



ETIP SNET **PLAN.
INNOVATE.
ENGAGE.**

European and International Stakeholders Workshop

High level talks among energy systems related initiatives

LEVERAGING THE CLEAN ENERGY TECHNOLOGIES POTENTIAL THROUGH INTEGRATION INTO AN EFFICIENT SYSTEM

Thursday 14 March 2018

Leopold Hotel, Rue du Luxembourg 35, 1050 Bruxelles (Metro Trône or Maelbeek)

Objective

This workshop covers three main objectives

- To **gather the experts and stakeholders of the energy systems** to discuss about the achievements and challenges of the integration of the electricity networks with other energy carriers (gas, heating, cooling, water, transport etc.), to enhance the synergies in view of an overall optimisation and an acceleration of the decarbonisation process.
- To **initiate a constructive debate** between the industrial actors, the research community and the public authorities to identify (and possibly agree on) strategic priorities at the light of the work already in progress within the different initiatives.
- To **give insightful inspiration** to all initiatives involved, with regard to the directions to be taken to accelerate the clean energy transition through integration, circularity, digitalisation and decentralisation, as put forward in the ETIP SNET Vision 2050. It will highlight collaboration needs among stakeholders and contribute to construct the sectors Roadmaps.
- Present ETIP SNET new report **“Synergies and complementarities of European and International Initiatives towards Energy Transition”** on this occasion.

Background

The ETIP SNET has issued the document “[Vision 2050 – Integrating Smart Networks for the Energy Transition: Serving Society and Protecting the Environment](#)”, which considers the long term development towards a full decarbonisation of the energy system in 2050 by digitalization and coupling of all energy carriers. This vision will be the common background around which to develop the workshop discussions.

The players of these high level talks are the European technologies and Innovation Platforms (ETIPs) of the SET Plan as well as PPPs, with particular reference to those that deal with more closely to the integration (e.g. SNET, RHC, SCC, Biofuels, PV, Wind, Ocean energy, DHC, Geothermal, H₂ etc.) as well as innovation initiatives at European level (Set Plan IWGs, PPPs, EERA, ERANet etc.) and international institutions and initiatives (IEA, Mission Innovation).

Registrations should be completed here until 8/03/2019: <https://goo.gl/forms/hbn221WGeondNW6F2>



This event is organised in the frame of the INTENSYS4EU Project.

A project supporting the ETIP SNET activities and financed under grant agreement n° 731220



Agenda

9:00	Registration – welcome Coffee	
9:30	Welcome , Marie Latour, ZABALA/INTENSYS4EU Coordinator	
9:30	<p>EUROPE's Vision and Targets</p> <ul style="list-style-type: none"> - From ETIP SNET Vision towards 10 years Roadmap Rainer Bacher, Bacher/INTENSYS4EU - The Vision from DHC+ Platform / RHC+ Platform, Alessandro Provaggi - AIOTI & Energy, Natalie Samovich, Enercutim/AIOTI - Hydrogen Long Term Vision, Carlos Navas, FCH JU (tbc) <p>International perspective :</p> <ul style="list-style-type: none"> - IEA Vision, Simone Landolina <p>Presentation of ETIP SNET new report Synergies and complementarities of European and International Initiatives towards Energy Transition, Michele de Nigris, RSE/INTENSYS4EU</p>	
11:15	COFFEE BREAK	
11h45 - 13h00	<p>Morning Parallel sessions on the different aspects of ETIP SNET's Vision How to make it happen</p>	
	<p>1.1 TECHNOLOGIES AND TOOLS</p> <p><i>Moderators:</i> <i>Rainer Bacher, Bacher Energie & Michele de Nigris, RSE</i></p> <ul style="list-style-type: none"> • Upgrading of electricity networks: impact of power electronics (inertia and control systems, importance of efficient electricity corridors, importance of observability, generation flexibility) • The importance of storage and energy conversion and storage technologies: importance of vector coupling, PtG, PtH, PtL (and impacts on the electricity grids) • Efficient energy use – heating and cooling: H&C as powered by RES, district networks, waste recovery, waste heat in industries <p><i>Interactive discussion forum on technologies for integration and flexibility (coupling, storage, generation, network flexibility, etc.)</i></p>	<p>1.2 MARKET</p> <p><i>Moderators:</i> <i>Norela Constantinescu, ENTSO-E & Fernando Garcia, Naturgy</i></p> <ul style="list-style-type: none"> • Cooperation among operators (TSOs – DSOs trans-vector) wholesale market enabling cross-border exchanges of RES • Subsidiarity, local markets enabling citizen involvement, islanding, microgrids, VPPs, flexibility markets • Regulatory framework, importance of innovation and demonstration <p><i>Interactive discussion forum on regulatory innovation and tools, business models, remuneration, innovation benefits-beneficiaries</i></p>
13:00	NETWORKING LUNCH	





14:00	Afternoon parallel sessions on the different aspects of ETIP SNET's Vision	
-	How to make it happen	
15:30	<p>2.1 THE USER AT THE CENTRE <i>Michela Marasco, EC DG ENER & Michele de Nigris, RSE</i></p> <ul style="list-style-type: none"> Engaging final consumer in energy discussions: changing role of the energy operators Local communities, energy conversion and flexible energy storage – impact on the final user - Flexibility markets – empowering the final prosumer aggregation, peer-to-peer, prediction <p><i>Interactive discussion forum on business models, decentralisation, sharing economy of energy, subsidiarity</i></p>	<p>2.2 DIGITALISATION <i>Moderators: Maher Chebbo, WG4 Chair & Rainer Bacher, Bacher Energie</i></p> <ul style="list-style-type: none"> Digitalisation for new services – aggregation, DSM, peer-to-peer trading, shared platforms, interconnected systems Aspects of IoT, analytics, connectivity, AI, MMI, M2M Open issues of privacy, data ownership, cybersecurity <p><i>Interactive discussion forum on the use and impact of digital technologies, risks and opportunities</i></p>
15:30	Concluding session – next steps - Michele de Nigris, Rainer Bacher	
16:00	Networking cocktail	
17:00	End of event	

