



To whom it may concern,

Brussels, 28/04/2022

### CHARACTERISATION REFERENCE LETTER

Dear Sir/Madame,

It is with great pleasure that we issue this letter on behalf of the European Technology and Innovation Platform for Smart Networks for Energy Transition (thereafter ETIP SNET) to characterise the contribution and provided support to our work from Dr Esther Hardi. For the last 6 years she has been giving valuable support and providing sound contributions to the ETIP SNET goals and mission toward the energy transition, participating and even co-leading, during the period 2016-2020, the ETIP SNET Working Group 4 "*Digitalisation of the electricity system and Customer participation*". She has contributed to the WG4 goals that address the use and impact of the Information and Communication Technologies as a pervasive tool along the entire value chain of the power generation, transportation and use. WG4 considers the communication layer as one of the pillars of the smart energy system, enabling system observability, monitoring, control and protection, specifically enabling a radical change in the relation between the final user and the energy system.

Among all the activities that she has been involved in, Dr Hardi, as co-leader of our WG 4, represented the overall ETIP SNET vision and the WG4 messages and results through her participation as panellist and speaker in several ETIP SNET events, such as ETIP SNET Regional Workshops, EUSEW 2021: Energy Talk and Energy Fair...

In her capacity of co-chair of the WG4, Dr Hardi was also one of the main coordinators of the WG4 Technical Position Paper issued in 2018 about the energy digitalisation and customer participation titled "*Digitalization of the Electricity System and Customer Participation: description and recommendations of Technologies, Use Cases and Cybersecurity*". Furthermore, she is currently co-leading the working group set up within WG4 with the aim of developing a position paper on the role of digitalisation in improving customer participation in energy markets.

In addition, she gave her valuable contributions to the drafting of key ETIP SNET documents such as the Vision 2050, Roadmap 2020-2030 and the Implementation Plans 2021-2024 and 2022-2025.

Yours sincerely,

On behalf of the ETIP SNET

Maria Laura Trifiletti  
ETIP SNET Coordinator