

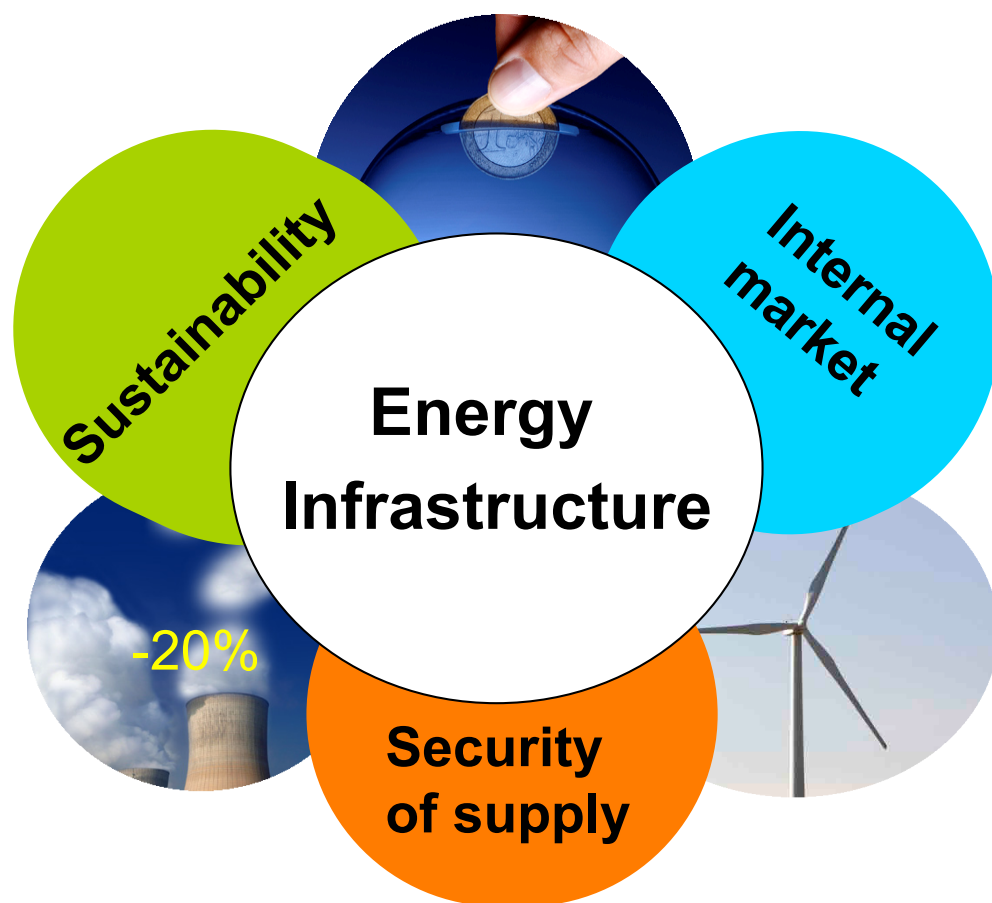


Trans-European energy infrastructures

The new Guidelines and the Connecting Europe Facility

Kitti Nyitrai, Policy officer
European Commission
DG Energy
Internal Market I: Networks and Regional Initiatives

