

How can civil society contribute to European Grid Planning?

The PAC project approach

Andrzej Ceglarz

Programme Manager Socio-Energy Systems, RGI
Connecting Europe Training Series, 12 October 2023

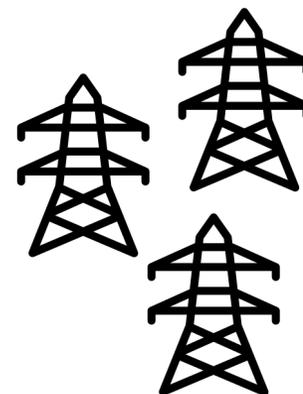


The PAC project – a strong partnership



- Initiated by civil society as a reaction to the Paris Agreement
- Focusing on delivery of the 1.5°C target
- Shifting attention to energy infrastructure

Why energy infrastructure matters for NGOs?



40 years



80 years



PAC Scenario is led by: civil society, science & ambition

2018

Development of the PAC European energy scenario

- 65% reduction in GHG emissions by 2030
- net-zero GHG emissions by 2040
- 100% renewables in Europe by 2040 in all sectors

2021

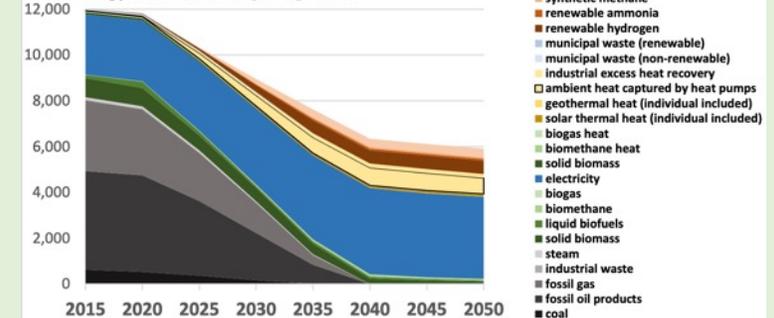
2021

PAC scenario implementation: which technical, regulatory and societal conditions?

- Country-specific scenarios and socio-economic analysis
- Further engagement with large consumers and grid operators
- Identification of the required infrastructure and spatial requirements

2024

Final energy demand EU28 [TWh] - Total



How to involve civil society in energy system planning?



Inform and improve knowledge among NGOs

Initiate dialogue between key stakeholders



Engagement in expert discussions

Sharing results with policy makers



Exchange best practices with international community

PAC in practice...

PAC-Scenario Building Workshops

Modellers' Exchange Workshops

Global Outreach Workshops

Policy Briefs

Direct contributions into the European grid planning

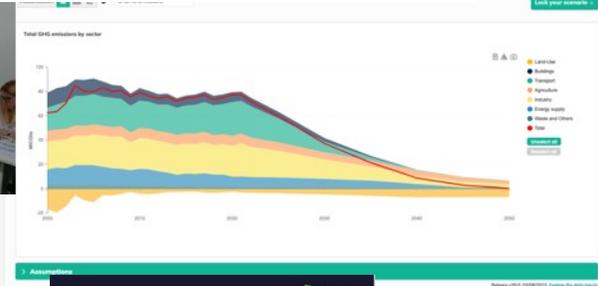


MODELLERS' EXCHANGE WORKSHOP
Towards climate neutrality:
Role of green hydrogen in future decarbonised and optimised European energy systems

12 July 2023 | Offices of European Environmental Bureau
Rue des Deux Églises 14, 1000 Brussels

Networking Lunch 12:00 - 13:30 CET Workshop 13:30 - 17:30 CET

Organized by **Renewables Grid Initiative**
With support from **EEB** and **Hitachi Energy**



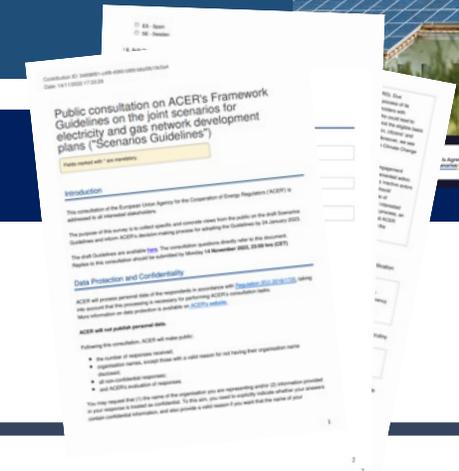
Paris-Agreement Compatible Scenarios for Energy Infrastructure
21 April 2022

