



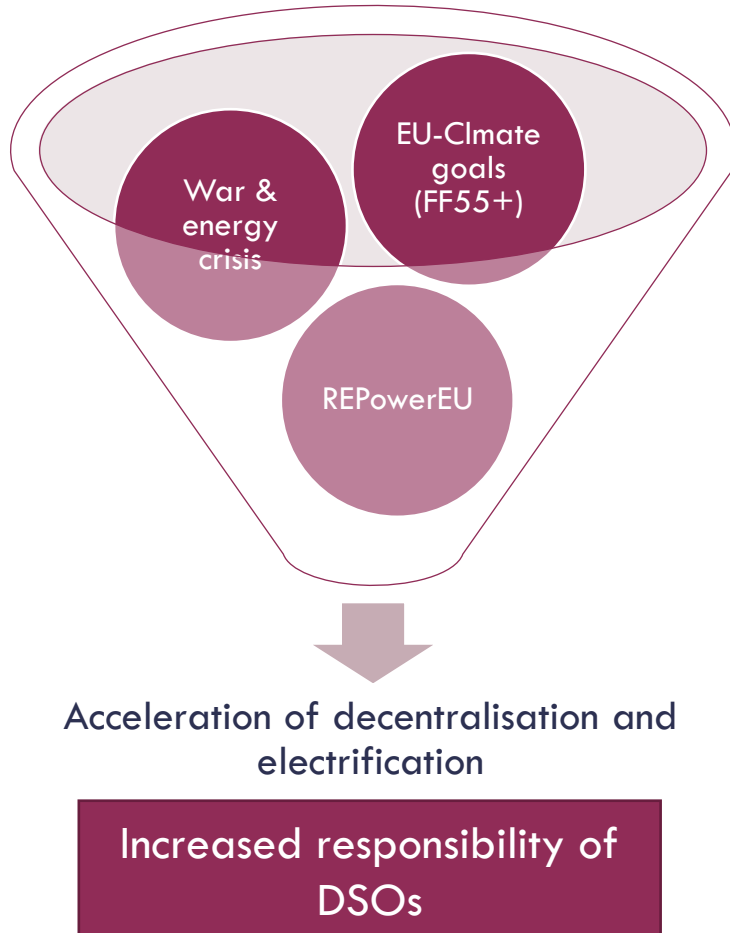
On the move:  
**DSO Entity's strategic priorities for 2023**

10 May 2023

Breakfast debate



# Zoom out: 2023 EU regulatory Environment



Additional 600 GW solar PV capacity by 2030 (from currently 165 GW) and legal obligation to install solar panels on new buildings



Installation of 30 mio. heat pumps by 2030



Expected rise in electricity demand by 100 TWh within the next five years



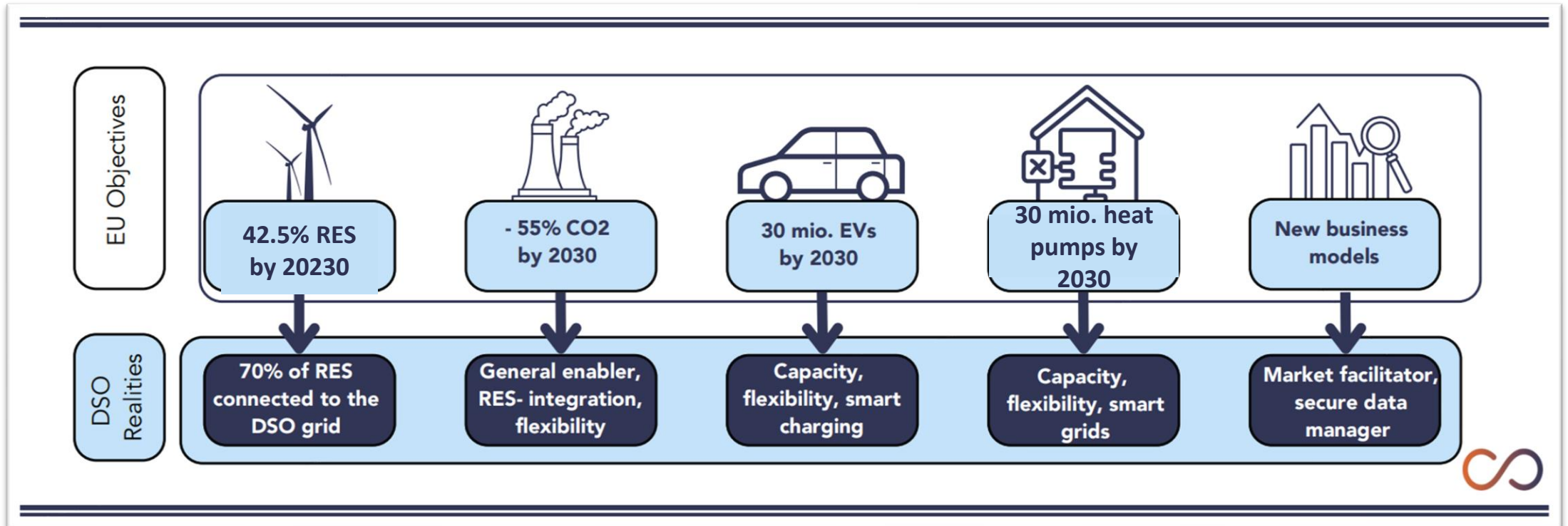
Phase out fossil-fueled vehicles (2035); >30 million EVs (2030), EV-charging point obligations in buildings and on the road



