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ETIP SNET

Working Group 1 Update

Central - North Regional Workshop

Petten Sept 19th 2019

ANTONIO ILICETO WG1 CHAIR

Reliable, economic and efficient smart grid system

- **WG1 focuses on the business and technology trends contributing to the overall energy system optimization at affordable costs**

- **It deals with system aspects, addressing the main functionalities, quality and efficiency of the electricity system as such and consider the benefits of its integration with the other energy vectors**

Current activities

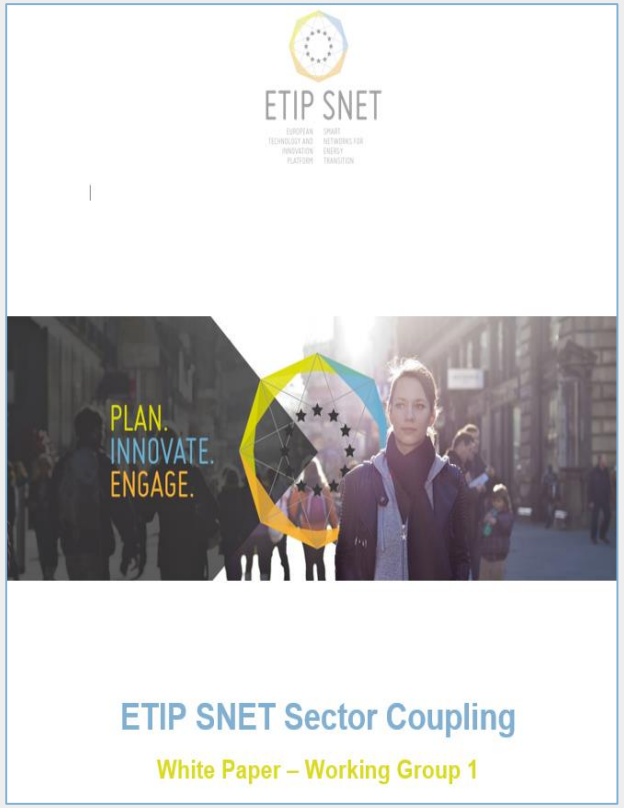
- Contributions to the **Monitoring Report** (published)
- Active contributions to all sections of **Roadmap 2020-2030**, in particular to the structure and storyline, to ensure proper representation also of system operators
- Contributions to **Implementation Plan**, to follow strictly the Roadmap, in terms of detailed contents: topic list, priorities, proposed projects
- **CIRED paper** June 2019, Madrid
  - Vision 2050 and implications for system & grids
- **CIGRE collaboration**
  - At general sessions in Paris (2018 , 2020, etc.)
  - A high visibility standpoint for ETIP SNET
  - Exchanges and networking with experts also outside Europe

White Papers

- **Holisitic architectures for future power system → published March 2019**
- **Sector Coupling → expected by end 2019**
- **TSO-DSO coordination in grid planning → expected early 2020**
- **Measurement infrastructure for optimal operation → stand-by**

White Paper on Sector Coupling

- Work in progress after initial stand-by
- Very “hot” topic, and different perspectives/interests involved
- External collaboration can be triggered based on White Paper

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Collaboration with JRC

- JRC, Directorate C – Energy, Transport and Climate
- After high level contacts, WG are encouraged to develop mutually beneficial colaborations
- WG1 has identified topic on multi energy system integration, starting with sector coupling
- Future topics can span to large interconnections with neighbouring areas (global grids)

Other partnerships & collaborations

- 2Zero initiative by ERTRAC on no-emission mobility
  - feedback on foundation documents provided
  - Liasing with EGVIA / ERTRAC to describe the targets for the new partnership

- Possible collaboration with Eon initiative on Citizen Energy Communities

- CEF and TEN-E revision process
  - Contribution to develop a position on TEN-E Regulation
  - CEF as funding instrument also of Demo Projects, not only for realization full scale
  - Facilitation of H2020 Projects implementation by CEF : why is not possible today?

- Other PPP (private-public partnerships) will be proposed by Etip Snet, WG1 ready to contribute

Key topics suggested for round table discussion

- From Horizon2020 to Horizon Europe: expectations and concerns from R&D actors perspective

- National vs international R&D projects: are we succeding in rationale and synergic allocation of efforts?

- Incentives for innovation: what is missing for mobilising more resources (especially for regulated actors)?

- Sector Coupling:
  - § who should take the responsibility of an integrated perspective?
  - § what kind of regulation has to be developed to facilitate this integration?
  - § what incentive/ motivation can be put in place to trigger pilot projects?

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Thank you