

Circular Wind

SECURING THE ENERGY TRANSITION THROUGH CIRCULARITY

BEST PRACTICE WEBINAR



Renewables
Grid Initiative



JUST
WIND
4 ALL



Co-funded by
the European Union





Welcome to our webinar!

PLEASE ANSWER THE ZOOM POLL




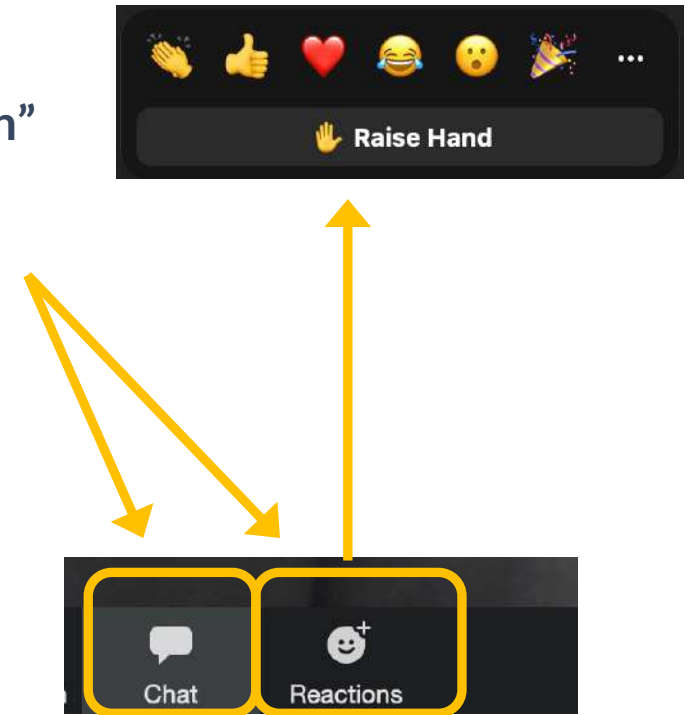
HOUSEKEEPING



Andrzej Ceglarz
Director – Energy Systems
Renewables Grid Initiative

MODERATOR

- 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:



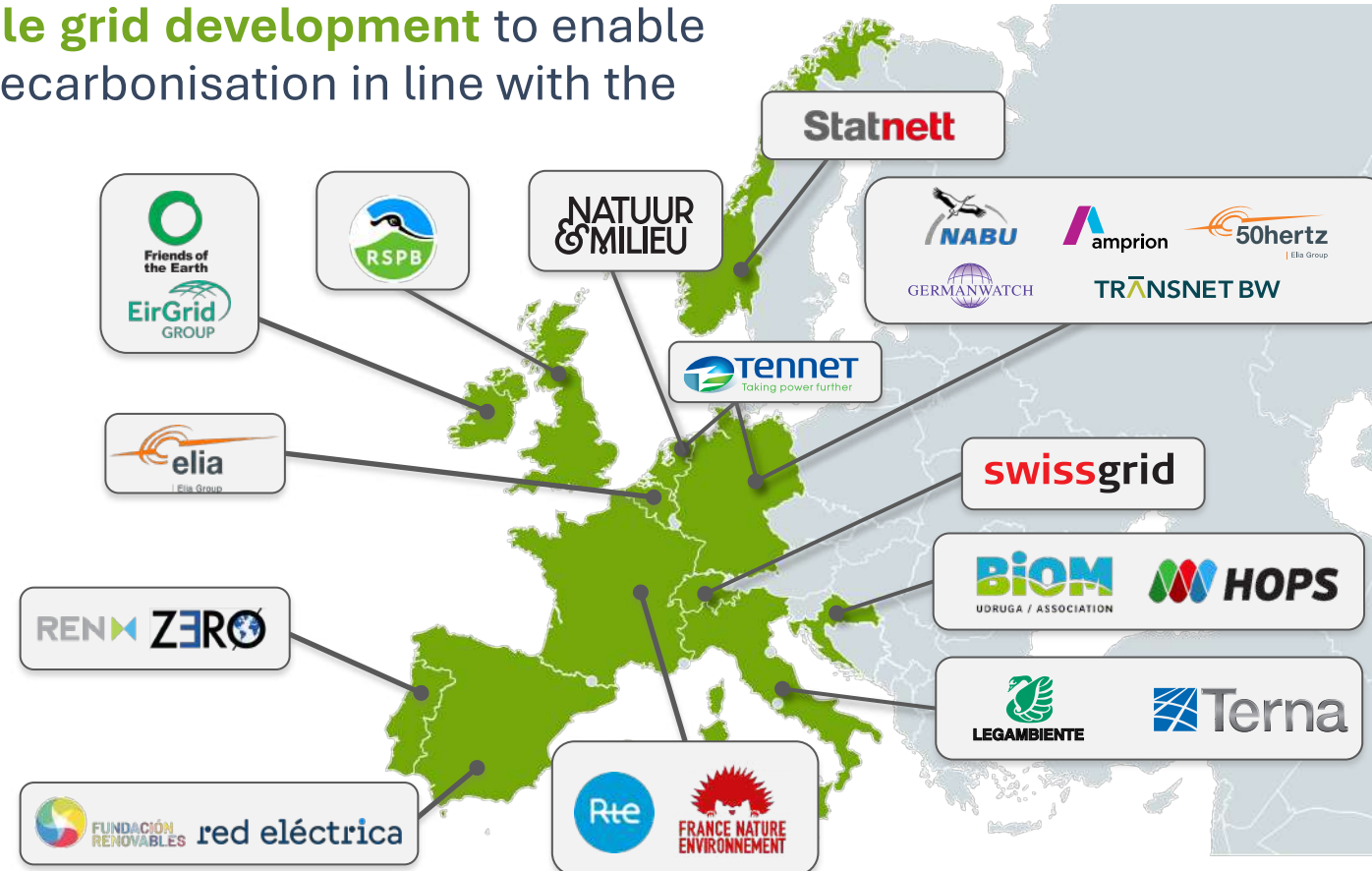
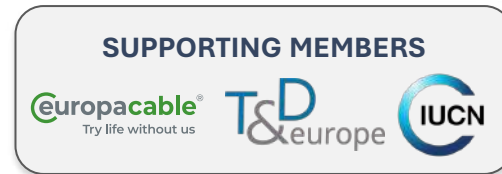
WEBINAR AGENDA

