

LIST OF PROJECTS PROPOSED FOR PROJECT DEVELOPMENT ASSISTANCE

First call for Large-scale projects launched pursuant to Commission Decision C(2020) 4352 of 2 July 2020 on the activities related to the Innovation Fund, serving as a financing decision and as a decision launching the first call for proposals in 2020

No.	Project acronym	Sector	Location	Coordinator and other participants	Project description
1	SUN2HY	Hydrogen	ES	REPSOL S.A. (ES) ENAGAS S.A. (ES) SUN2HY, S.L. (ES)	The aim of the present project is to demonstrate the first Photoelectrocatalysis (PEC) pre-commercial plant in the world with a large production capacity of hydrogen.
2	BHyPER Community	Solar energy	PT	Hyperion Energy Investments SGPS SA (PT)	The project will deliver green hydrogen to a local industrial site backed by Photovoltaic (PV) generation and a battery system.
3	Equigy CBP	Other energy storage	NL, DE & IT	EQUIGY B.V. (NL)	Equigy is developing the Crowd Balancing Platform (CBP), which helps balance the grid and ensure security of supply for the energy transition.
4	ETHOS	Biofuels and biorefineries	IT	VERSALIS S.P.A. (IT)	The project aims to deliver a large-scale 2nd generation bioethanol demonstration plant.
5	GHG-PU	Other sector(s)	NL	Dynova innovatieadvies BV (NL) InSus Holding BV (NL)	This project aims to capture GHG from end of life PU (polyurethane) insulation
6	LiSalt	Other energy storage	FR	ARKEMA FRANCE SA (FR)	The project aims to use ultra-pure electrolyte salt to improve batteries safety and charge, for Lithium Ion

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					Batteries in the electric vehicle market.
7	NEF	Refineries	NO	Norsk e-Fuel AS (NO) Paul Wurth S.A. (LU) Valinor AS (NO) Sunfire GmbH (DE) Climeworks AG (CH)	Building the first-of-a-kind industrial-sized Power-to-Liquid plant in Norway to enable climate neutral transportation with a focus on the hard-to-electrify aviation sector.
8	VerBioChem	Biofuels and biorefineries	DE & HU	VERBIO Vereinigte BioEnergie AG (DE) XiMo Hungary kft (HU) PIC - Pi Innovation Culture GmbH (DE)	First of its kind Ethenolysis Production Plant providing Renewable Carbon for the European Green Economy.
9	CESAR	Other energy storage	DE	Black Magic GmbH (DE)	The project will develop and upscale Curved Graphene (CG) synthesis and electrode production technology.
10	Sun2Store	Intra-day electricity storage	ES	Malta Iberia Pumped Heat Electricity Storage S.L.U. (ES) Alfa Laval Corporate AB (SE) Siemens Gas and Power GmbH & Co. KG (DE)	An innovative pumped heat electricity storage system which aims to store solar PV electricity and feed it back to the grid.

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11	Oxy-combustion	Other sector(s)	NL	AtlasInvest Holding (BE)	The implementation of an Allam Cycle (oxy-combustion) power plant to generate electricity without GHG emissions, with a fully integrated CCS system.
12	TRISKELION	Chemicals	ES	Forestal del Atlántico, S.A. (ES)	Innovative plant to manufacture green methanol produced from renewable hydrogen and CO ₂ captured from an existing cogeneration plant.
13	HYDROGEN EU-ROPAX	Hydrogen	DK & NO	DFDS AS (DK) Hexagon Composites ASA (NO) ABB Ltd. (SE) Ballard Power Systems Inc. (DK) Lloyd's Register Group Services Limited (UK) Knud E. Hansen (DK) Ørsted (DK) Danish Ship Finance (DK)	Zero-emission vessel powered by a large-scale fuel cell system will exclusively use green hydrogen from renewable sources.
14	WAVE	Other sector(s)	FR	CHANTIERS DE L'ATLANTIQUE (FR)	Large sailing cruise ship featuring an innovating wind propulsion technology.
15	GraviSTORE	Intra-day electricity storage	CZ	Gravitricity Ltd (UK) Huisman Equipment B.V (NL)	First-of-kind commercial deployment of a grid scale electrical energy storage system using solid weights in an existing mine shaft.

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				<p>ILF Consulting Engineers Austria GmbH (A)</p> <p>Frank Bold s.r.o (CZ)</p> <p>Viridicore s.r.o (CZ)</p> <p>Institute of Geonics of the CAS (CZ)</p> <p>RAG Mining Solutions GmbH (DE)</p> <p>GA Energo s.r.o. (CZ)</p>	