

Joint European Stakeholder Group

ENTSO-E / TYNDP / Projects of Common Interest

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Reliable Sustainable Connected

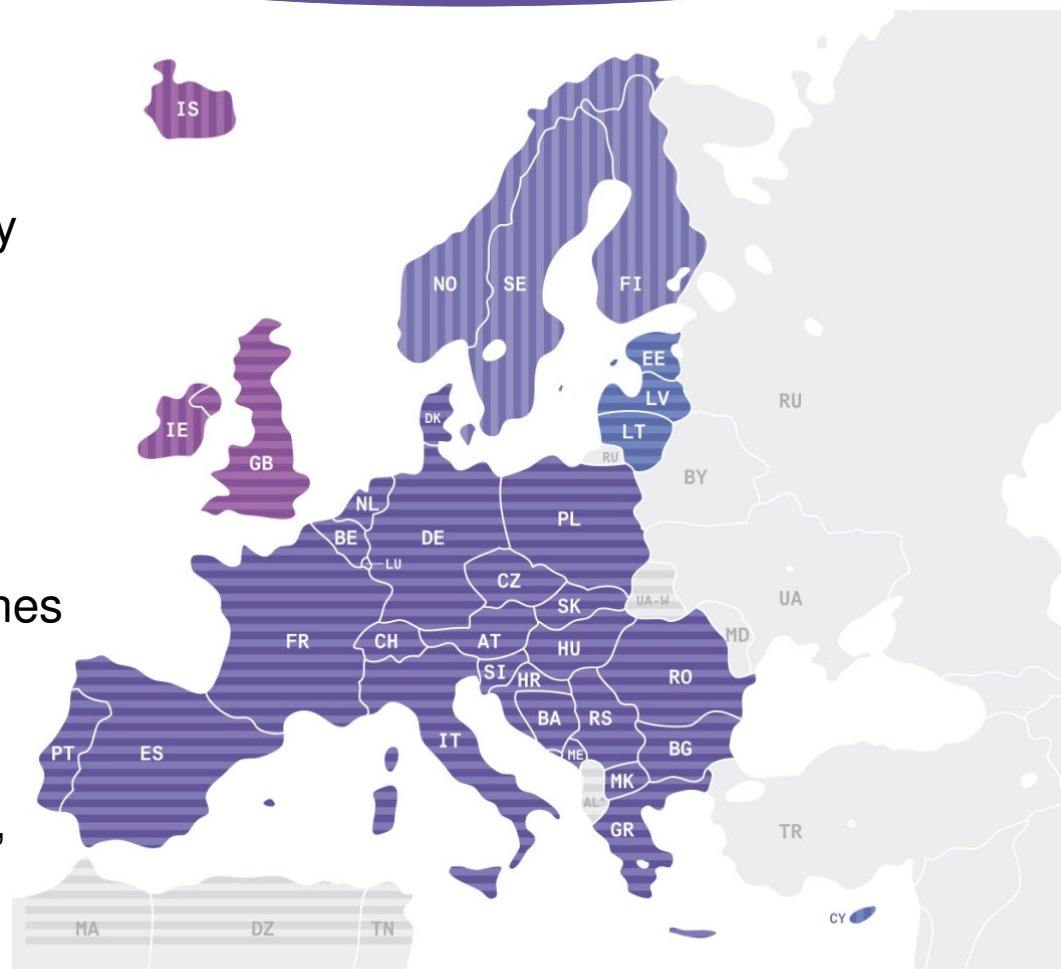
