

Training the next generation of scientists in solar chemicals for a sustainable Europe by hybrid molecule/semiconductor devices

Timeline | 02/2020 to 06/2024

ICIQ People | [N. López Research Group](#)

Budget | 4,037,074 €

<https://www.solar2chem.eu>

ICIQ's Budget | 498,324 €

Call | H2020-MSCA-ITN-2019

SUMMARY

Solar chemicals are starting to play a continually bigger role as an ecologically safe energy source. Despite this and their capability for industrial and civilian use, the European industrial landscape has been lacking in research on solar chemicals. The EU-funded **SOLAR2CHEM** project aims to train 15 new researchers in state-of-the-art concepts and techniques with a focus on physical sciences to research on hybrid devices for producing solar chemicals. They will also take into account the environmental footprint in manufacturing, and promote the use of solar chemicals in both the European industry and the private sector.



Training

To train 15 ESRs in state of the art concepts and techniques, with a strong focus on interdisciplinary knowledge on physical sciences.



Knowledge

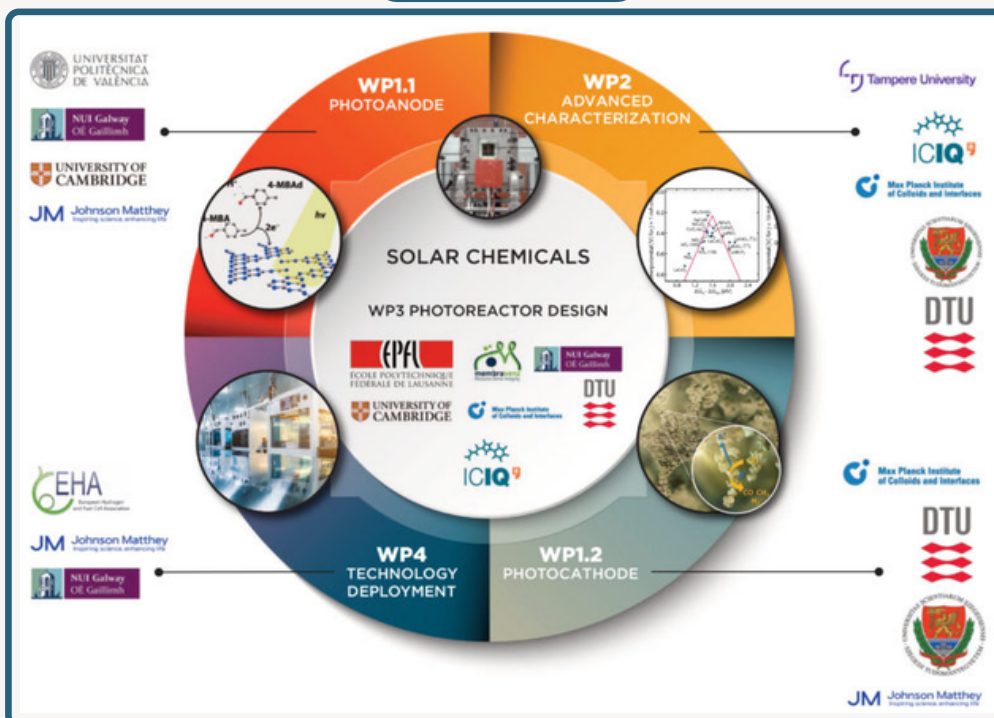
To advance knowledge on hybrid devices for solar chemicals production focussing on novel molecules and materials exceeding current efficiencies and selectivity, while considering the environmental footprint based on materials availability and manufacturing process.



Promotion

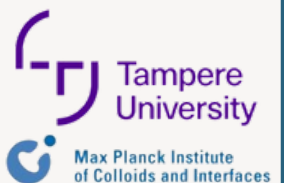
To cover the promotion of solar chemicals within policy-makers and stakeholders, and the development of the private sector through communication to the general public.

PROJECTS



CONSORTIA

Project coordinator



Partners:
membransenz

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