

BEST PRACTICE WEBINAR

14 OCTOBER 2025 | 14:30 - 16:00 CEST

Mapping THE FUTURE

PLANNING ENERGY INFRASTRUCTURE WITH SPACE AND NATURE IN MIND

RENEWABLES
GRID INITIATIVE
**ENERGY
& SPACE**



Co-funded by
the European Union

Renewables
Grid Initiative

NESO
National Energy
System Operator

50hertz
| E.ON Group

WELCOME TO *our webinar*

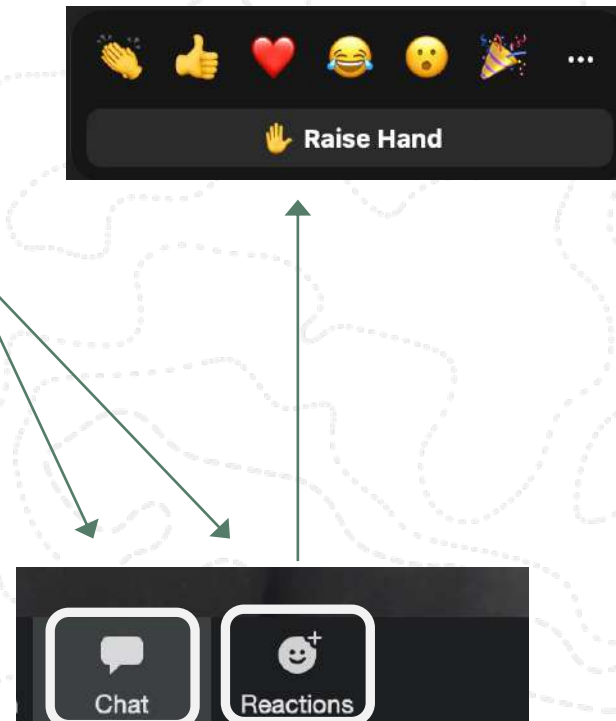


Andrzej Ceglarz

Director – Energy Systems
Renewables Grid Initiative
MODERATOR

Housekeeping

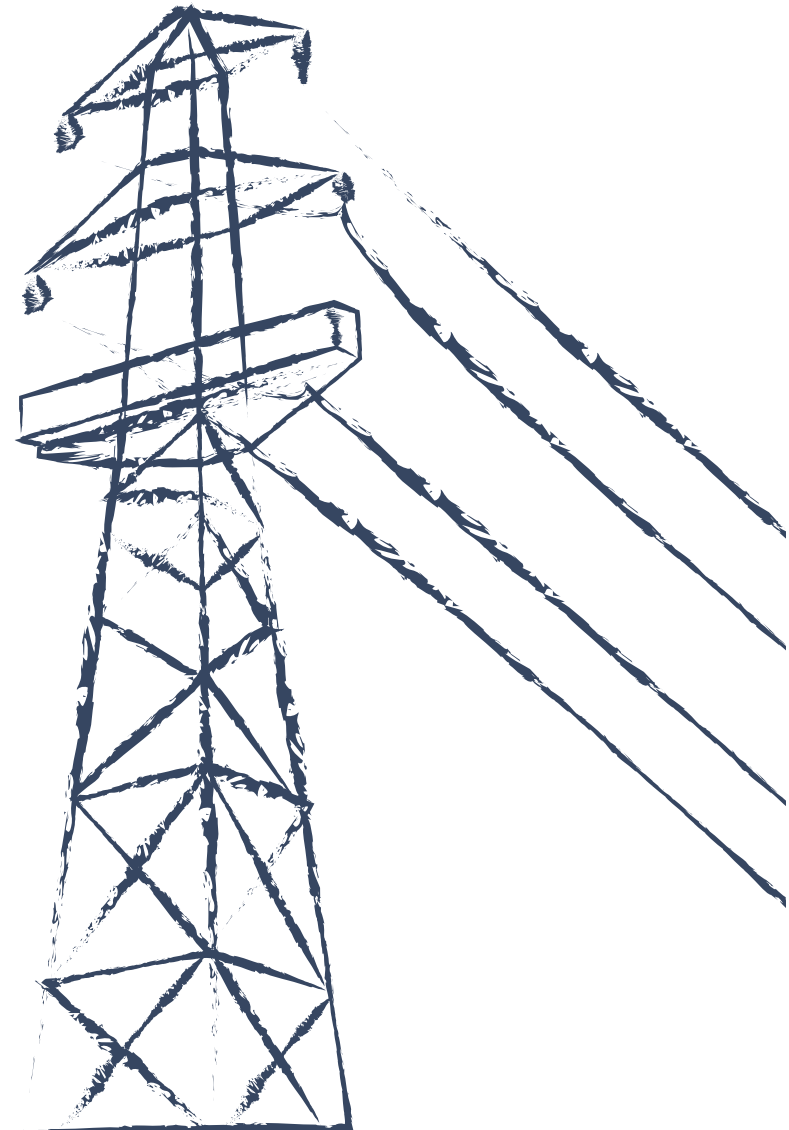
- This webinar is recorded and will appear on the RGI website and YouTube channel
- Camera on, microphone off 
- Rename yourself to “Name, Organisation”
- If you have a question do the following:



