



European Union Agency for the Cooperation  
of Energy Regulators

# ACER webinar on on the new framework guidelines on scenarios for network development planning

Thursday, 26 January 2023

10:00 – 11:30



- The **recording** of this webinar will be available on the event page



- The **presentations** will be available on the event page



- Ask your **questions on Slido**

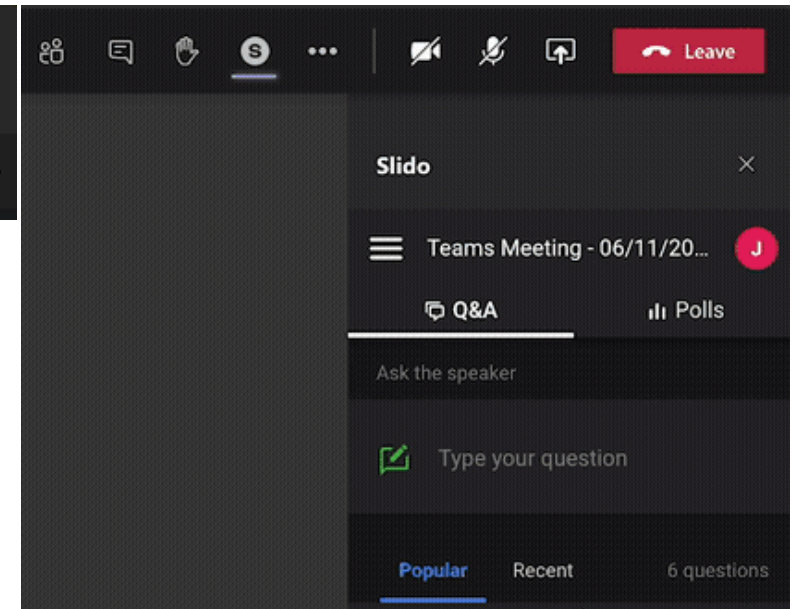
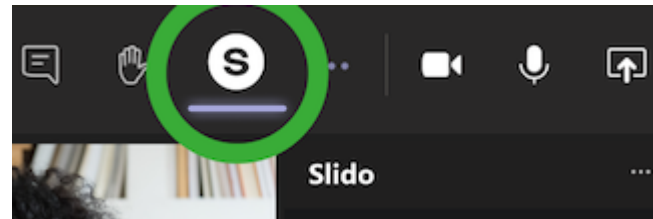


- **Microphones are muted**; the moderator may invite oral interventions – if you are invited to take the floor, raise your hand to help us identify you among the participants and activate your microphone



## Connect to Slido

- Directly in MS Teams
- Through [www.slido.com](https://www.slido.com) #ACER23
- Use direct link: <https://app.sli.do/event/bnRd1rnv4j7C5vsc648S6c>
- Scan QR code



<b>AGENDA</b>		
09.50 - 10.00	<b>Webinar open for log-in</b>	Starts promptly at 10.00
10.00 - 10.50	<b>1. DEVELOPING THE TYNDP SCENARIOS GUIDELINES</b> 1.1 TYNDP scenarios in the TEN-E Regulation, EC 1.2 The TYNDP Scenarios Guidelines development process, ACER 1.3 Implementing the TYNDP Scenarios Guidelines, ENTSO-E and ENTSOG	
10.50 - 11.20	<b>Q&amp;A</b>	
11.20 - 11.30	<b>Conclusions</b>	



