ENERGY STORAGE in GASES, LIQUIDS and SOLIDS

EERA JP ENERGY STORAGE & JP FUEL CELLS HYDROGEN

28-29 October 2020

Padova (IT)

Europe is facing the major challenge implementing the energy transition, which has been undertaken by the European Commission aiming at making Europe the first climate-neutral continent by 2050. To reach the goals proposed in the integrated **Strategic Energy Technology Plan** (SET-Plan) new technologies are needed for usage and conversion, storage and distribution of primary energies.

A fundamental reference in this ambition will be the **Horizon Europe Strategic Plan**. The Plan will describe the key strategic orientations and expected impacts of the new framework programme and will identify European Partnerships, Missions, and areas for international cooperation.

Energy storage is a crucial element of the energy transition, to enable massive penetration of renewables and safeguard energy security. The main objective of the workshop is to stimulate an in-depth discussion on the use of energy storage solutions in gases (hydrogen, synthetic natural gas,…), liquids (organic carriers, ammonia,…) and solids (reactive metals,…). Research, industrial, socio-economic and consumer aspects as well as policy initiatives at European level will be addressed, with a particular focus on the transition pathways that should be undertaken and how technologies in hydrogen, fuel cells and energy storage must develop to enable the achieving of climate neutrality targets.

This workshop jointly organised by EERA Joint Programme on Energy Storage and EERA Joint Programme on Fuel Cells and Hydrogen is a timely opportunity for researchers, industry and policymakers to exchange knowledge and experience. The outcome of the Workshop will serve to prepare an EERA technical position paper on research priorities towards implementation of energy storage solutions in key application and geographical areas.

Call for Abstracts:

- Please fill in the template for topic proposals that you can find here
- Your abstract should address the following points:
  - Positioning of the solution in terms of technological readiness and system integration
  - Impact on the achievement of the energy transition by 2030/2050
  - Positioning in terms of circularity and a European supply chain
- Send your proposal to eera-jpes@sci.kit.edu
- Deadline for submission: **15 August 2020**