Agenda



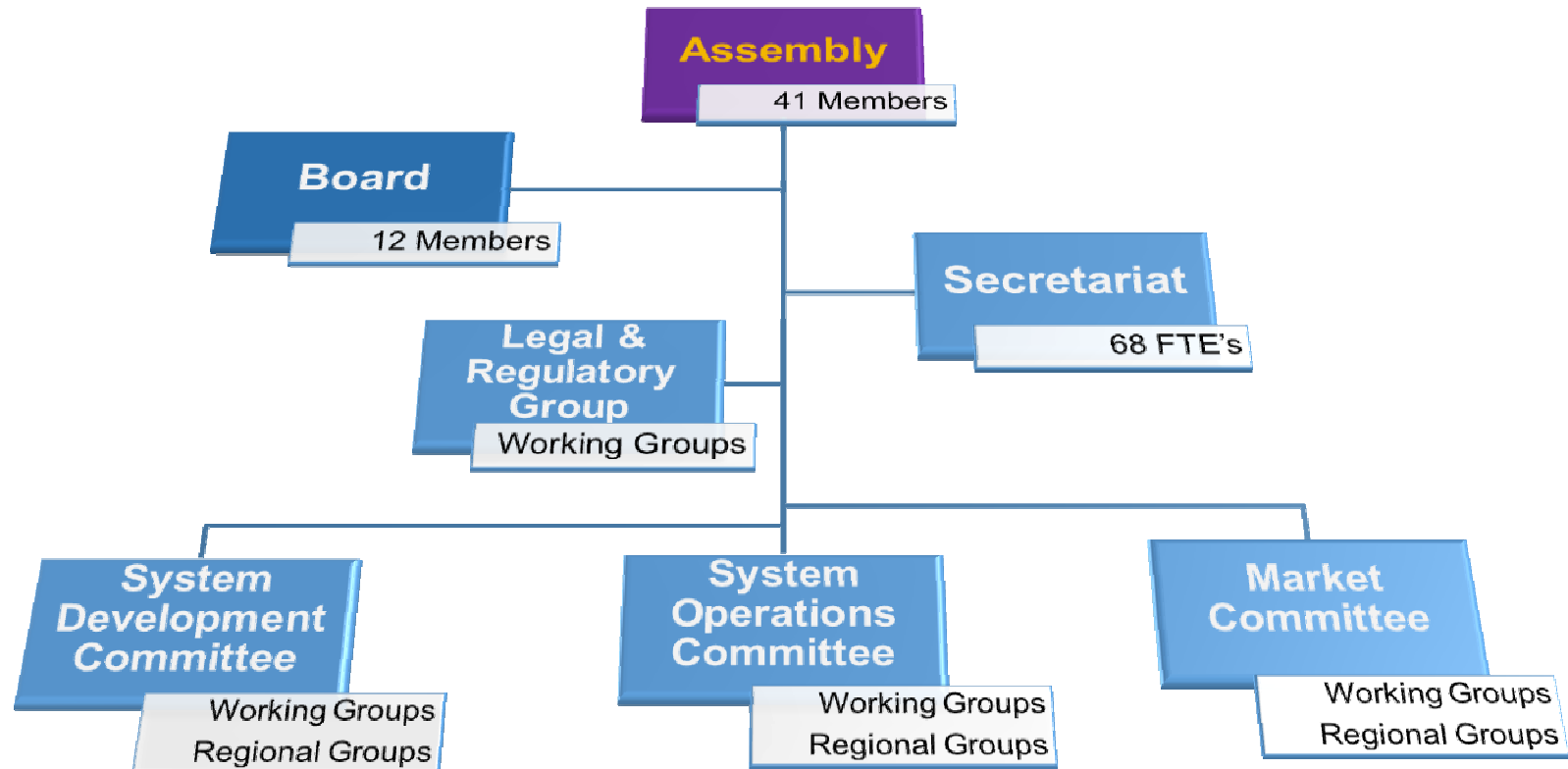
- Introductions
- ENTSO-E as an organization
- My experience inside ENTSO-E
- Regulatory Framework
- Projects of Common Interest
- Ten Year Network Development Plan

