

#### PENTALATERAL ENERGY FORUM

A regional approach towards an integrated market and common adequacy assessment DG COMP WG on Generation Adequacy, 22 Jan 2015

#### **Pentalateral Energy Forum**





= Intergovernmental initiative between BE-NE-LUX-FR-DE-AT-CH...

... whereby Ministers of Energy give political backing to a process of regional integration ...

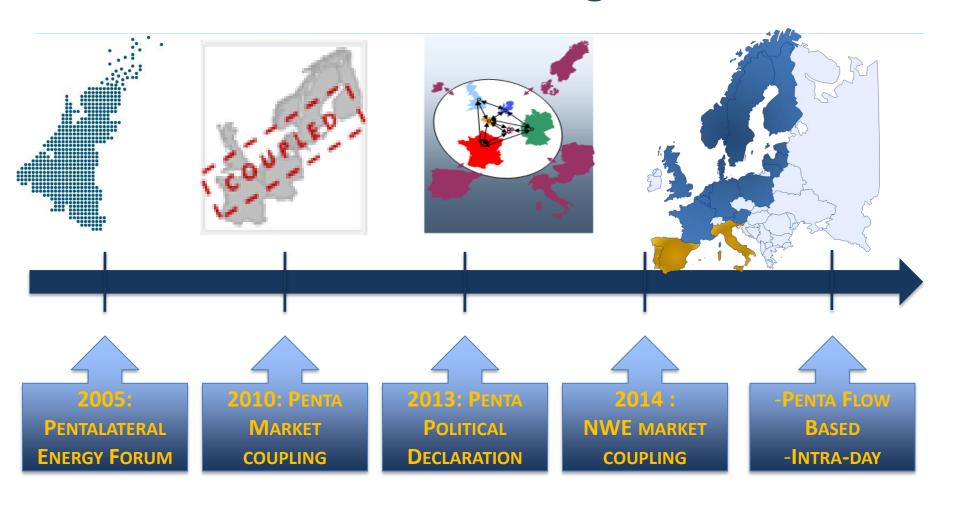
... as an intermediate step towards EU energy market ...

... close involvement of TSOs, NRAs, PXs and market parties ...

... Benelux-secretariat to assure continuity of the process...



#### ... Pentalateral market integration





# **Political Declaration (June 2013)**

#### Two major workstreams:

- 1. Market integration
- Flow Based Market Coupling
- Cross Border Intraday Market Coupling
- 2. Security of supply
- Pentalateral adequacy study by TSOs
- Developing a common approach to security of supply in the region



## Penta adequacy study

- Start: early 2014 delivery December 2014
- Horizon: 2015/2016 and 2020/2021
- Close cooperation between regional TSOs
- CWE markets already deeply integrated
- Implementing a new, advanced methodology



## Penta adequacy study: new elements

- Extensive cooperation between regional TSOs
- Probabilistic market modelling
- Using improved weather data
- Complementing national adequacy assessments
- Taking into account the role of interconnectors
- Regular feedback/discussion with governments, EC, regulators and market parties



#### Results and lessons learned

- Role of interconnections is already essential today
- Confirmation of adequacy concerns found in national assessments
- Cooperation/coordination (data and knowledge exchange) between regional TSOs on adequacy can be very fruitful
- Current level of cooperation and integration needs to be further increased to solve adequacy concerns



### Challenges

- Further refinements in the modelling are needed
- How to involve demand side response?
- Develop a common understanding on adequacy indicators
- Penta adequacy study is not a template but can serve as guidance to other regions
- ...and will be a stepping stone to further work in ENTSO-E
- Penta adequacy study is a crucial first step towards a regional security of supply approach



## Identified next steps in penta process

- Further improvement of the adequacy assessment methodology
- Enhanced coordination between TSOs in the region
- Analysis of the interaction between CRMs (capacity mechanisms), i.p. cross border participation
- Introduction of the flow based methodology (go live May 2015)



### Next phase: issues to be considered

- 'No regret options" for market improvements
  - Develop demand side
  - Intraday and balancing markets
  - Flexibility
- Refine future model of TSO cooperation in delivering security of supply
- Clarify the role of a common adequacy criterion or common indicators
- Political alignment within Energy Union process



# Thank you

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