

EXPERT WORKSHOP

EUROPEAN

CLIMATE-RESILIENT ENERGY SYSTEM

*Enhancing climate adaptation and system resilience
in the ENTSO-E TYNDP CBA Framework*



19 October 2023

09:30 - 16:00 CET



ENTSO-E premises

Rue de Spa 8, 1000 Brussels, Belgium

CO-ORGANISED BY

Renewables
Grid Initiative 

entsoe 

SUPPORTED BY



Co-funded by
the European Union

Who is RGI?

RGI is a unique **collaboration of NGOs and TSOs** from across Europe engaging in an 'energy transition ecosystem-of-actors'. 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 policy makers on strategies towards full decarbonisation, improving capacity and knowledge on the role of grids within for the energy transition.

European Organisations

CAN
CLIMATE ACTION NETWORK
EUROPE

WWF

BirdLife
INTERNATIONAL
BIRDLIFE EUROPE

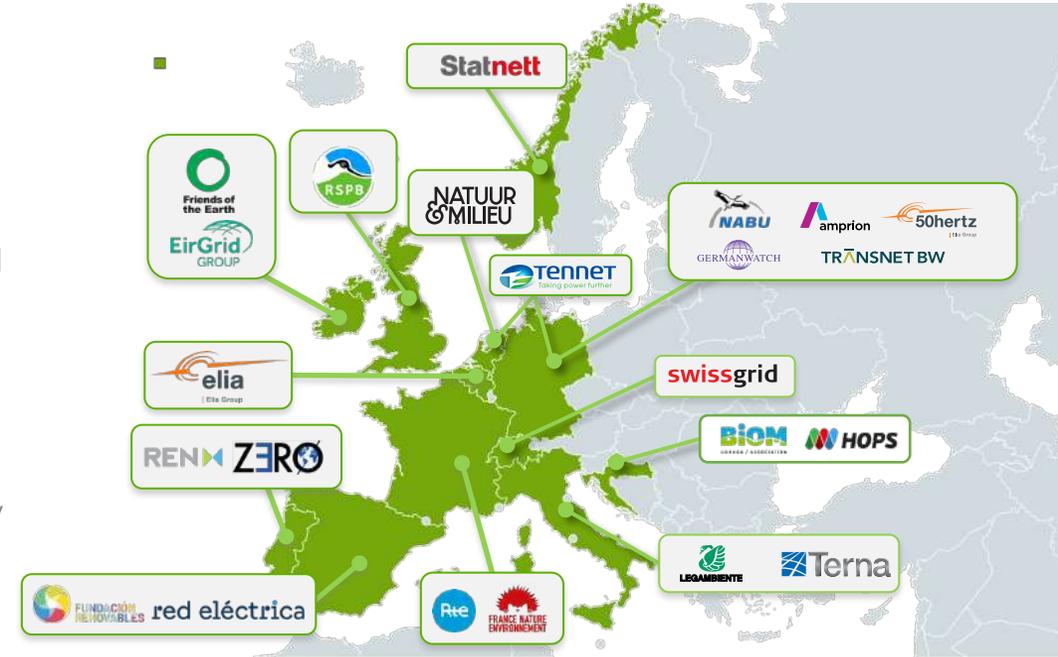
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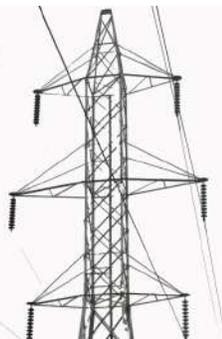


Workshop background



Workshop objectives

1. Facilitate discussions and exchanges about climate adaptation and resilience in the context of infrastructure development.
2. Explore different perspectives about climate adaptation and resilience measures and how to include them in the CBA methodology.
3. Discuss and agree on the definition of climate adaptation and resilience measures with the purpose of its implementation in the ENTSO-E CBA assessment framework.
4. Discuss how adaptation measures could be assessed to enable comparison with 'other solutions which do not require new infrastructure'.
5. Long-term objective: development of a quantifiable indicator on climate adaptation costs and/or climate resilience benefits.