Infrastructure is at the heart of our energy and climate policy goals

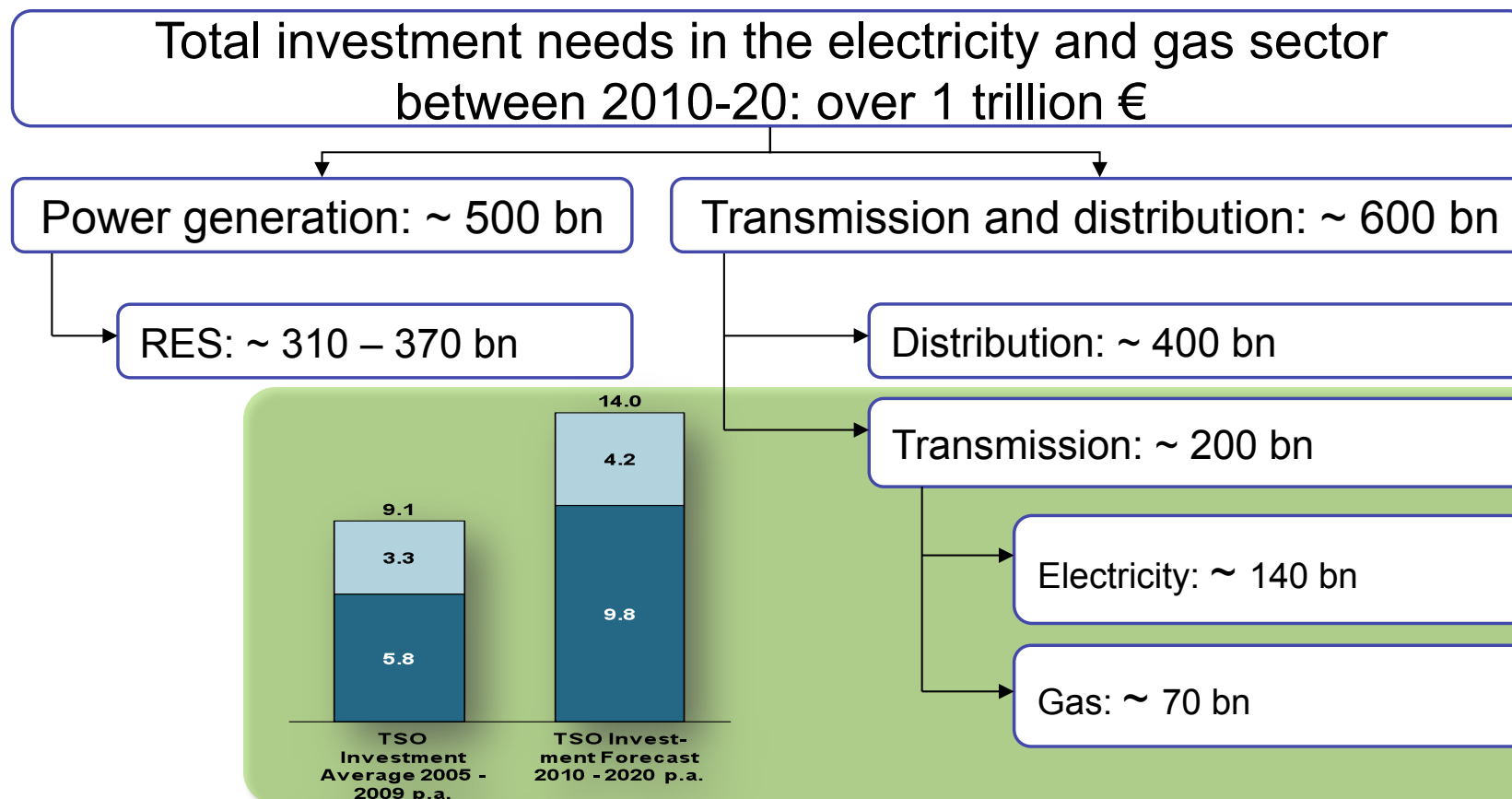


Infrastructure targets:

- 10% electricity interconnections (2002 Barcelona)
- N-1 standard and reverse flows in gas (2010 SoS regulation)
- 2014 to complete IEM
- 2015 end isolation (2011)

<http://ec.europa.eu/avservices/video/player.cfm?ref=I066875>

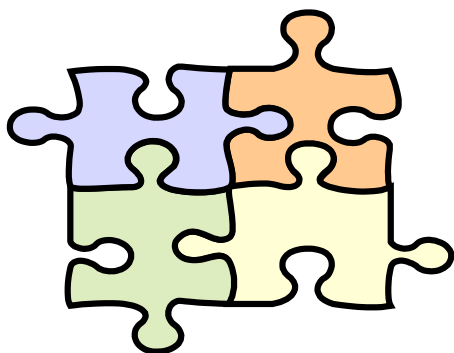
The EU energy system will need substantial investment to get fit for 2020 and beyond



NB: approximative figures, mainly from DG ENER calculations based on Energy data from PRIMES, ENTSOs, KEMA etc.

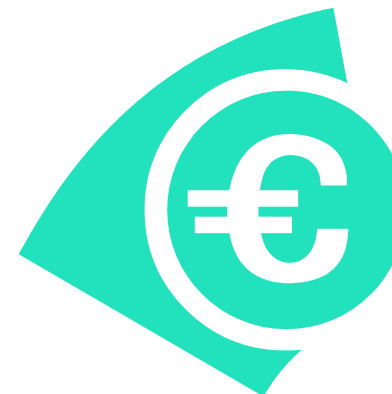
What remain the biggest challenges for infrastructure development?

