

SUNERGY description

SUNERGY is a consortium, created by the merger of the two Coordination and Support Actions (CSAs), ENERGY-X and SUNRISE, funded by the European Union under the FET-Flagship CSA scheme in 2019. This multidisciplinary team of scientists and industrialists aims to set up a long-term research programme to provide a solution to the following 3 grand challenges of our time:

- storage of renewable energies as liquid fuels and chemicals;
- production of basic chemicals for the industry and agriculture without the use of fossil resources;
- negative CO₂ emission technologies, by using abundant and ubiquitous molecules (H₂O, N₂, CO₂) as feedstock, renewable energy sources (e.g. sunlight, wind) and an overarching circular economy approach.

The SUNERGY initiative is coordinated by Utrecht University (UU), with the French Alternative Energies and Atomic Energy Commission (CEA) as Deputy Coordinator. It brings together a community of more than 300 supporters - from academia, industry, European and national networks, NGOs, civil society, governmental and local authorities - from the EU and beyond. SUNERGY is working out a strategy for its long-term funding from national and European sources with the ultimate goal of giving European stakeholders the opportunity to work on important scientific issues in collaborative partnerships, creating the conditions for innovative, ground-breaking and multidisciplinary research for the storage of renewable energies into chemical energy. SUNERGY is currently funded by Utrecht University and the supporting institutions.

Executive Board

Bert Weckhuysen (Coordinator, Utrecht University); Frédéric Chandezon (Deputy Coordinator, French Alternative Energies and Atomic Energy Commission); Jens Nørskov (Technical University Denmark); Joanna Kargul (University of Warsaw); Gabriele Centi (University of Messina); Carina Faber (UC Louvain); Robert Schlögl (Fritz Haber Institute of the Max Planck Society); Huub de Groot (Leiden University); Maximilian Fleischer (Siemens AG)

Industrial Advisory Board

Under construction with Maximilian Fleischer as Chair (Siemens AG)