



SmartNET Final Event

Ancillary services from distribution networks and TSO-DSO coordination modalities - The view of DSOs


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16 May 2019 - Arona

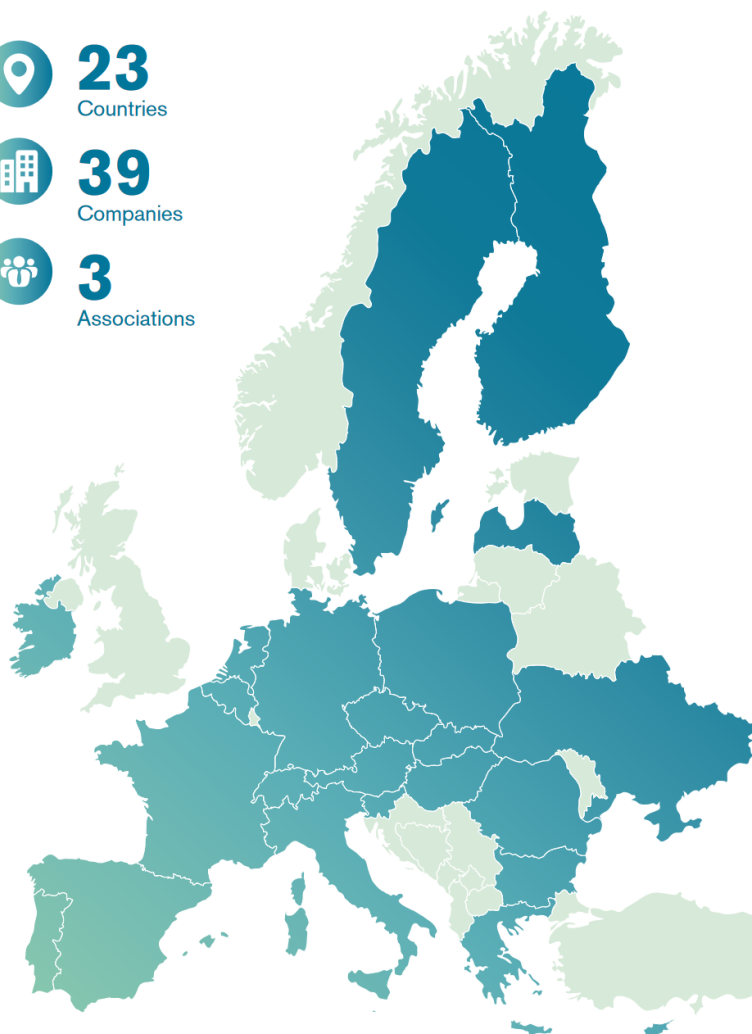
About E.DSO

Members

 **23**
Countries

 **39**
Companies

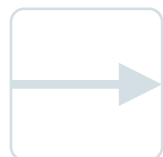
 **3**
Associations



AT	Energienetze Steiermark Netz Niederösterreich
BE	Fluvius ORES
CH	Services Industriels de Genève
CY	Electricity Authority of Cyprus
CZ	ČEZ Distribuce PREdistribuce
DE	E.ON EWE Netz Netze BW innogy Rheinische NETZ Gesellschaft Stromnetz Hamburg
ES	Hidrocarbónico Distribución Eléctrica Endesa Distribución Eléctrica Iberdrola Distribución Eléctrica Unión Fenosa Distribución Viesgo Distribución Eléctrica
FI	Caruna
FR	ENEDIS
GR	HEDNO
IE	ESB Networks
IT	Areti e-distribuzione Utilitalia
LV	Sadales tīkls
NL	Alliander Enexis Netbeheer Nederland STEDIN
PL	Enea Operator Energa Operator PGE Dystrybucja
PT	EDP Distribuição
RO	e-distributie Banat e-distributie Dobrogea e-distributie Muntenia
SI	SODO
SE	Vattenfall
UA	DTEK GRIDS DSO(E)

- **Founded in 2010**
- **DSO-only Association**
- **E.DSO Members connect >70% of European customers**
- **Focused on electricity**
- **Committed to innovation**
- **Participation in 9 EU-funded projects**
- **Participation in all EU expert groups in Smart Grids (SGTF, ETIP SNET, TSO/DSO Platform)**

