



Regionalism...

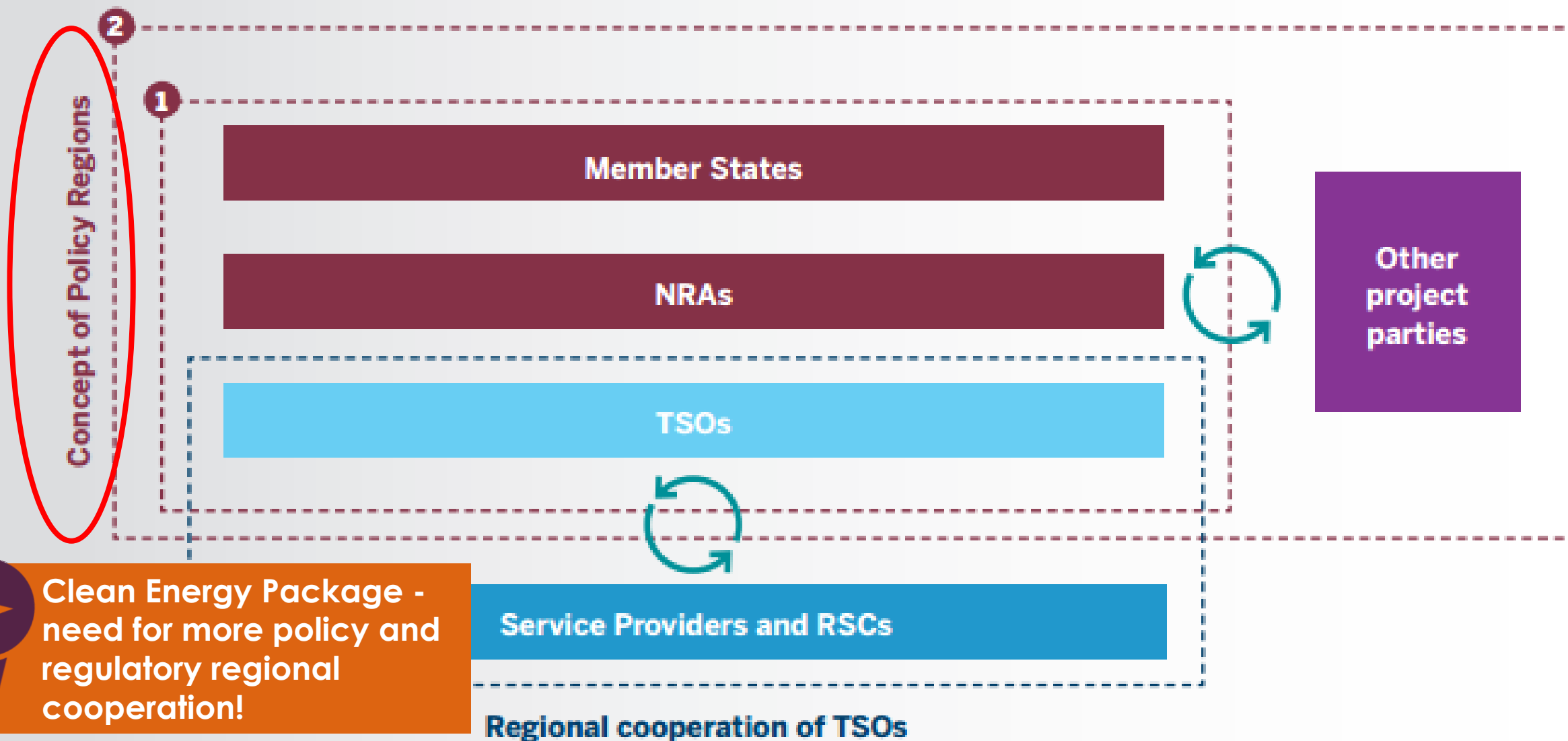
a concept takes shape in the

energy sector

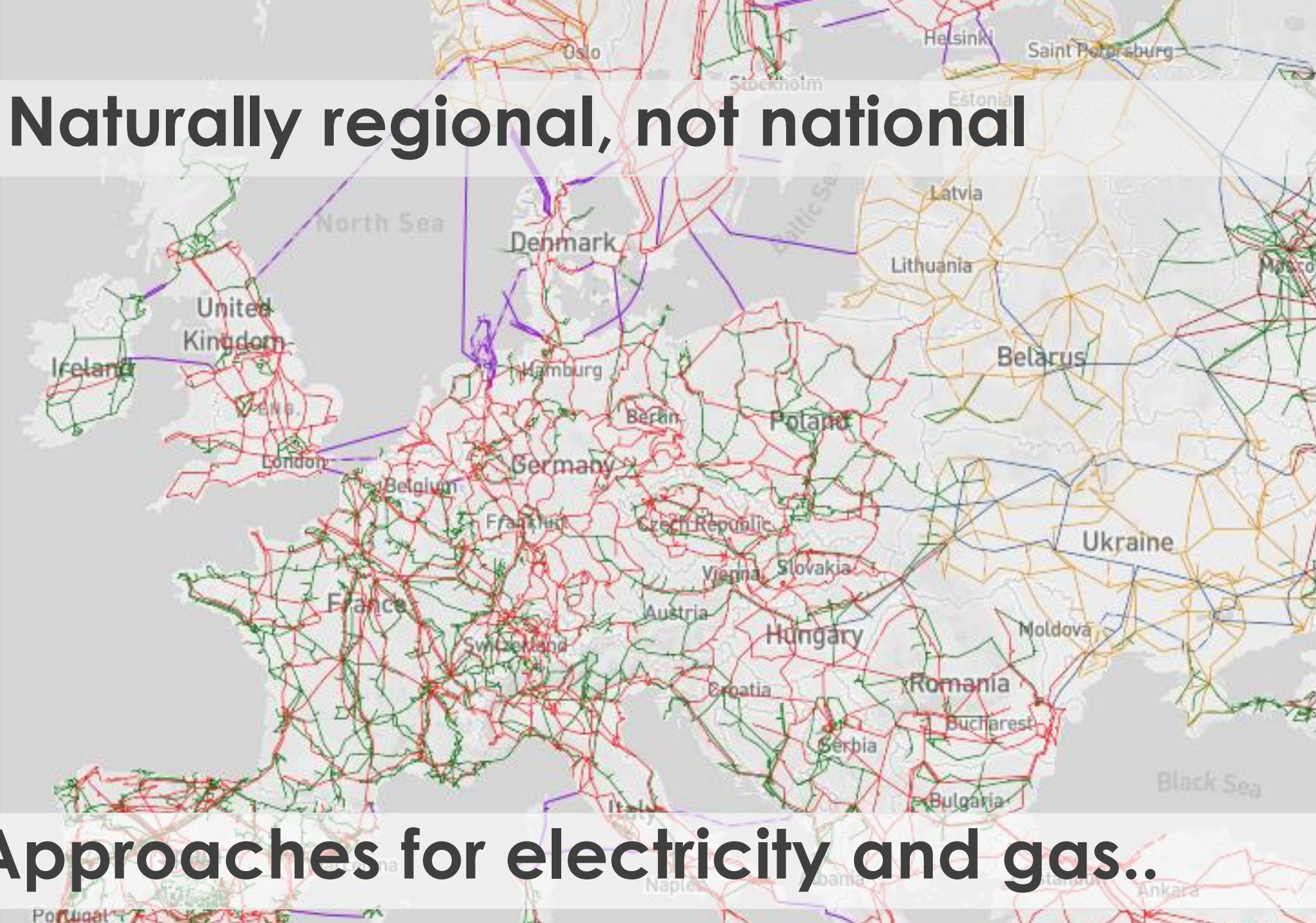
Susanne Nies
ENTSO-E

**The Energy Unions' Governance,
College d'Europe, Bruges, 7 March 2017**

WHAT IS ENHANCED COOPERATION?