Agenda for today

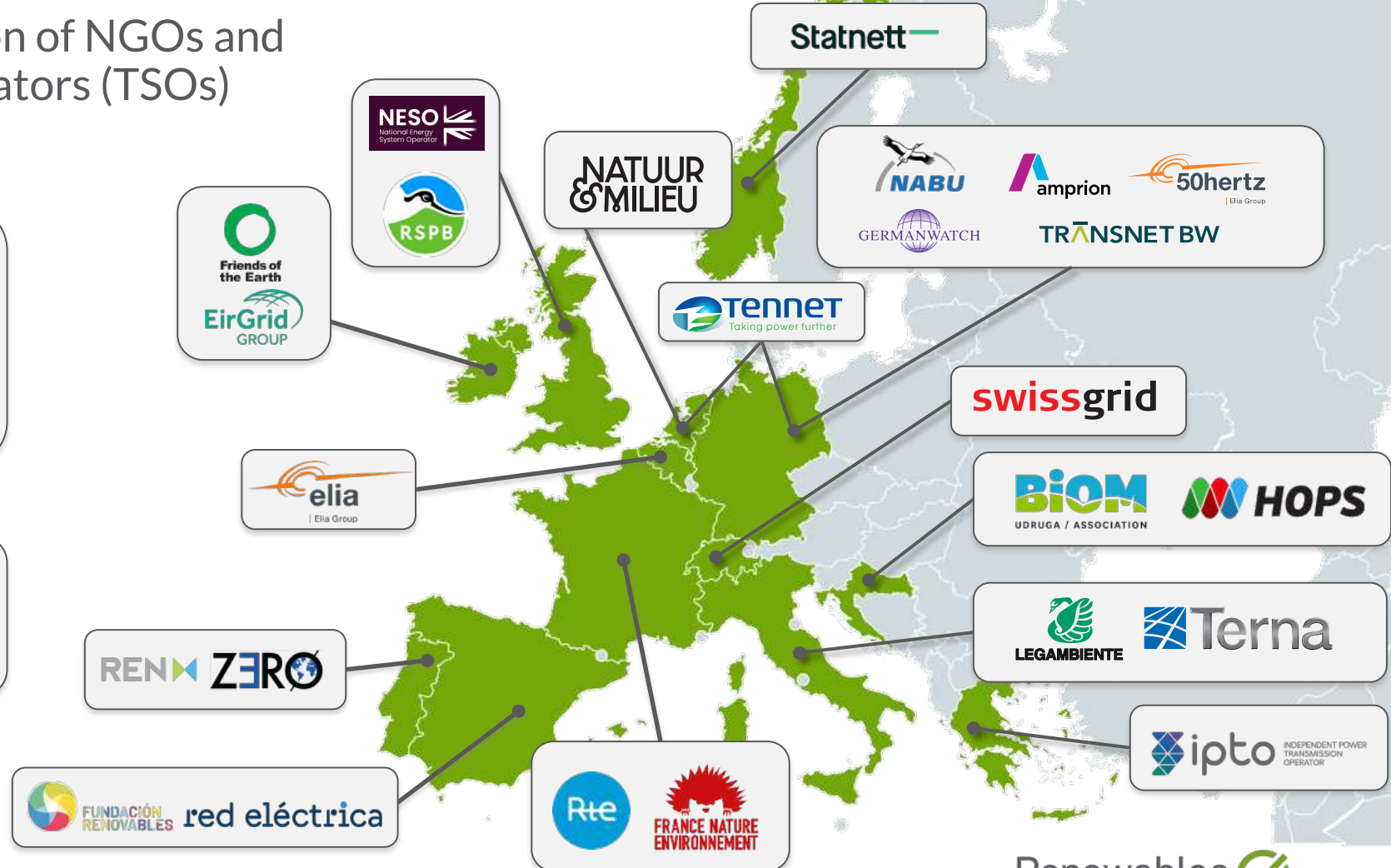
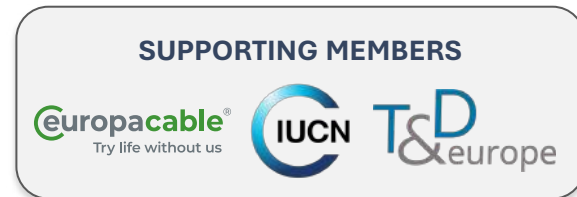
14:30	WELCOME AND SETTING THE SCENE Andrzej Ceglarz, Renewables Grid Initiative
14:40	STRATEGIC SPATIAL ENERGY PLAN (SSEP) METHODOLOGY Alice Etheridge, NESO
15:00	HOLISTICALLY PLANNING OFFSHORE INFRASTRUCTURE Felix Jakob Fliegner, 50 Hertz
15:10	Q&A SESSION Moderated by RGI
15:55	WRAP-UP Andrzej Ceglarz, Renewables Grid Initiative