#PacScenarios Workshop

Supported by **CAN**, **EEB**, **olade**, **Renewables Grid Initiative**, **REN21**

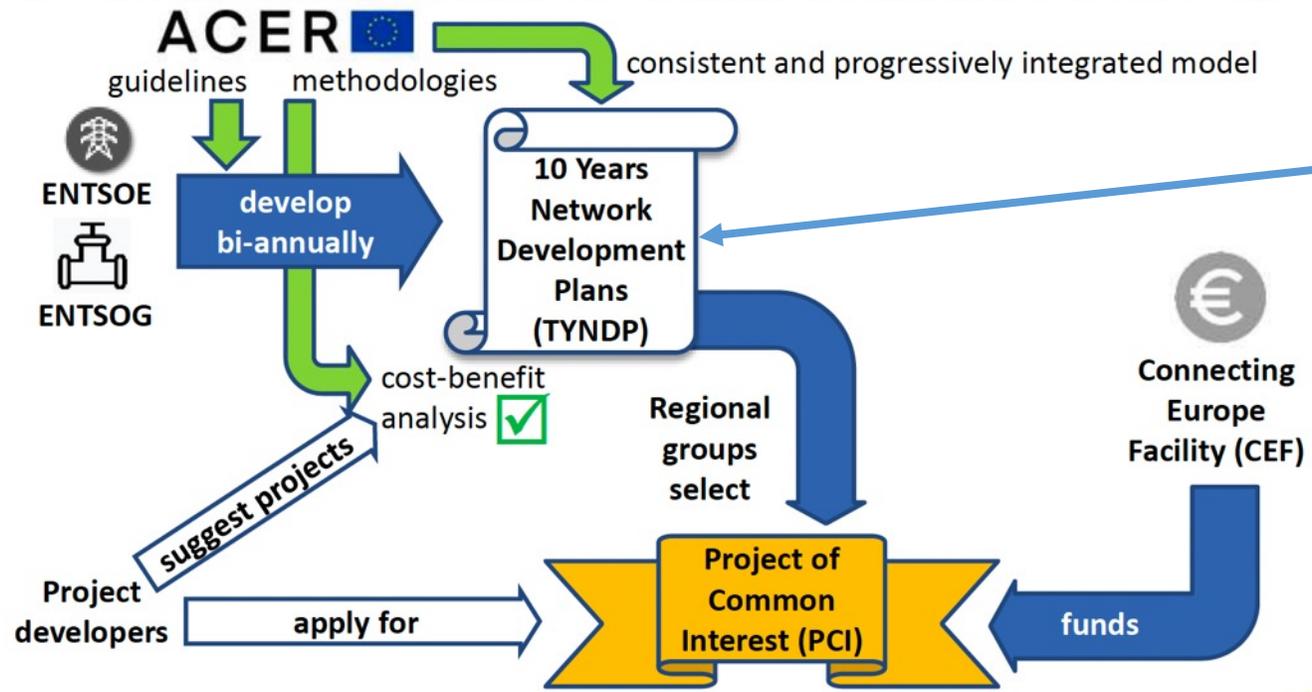
Nature-Positive Renewables
EEB Policy Brief: Measures towards nature-friendly renewables building on the Paris Agreement Compatible (PAC) scenario scenarios