Permitting and public acceptance



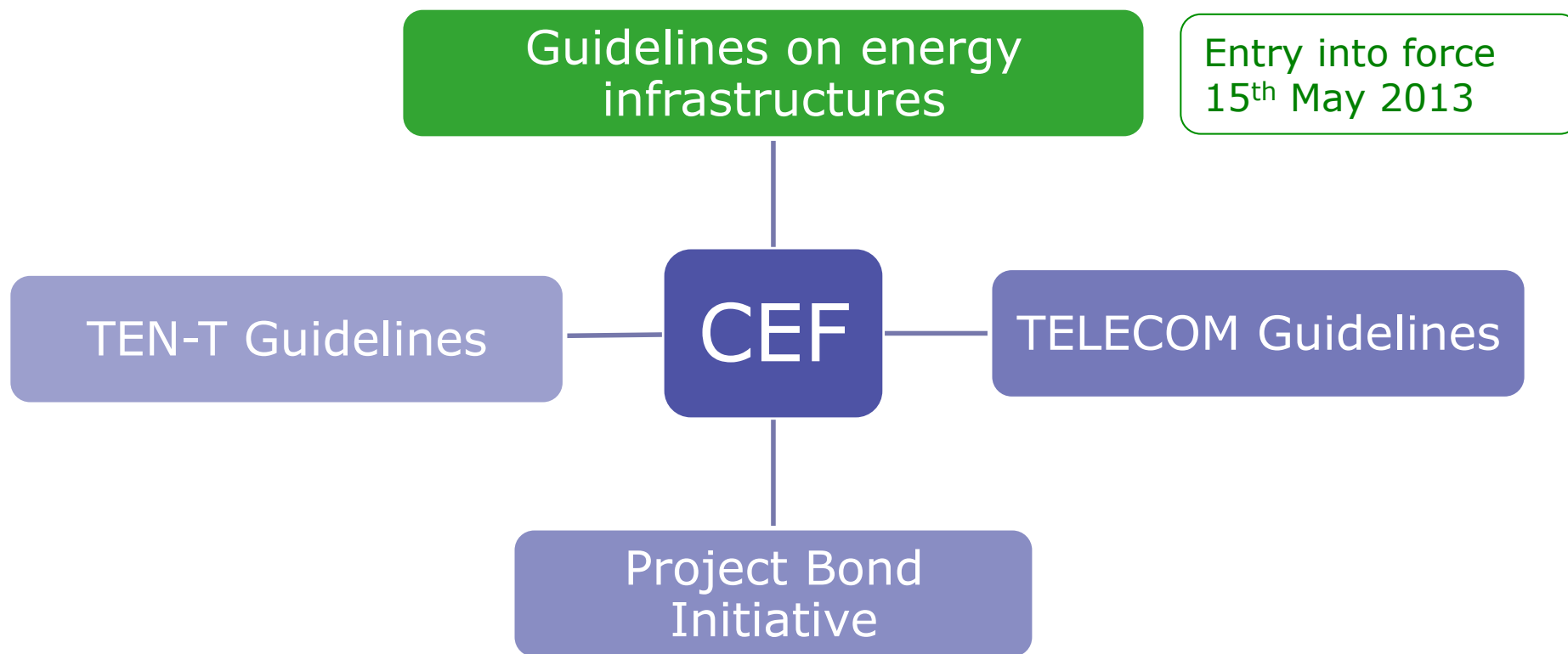
Coordination, diverging interests

Financing, investment challenge, crisis



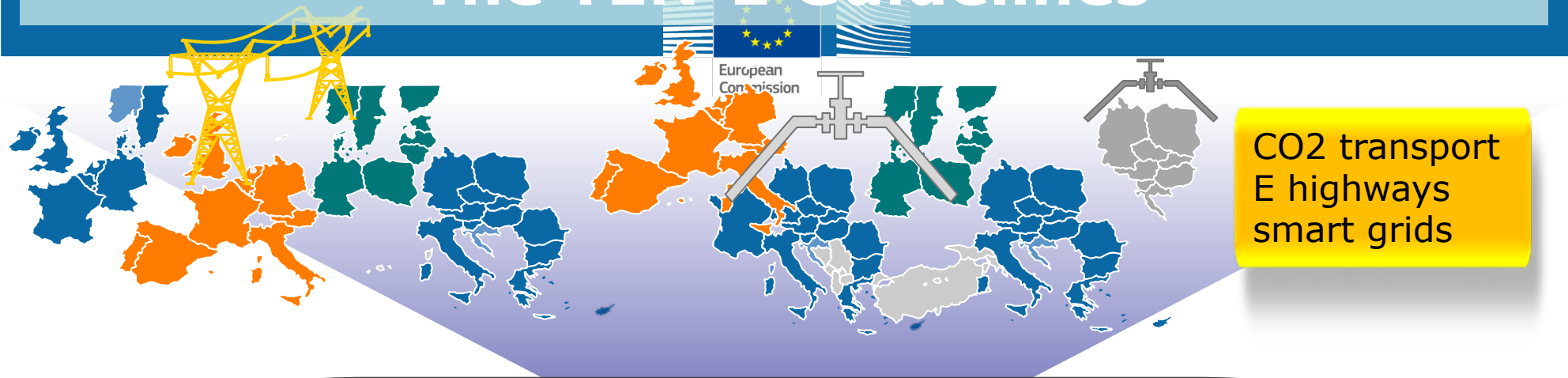


Legislative proposals



<http://ec.europa.eu/avservices/video/player.cfm?ref=I075080&videolang=en&sitelang=en>