14:30	WELCOME AND SETTING THE SCENE Renewables Grid Initiative
14:40	BEST PRACTICES: CIRCULARITY IN THE WIND INDUSTRY Renewable Parts
15:00	INDUSTRY PERSPECTIVE: CHALLENGES AND NEEDS SSE Renewables
15:10	Q&A SESSION Moderated by RGI
15:55	WRAP-UP Renewables Grid Initiative

ABOUT RGI

RGI is a unique collaboration of NGOs and TSO from across Europe engaging in an energy transition ecosystem-of-actors.

We promote **fair, transparent, sustainable grid development** to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.



HOW IS OUR WORK STRUCTURED?

We foster knowledge exchange, discussions on the grid infrastructure needs, and the implementation of best practices within **three dimensions**:



TECHNICAL

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



ENVIRONMENTAL

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



SOCIAL

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.

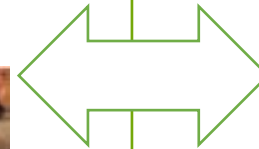
SHARING BEST PRACTICES

Sharing experiences worth replicating

Collecting
practices

and

talking
about
them



OUR TECHNICAL WORK

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

SPATIAL OPTIMISATION AND
ENERGY SYSTEM PLANNING

02

DECARBONISATION OF LARGE
ENERGY CONSUMERS

03

ADAPTING TO CLIMATE CHANGE
AND SCARCITY: RESILIENCE
AND CIRCULARITY

04

HOLISTIC PARTICIPATORY
APPROACHES

WHY CIRCULAR WIND?



Tripling renewables until 2030, **42,5%** of RES in the EU's overall energy consumption by then.

By 2050, wind energy is expected to provide between **50-58%** of overall power consumption in the EU.



This will require tremendous investments, while **challenges** related to **resource scarcity**, **disrupted supply chains**, **increasing costs** and **global competition** are becoming more prevalent.



Implementing measures of **reusing, repairing, refurbishing and recycling** of existing energy infrastructure can reduce environmental pressure, increase the security of supply, and provide societal benefits.



JRC SCIENCE FOR POLICY REPORT

Supply chain analysis and material demand forecast in strategic technologies and sectors in the EU – A foresight study

Camara, S., Bobba, S., Blagoeva, D., Alves Dias, P., Cavalli, A., Georgiev, K., Groh, M., Iul, A., Kuzov, T., Latunussa, C., Lyons, L., Malano, G., Maury, T., Piner Alos, A., Samers, J., Telling, T., Veith, C., Wittermer, D., Black, C., Pennington, D., Christou, M.



EUR 31437 EN

Study on the Critical Raw Materials for the EU

2023

Final Report



Raw Materials

JustWind4All



JUST
WIND
4 ALL



IN COLLABORATION WITH OTHER RGI TEAMS: **ENERGY & NATURE**  **ocean**
Offshore Coalition for Energy and Nature



JustWind4All aims to support the acceleration of on- and offshore wind energy through **just** and **effective** governance.



Combining social-ecological holistic impact assessment with techno-economic modelling to assess a variety of **social**, **environmental**, **technical**, and **economic** impacts and benefits to improve decision-making.



The Wind Forum brings together different stakeholders across **policy**, **community**, **market** and **third sector** to meet, network, and exchange knowledge on strategies contributing to acceleration of wind energy.

Best Practices

CIRCULARITY IN THE WIND INDUSTRY



Carol Sheath
Engineering Programme Manager
Renewable Parts



Industry perspective

CHALLENGES AND NEEDS



Alexander Hayward
Change Lead and Circular SME
SSE Renewables



Questions?

LET'S DISCUSS CIRCULARITY!



Carol Sheath
Engineering Programme Manager
[Renewable Parts](#)



Alexander Hayward
Change Lead and Circular SME
[SSE Renewables](#)



THANK YOU – LET'S KEEP IN TOUCH:



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