Naturally regional, not national

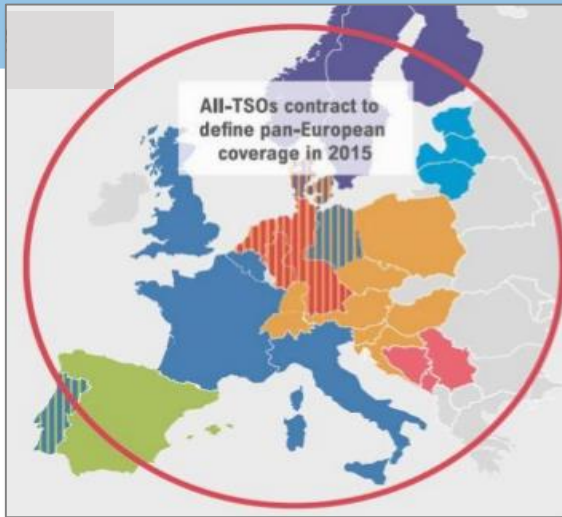


Approaches for electricity and gas..

The regional network approach

Market:

- Internal Energy Market started as Regional: DA, ID, Balancing. Voluntary projects. CACM adoption and implementation

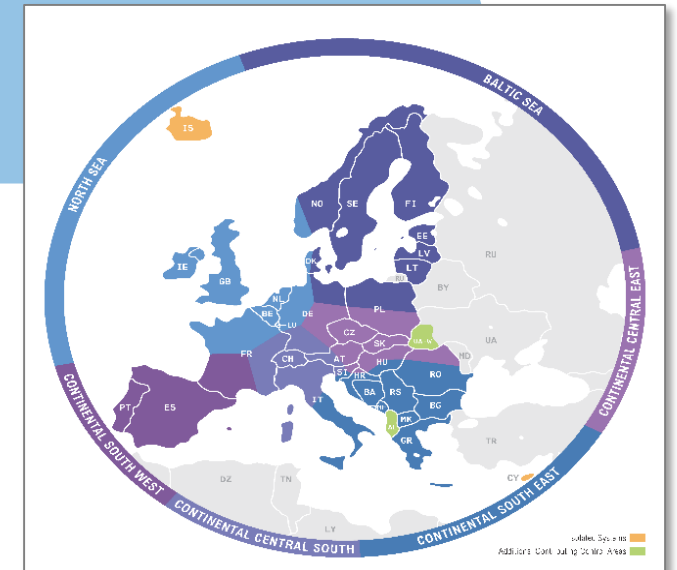
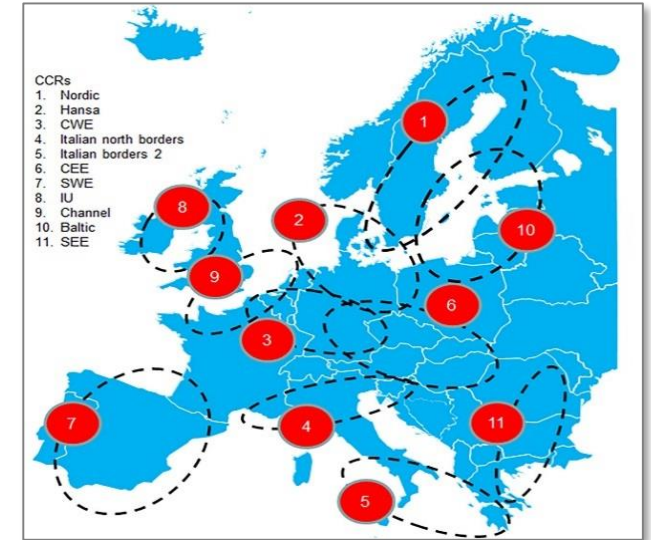


Operation:

- RSPs through TSO cooperation early on: functions already defined and established or in the process of establishment

Planning:

- TYNDP Regional Investment plans. Regional work on the network codes.