High gas and electricity prices additionally increase consumer demand for decentralised solutions



# Growing relevance of DSOs on EU-level: DSOs as technical enabler of EU climate and energy objectives

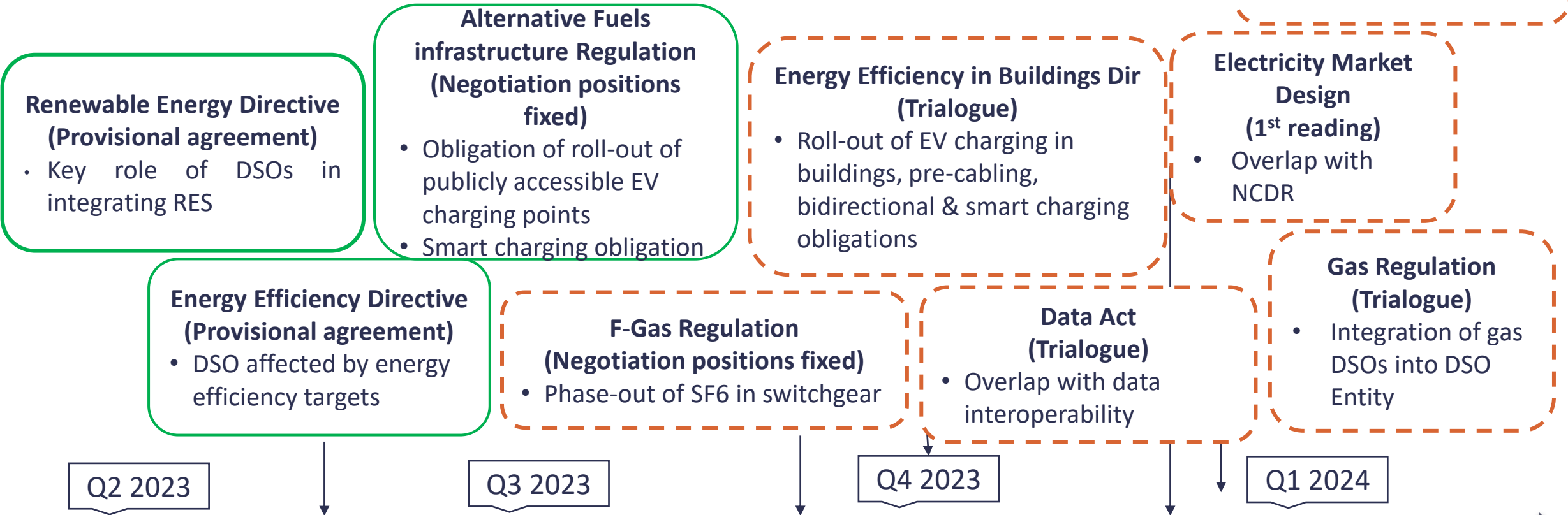


**Decarbonisation, decentralisation and digitalisation** enhanced the role of DSOs as **key-enabler** in this energy transition.