The evolving role of the DSOs



Unidirectional



Passive



“Hardware”-based



**Multidirectional
Cross-sectoral**

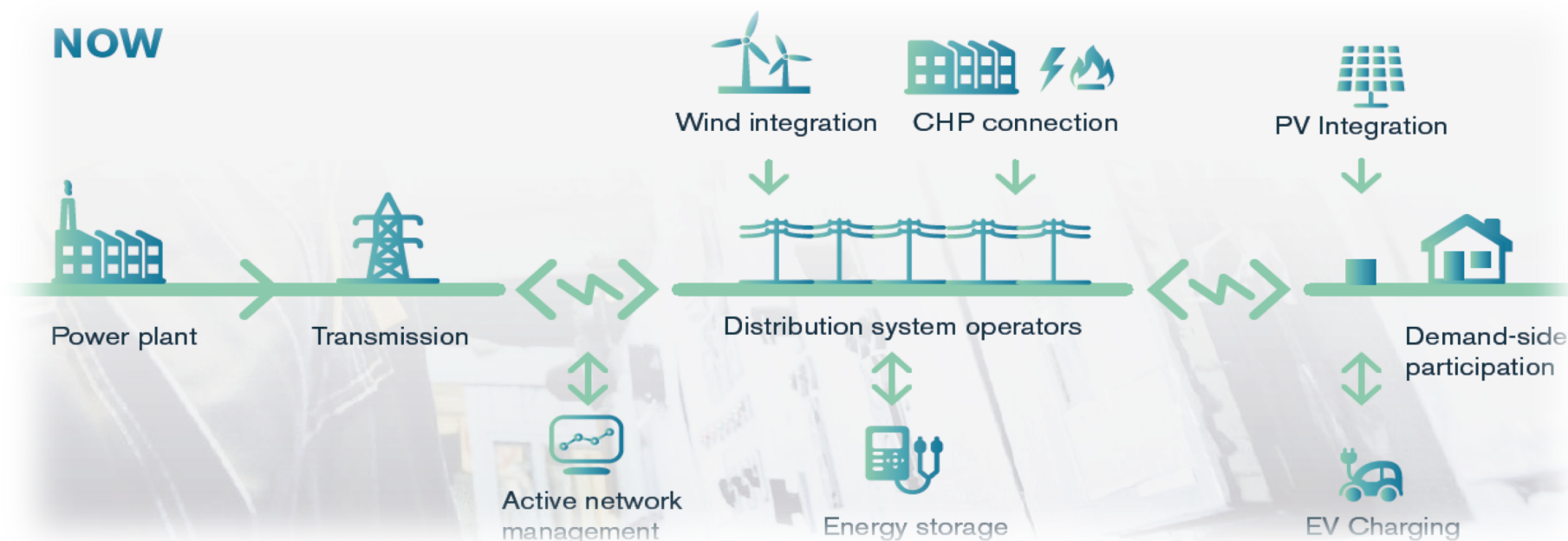


**Active customers
Market facilitation**

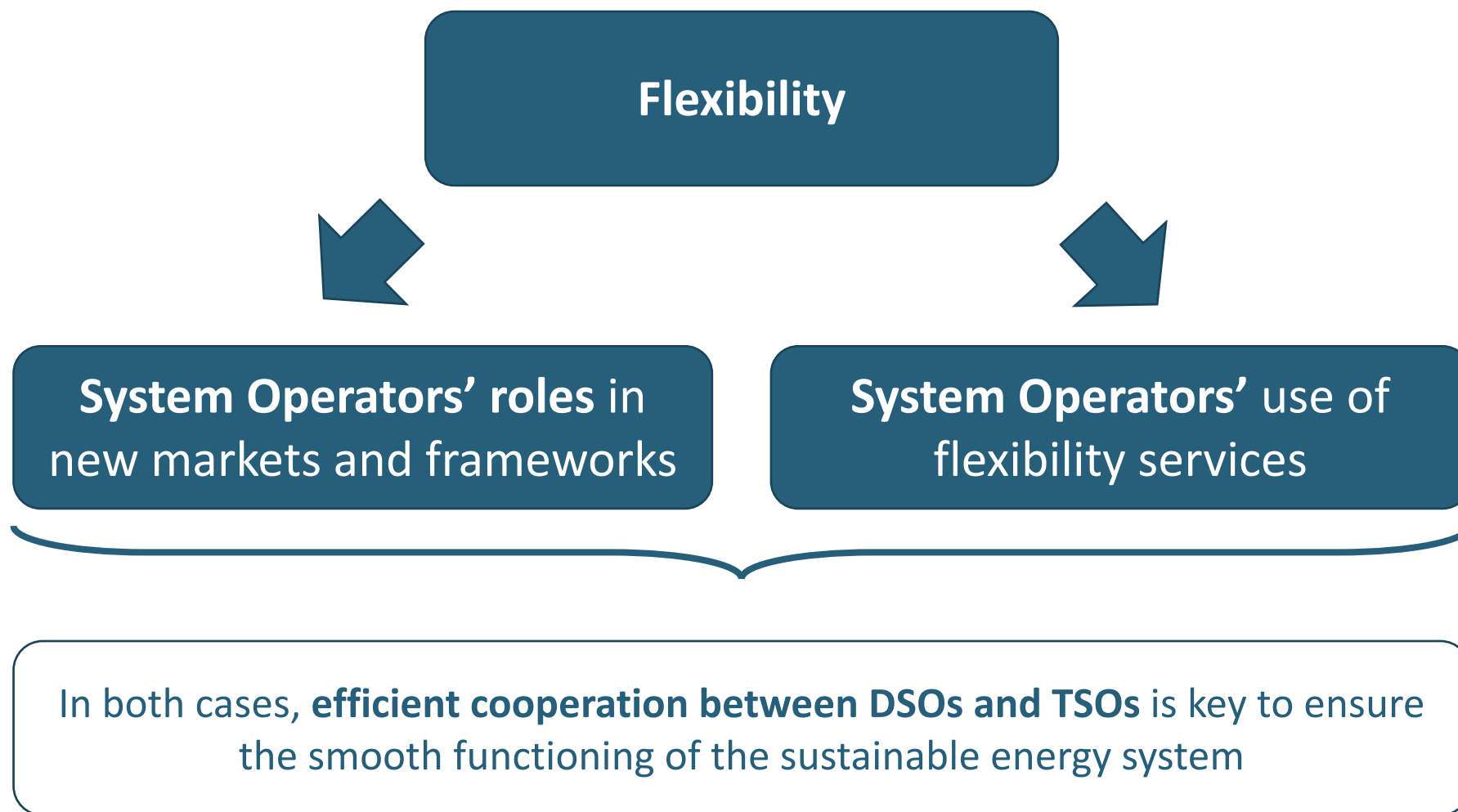


**Digital
Flexible operations**

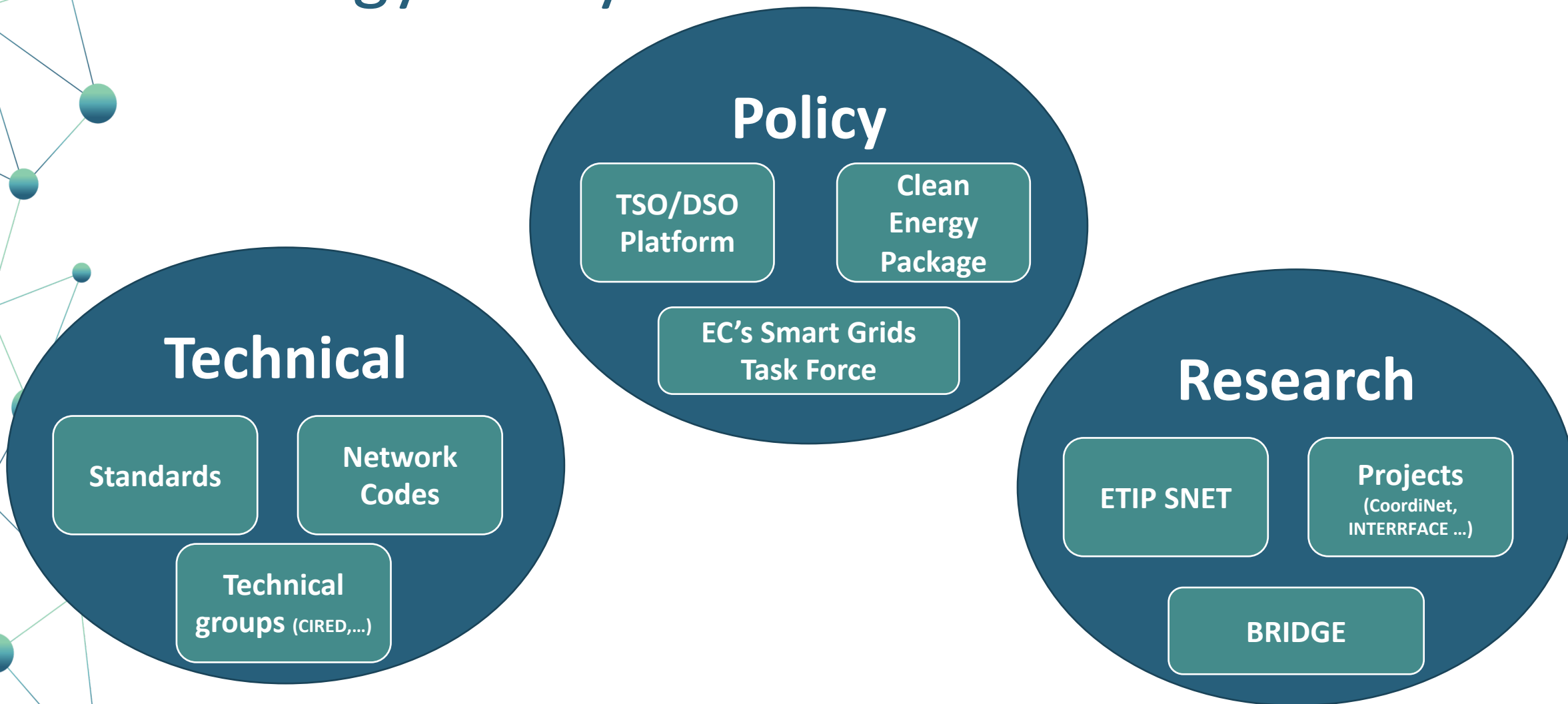
NOW



System Operators and Flexibility

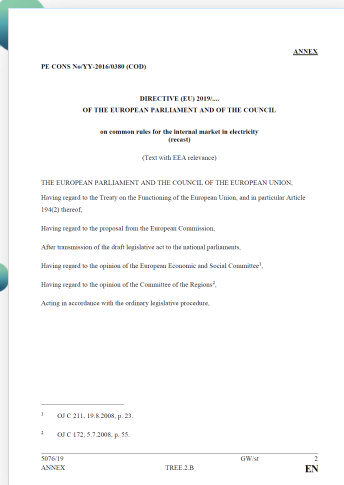


EU Energy Policy context