The TEN-E Guidelines



Criteria / CBA

~ 200 PCIs

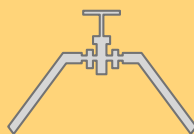
**Accelerated
permit
granting**

**Regulatory
measures**

**EU financial
assistance**



The first Union list of projects of common interest



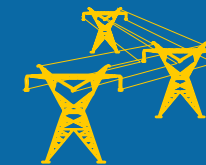
***55 clusters of
107 PCIs in gas***



***66 clusters of
132 PCIs in electricity***

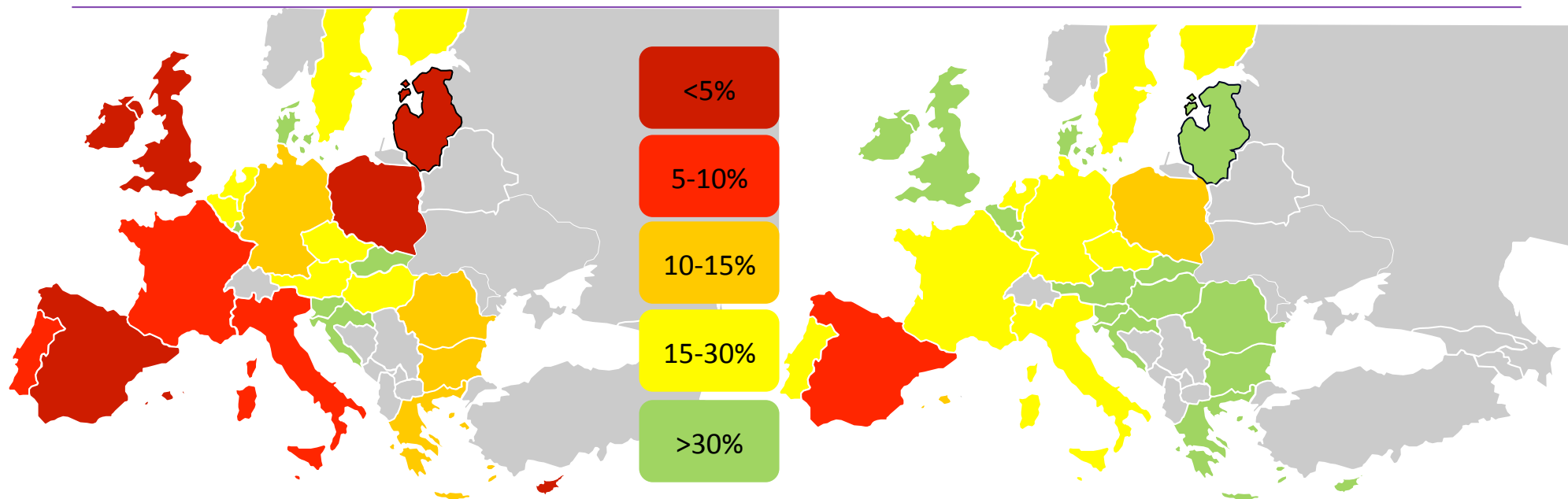
***7 PCIs in oil
2 PCIs in smart grids***

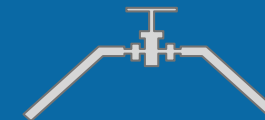
Total : 248 PCIs



Impact of PCIs – electricity interconnection levels before & after PCI implementation

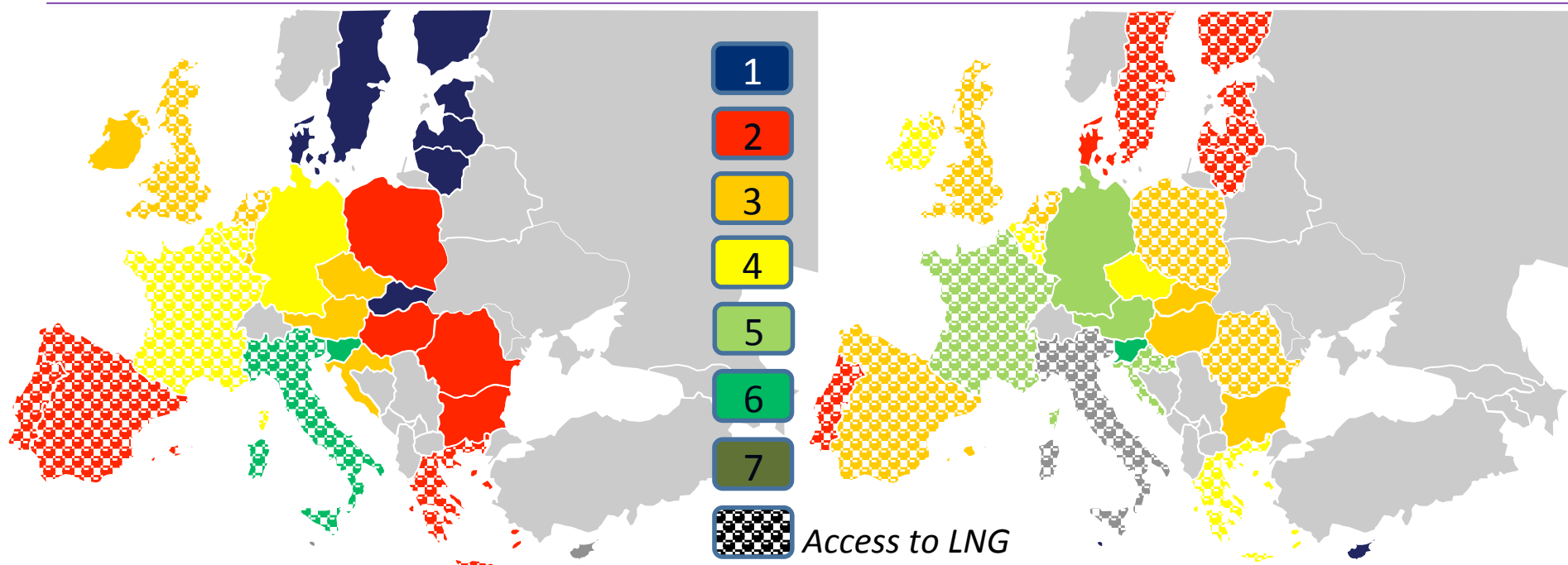
Interconnection levels (Import capacity/net generation capacity)



