

Prioritising research in Energy crucial for achieving the Paris Agreement Targets

ETIP SNET Position on Missions for Horizon Europe

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Current EU proposed Missions for Horizon Europe **do not include Energy. This omission creates a risk of not prioritising future research needed to meet the Paris agreement targets. We are asking the members of the Council and the European Parliament to include Energy and Decarbonisation among the themes of the first missions that will be adopted at the end 2018-early 2019.**

Background:

A number of missions will be included in Horizon Europe, the next framework programme (2021-2027) and these will specifically target global challenges. The targets would be clearly measurable and need to be achievable with a portfolio of research and innovation measures¹.

Of the total amount proposed for the future Horizon Europe Framework Programme (2021-2027), 9.4 billion Euro (10%) will be allocated to the 4-5 missions finally selected. The decision on themes for missions belongs to the Council and the European Parliament.

On 15th October the European Commission proposed 12 broad themes for missions², which were narrowed down to 4 or 5 by Member States on 17 October³, these are in the fields of:

- Digitisation,
- Health,
- "Clean Europe",
- Food and agriculture.

The energy sector proposal

ETIP SNET proposes a broad, goal-oriented Mission: **Decarbonising Europe by 2050.**

On 2nd October the members of the ETIP SNET ([The European Technology and Innovation Platform for Smart Networks for Energy Transition](#)), in line with the Paris agreement, proposed their mission orientated goal for Europe:

DECARBONISING EUROPE BY 2050

¹ https://ec.europa.eu/info/designing-next-framework-programme/mission-oriented-policy-next-research-and-innovation-framework-programme_en

² <https://sciencebusiness.net/framework-programmes/news/eu-makes-its-pitch-member-states-12-research-missions-and-13-industry>

³ <https://sciencebusiness.net/framework-programmes/news/eu-science-ministers-weigh-five-research-missions-ten-industry>

The full title stands as: “A secure, efficient and digitalised European energy system, fully decarbonised by 2050, coupling all energy sectors.”

As reiterated in the [IPCC global warming report](#), released earlier this month, limiting global warming is an urgent global challenge. ETIP SNET sees the EU’s mission-oriented goals as an ideal opportunity to prioritise research in Europe to address this challenge.

Fully decarbonising Europe by 2050 is a very ambitious target, however a climate change mission deserves a prominent place within the Europe’s new framework programme as it affects all European citizens, industry and beyond.

What we are asking

In the next weeks the Council of the EU and the European Parliament will take decisions on the themes of the first Missions of the future Horizon Europe programme. The ETIP SNET, including its 200 expert members throughout Europe, is urging the Council and the European Parliament to include Energy and Decarbonisation among the themes of the first missions that will be adopted.

Decarbonisation can generate significant impact on welfare and job creation: by 2030 it could create 24 million jobs and 29 million by 2050 globally, according to IRENA⁴. About one third of these figures would be net jobs creation.

The mission proposed by ETIP SNET is broad and fully corresponds to the type of mission that the High-Level Group, as well as Professor Mazzucato, have recommended in their report to the European Commission. **It is the result of a collaborative and consensual process** among players active within the whole value chain of the energy sector (renewable and conventional energy players, grid operators and digital players, ministry representatives and research community), located across Europe. The members of the ETIP SNET are the following stakeholder organisations:

- European Transmission System Operators: ENTSO-E
- Distribution System Operators: EDSO, EURELECTRIC, CEDEC, GEODE
- Flexible generation players (Energy Technologies Europe, EU TURBINES, ETIPWind, ETIP PV, EGEC, ETIP Deep Geothermal, CogenEurope, ETN, EUGINE
- Research and Academia: EUREC, EERA, EUA
- Storage stakeholders: EASE, EUROBAT, Hydro Equipment Association
- Gas and heat networks players: Renewable Heating and Cooling ETIP, Euro Heat and Power, EUROGAS, EHA),
- Transport sector: EGVI
- Consumers: SmartEn, ANEC
- ICT and digital network providers: ESMIG
- Equipment suppliers: T&D Europe, Europacable, Orgalime

⁴ http://www.irena.org/-/media/Files/IRENA/Agency/Publication/2018/Apr/IRENA_Report_GET_2018.pdf



- EU Member States active in the SET Plan

About ETIP SNET:

Since 2016, the key energy system players in Europe, represented through their EU associations, platforms and national stakeholders, started a strong and unique cooperation under the umbrella of ETIP SNET. With the support of hundreds of industry and research experts throughout Europe, it guides European R&I activities in the area of Smart Energy Networks. This covers areas such as energy systems management, storage and interface between power, gas, heat or transport networks, flexible generation, digitalisation of the energy systems, and energy customer involvement. The proposed mission orientated objective is integral to the platforms overall goal, as outlined in the recently launched report “[Vision 2050](#)”.