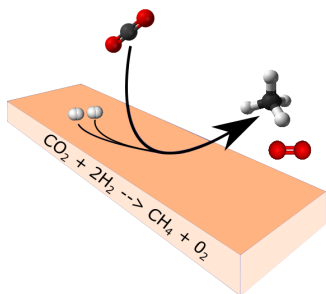


Synthetic fuels for an energetic sustainability with renewable energy

The production of synthetic fuels can be a via reduction either of water and CO₂ can be a solution for decrease of the greenhouse gases emission in several industrial activities. Of special interest is the production of natural gas for mobility and to connect the electric and gas grids.

In this workshop we aim to show different project in the field of fuel synthesis which are in a pilot plant level that are lead by industry. We ought to open a discussion about the different technologies and what is the best for each application,

Furthermore we will show new developments that are being investigated at laboratory scale that should become the next wave of product near to the market.



Free Online
Inscription

Venue: Escola d'Enginyeria Barcelona Est (EEBE-UPC)
Sala polivalent Edif. I
Date: 29th November 2016

Tentative Program

8:30-9:00	Registration
9:00-9:15	<i>Welcome</i> Dr. Raül Benages, XARMAE developer. IREC, Sant Adrià de Besòs.
	<i>Pilot plants for CO₂ conversion</i>
9:15-9:35	<i>LIFE-Methamorphosis project: greenhouse gases mitigation through waste treatment and biomethane production for mobility</i> Sr. Antonio Giménez Lorang, Dep. de Innovación y Tecnología. FCC Aqualia. Sra. Laia Sarquella Divisió de Gestió Energètica, ICAEN.
9:35-9:55	<i>RENOVAGAS: process for the production of renewable natural gas</i> Sr. Jorge Modrego, Dirección de Tecnología e Innovación, Enagas. S. A.
9:55-10:15	<i>LIFE Ecorkwaste project. a pilot plant for cork gasification and circular economy</i> Dr. Frederic Clarens, CTM-EURECAT. Sr. Santiago Sahuquillo, TYPESA.
10:15-10:35	<i>Negative CO₂ emissions through chemical looping technology</i> Dr. Francisco García Labiano ICB-CSIC. Leader CO ₂ Capture Working Group of PTECO2.
10:35-11:00	<i>Discussion</i>
11:00-11:30	Coffee-networking
	<i>Technologies for CO₂ conversion</i>
11:30-11:50	Gas natural verde y la red de gas Sr. John Chamberlain, Gas Natura Fenosa.
11:50-12:10	<i>WWTP biogas. pretreatment and upgrading process till biomethane quality.</i> Sra. Sílvia Nadal, Labaqua.
12:10-12:30	<i>Synthetic fuel production using membrane reactors</i> Prof. Jordi Llorca, UPC-EEBE.
12:30-12:50	<i>New developments for methane de synthesis: plasma activated catalysis</i> Prof. Joan Ramon Morante, IREC. Dra. Teresa Andreu, IREC.
12:50-13:15	<i>Discussion</i>