We are ENTSO-E

- 41 TSOs from 34 countries
- Founded on 19 Dec 2008 and fully operational since July 2009
- A trans-European network
 - 525 million citizens served
 - 828 GW generation
 - 305,000 Km of transmission lines
 - 3,300 TWh/year demand
 - 400 TWh/year exchanges
- Legal mandate, including TYNDP, based on Reg. (EC)714/2009



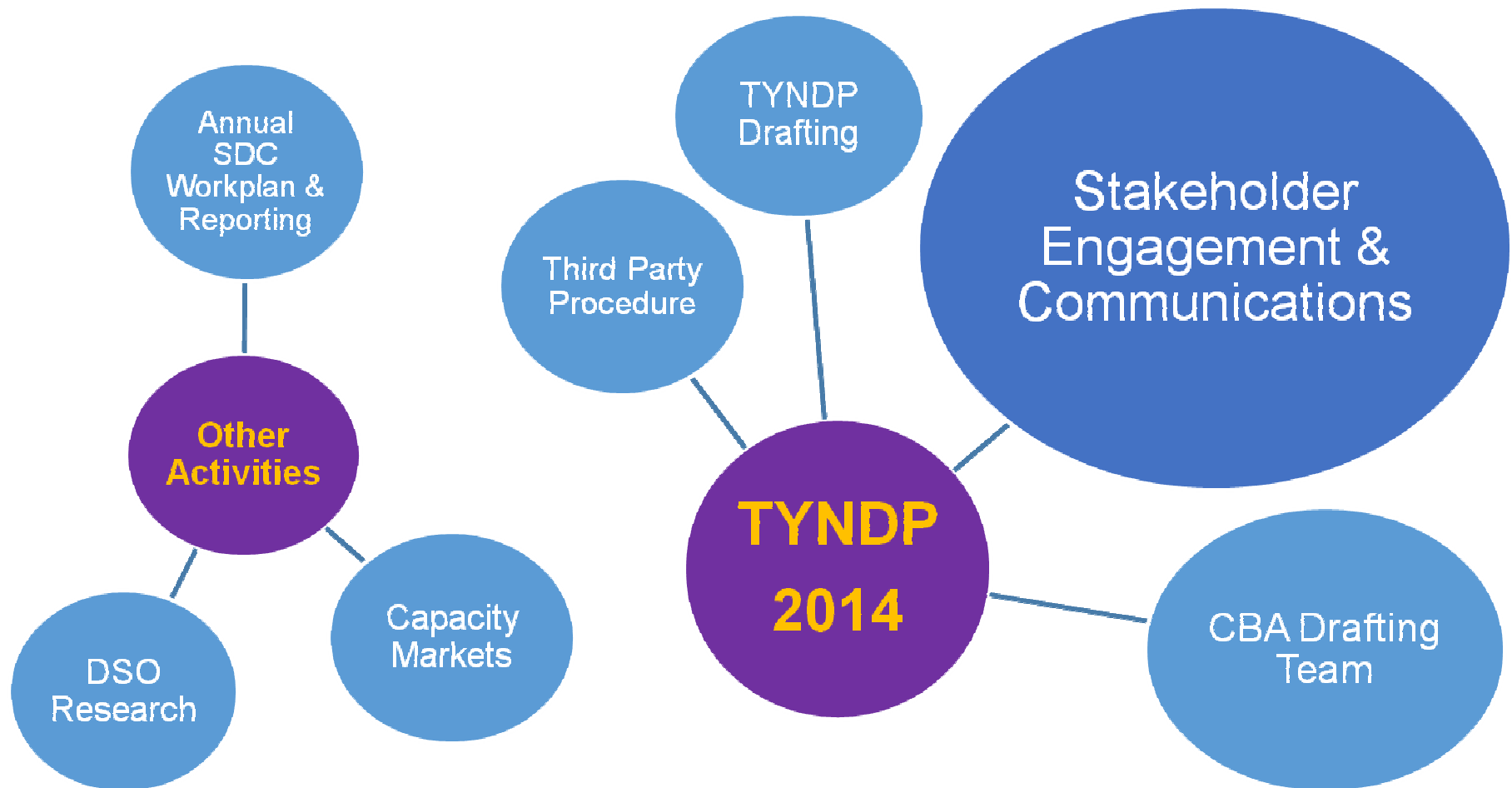
Organisational Structure



Cultural Observations

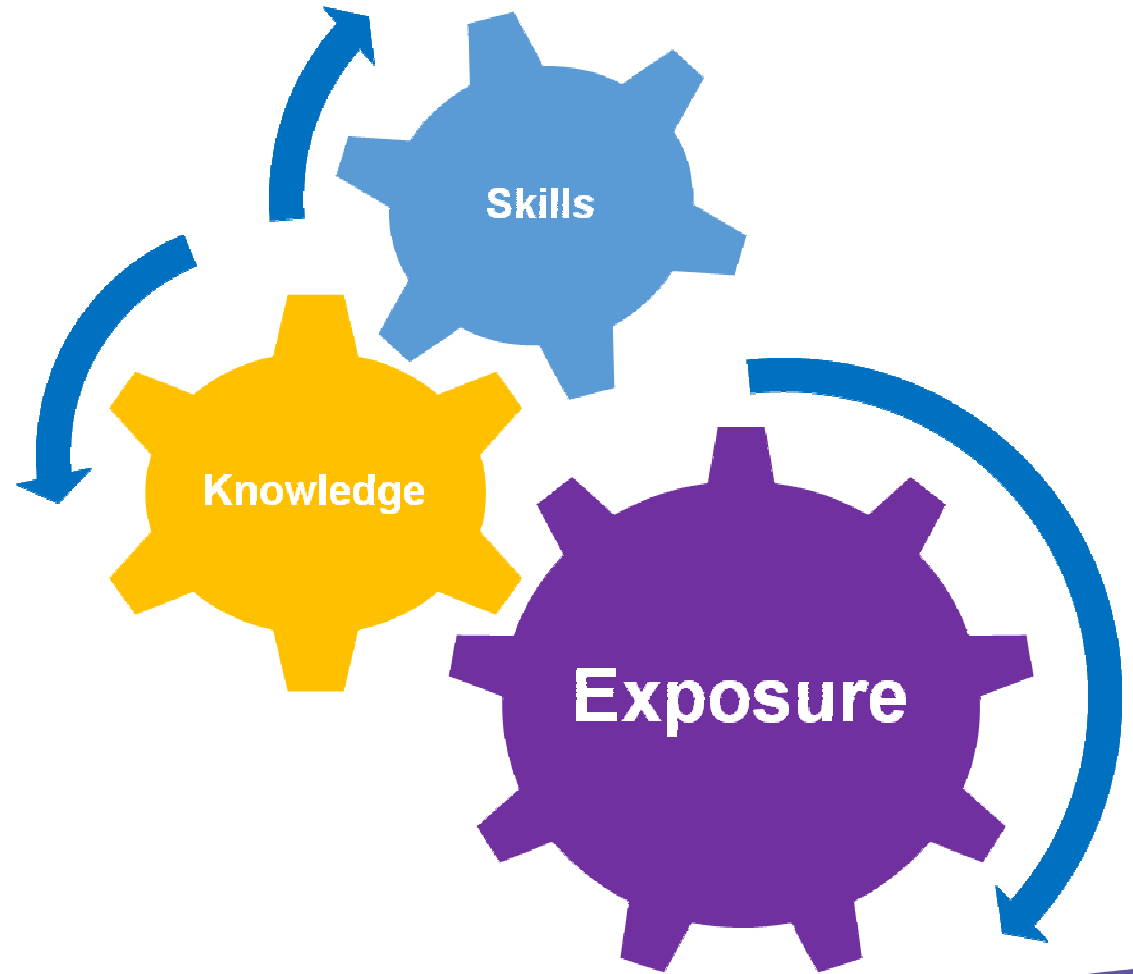
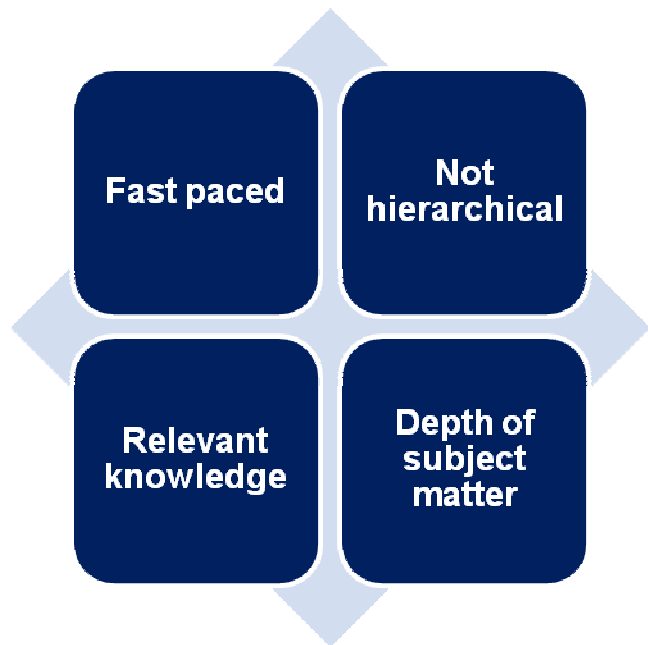


