Modeling

Advanced (Work with modeling regularly and contribute to projects)	69
Expert (Develop models and methodologies for research or industry)	66
Intermediate (Have used some tools, but want to deepen my skills)	53
Beginner (Curious, but no hands-on experience)	13
(blank)	24
Unique	232




Leveraging Optimization and Modeling

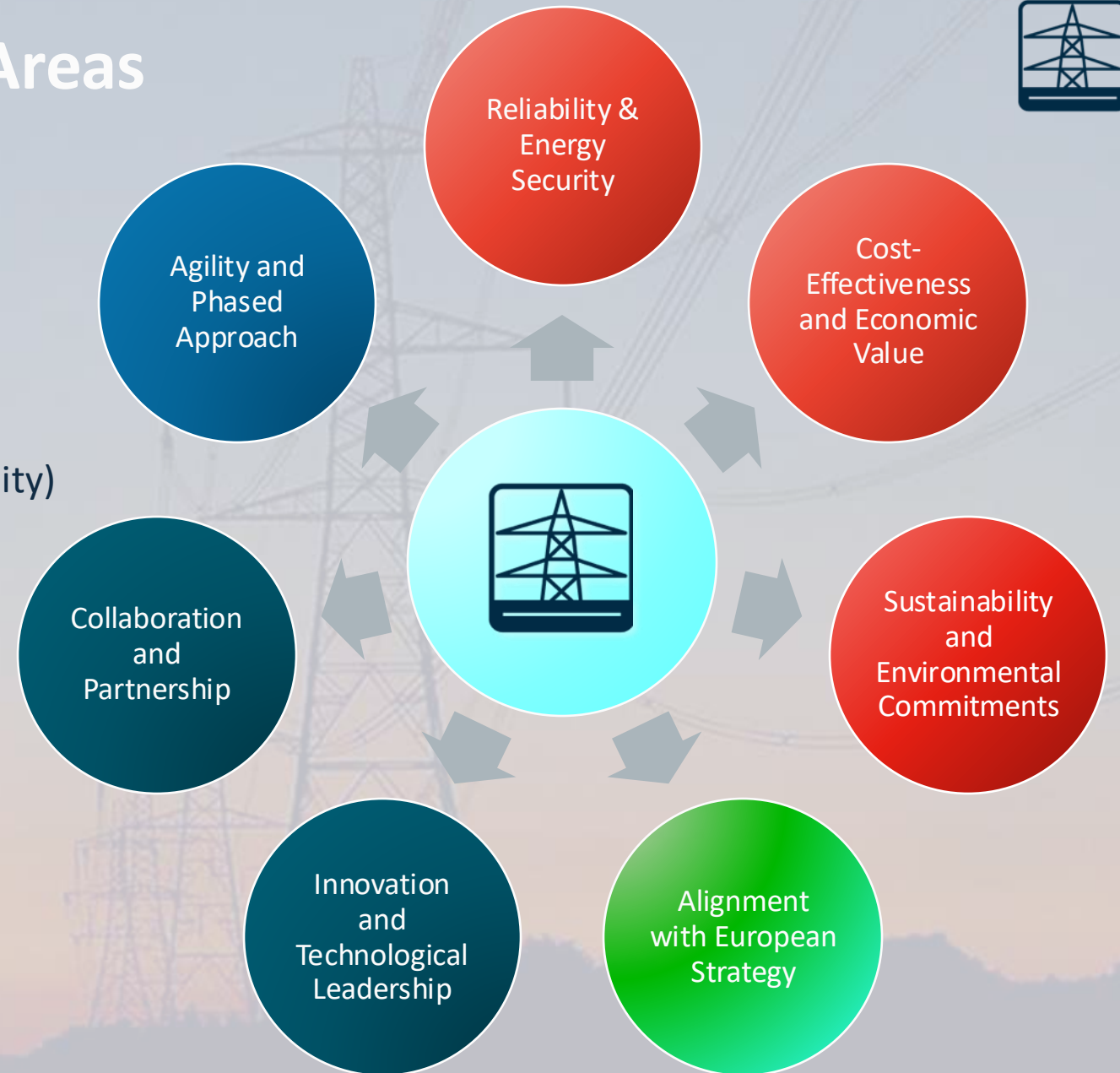
Actively developing models or applications	95
Fully integrated into our operations	73
Exploring options	25
Not at all	3
(blank)	36
Unique	232

Selected Decision-Making Areas

when we prepared the Summit



-  Addressing the Energy Economic Trilemma
-  Respecting Climate Goals & Regulations
-  Achieving Leadership (Partnering, Community)





Together.

Let's power the Energy Transition!

Modeling meets Optimization

- **Day 1: Advancing the Energy Transition through Modeling & Optimization**
- **Day 2: Deep Dives with Breakouts**
- **Day 3: Innovations in Power Grid Regulation, Optimization & Operational System Planning**



Organizations contributing to the Summit 2025







Despina Jegeni
Marketing
Event Manager

Event Organization



Frank Häger
Director Energy

Business Event
Host

Meet the Gurobi Event Team at the Energy Innovation Summit



Dr. Lennart Lahrs
Technical
Account
Manager

Trainer & Technical
Event Host



Dr. Matthias Miltenberger
Manager of
Optimization
Support

Trainer,
Optimization Track



Dr. Christine Tawfik
Optimization
Engineer

Trainer,
Optimization Track



Dr. Oliver Bastert
CTO

Keynote



Dr. Robert Luce
Principal
Developer

Trainer,
Optimization Track



Dr. Hassan Hijazi
Senior
Developer

Trainer,
Optimization Track



Dr. Jaromil Najman
Senior
Developer

Trainer,
Optimization Track

Meet more of the Gurobi Team at the Energy Innovation Summit



Anisa Berberi
Director of
Sales - EMEA



Dr. Sonja Mars
Vice President of
Support



Tim Reintgen
Account
Executive



Tim Donkiewicz
PhD Student
(InnOpTEM)



Sean Merz
Account
Manager



Milos Pavlovic
Sr. Account
Director



Oliver Gaul
PhD Student
(InnOpTEM)



Jason Morris
Account
Director USA



Meet Open Energy Transition at the Energy Innovation Summit



Dr. Maximilian Parzen
CEO & co-founder



Keynote Speaker

Dr. Martha Maria Frysztacki
Head of Energy System Modeling & co-founder



Hazem Abdel-Khalek
Head of Modeling Tools and Data & co-founder



Workshop Host

Dr. Harry van der Weijde
Head of Research and Market Development



Trainer, PyPSA modelling track

Dr. Ekaterina Fedotova
Project Manager: Climate & Energy Modeling



Trainer, PyPSA modelling track

Priyesh Gosai
Energy System Modeler and Training Coordinator



Trainer, PyPSA modelling track

Dr. Daniele Lerede
Energy System Modeler



Andreas Hernandez Denyer
Junior Data & Energy System Modeler

Energy Innovation Summit 2025

24-26 June

Berlin

Gurobi Optimization x Open Energy Transition



Special Contribution

Setting the Scenes on Day 1 & 3



Dr. Martha Frysztacki
Co-Founder of Open Energy Transition

Co-Host



Dr. Oliver Bastert
CTO, Gurobi

Co-host



Dr. Jonasz Staczek
Postdoctoral Fellow, TU Nürnberg

Moderator Day 1



Dr. Philipp Härtel
Senior Scientist Operations Research, Fraunhofer IEG

Moderator Day 3



Prof. Antonio Frangioni
Professor, University Pisa

Special Keynote Day 1



Alice Jackson
Vice President of GRIDS, Breakthrough Energy