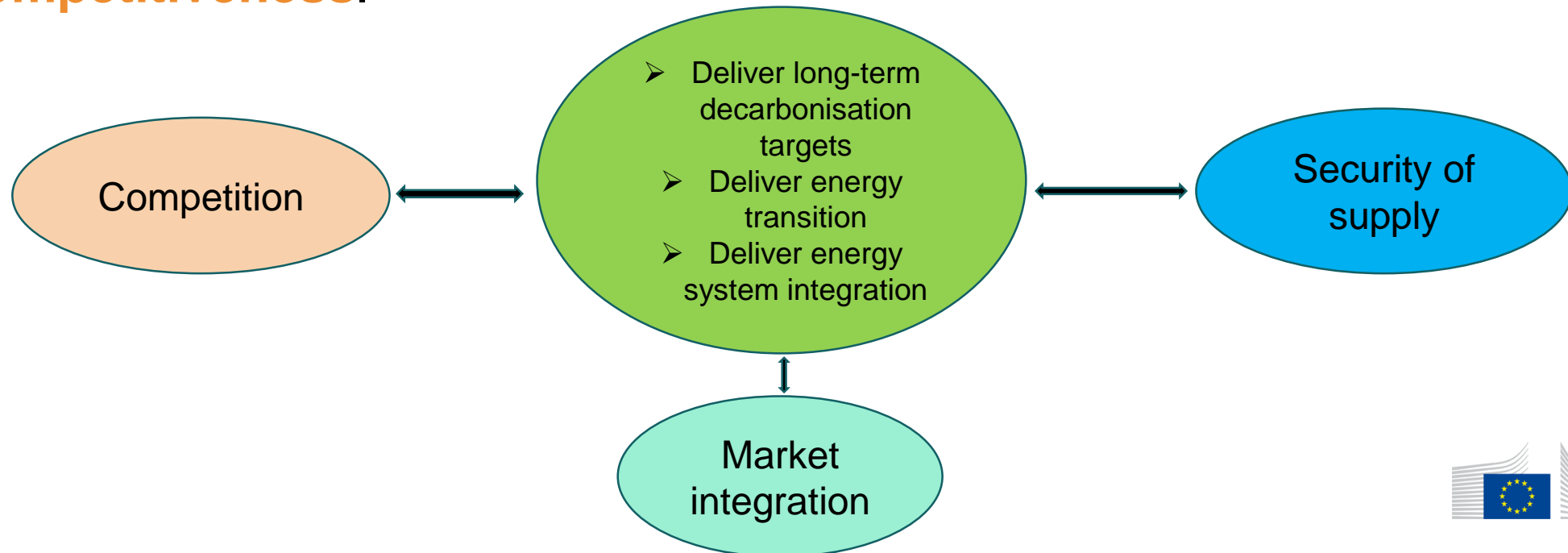
# The role of scenarios in the infrastructure planning under the revised TEN-E

26 January 2023

*DG ENER C4, Maciej Grzeszczyk*

# TEN-E revision: cross-border infrastructure planning for the Green Deal

- Fit for the infrastructure needs of the clean energy system of the future focusing on the (upgraded) **2030/ 2050 climate and energy targets**, the **climate neutrality objective** and **technological developments** whilst ensuring contribution to market **integration, security of supply and competitiveness**.



# Revised EU cross-border planning rules

- Full alignment of infrastructure with the EGD
- New and updated infrastructure categories and a reconfiguration of priority corridors and areas
- Dedicated offshore planning provisions
- Strengthened cross-sectoral energy infrastructure planning and governance
- Accelerated permitting and increased transparency
- Projects of Mutual Interest (PMIs)

# Strengthened EU planning governance

Optimised and **coordinated cross-sectoral infrastructure planning** on the basis of scenarios that are fully in line with the latest Union decarbonisation targets and Commission scenarios

Application of the **efficiency first principle** in throughout the TYNDP development process;

**Strengthened consultations** with Member States and stakeholders and the Advisory Board during the preparation of scenarios, infrastructure gaps and methodologies for cost-benefit analysis;