REGIONAL TSO COOPERATION CENTERS (RSCs) ALREADY EXIST AND ARE PLAYING AN IMPORTANT ROLE

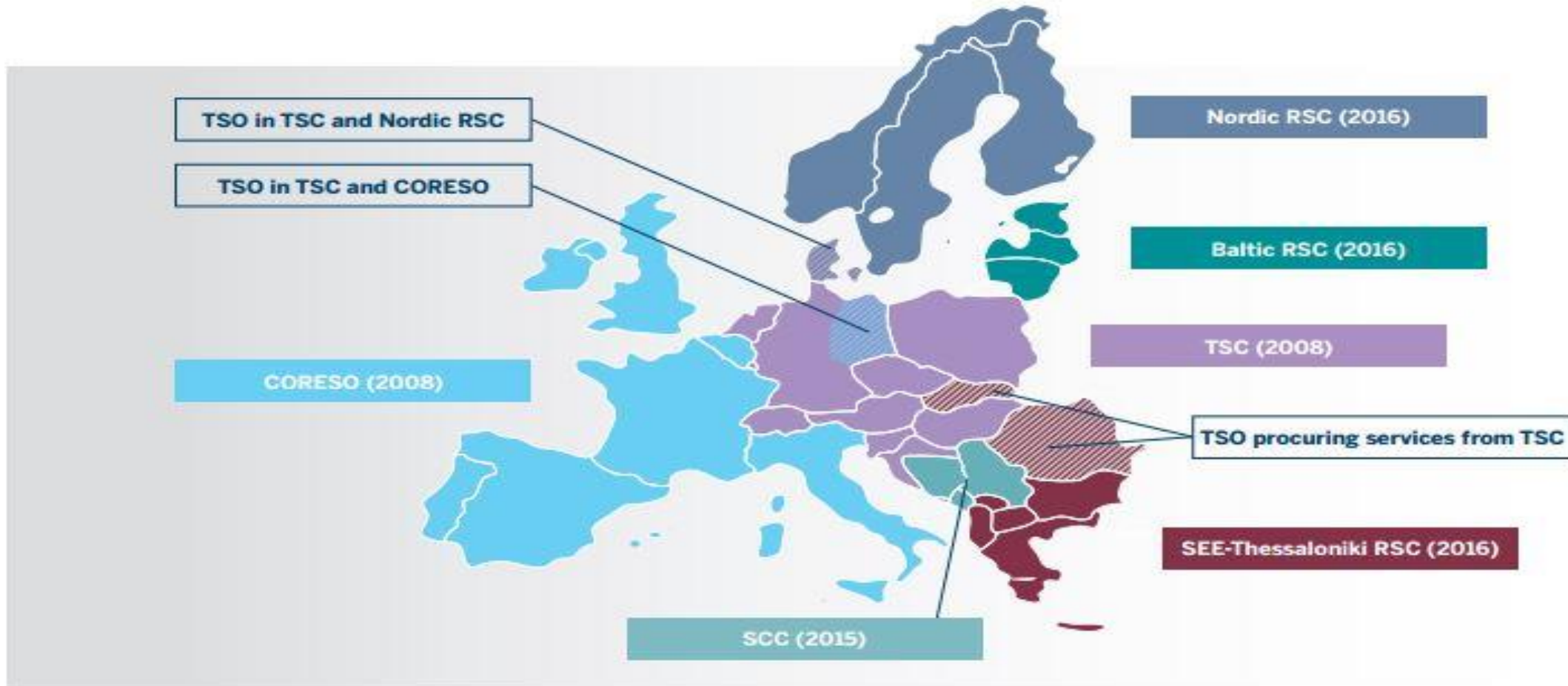


Figure 8: Expected structure of the six RSCs by end of 2017. Source: FTI-CL Energy based on ENTSO-E
Notes: Year when the RSC became, or is to become, established is shown in brackets.

REGIONAL COORDINATION: WHAT IS ALREADY IN THE CODES

Mandatory role for Regional Security Coordinators

TSOs remain responsible for operational security of their control areas but **TSOs have an obligation to cooperate in RSCs**

Coordinated System Operations

For example under the System Operation Guideline (art 78) each RSC issues a **coordinated** regional operational security assessment with a proposal for **remedial actions**

Regional monitoring & reporting

Under the Guideline, ENTSO-E publishes an **Annual Report** on regional coordination with **number of cases where TSOs refuse to implement the actions recommended by RSCs**

Coordinated emergency preparedness

The Emergency and Restoration code (art 6) tasks **RSCs to assess the consistency of measures taken by TSOs** for a synchronous area

With the EU network codes, regional cooperation is no longer an option but an obligation!

