

Interreg

Sudoe

KET4F-Gas



Reduction of the Environmental Impact of Fluorinated Gases in the Sudoe space using Key Enabling Technologies



9 INNOVATION AND INFRASTRUCTURE



DECOCHROM

Bringing Electrochromics to New Markets and Products

The DecoChrom project brings together a strong interdisciplinary consortium of **15 partners**, industry and research balanced, with state-of-the-art backgrounds in **design, chemistry, printing, coatings and laminates, electronics system integration**, and complete **electrochromics solutions**.

7 AFFORDABLE AND CLEAN ENERGY



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



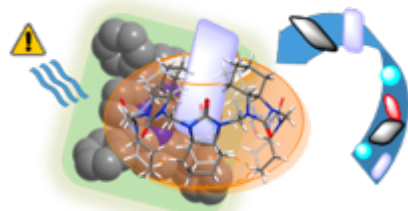
SUNSTORAGE

HARVESTING AND STORAGE OF SOLAR ENERGY PROJECT

The SunStorage project envisages to research and develop direct and efficient conversion of sunlight into storable chemical and electrochemical fuels.

A particular highlight the project aims to achieve is the usage of a PEC device to convert sunlight into electrochemical energy in a redox flow battery (RFB), and the conversion of CO<sub>2</sub> into CO and into MeOH.

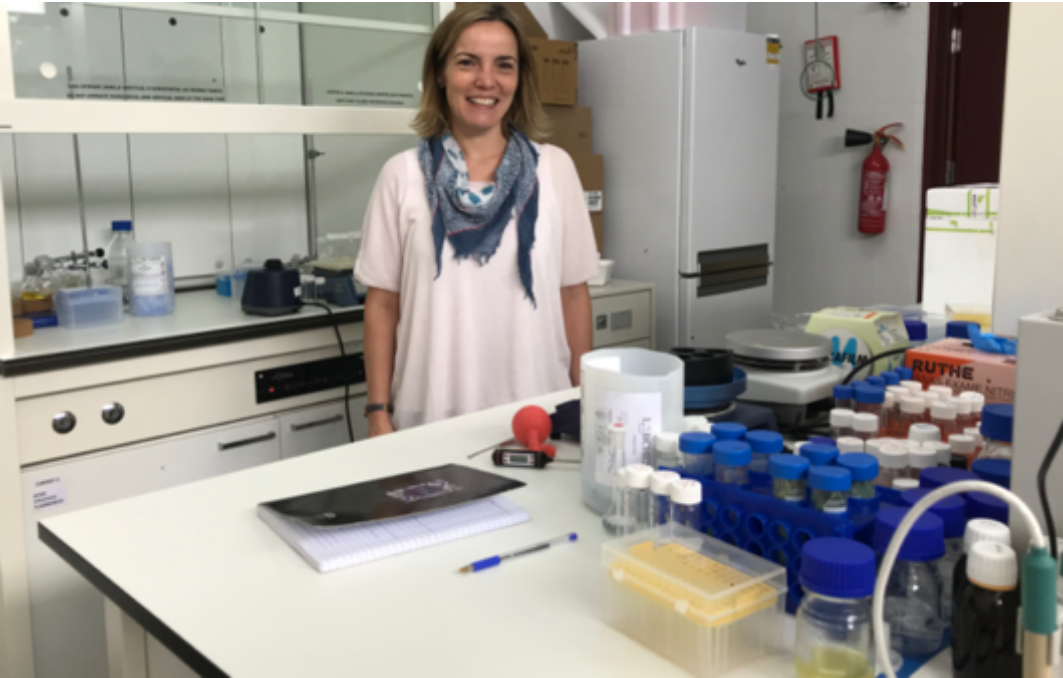
Scientists from five European countries have joined forces to develop next-generation 'chemical noses' to remove industrial pollutants from the environment.



2.9 M€

Horizon2020 FET-OPEN proj INITIO

“CA18224 - Green Chemical Engineering Network  
towards upscaling sustainable processes”



“ALGA4FOOD - Algae in Gastronomy -  
Development of innovative conservation and  
utilization techniques”, developed by LAQV researchers  
at FCT NOVA has been highlighted by the media in El País.

“agriculture cannot feed 7 billion people, fish resources are running out and there are already many endangered species. The future of mankind's diet involves the use of algae”

BioEng Lab researchers use food waste  
to produce biodegradable plastics



10 European Union member countries



- **The Carbon Dioxide Utilisation Network, UK**
- **Green Chemistry Network”** in Spain
- **CO<sub>2</sub> Value Europe**  
(<http://www.co2value.eu>)



***CO<sub>2</sub> Value Europe is the industry-driven European Association which is committed to coordinate and represent the CO<sub>2</sub> Utilisation community in Europe and to build up an integrated vision and action plan to develop CO<sub>2</sub> Utilisation into a new industrial sector making a significant contribution to Europe's low carbon economy.***