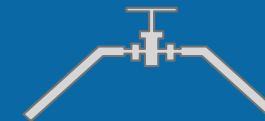


PCIs support access to new resources

Number of supply sources a country may potentially access to through infrastructure (at least 5% share) – before and after (2022)

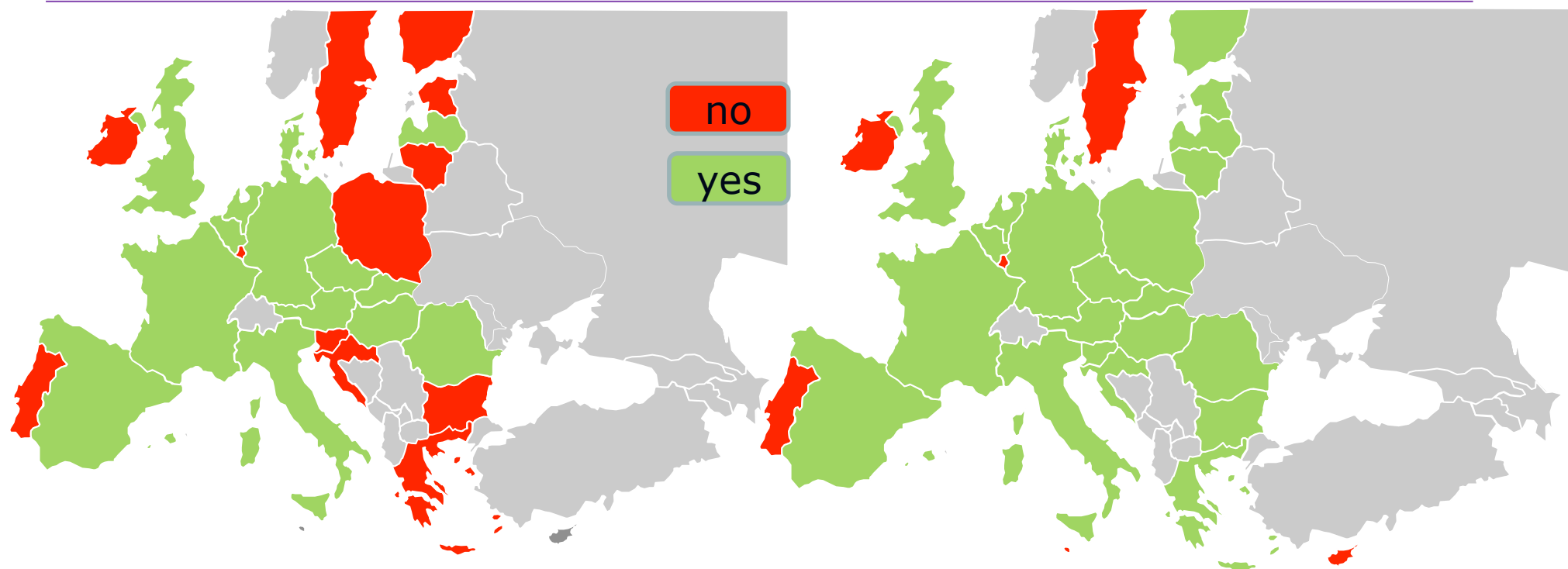


Supply Sources: Azerbaijan (new source), Algeria, Lybia, Norway, Russia, National Production, LNG (one source)
do not prejudice any commercial contracts



Impact of PCIs on the Security of Supply

Compliance with the N-1 infrastructure standard – before and after (2022)



