Towards Ten year Network Development Plan 2014

and further

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Reliable Sustainable Connected

TYNDP and the 3rd Energy package

TYNDP must deliver:

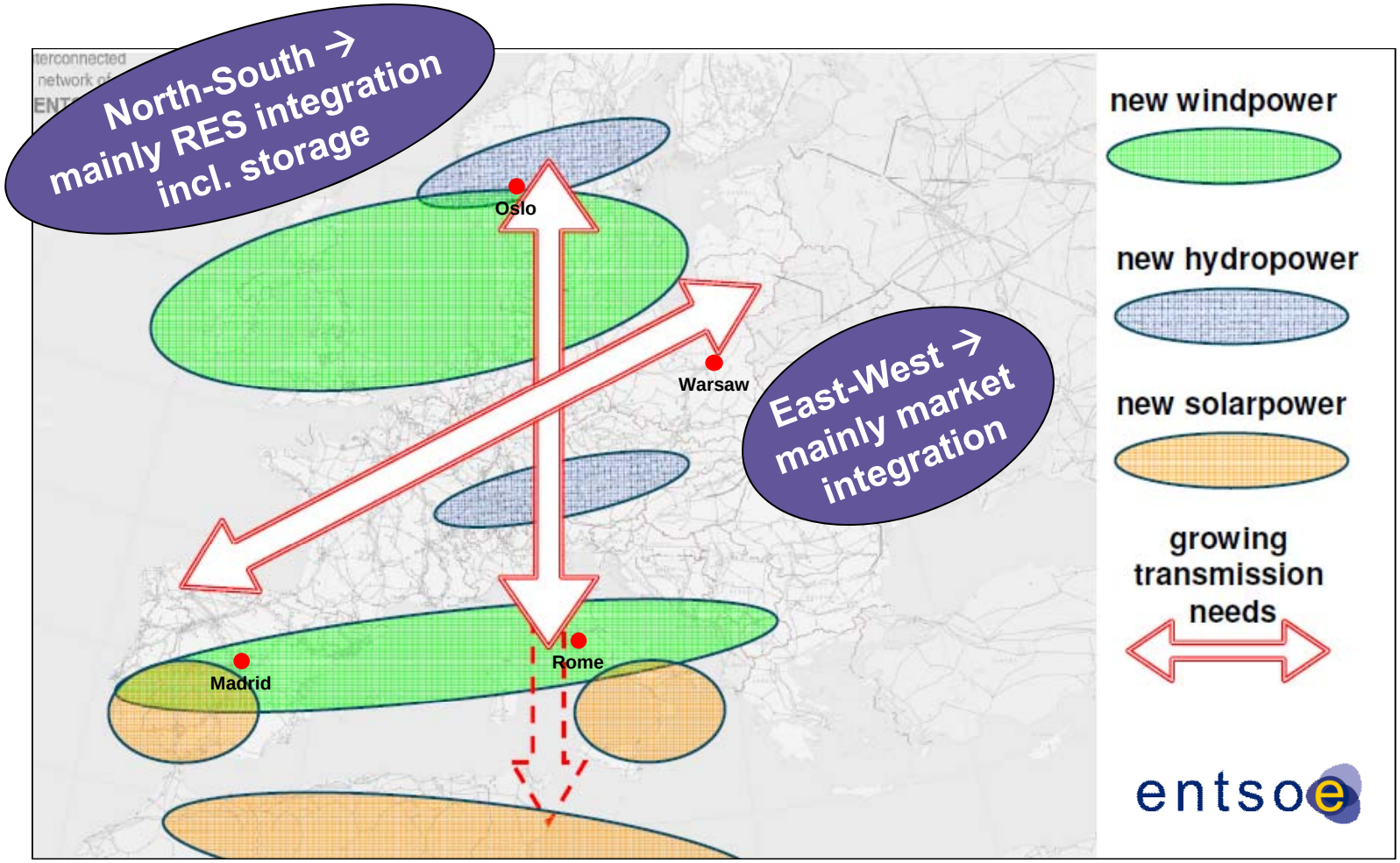
- Generation adequacy outlook 5 yr up to 15yr (→ 2025!)
- Modelling integrated networks
- Scenario development
- Assessment of resilience
- Based on reasonable needs of system users
- Identify investments gaps
- Review barriers to increase cross border capacities arising from approval procedures

TYNDP 2012 a big step further

TYNDP 2012 improvements compared to pilot TYNDP 2010:

- Explicit definition of projects of pan-European significance
- Public procedure to identify the 3rd party projects
- More scenarios : top down + bottom up scenarios + Nuclear phase-out sensitivity analysis
- Regional market & network studies – based on the common set of data
- Project assessment based on a set of clear indicators

The path to 2020 and 2050



European transmission grid
– key role in reaching the EU policy goals

Energy policy goals

- **Sustainability/GHG**:
  - More renewables, further from the loads
  - More heating and mobility with electricity
- **Competitiveness/market integration:**
  - More long-distance flows
- **Security of supply**
  - More optimal resources sharing

all require Grid capacity !

From words to actions - field initiatives for public acceptance

- **Facts:**

– Less than 1% of overhead lines built during the last decade

– TYNDP 2010 → 14,4% increase needed by 2020

– Slow and cumbersome permitting procedures the main obstacle for delivering investments

– Public acceptance cannot be improved by TSOs alone

- **What needs to be done, now!**

– Policy makers, Mayors, NGOs, Administrations and Media should deliver the same message:

"a sustainable and CO2 free power system tomorrow implies more transmission lines from now on"

From words to actions - legislative implementation

- **Some stability in EU legislation - avoid new concepts becoming part of official documents**

  – when relying on unproven or fuzzy concepts, or

  – technologies without track records in the EU network

- **Some compatibility among the 27 MS energy policies**

The Energy Infrastructure Package

- A timely legislative initiative addressing the most urgent issues
  - Huge step forward to streamline permitting procedures
  - Positive but unfocused effort to facilitate investments on the transmission grid
    - Cost-allocation is just part of the overall picture – cost-benefit analysis not a panacea
    - Incentivizing TSOs to deliver on time should be the priority
  - Regional approach for decision making with TYNDP as the main starting point – Projects of Common Interest

The role of ENTSO-E after 2012

- The TYNDP as the only basis for identifying projects of common interest
  - With an open, transparent and non-discriminatory procedure for including non-TSO projects
- Deliver a cost-benefit analysis adapted to the real needs of the deciding bodies
  - A common basis for identifying financing gaps
- Provide the top-down technical overview at the EC regional Groups
  - Avoiding duplication of efforts

TYNDP 2014 and further – continuously increasing quality

1. Developing visions that have a larger spam than 10 years (e.g. vision 2030)

2. Creating the methodology for the European CBA

3. Updating and improving the network model for the pan- Europe and regional network studies

4. Updating and improving the existing pan-European market data base (PEMD) – base for the Regional market studies

5. Looking for continuous coherency with longer term plans – 2050 E-HIGHWAYS, North-Sea grid, Mediterranean ring, System Extension Project (Ukraine/Moldavia, ..)

Thank your or your attention.

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