

# CEER

Council of European  
Energy Regulators



## *Promoting consumer engagement and demand response – The DSO Role*

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## The Role of the DSO:

- Megatrends
- DSOs as interface between wholesale and retail
- New Challenges for DSOs
- European DSO diversity
- Incentivising DSOs as Neutral Facilitators
- Flexibility for Consumers
- Flexibility – the Regulatory Levers



# Megatrends for Energy

## Decarbonisation and Renewables



### Wind and Solar:

Remote, dispersed  
and variable

### Distributed Generation:

Prosumers, demand  
side and storage

## New Technology

### Hardware:

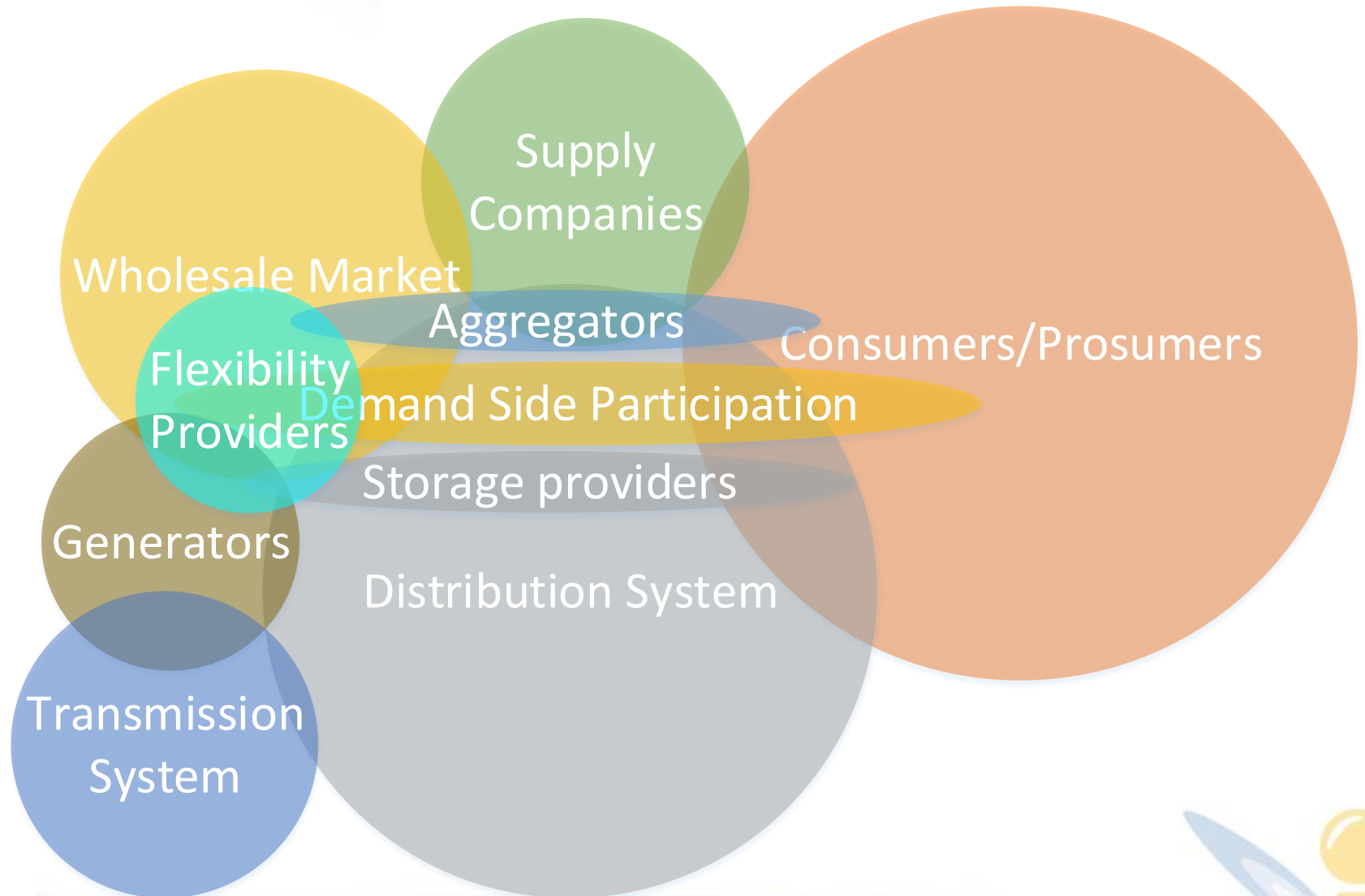
Electric Vehicles,  
Smart Heating,  
Internet of Things