Reference: Art. 9 of Regulation No 994/2010

Source: Commission

Energy

Accelerate permit granting

Priority

- Most preferential treatment in Member States
- Streamlining of EA procedures

**ONE
STOP
SHOP**

Competent Authority to manage
permit granting process

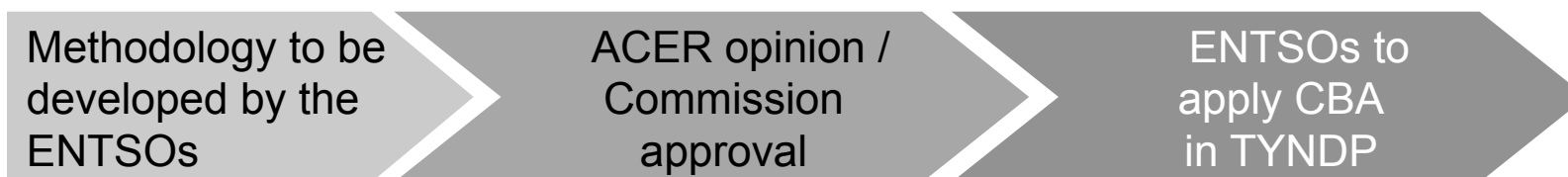


3 and a half years time limit for the
permit granting decision

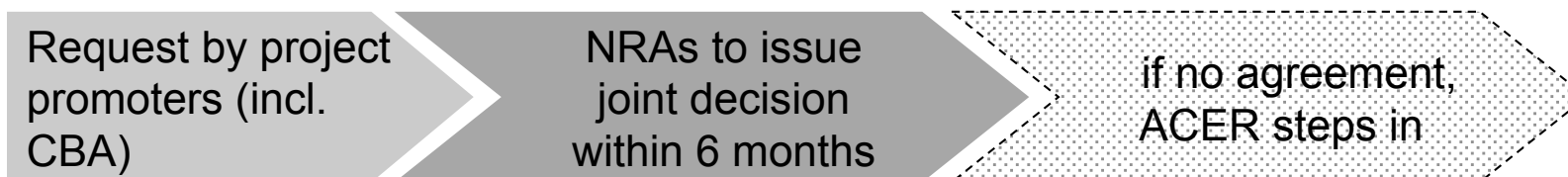
Increased ***transparency*** and
enhanced public participation

Regulatory framework - measures

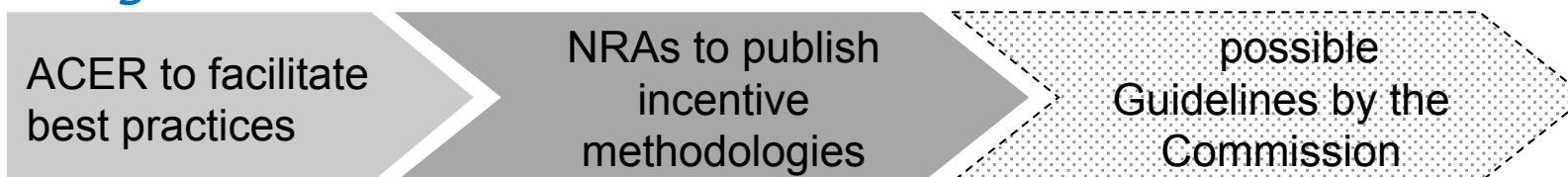
*Energy system-wide **cost-benefit analysis***



Cross-border cost allocation



*Long-term **incentives** for investment*





Financing – Connecting Europe Facility 2014-2020 – EUR 5,8 bn



- **Eligibility criteria:**
 - Grants for studies and financial instruments – available to all PCIs
 - In exceptional cases, grants for works for PCIs where:
 - CBA shows positive externalities
 - Commercially not viable
 - Cost-allocation decision done

No financial assistance for oil projects

No grants for works for hydro-pump storages and projects exempted from TPA or tariff regulation