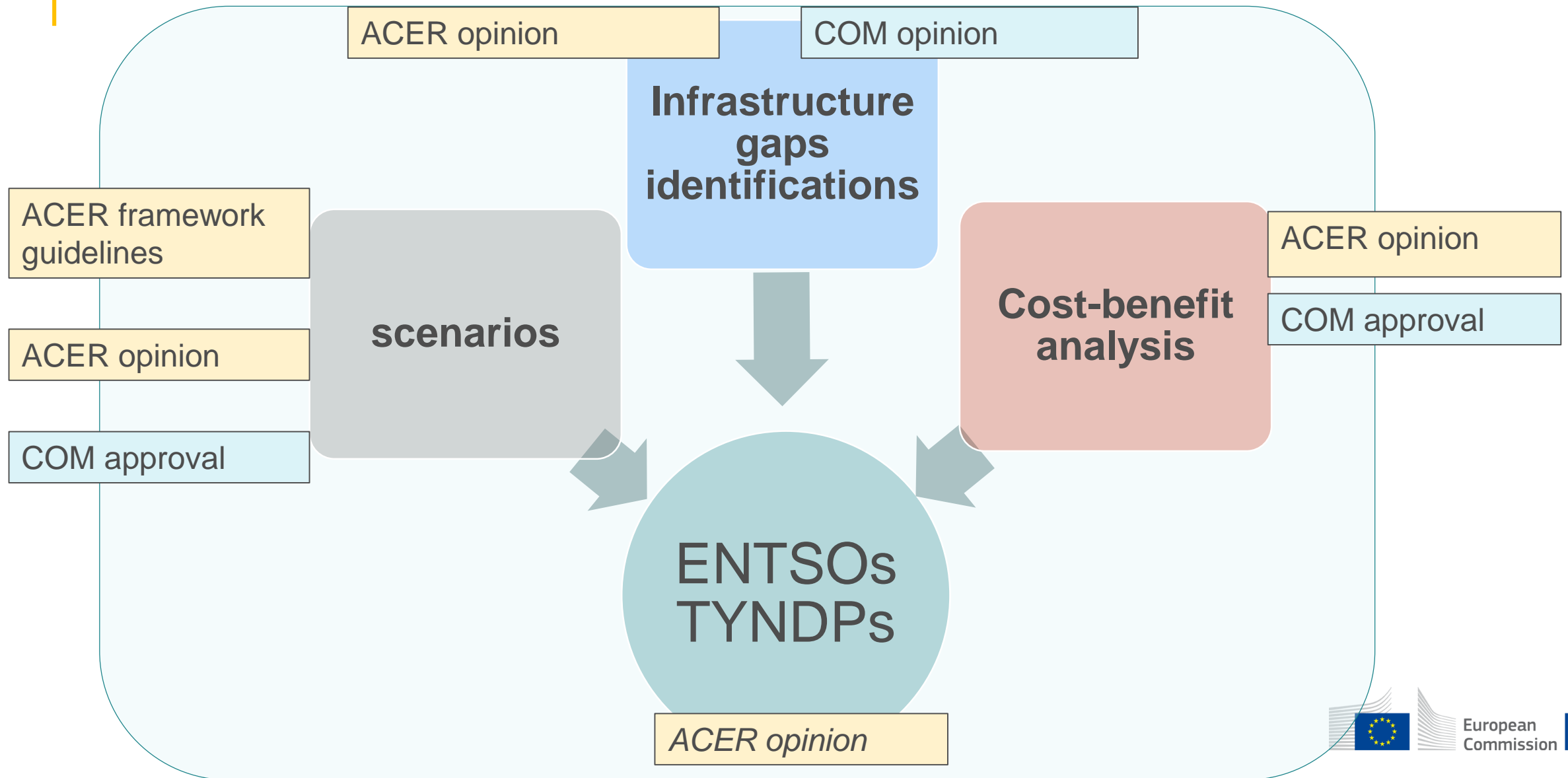
**Consistency between ENTSOs developed CBA methodologies and methodologies “outside”** TYNDP such as electricity storage, hydrogen, electrolysers, smart gas grids and CO2 networks;

**Oversight from the Commission on the main inputs to the TYNDPs and stronger role of ACER**  
- Commission approval of scenarios and CBA methodology; ACER Scenario Guidelines, opinion on scenarios and CBA.