Policy Brief: A sustainable hydrogen strategy for the EU



Direct contribution to the European grid planning process

Trans-European Networks for Energy (TEN-E) Regulation 2022



ACER: Agency for the Cooperation of Energy Regulators

ENSTO-E: European Network of Transmission System Operators for Electricity

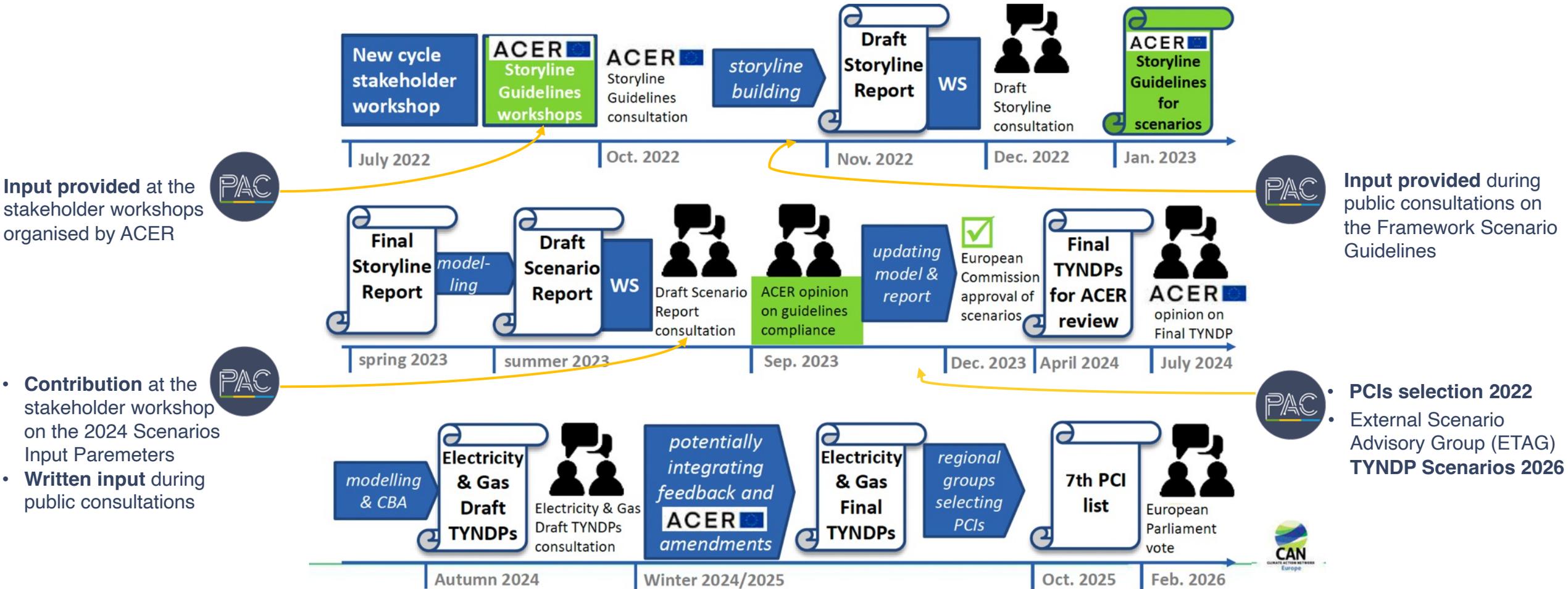
ENTSO-G: European Network of Transmission System Operators for Gas

TYNDP: Ten Years Network Development Plans

Regulation on conditions for access to the network for cross-border exchanges in electricity (714/2009), 13 July 2009, articles 8 (10), (11).
 Regulation on guidelines for trans-European energy infrastructure (869/2022), 22 May 2022.
 Regulation establishing the Connecting Europe Facility (1316/2013), 11 December 2013.



In practice: PAC contribution to TYNDP 2024



Key messages

- The European grid planning process allows civil society actors to actively participate and get involved
- The PAC project enabled to activate civil society actors and increase their capacities to provide substantial input to the European grid planning process
- The PAC scenario is a valuable tool that creates opportunities for this involvement, but requires also relevant updates to reflect the changing environment and further increase of the internal NGOs' capacities



Thank you!

You wish to learn more or get in touch?

PAC Project: <https://www.pac-scenarios.eu/>

Renewables Grid Initiative: <https://renewables-grid.eu/>

Contact Andrzej Ceglaz at andrzej@renewables-grid.eu

Find us also on LinkedIn: #pacscenarios

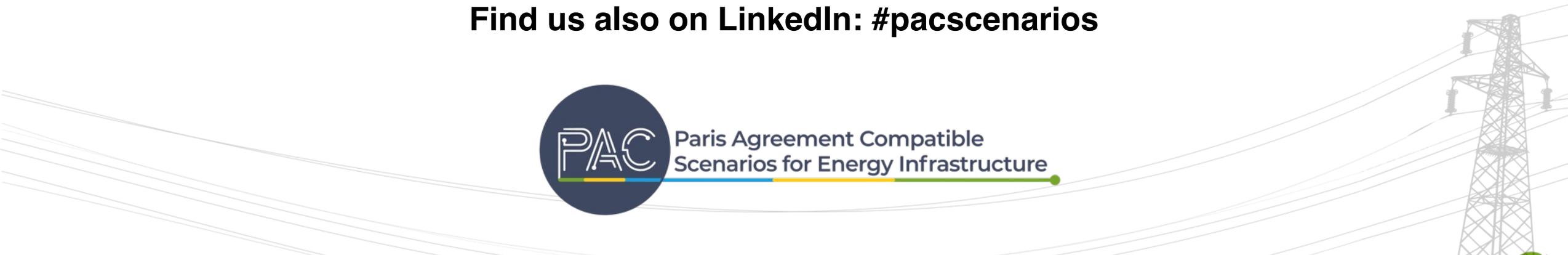


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