Thank you for your attention

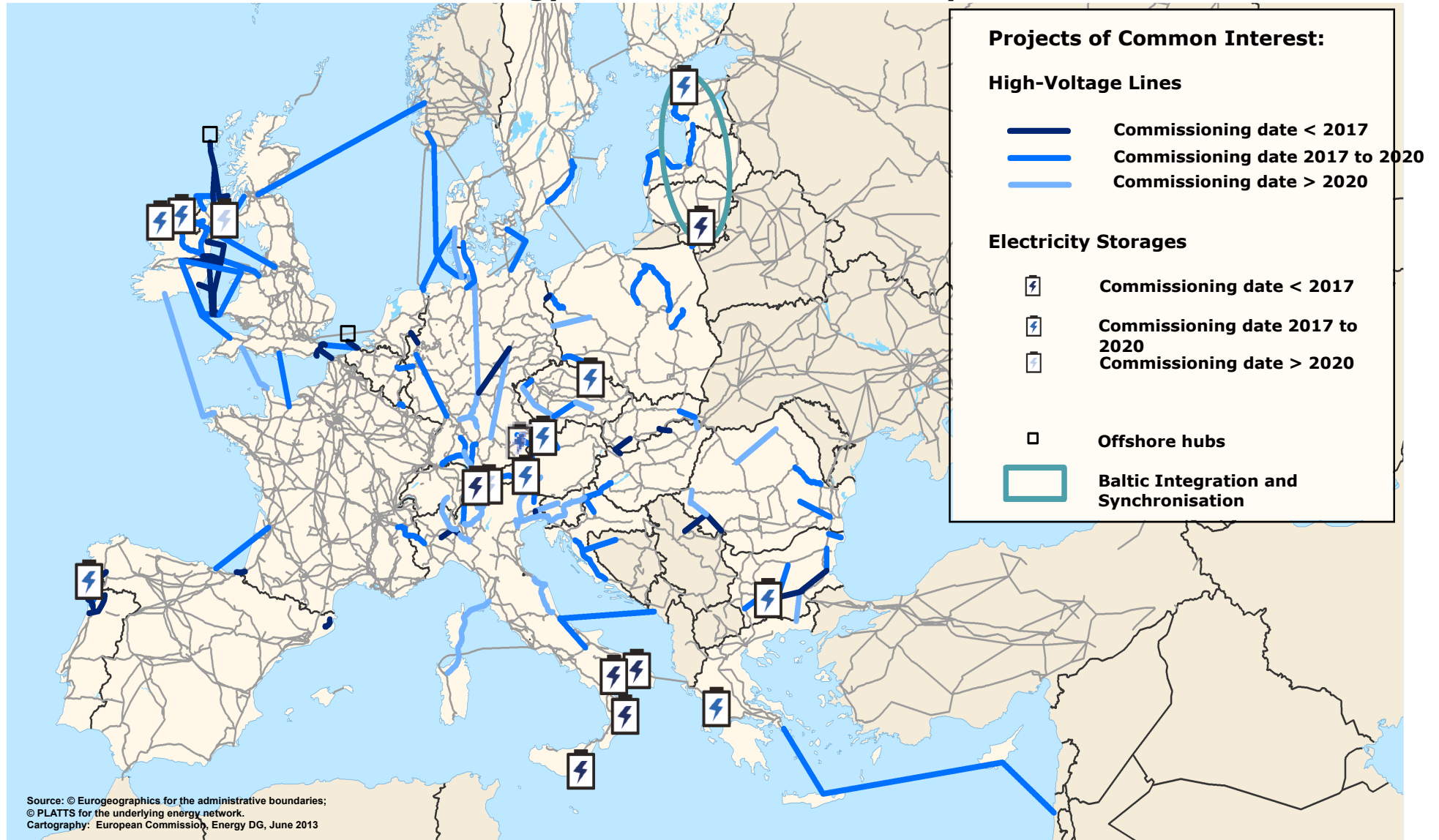




European
Commission

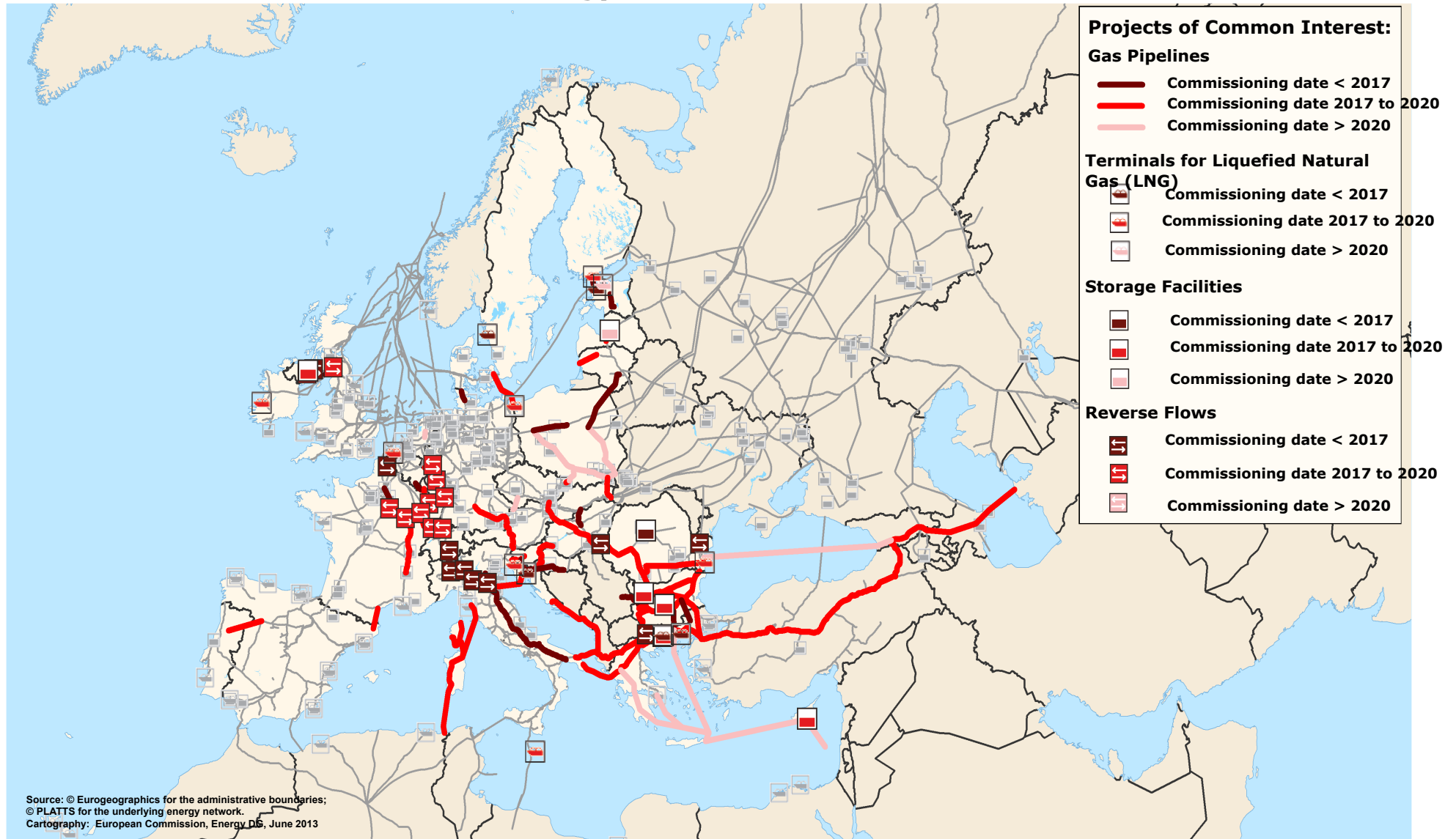


Energy Infrastructure - Electricity





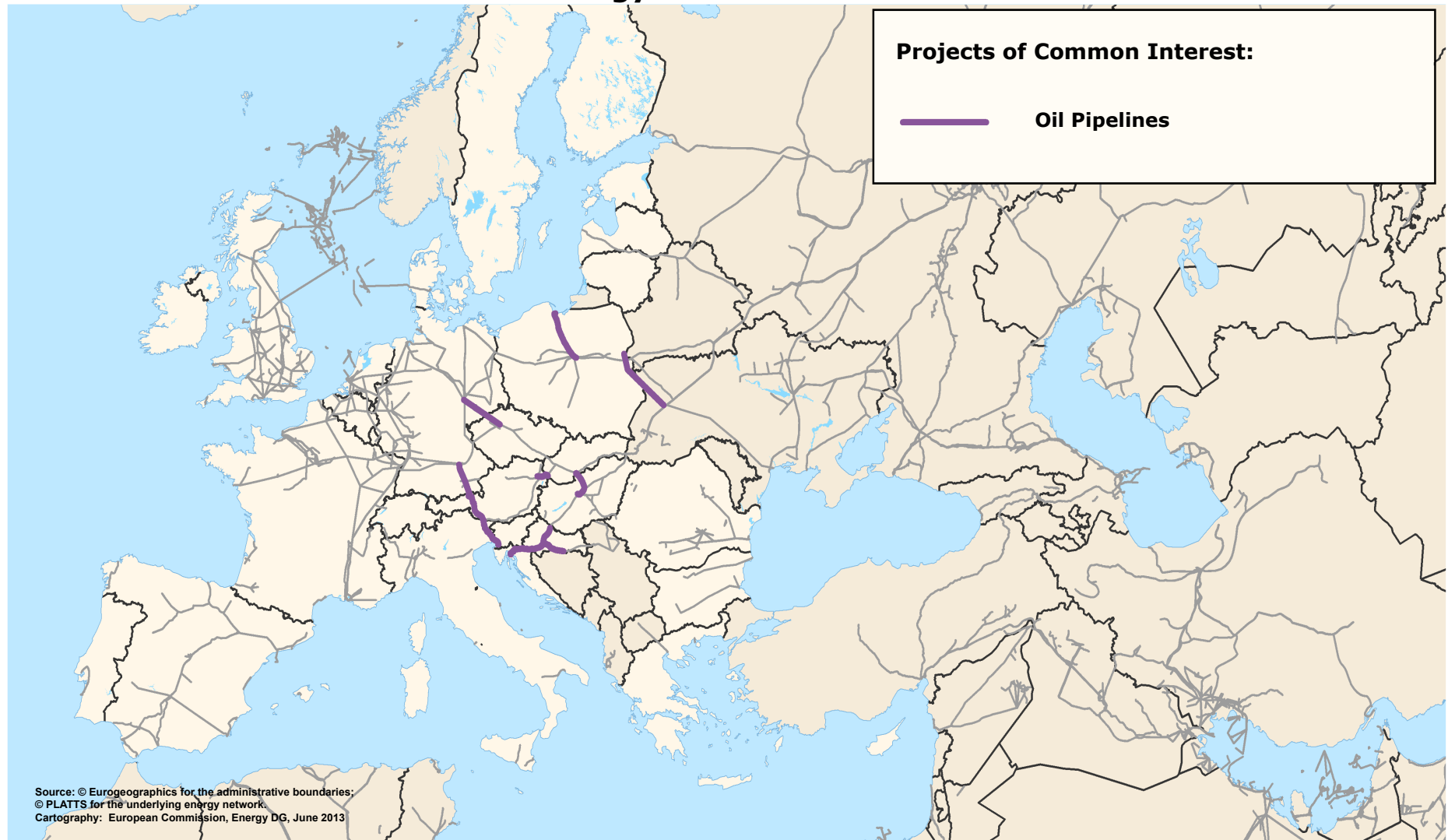
Energy Infrastructure - Natural Gas





European
Commission

Energy Infrastructure - Oil



Source: © Eurogeographics for the administrative boundaries;
© PLATTS for the underlying energy network.
Cartography: European Commission, Energy DG, June 2013