My Areas of Work



Advantages for a Graduate

Working Environment

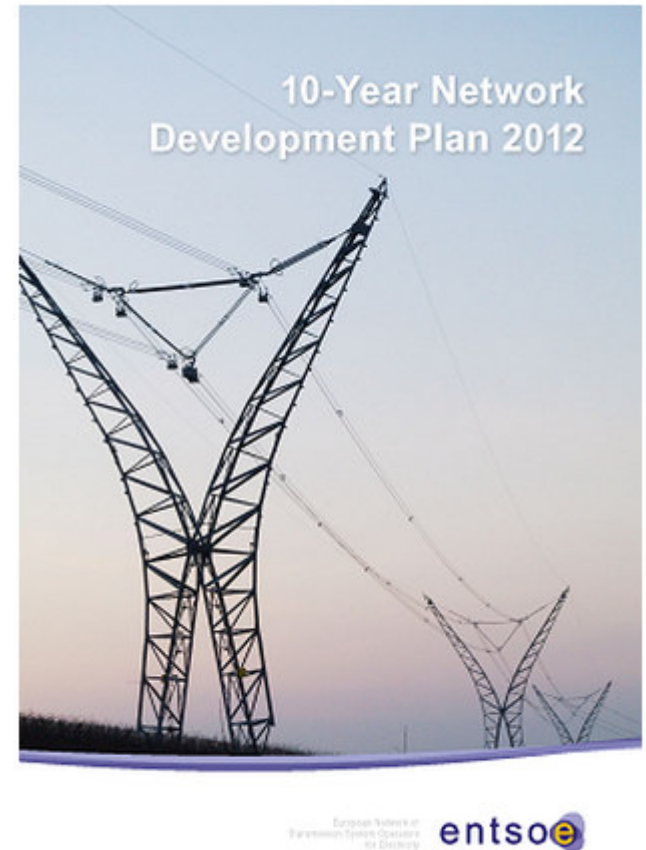


Regulatory Framework

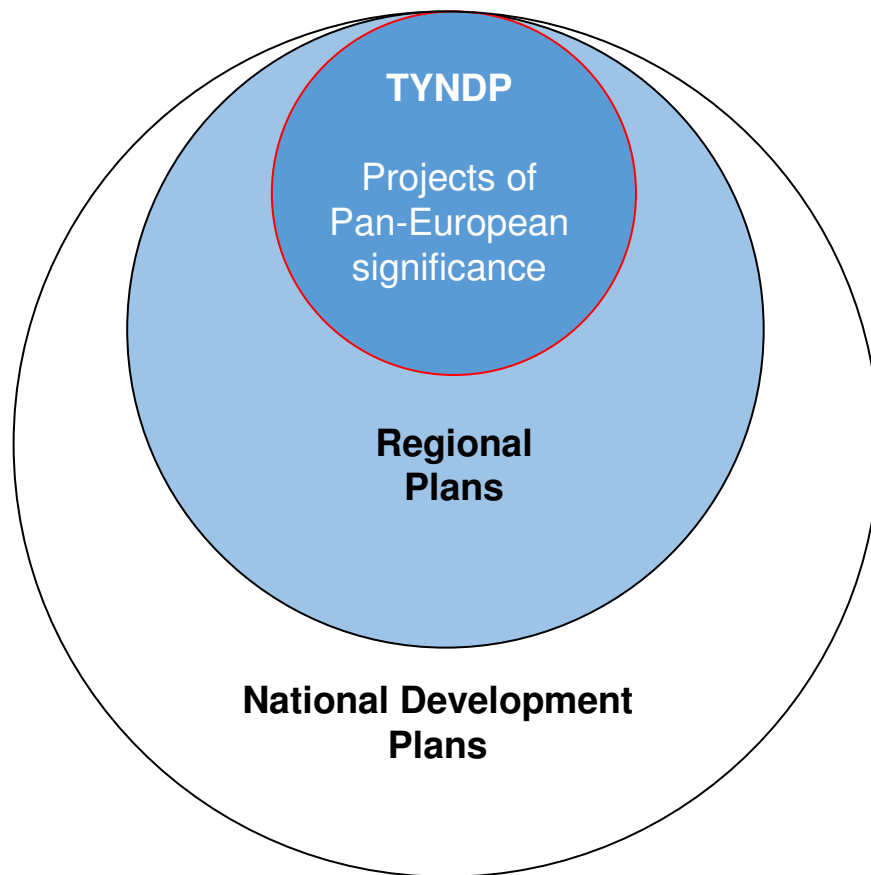
Third Energy Package	Energy Infrastructure Package
EC Directive 2009/72 and Regulation 714/2009	Regulation 347/2013
<ul style="list-style-type: none">• Deliver network codes• Pan-European TYNDP• Role in market integration, adequacy and R&D	<ul style="list-style-type: none">• Cost-benefit analysis methodology for Projects of Common Interest (PCI)• Make TYDNPs sole basis for selection of PCI

Ten Year Network Development Plan

- Every two years; next is late 2014.
- Assesses projects of 'pan-European significance' planned for 10 years (+)
- Benefits of project assessed:
 - 'Economic welfare', 'security of supply impact', 'RES integration' & impacts on system.
- Four visions (scenarios) used:
 - 2 levels of Euro integration
 - 2 levels of RES generation