Ensures **coordination in long-term planning and development of offshore and onshore** electricity grids



# NEW TEN-E framework - governance



# Development of the framework guidelines

- Should help ensure development of robust scenarios in line with the EU targets and involve wide range of stakeholders
- Required under Article 12 of the revised TEN-E
  - To be published after 7 months following the entry into force
  - Supported with the extensive consultation
  - To be updated regularly
- Second deliverable under the revised TEN-E Regulation after the offshore sea basin goals agreed from 19 January

# Requirement for the framework guidelines

1. Establish criteria for transparent, non-discriminatory and robust development of joint scenarios
2. Ensure that the scenarios are fully in line with the EE1st principle
3. Take into account the latest available Commission scenarios and NECPs
4. Take into account the recommendations from Member States, stakeholders and the European Scientific Advisory Board on Climate Change

The Agency shall submit its opinion on compliance of the scenarios with the framework guidelines, including possible recommendations for amendments.

# Framework guidelines

- Complex process – steered by ACER with the participation of the Commission.
- For the future – bring the scenarios in line with the revised TEN-E Regulation enabling adequate EU infrastructure planning, but also a wider use of the TYNDP scenarios also for project implementation, i.e. as regards regulatory decisions (CBCA, investment incentives).

# ACER's Framework Guidelines For The Joint TYNDP Scenarios

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Nico KEYAERTS, ACER



**The framework guidelines aim to facilitate a scenario development process (within the Ten Year Network Development Plan) that ensures transparency, is non-discriminatory and delivers robust scenarios**

**Scenarios should be in line with:**

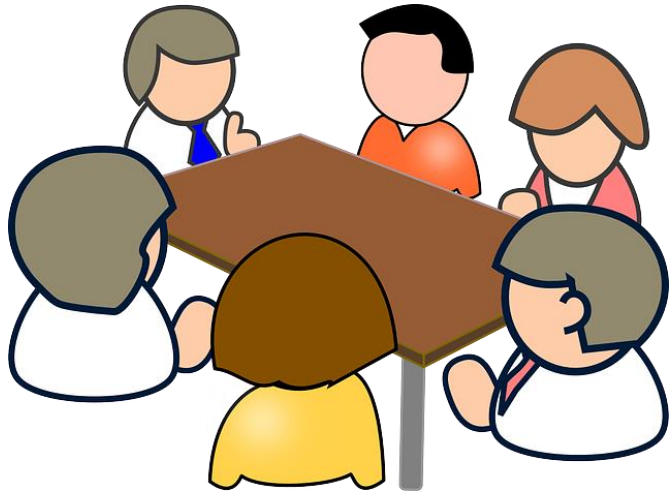
- the energy efficiency first principle and
- the Union's 2030 targets for energy and climate and
- 2050 climate neutrality objective

**Scenarios shall also take into account:**

- the latest available Commission scenarios, as well as, when relevant,
- the national energy and climate plans.



**Scenario development should fit comfortably in the 2-year Ten Year Network Development Plan cycle**

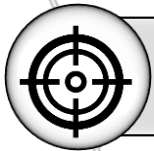


- Targeted consultations
  - 5 workshops with over 33 representative organisations
- Public consultation
  - 29 responses from a balanced set of stakeholders
    - 8 civil society organisations
    - 8 distribution and/or transmission system operators (or association)
    - 8 market participants (generators, utilities, others)
    - 5 other (research, think tank and other)
- Input from the European Scientific Advisory Board on Climate Change

