

PLAN. INNOVATE. ENGAGE.

ETIP SNET (European Technology and Innovation Platform for Smart Networks for Energy Transition): for an innovative and successful European energy transition

Third ETIP SNET regional workshop, Cyprus, 23 November 2017

Nikos Hatziargyriou, ETIP SNET Governing Board Chair



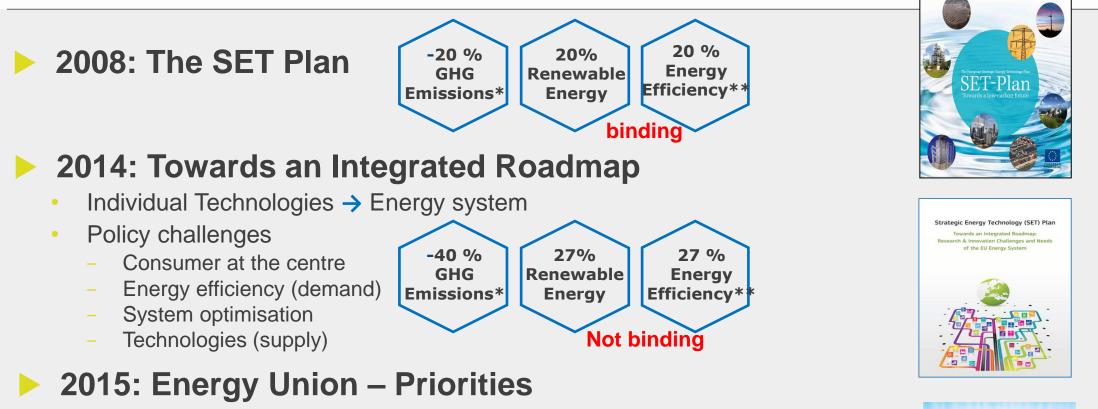
EU policy framework

The ETIP-SNET: a new platform addressing the energy system as a whole

Purpose of the workshop



European R&I energy policies



- Energy security, solidarity and trust
- A fully integrated European energy market
- Energy Efficiency (EE) first: moderation of demand
- Transition to a low-carbon society: decarbonising the economy,
- Research, Innovation and Competitiveness





- 1. Performant renewable technologies integrated in the system
- 2. Reduce costs of renewable technologies

New technologies & services for consumers
Resilience & security of <u>energy system</u>

5.New materials & technologies for <u>buildings</u> 6.Energy efficiency for <u>industry</u>