Projects of Pan-European significance



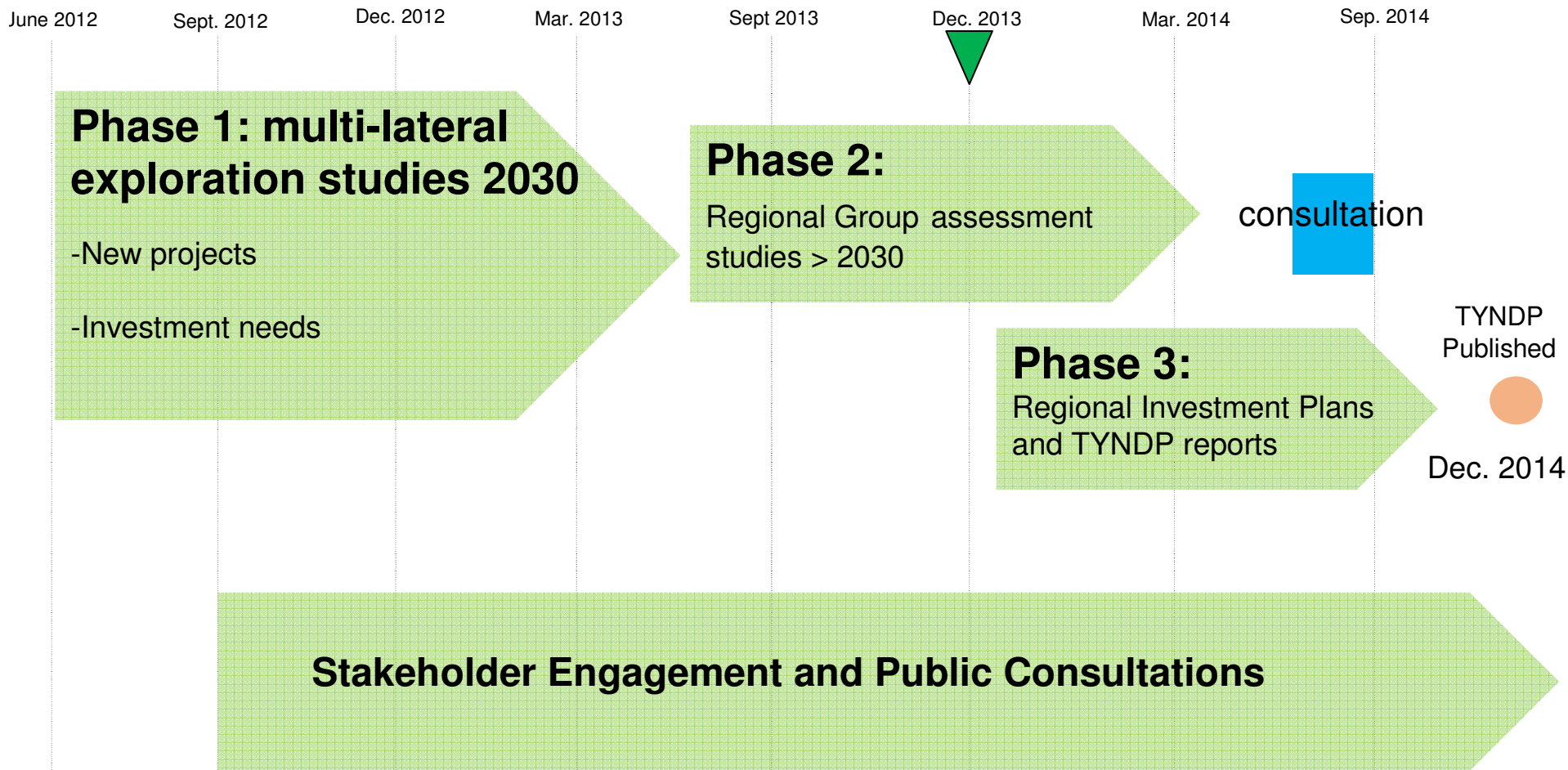
Projects of Pan-European Significance

Contributing to EU energy targets:
RES, SoS, IEM

Voltage & capacity thresholds

TSOs & 3rd party projects

TYNDP 2014 Process



Projects of Common Interest (PCI)

- Supported by Energy Infrastructure Package
- PCI is a transmission or storage project that benefits two or more member states
- Benefits;
 - Faster permitting
 - Regulatory assistance
 - Financial support; investment instruments and grants (up to 5bn euros)

TYNDP 2014 & PCI Selection

- Harmonized EU energy system-wide CBA
- After the First Union PCI List (2013), the TYNDP of ENTSO-E is the sole basis for the PCI selection.
- Both Transmission and Storage projects shall be included in TYNDP.
- Both TSOs and Third Party Projects can be nominated for the TYNDP.

**TYNDP
projects**

**Candidate
PCIs**