## Framework guidelines cover



A timely scenario-preparation process



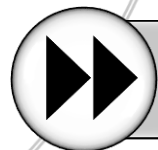
Robust “objective-driven” scenarios



Transparent, inclusive and streamlined development process



A process for stakeholder scrutiny

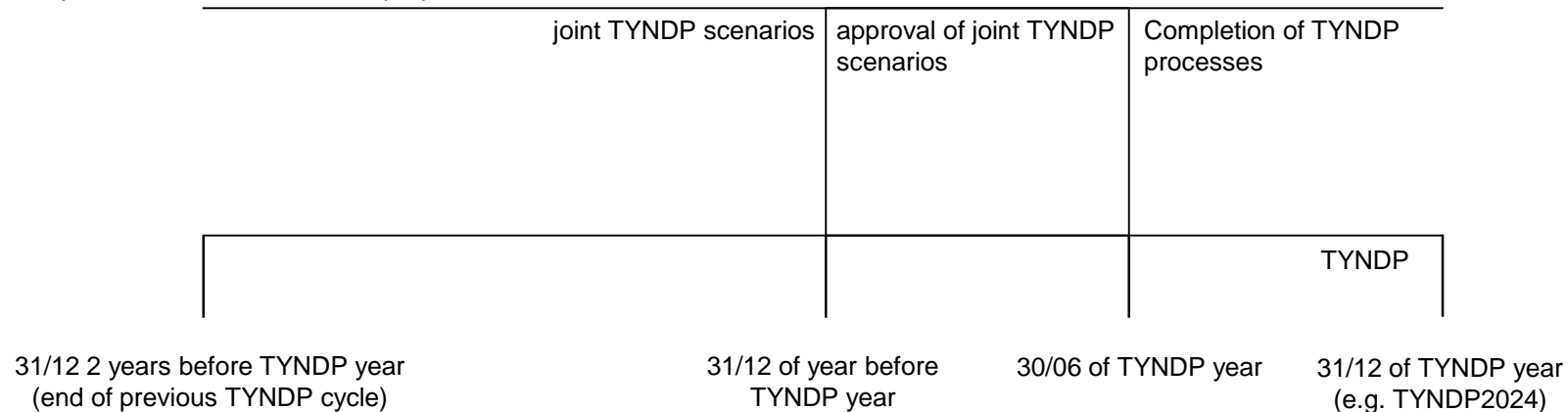


A quick-update process

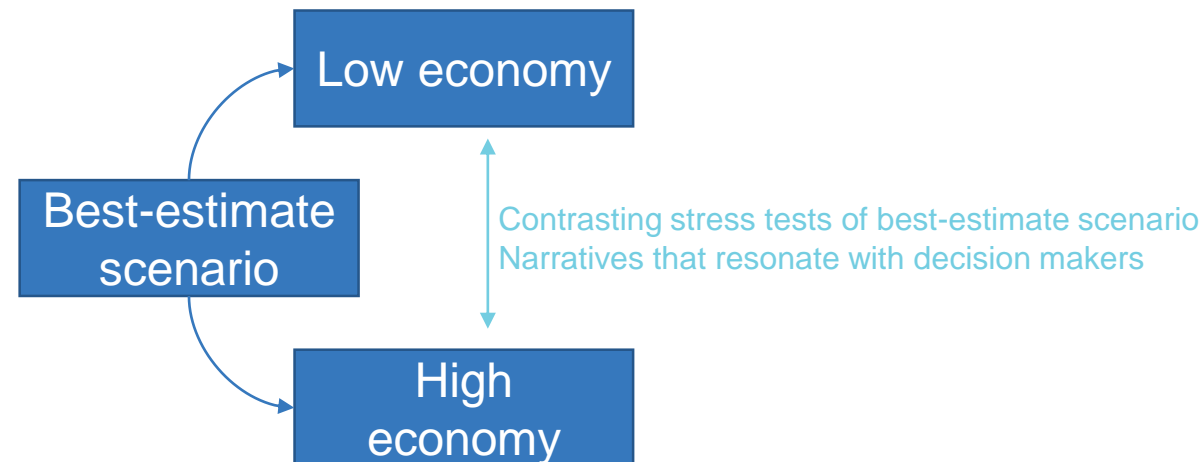
# A timely scenario-preparation process

- Setting requirements on the timing and deadlines of the scenario-preparation process
  - Fitting it within the biennial cycle for the ten-year network development plans
  - Incorporating as recent information as possible
  - Supported by process timeline and engagement plan