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Agenda – 1/2

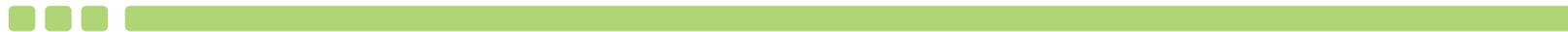
Time	Objectives
09:30	Registration and welcome coffee
10:00	Welcome remarks Explain the event's proceedings, objectives of the workshop and the agenda
10:15	“Climate adaptation in TEN-E” -Katrien Prins, European Commission
10:30	“Incorporating system resilience to extreme weather events in system planning” -Emmanouil Santorinaios, ACER
11:00	“Introduction to the 4th ENTSO-E Guideline for Cost Benefit Analysis of Grid Development Projects” -Nils Schindzielorz, ENTSO-E
11:20	“Differences in the potential climate change impacts across Europe ” -Swenja Surminski, Managing director Climate and Sustainability at Marsh McLennan and Prof in Practice Grantham Research Institute at the London School of Economics
11:45	<i>Coffee break</i>

Agenda – 2/2

Time	Objectives
Session I: Experiences from TSOs	
12:00	“Sustainable strategies to increase the resilience and integrity of REN’s Gas and Electricity Infrastructures” -José Moreira, REN
12:30	“A methodology for the evaluation of grid resilience: Terna’s perspective” -Federico Falorni, Terna
13:00	<i>Lunch break</i>
Session II: Experiences from other sectors	
14:00	“From understanding risk to increasing resilience – insights from Marsh McLennan” -Swenja Surminski, Managing director Climate and Sustainability at Marsh McLennan and Prof in Practice Grantham Research Institute at the London School of Economics
14:20	“Discussion and agreement on the definition of climate adaptation and resilience measures from a CBA perspective” -Nils Schindzielorz, ENTSO-E
14:50	Discussion to collect input and decide about the next steps
15:30	Summary of the workshop End of the event

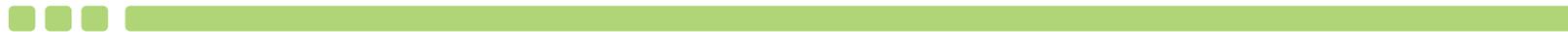
Coffee break

Coffee break– until 12:00



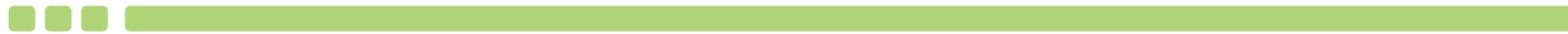
Lunch break

Lunch break– until 14:00



It is time for...

Concluding remarks and the next steps



Destination Earth – upcoming events

13-14 Nov
2023

Second Destination Earth User eXchange
13–14 November 2023
Bonn, Germany



Funded by the European Union **Destination Earth** Implemented by   

Registration closing soon!
> destination-earth.eu/event

Jan/Feb
2024

User Perspective Workshop – DestinE Use Case Energy Systems
Berlin, Germany



Deutsches Zentrum für Luft- und Raumfahrt
German Aerospace Center



Renewables Grid Initiative



AARHUS UNIVERSITY

Get in touch with us!
> lea@renewables-grid.eu

Let's stay in touch!



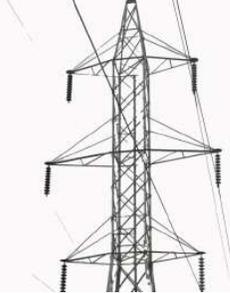
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Andrzej Ceglarz
Programme Manager - Socio-Energy Systems
t: +49 30 233211014
andrzej[at]renewables-grid.eu



Damiano Ottavi
Manager - Energy Systems
t: +49 30 2332 11028
damiano[at]renewables-grid.eu



Léa Hayez
Manager - Energy Systems
t: +49 30 2332 11032
lea[at]renewables-grid.eu



RGI website: renewables-grid.eu ENTSO-E website: entsoe.eu



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