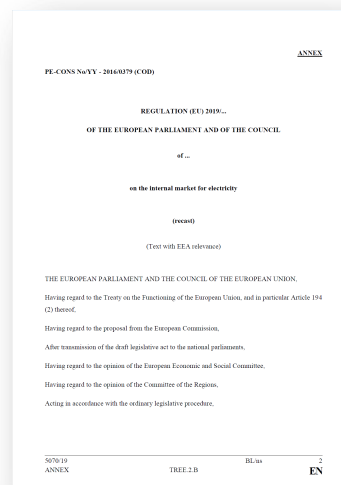
Latest policy activities

Clean Energy Package



Electricity Market Design Directive

- Smart metering
- Data management
- Data access
- DSOs' & TSOs' future roles
- Flexibility

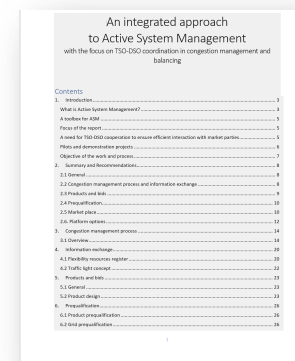


Electricity Market Design Regulation

- DSO/TSO responsibilities
- Network codes
- Data management
- DSO Entity

Both files to be approved in Q2 2019

TSO/DSO Platform



TSO/DSO report on an integrated approach to Active System Management

Published on 16 April 2019

EC's Smart Grids Task Force



Expert Group 3 (EG3) report on barriers and recommendations for the deployment of flexibility.

To be published in May/June 2019

Following-up with new projects

2016-2019



2019-2022



INTERFACE
project

2020

New ES-5
(TSO/DSO/Consumers)
2020 project



Thank you for your attention!