The energy crisis and European emergency measures accelerated this trend in 2022

# Outlook 2023: expected adoption

Fit for 55 & REPower EU



Q2 2023

Q3 2023

Q4 2023

Q1 2024

DSO Entity's mandated tasks

**IR Electricity metering & consumption data (Adoption pending)**

Setup and start of the work of joint Working Group (DSO Entity/ENTOS-E)

**NC CS (Adoption pending)**

Implementation at national level

**Implementing Act on data for switching and demand response (1st draft pending)**

Implementation at national level

**NC DR (ongoing development)**

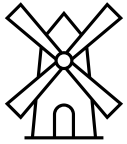
Submission of DSO Entity & ENTSO-E's draft proposal



# Starting point: New, central role of DSOs in this energy transition is highlighted throughout the plan in 4 key-messages



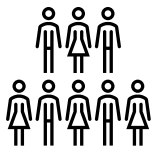
- **DSOs are highly relevant in reaching EU climate and energy objectives**
  - **Technical** enabler of political climate and energy goals (connex NC and goals)



- **DSOs and renewables are partners** in the energy transition
  - RES-targets and financing must go hand in hand with investments in the (decentral) grid infrastructure (digital and physical)



- **DSOs empower the consumer provided that the right conditions are in place**
  - Right (investment) conditions for DSOs as prerequisite for consumer empowerment (flexibility, data, PV/EV-connection, energy communities)



- **DSO Entity is “united in diversity”**
  - DSO Entity is uniting, representing and taking responsibility for all European DSOs with different backgrounds and needs (*one size does not fit all*)

# Zoom in: Structured around the three core tasks of DSO Entity as mandated in Electricity Regulation 2019/943



## Network Codes & Guidelines

Participates in drafting of Network Codes and Guidelines relevant for DSO grids

- Network Code **Cybersecurity**
- Upcoming **Network Code Demand Response**
- Review of **existing NC**
- Further **delegated implementation** assignments



## DSO/TSO cooperation

Promotes optimal and coordinated planning and operation of DSO/TSO networks

- **MoU** with ENTSO-E
- Cooperation on **Network Codes**
- Joint Work Programme 2022-23



