

**Programme:** EU-HORIZON 2020 Societal challenges - Secure, Clean and Efficient Energy - 2014-2020

**Call:**

Sunfuel-EICPrize-2021

**Topic/s:**

The Horizon Prize for Fuels from the Sun: Artificial Photosynthesis aims to promote new technologies that deliver fuels that can be used as a sustainable alternative to fossil energy and feedstocks for a range of industrial processes. Artificial photosynthesis is considered one of the most promising breakthrough technologies in the field due to its ability to use a combination of sunlight, water and carbon from the air to capture and store solar energy in an efficient and transportable form. The focus of the prize is on proof-of-concept involving the building of a fully functional, bench-scale prototype device of an artificial photosynthesis synthetic fuel production system. The device to be built needs to integrate the whole artificial photosynthesis process from light capture to fuel production that generates a fuel capable of powering a small engine. Achieving the prize aim and objective will take current research out of the laboratory and into the realms of an engineering challenge, with a view to accelerating research and innovation in the field.

**Beneficiaries:** Local public authority; Regional public authority; National public authority; Sectorial agency; Infrastructure and (public) service provider; Interest groups including NGOs; Higher education and research; Education/training centre and school; Start up; Large enterprise, enterprise excluding SME; SME; Business support organisation; EGTC; General public; International organization, EEIG under national law

**AG1 priority fields:** Energy

**Call Budget:** 5000000,00€

Co-funding type:

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**Opening date:** 12 Dec 2017

**Deadline date:** 29 Jun 2020; 03 Feb 2021

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**Call presentation and documents:**

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/...>

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