



EUROPEAN COMMISSION
DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Directorate G - Industrial technologies
G.3 - Materials Research

European Workshop

CO₂: From Waste to Value

CO₂ can be a precious raw material for the European chemical industry.

The Directorate-General for Research and Innovation of the European Commission is organising a workshop on CO₂ and algae utilisation - as future raw material for chemicals.

The Workshop will take place in Brussels on March 30, 2011 from 9.00h until 17.00h – Piet Mondrian building (CDMA), Rue du Champ de Mars 21, B-1050 Brussels.

The workshop will bring together experts on catalysis, biology, chemical and CO₂ technologies and algae and will identify challenges and opportunities for potential future research. The workshop will build upon the strong research capacity which already exists in Europe taking an integrated approach and focusing on the development of novel (catalytic) solutions to convert CO₂ and marine biomass into valuable products.

Would you like to participate?

There is no registration fee. However, in view of the limited number of available places, we ask for expressions of interest to participate in the workshop to be sent to

RTD-NMP-MATERIALS@ec.europa.eu - participants will receive confirmation by March 20 at the latest.

European Commission

DG Research and Innovation – Materials Research

Renzo Tomellini / Helge Wessel



European Workshop

CO₂: From Waste to Value

Brussels, 30 March 2011, Rue du Champ de Mars 21

Agenda

Speaker	Organisation	Topic
9.00am Registration and coffee		
9.30am Session 1: CO ₂ – Chairman: Dr Renzo Tomellini		
Dr Helge WESSEL	European Commission	Welcome to workshop
Prof Gabriele CENTI	Università di Messina (IT) - ERIC	Keynote address
Dr Paul RAATS	KEMA (NL)	Nanoglowa project: CO ₂ separation from power plant off gases
Dr Christoph GÜRTLER	BAYER (DE)	CO ₂ -based polyols for polyurethanes
Prof Walter LEITNER	RWTH (DE)	CO ₂ as raw material for chemical synthesis – from waste to value
Prof Mercedes MAROTO-VALER	University of Nottingham (UK)	Conversion of CO ₂ into value-added products by mineralization'
Prof Bao-Lian SU	Univ. Namur, Belgium (BE)	Bioconversion of CO ₂ using photobiochemical leaf-like materials
2.30pm		
Session 2: Algae – Chairman: Prof Gabriele Centi		
Thomas BUHL	Global Bioenergies, Paris (FR)	New metabolic pathways allowing the production of light olefins by algae
Prof José Lucas Pérez Lloréns	Faculty of Marine and Environmental Sciences University of Cadiz (ES)	Seaweeds: uses and potentials
Prof Sammy BOUSSIBA	Ben-Gurion University of the Negev (IL)	Production of high value products by microalgae
Dr Renzo TOMELLINI	European Commission	Conclusions and closing remarks

Workshop rapporteur: Dr Grazyna Zakrzewska (PL)