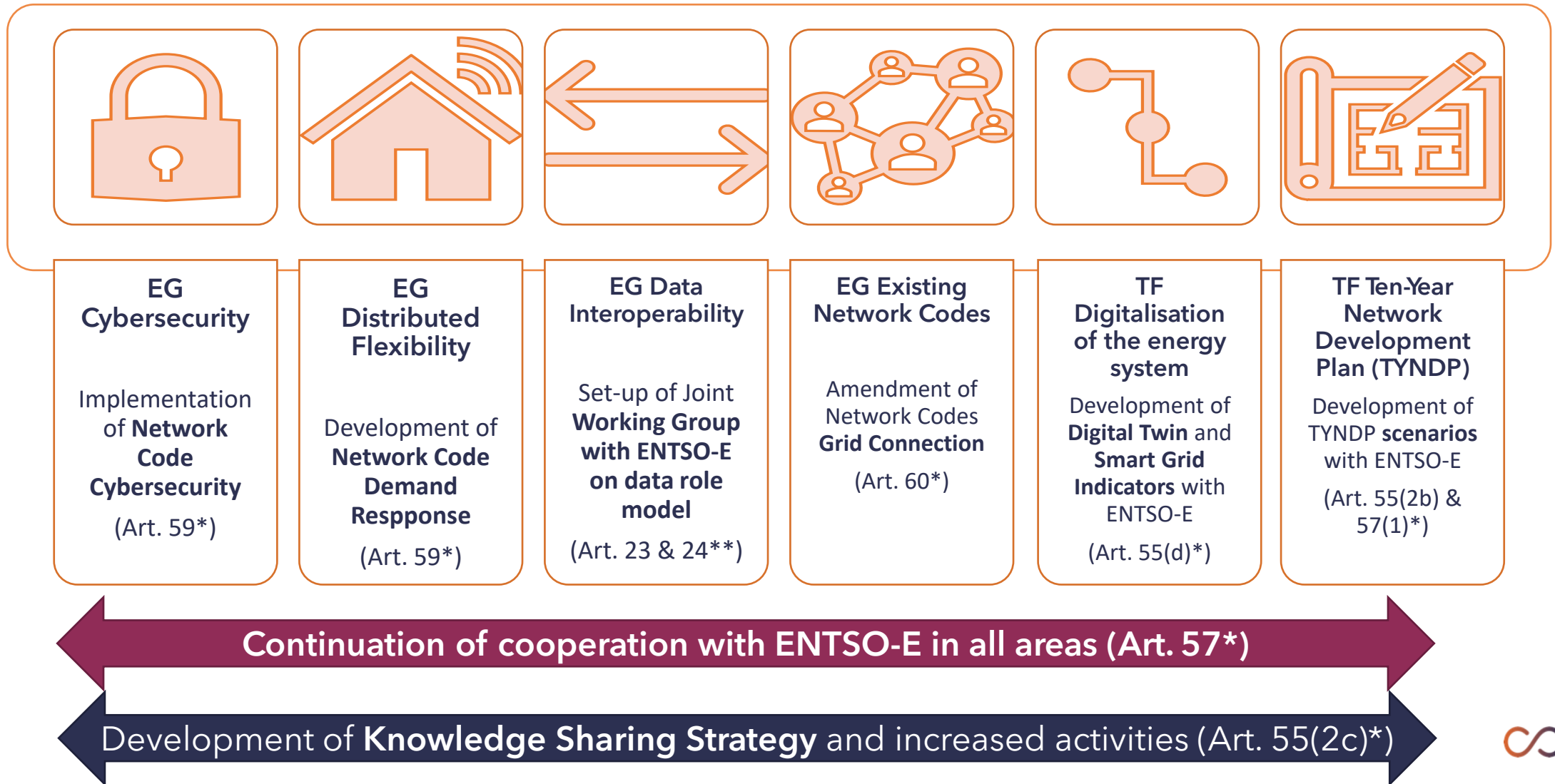
## Sharing best practice

Expert Groups and forum provide expertise and enable exchange of views

- **Various forms of knowledge sharing** as foreseen in the Knowledge Sharing Strategy 2023 (Webinar, Events, elaboration of priority topics)

# Zoom in: 1<sup>st</sup> pillar: Core Work of DSO Entity on technical files

\* Electricity Market Regulation (2019/943/EU)  
 \*\* Electricity Market Directive (2019/944/EU)



# Zoom in: Overview of EG: priorities and key-milestones for network codes and guidelines



## EG Cybersecurity

- 1 Implement NC CS
- 2 Reply to EU consultations on CS
- 3 Prepare TCMs



## EG Distributed Flexibility

- 1 Develop NC DR
- 2 Reply to EU consultations
- 3 Communicate messages on flex



## EG Data Interoperability

- 1 Set up Joint Working Group
- 2 Contribute to the EG1 of SGTF
- 3 Cooperate with ebIX



## EG Existing Network Codes

- 1 Amend Grid Connection NCs
- 2 Interact with the ESCs
- 3 Consider NC/GL amendments



## TF Digitalising the energy system

- 1 Define Smart Grid Indicators
- 2 Develop an EU Digital Twin
- 3 Develop a RDI strategy



## TF TYNDP

- 1 Develop TYNDP scenario
- 2 Investigate DSO PCI projects
- 3 Contribute to Knowledge Sharing

