

Innovative Photoelectrochemical Cells for Solar Hydrogen Production

FOTOH₂

WORK PROGRAMME

TOPIC

H2020-NMBP-2016-2017 /
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CONTRACT

760930

DURATION

January 2018 - December 2020

CONTACT

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Project Goal

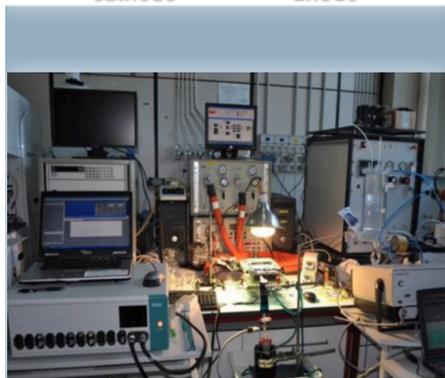
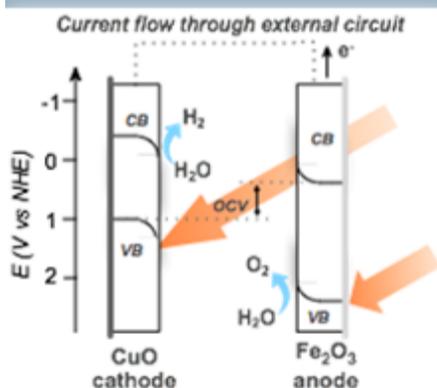
FotoH₂ shall develop a highly efficient tandem photoelectrolysis cell for solar H₂ production. The main target of FotoH₂ is the prototyping and validation of a mass-deployable solar H₂ production technology, in the form of easily integrable flat panels.

Expected Results

The following specific breakthroughs are targeted:

- Achieving long-lasting cells for solar H₂ production
- Production of pure H₂ in the output stream
- Cost-effective advanced photoelectrode materials
- Simple flow-cell design
- High Solar-to-Hydrogen conversion efficiency
- Record-setting electric-to-chemical energy conversion

Consortium



HYGEAR

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