Renewables GRID INITIATIVE



Renewables Grid Initiative

RGI is a unique collaboration of NGOs and Transmission System Operators (TSOs) from **across Europe**



How is our work structured?

As a solutions-driven organisation with focus on the electricity infrastructure implementation. We foster knowledge exchange, discussions on the needs of grid infrastructure, and best practices sharing within **three dimensions**:

GRIDS & ENERGY SYSTEMS

We enable discussions on how to **model, plan and implement** decarbonised and optimised clean energy systems, including different voices in the process.

ENERGY & NATURE

We ensure energy systems both onshore and offshore are developed in **coherence with nature and biodiversity**, promoting mitigation, enhancement and restoration measures.

ENERGY & SOCIETY

We include and engage **citizens, civil society and policymakers** on strategies towards full decarbonisation, building capacity on the role of grids within the energy transition.

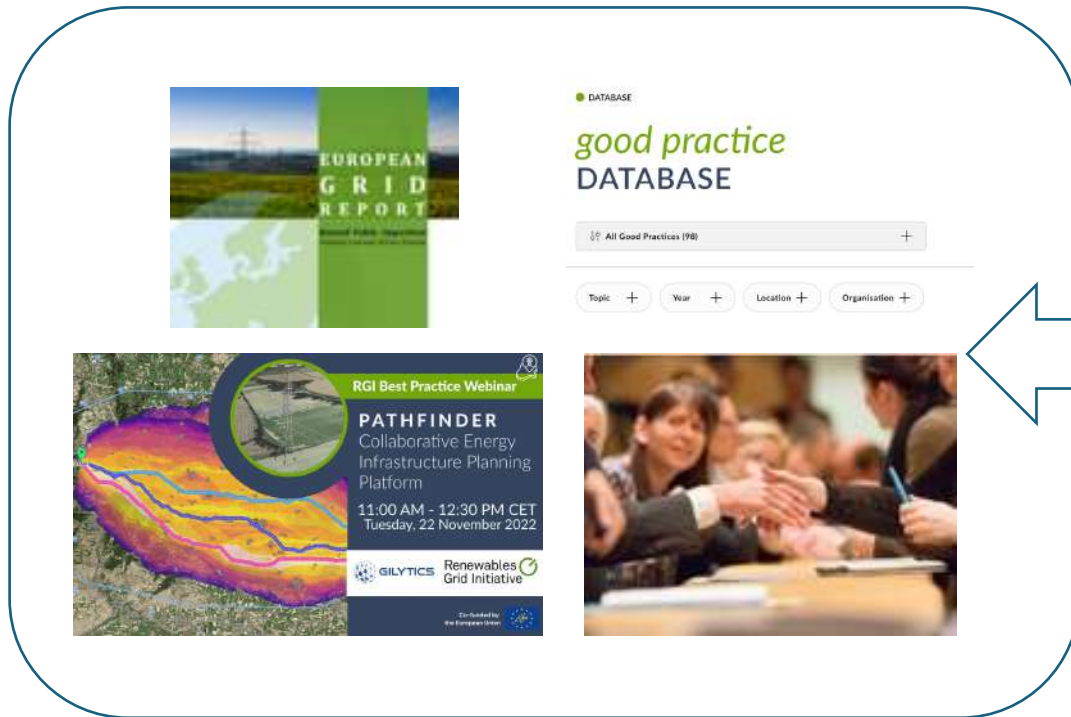
Sharing best practices

SHARING EXPERIENCES WORTH REPLICATING

Collecting
practices

and

talking about
them



Our technical dimension

Aims at exploring challenges and opportunities related to planning, design and implementation of a **carbon-free and optimised energy system**, with a central role given to **electricity grids**.

WORKSTREAMS

01

ENERGY SYSTEM
OPTIMISATION

02

CIRCULARITY & SUPPLY
CHAINS

03

CLIMATE ADAPTATION &
RESILIENCE

04

SPATIAL OPTIMISATION

WHY ADDRESS *Spatial optimisation?*

Space is a limited and precious resource that suffers from competition between important land and sea uses beyond electricity grids, including:



Biodiversity protection and restoration



Renewable energy infrastructure deployment



Urban and suburban development



Agriculture



Shipping



RGI'S WORKSTREAM

spatial optimisation

27 September
2023



Public Workshop
Energy & Space

27 September
2023



Summary Report &
Interactive tool

Feb-March
2024



Factsheet & video
Summarising findings

February
2024



Discussions on
Acceleration & permitting

July
2025



Expert Workshop
On Integrated Offshore Energy Planning

Holistic approach FOR ENERGY SYSTEM PLANNING

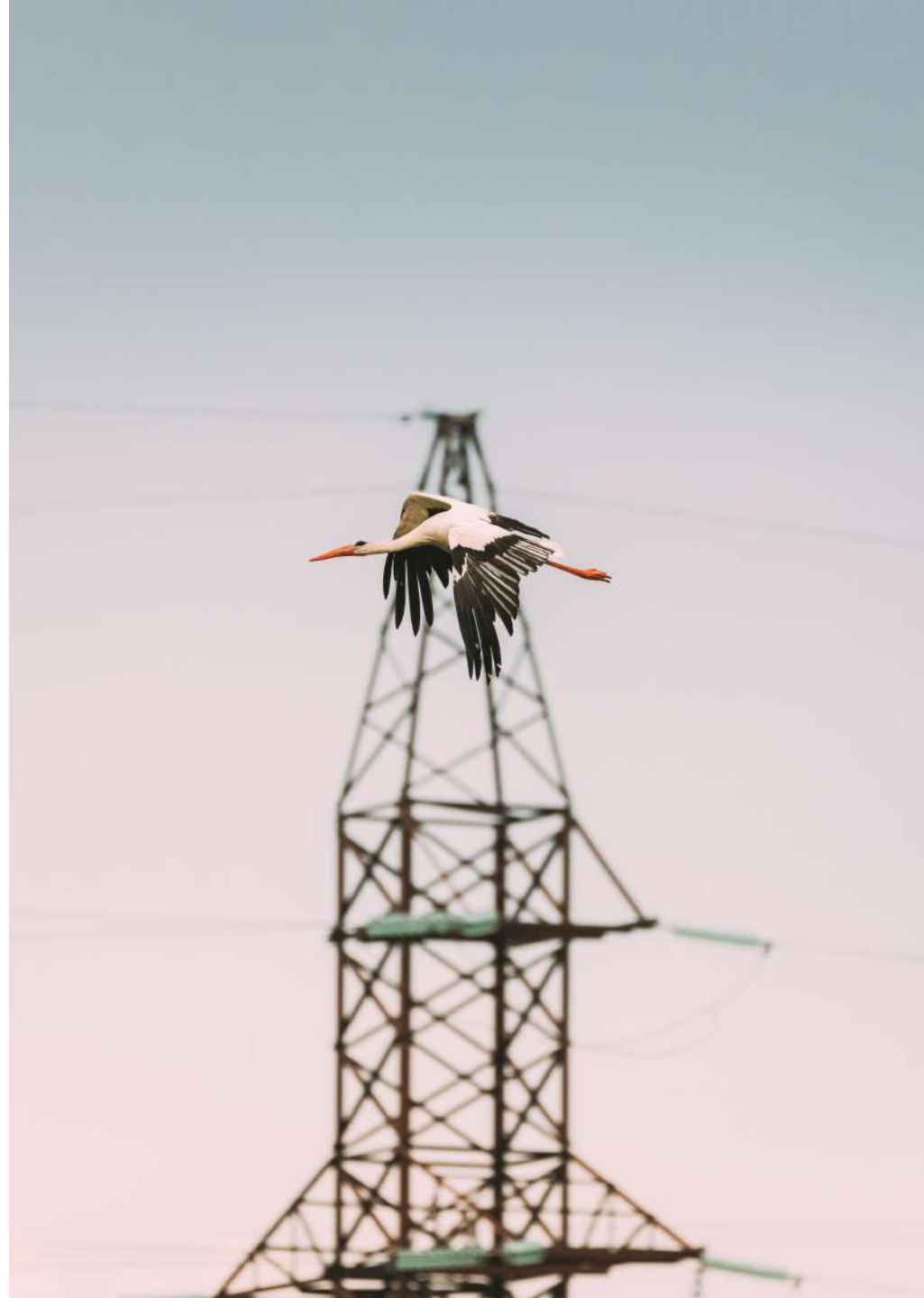
To address the challenge of space, we need **innovative and integrated approaches** on how we plan our future, decarbonised energy systems:



Moving beyond isolated and project-based approaches to holistic planning that considers **spatial constraints from the beginning**



Planning efforts must take the **interests of communities and ecosystems** into account to ensure a just process that benefits all



Thank you!

LET'S KEEP IN TOUCH!



sign up to our
NEWSLETTER

renewables-grid.eu/newsletter



stay tuned for
**THE PRESENTATIONS &
RECORDING ON OUR WEBSITE**

BEST PRACTICE WEBINAR
**Mapping
THE FUTURE**

Renewables
Grid Initiative

NESO
National Energy
System Operator

50hertz
| Elia Group