7.Competitive in global battery sector (e-mobility) 8.Renewable fuels

9.Set up R&I activities applying CCS and CCU

10.Maintain safety level & improve efficiency in nuclear energy



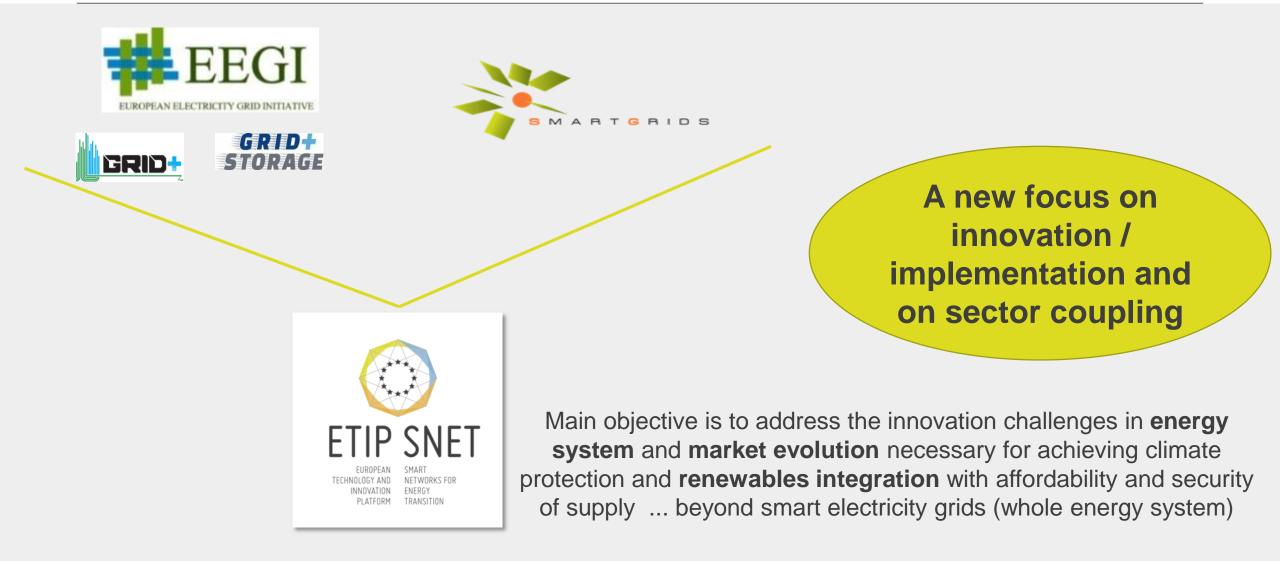
EU policy framework

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Purpose of the workshop



From a fragmented EU advisory to an integrated framework

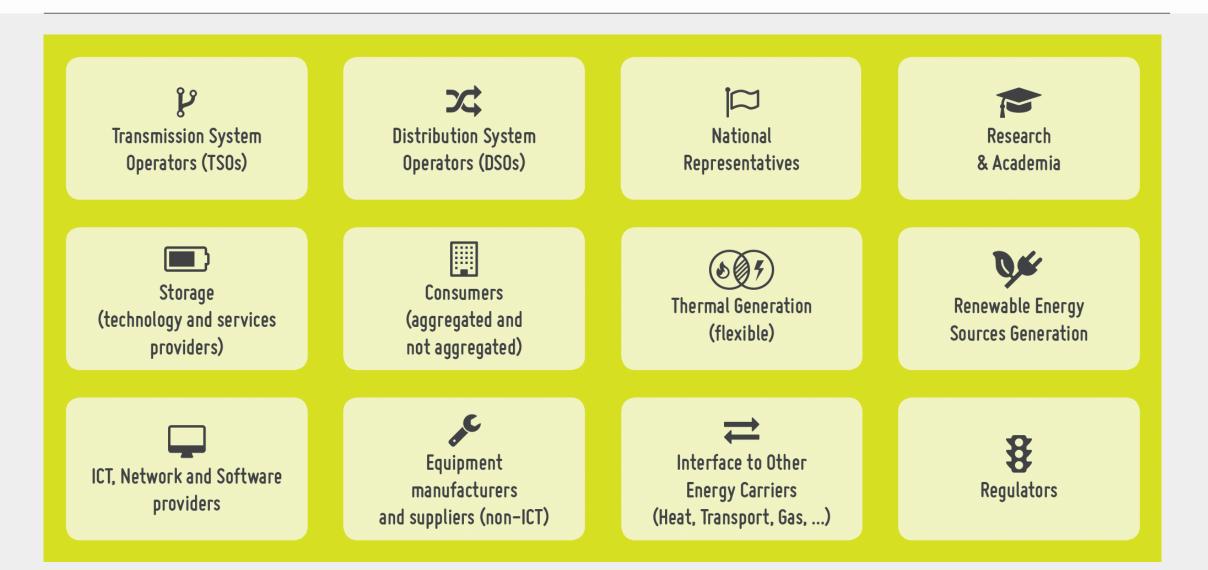




- Set-out a vision for RD&I for Smart Networks for Energy Transition and engage stakeholders in this vision.
- Prepare and update the Strategic Research and Innovation Roadmap.
- Report on the implementation of RD&I activities at European, national/regional and industrial levels.
- Provide input to the SET Plan action 4 which addresses the technical challenges raised by the transformation of the energy system.
- Identify innovation barriers, notably related to regulation and financing.
- Develop enhanced knowledge-sharing mechanisms that help bring RD&I results to deployment.
- Prepare consolidated stakeholder views on Research and Innovation to European Energy Policy initiatives.

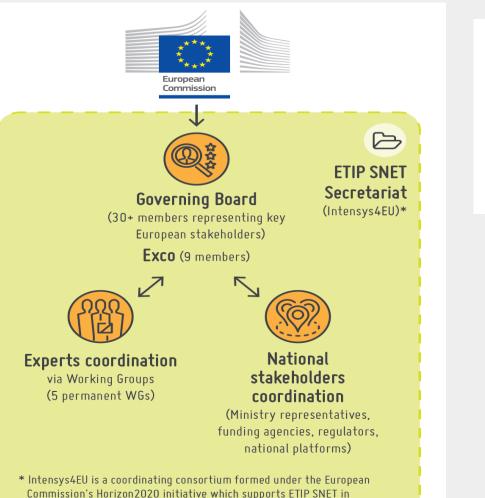


ETIP SNET's stakeholders





ETIP SNET's organisation



delivering RD&I monitoring reports, Roadmaps and implementation plans.



WG1 Reliable, economic and

efficient smart grid system



WG2 Storage technologies and sector interfaces



WG3 Flexible Generation



WG4

Digitisation of the electricity system and customer participation



WG5

Innovation implementation in the business environment



EU policy framework

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Purpose of the workshop



Purpose of regional workshops

Identity R&I topics needed for the future, lessons learned and deployment perspectives (focus on findings of significant EU added value and addressing energy system integration issues) to support the updating process of the ETIP SNET roadmap

- Region 1: PT, ES, FR, UK, EI
- Region 2: DK, SE, FI, NO, LT, LV, EE
- Region 3: IT, SL, KR, MT, HU, RO, BG, GR, CY
- Region 4: BE, NL, LU, DE, PL, CH, AT, CZ, SK, HU

Region 4; Aachen (Germany), 18-19 September 2017 Region 1: Lisbon (Portugal), 28-29 September 2017 Region 3: Cyprus, 23-34 November 2017 Region 2: Riga (Latvia), 7-8 December 2017







Thank you for your attention

nh@power.ece.ntua.gr

More information:

🖑 etip-snet.eu

info@etip-snet.eu

@etipsnet

linkedin.com/groups/8208338