REGIONAL COOPERATION TIMELINE

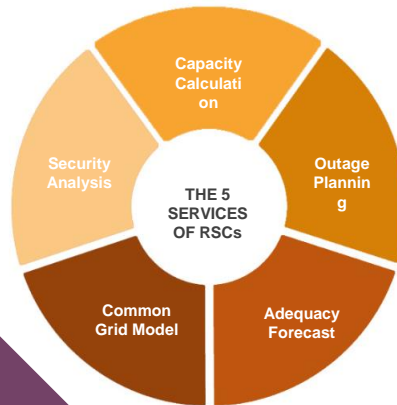
2016

2018

2020

2022 and beyond

- CORESO (2008)
- TSC (2008)
- SCC (2015)
- Baltic RSC (2016)
- SEE-Thessaloniki RSC (2016)
- Nordic RSC (2016)

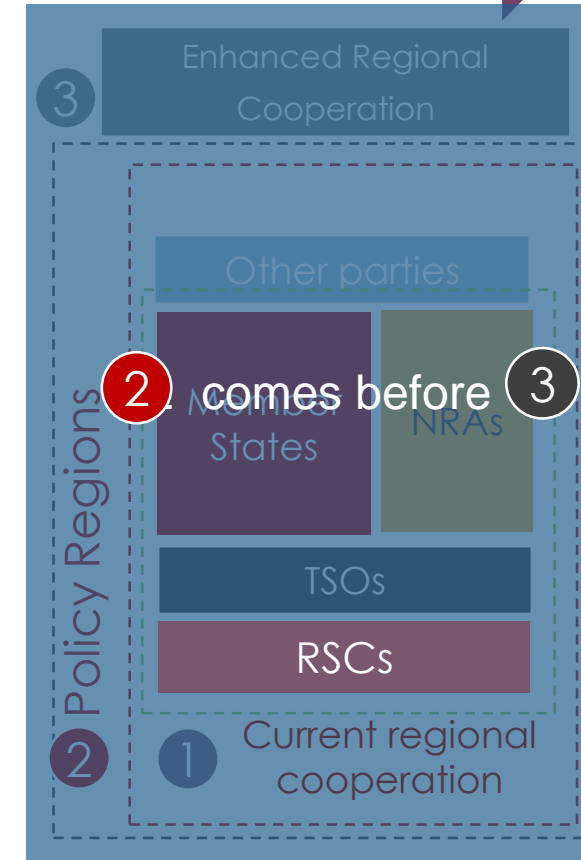


6 RSCs established

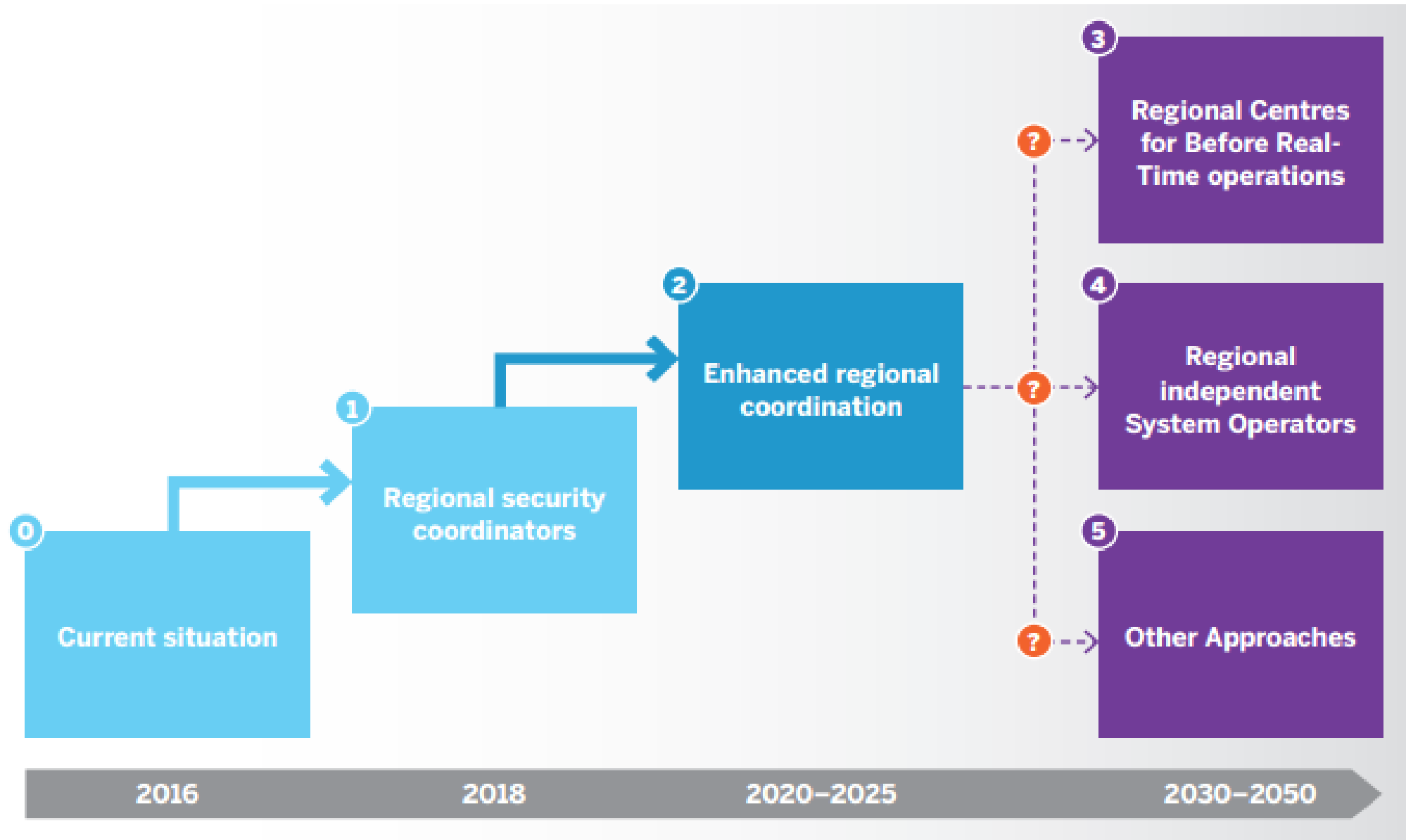
5 coordinated services

8 NCs & Guidelines implemented

Policy regions & Enhanced cooperation



OPTIONS POST 2020: ENHANCED REGIONAL COOPERATION (FTI)



IN SUMMARY

The **RSCs** model that is implemented under the EU Network Codes is **dynamic and flexible**. A **big advantage** in a fast changing power landscape!

It can be enhanced further by **strong political cooperation** at regional level.

It **avoids unnecessary risks** to the safety and security of the system.

We are open to discuss any model that reduces regulatory gaps, increases policy coordination, gives more roles to the regional level to better serve consumers without endangering security of supply

THANK YOU FOR YOUR ATTENTION

The logo for entsoe, featuring the word "entsoe" in a white, lowercase, sans-serif font. The final "e" is stylized with a blue circular graphic element behind it. The logo is centered on a dark blue background with a pattern of golden-yellow stars, similar to the European Union flag.

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FUTURE RSCs' ROLES WITH ENHANCED REGIONAL COOPERATION – THE FTI STUDY

OPERATIONAL PLANNING	<ul style="list-style-type: none">▪ Coordination & optimisation of remedial actions▪ Regional capacity calculation based on TSOs' raw data▪ Short-term system adequacy assessment, including seasonal outlooks, and identification of actions when tight situations are foreseen
BALANCING	<ul style="list-style-type: none">▪ Update the common grid model & capacity calculation for the balancing time frame, contribute to merging merit order lists and host IT▪ Regional analyses for TSOs on possibilities of sharing of reserves, enhanced dimensioning of balancing reserves, and reservation of cross-border capacity for the exchange of balancing reserves▪ A TSO regional procurement of balancing reserve platform/service
SYSTEM ADEQUACY	<ul style="list-style-type: none">▪ Regional mid term system adequacy assessment▪ Analyse on need or not for system adequacy mechanisms (SAMs)▪ Contribute to analysis of parameters for system adequacy mechanisms (for example, cross-border contribution)
NETWORK PLANNING	<ul style="list-style-type: none">▪ Perform cost-benefit analysis for specific regional projects▪ Perform studies to identify grid investment needs with a regional perspective (supporting for example the 10-year network development plan)