### Software:

Data Management  
Block Chain  
Artificial Intelligence



## Distribution System has Central Role





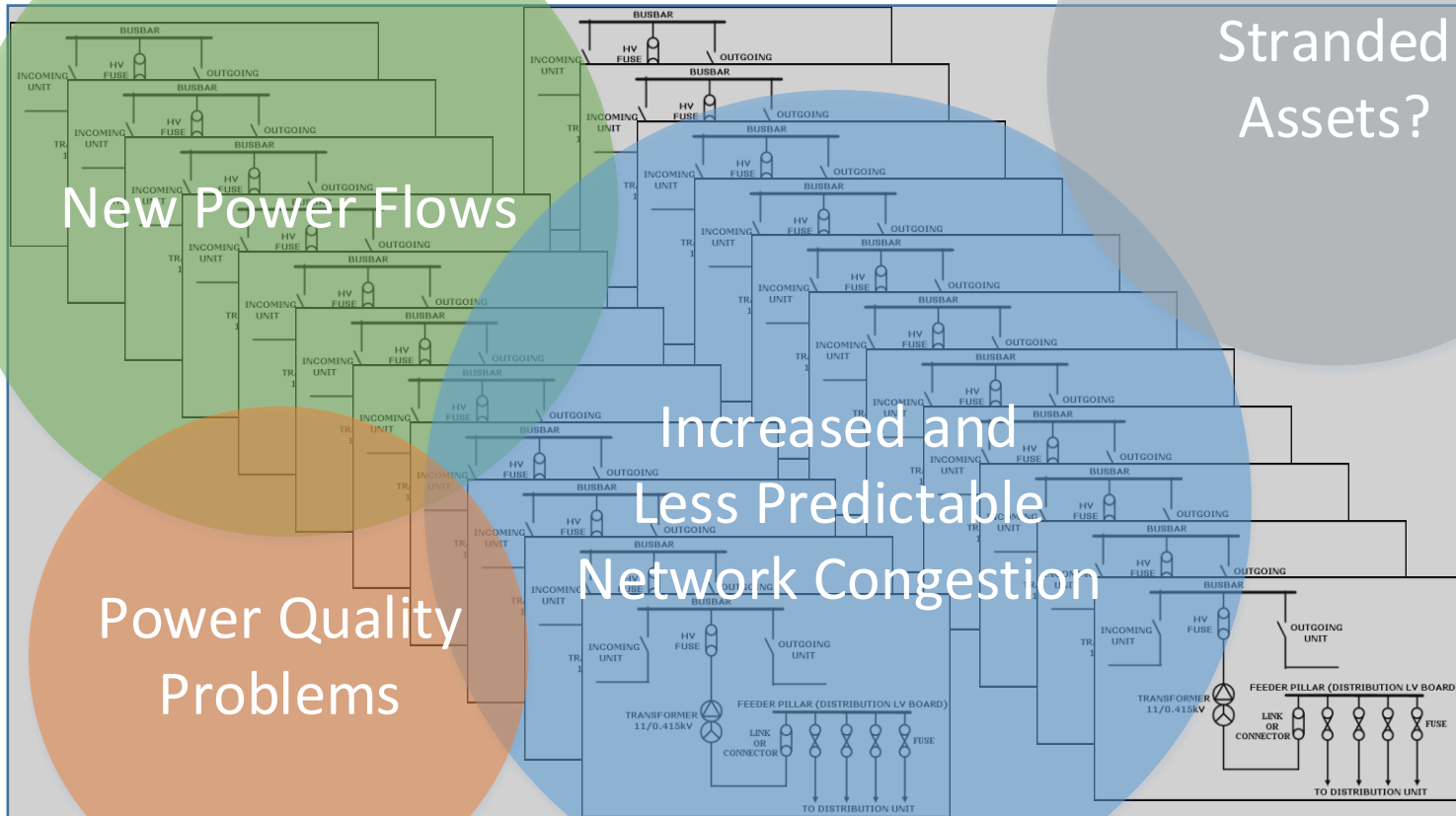
# New Challenges for DSOs

Stranded Assets?