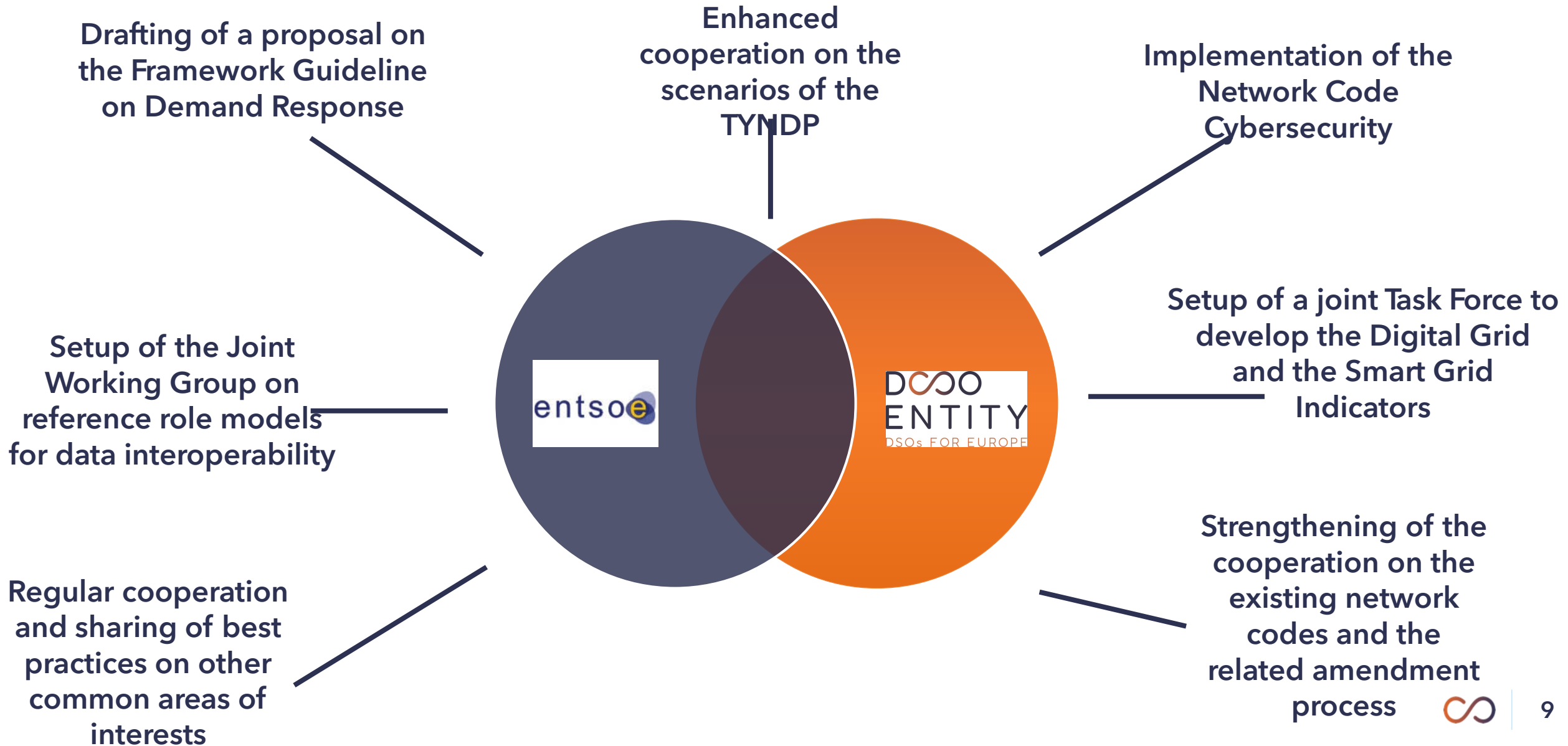


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New assignment EMD  
Art. 19c



# Zoom in: TSO – DSO cooperation



# Zoom in: Objective and development of Knowledge Sharing



# Zoom in: Structured around the three core tasks of DSO Entity as mandated in Electricity Regulation 2019/943



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Thank you for your attention!

## DSO Entity

Uniting DSOs to deliver  
a just energy transition



# Summary: Priorities and benefits for members

## Priorities & focus for 2023

## Benefits for members



### Network Codes & Guidelines

Participates in drafting of Network Codes and Guidelines relevant for DSO grids

- **Contribute to the development & implementation of Network Codes and guidelines and relevant implementing regulation**



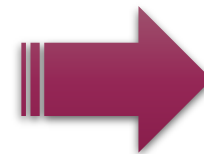
- **DSO-tuned and future proof conditions** to facilitate energy transition



### DSO/TSO cooperation

Promotes optimal and coordinated planning and operation of DSO/TSO networks

- Continue and boost **constructive collaboration**



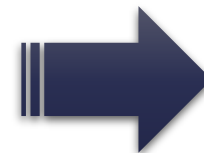
- **Balanced approach on TSO/DSO issues** to all levels of the grid
- More **integrated view for entire grid**



### Sharing best practice

Expert Groups and forum provide expertise and enable exchange of views

- **Internal:** share best practices among members
- **External:** inform about the **role of DSOs in energy transition**



- **Platform** for member engagement
- **Unique voice** and credible institution