Conceptual timeline for illustration purposes

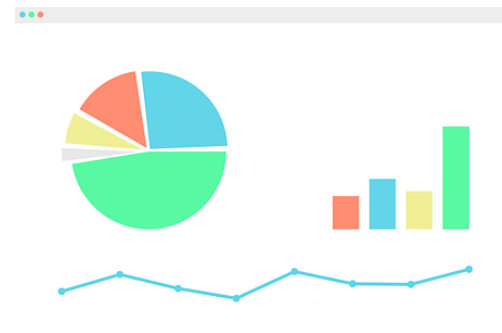
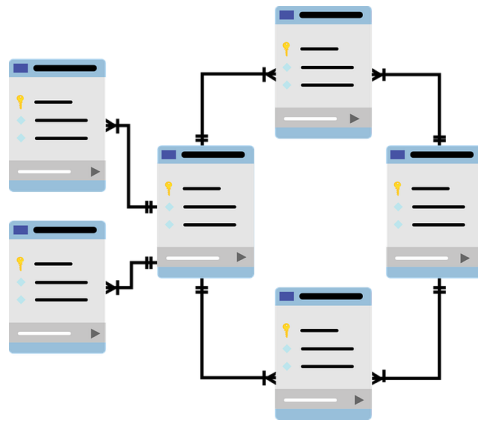


- Setting requirements on **objective-driven** scenarios
  - Objective-driven means agreed Union policies (the objective) are met
  - TYNDP scenarios are not policy scenarios
- Setting requirements on **robust** scenarios:
  - Bottom-up development assuring first scrutiny already at national level
  - Focus on a stable minimum set of scenarios that inform the decision makers; more contrasting scenarios may be constructed

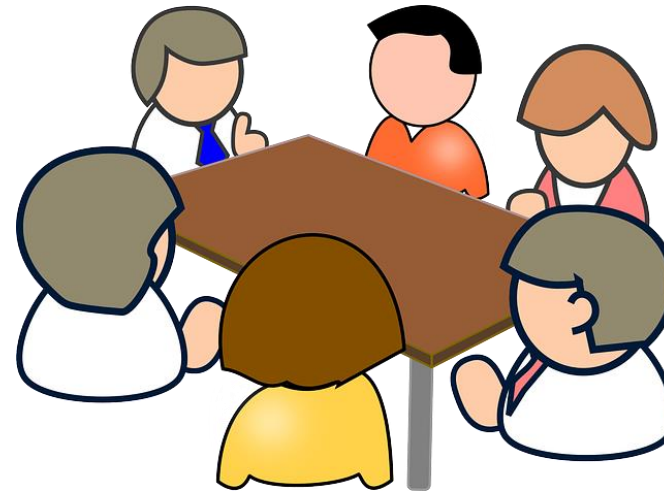




- Setting requirements for an **open process**, involving stakeholders and enabling broad participation:
  - Detailed process timeline and stakeholder engagement plan to be shared at the start of the process
  - Establishing a Stakeholder Reference Group that is close to the scenarios-preparation process
- Setting requirements for **clear communication** and **proper documentation**:
  - Findable, Accessible, Interoperable and Reusable - FAIR principle
  - Publication of information accommodating different stakeholder needs and capabilities



- Setting requirements for stakeholder scrutiny
  - Stakeholder Reference Group scrutinising and advising ENTSO-E and ENTSOG on assumptions and inputs
  - Enabling multilateral discussion among stakeholders
  - ENTSO-E and ENTSOG remain sole owners of scenarios-development process.