New Power Flows

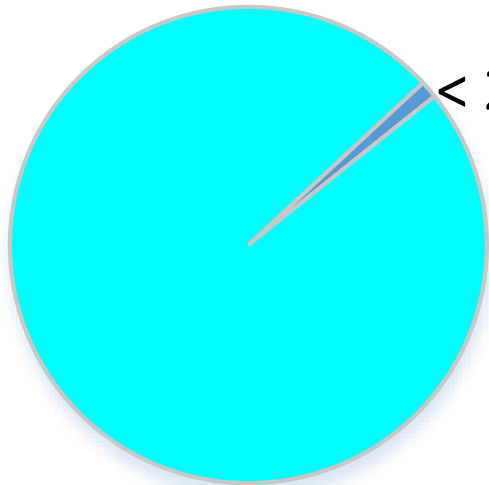
Increased and Less Predictable Network Congestion

Power Quality Problems

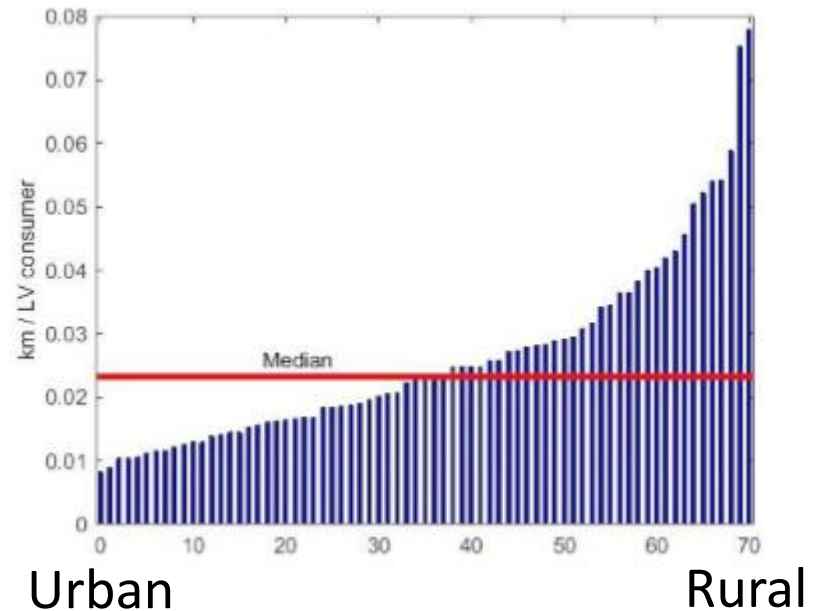


## European DSO Diversity

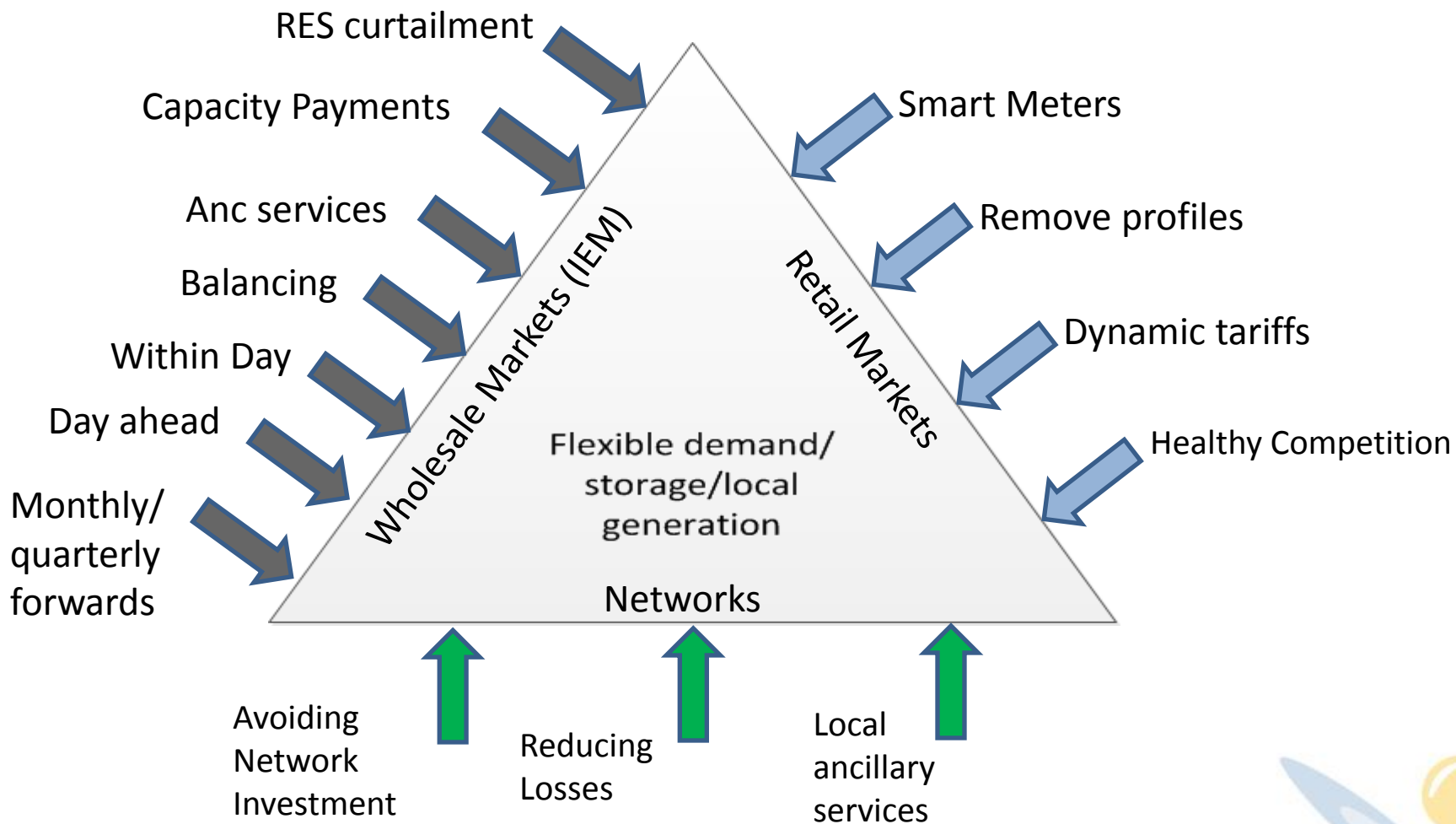
About 2400 DSOs  
across the EU



< 200 DSOs unbundled  
i.e. > 100k customers



# Drivers for Demand Side Flexibility



## The Engaged Consumer?

Is my  
Information  
private?

Can I Trust  
A Supplier?

Why bother  
Switching?

