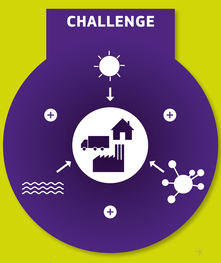
ARTIFICIAL PHOTOSYNTHESIS: FUEL FROM THE SUN

EIC HORIZON **prize**

SOLVE THE CHALLENGE

€5 million

CHALLENGE



The EU will award **€5 MILLION TO THE BEST TECHNOLOGY THAT PRODUCES SUSTAINABLE FUEL** by combining sunlight, water and carbon via **ARTIFICIAL PHOTOSYNTHESIS**.

The solution must be a **FULLY FUNCTIONAL** prototype.

WHY?

Artificial photosynthesis is a **PROMISING BREAKTHROUGH TECHNOLOGY** for producing **SUSTAINABLE ALTERNATIVES TO FOSSIL FUELS**.

THE CHALLENGE WILL:

1. **ACCELERATE** the development of new solar energy conversion systems to produce renewable fuels for industry, housing and transport
2. **FOSTER COLLABORATION** among potential applicants, such as companies, students, researchers and engineers, in Europe and around the world
3. **RAISE PUBLIC AWARENESS** of this new technology
4. **SUPPORT** the Mission Innovation challenge 'Converting sunlight into storable solar fuels'

The EU encourages finding new ways of using solar energy and thus contributes to the **FIGHT AGAINST CLIMATE CHANGE**.

MAIN REQUIREMENTS

- ☑ **performance:** system integration from light capture to fuel production – the fuel must be capable of powering a small engine
- ☑ **scalability:** commercial potential of the device
- ☑ **sustainability:** environmental performance/resource consumption

DEADLINE

6 October 2021

WHO CAN PARTICIPATE?

The contest is open to individuals, groups, organisations and companies in Europe and internationally.

More information on the Prize:

#eicHorizonPrize

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