- Establishing a **quick-update process** (to be concluded within 8-10 weeks)
  - To deal with a significant unpredictable event that cannot be handled within the regular timeline.
  - To review and update assumptions affected by the event for the central best-estimate scenario (and its variants if there is time)
- Activated by European Commission or ACER



# Scenario Framework Guidelines

Implementation of the FG by ENTSOs in the TYNDP process



26 January 2023



# TYNDP 2022 and Scenario 2024 cycle

## ENTSOE TYNDP 2022

Draft TYNDP\*

Draft TYNDP

Public consultation

ACER opinion

Final TYNDP

## ENTSO-E TYNDP 2022

Draft TYNDP

Public consultation

Last computations & consideration of feedback

ACER opinion

Final TYNDP

## ENTSOE & ENTSOG 2024 scenarios

Kick off 2024 cycle

Storyline development

Modelling & Innovation

Data collection

Scenario building

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Jan

Feb

Mar

Apr

May

Jun

Jul

2022

2023



# TYNDP 2024 Scenario Building Process

- **TYNDP 2024 Scenarios kick-off and Storyline Review workshop was held in July 2022 to,**
  - Receive feedback
  - Share the timeline & scenario strategy & the details of stakeholder engagement
  - Review the storylines to identify the required updates
  - Encourage for bilateral meetings
  
- **SAVE THE DATE for Stakeholder Update Webinar – 20 February 2023 (15.00 – 16.45) (tbc)**
  - To inform stakeholders about the development of the scenario building process
  - To allow stakeholders to adequately prepare for consultation and other feedback opportunities
  - The event page will be updated soon including the details of registration and agenda

# What is possible for 2024 scenarios and what needs to wait for 2026 scenarios?

## Criteria for a timely scenario preparation process

### 2024 scenario cycle

- National Energy and Climate Plans (NECPs), which are due by 30 June 2023, are considered in the scenario preparation to the extent possible.
- Review of the storylines has started
- First drafting of the living roadmap
- Give an intermediate update to all parties involved about the innovations to be implemented in the 2024 cycle

### 2026 scenario cycle

- Agreement on a cut-off date for adoption of new policies at the start of the scenario cycle (ENTSOs / SRG / ACER / EC)
- Storylines process is carried out at the beginning of the scenario preparation process
- Prepare a living roadmap document detailing planned changes and larger innovations to be implemented for future scenarios cycles
- At the start of each scenario cycle, the ENTSOs will clearly communicate on the innovations to be implemented in that cycle.

# What is possible for 2024 scenarios and what needs to wait for 2026 scenarios?

## Criteria for robust 'objective driven' scenarios

### 2024 scenario cycle

- Snapshot of 2035 scenario time-horizon
- Engage with SRG how to expand scenarios to take into account “low”-economy and “high”-economy given that it has never been selected as a primary driver before.
- Major differences on the inputs used in ERAA shall be appropriately explained.

### 2026 scenario cycle

- How regional differences are taken into account (e.g., in technology cost-efficiency of wind and solar between North and South (due to different productivity potentials) of Europe or in commodity prices).
- Qualitative risk assessment, highlighting the drivers of uncertainty and the main risk factors that could seriously alter the envisaged scenario.
- How to implement “low”-economy and “high”-economy variants that serve as stress-tests of the central scenario

# What is possible for 2024 scenarios and what needs to wait for 2026 scenarios?

## Criteria for a transparent, inclusive and streamlined development process

### 2024 scenario cycle

- Creating a Stakeholder Reference Group ('SRG') within 3 months after the adoption of these Guidelines

### 2026 scenario cycle

- Before starting the scenarios-building cycle, the ENTSOs shall publish a process timeline and stakeholder engagement plan

Thank you for your attention

Location: online

Date: 26.01.2023



# Q&A Session

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Ask question via Slido in MS Teams, by scanning the QR code or using the direct link:  
<https://app.sli.do/event/bnRd1rnv4j7C5vsc648S6c>



# Thank you!



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