Why is it so complicated?







## Regulatory Levers

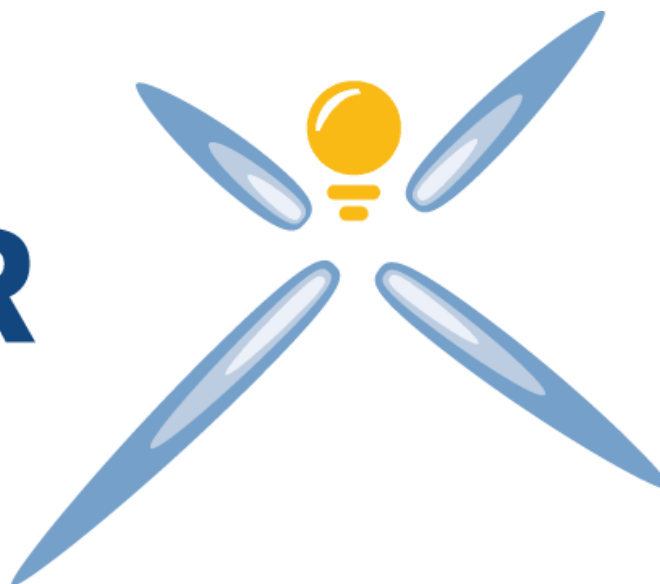
- Pan-European Internal Energy Market
- Reviewing Flexibility across Wholesale/Retail/Networks
- Promoting Smart Meters and Dynamic Retail Tariffs
- Best Practice Guidelines on DSO tariffs, incentives, flexibility, etc.
- European Commission's "*Clean Energy for All Europeans*" Package



# Thank you for your attention!

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