

>> Program

Monday 27

08:00 - 08:45 Registration and welcome coffee – posters hang up

08:45 - 09:00 **Participants welcome and Introduction**

G rard Pignault, CPE Lyon, France.

SESSION 1 CO₂ : the context

Chair: Claude Fussler, Global Compact, United Nations.

09:00 - 10:00 **Climate mitigation – the scientific context**

Youba Sokona, Intergovernmental Panel on Climate Change.

10:00 - 10:30 Coffee Break

10:30 - 11:00 **Climate mitigation – the social and political context**

Janos Pasztor, United Nations.

11:00 - 11:30 **CO₂ capture and carbon finance – windows of opportunity**

Beno t Leguet, Mission Climat de la caisse des d p ts et consignations, France.

11:30 - 12:00 **Questions to speakers' round table and Chair's conclusions**

12:00 - 14:00 Lunch Break

SESSION 2 CO₂ to carbonates and chemicals

Chair: Jean-Claude Oppeneau, ADEME, France.

14:00 - 14:30 **CO₂ as a C1-building block**

Danielle Ballivet-Tkachenko, CNRS and Universit  de Bourgogne, France.

14:30 - 15:00 **CO₂ to carbonates**

Angela Dibenedetto, Universit  di Bari, Italy.

15:00 - 15:30 **Mineral carbonation for CO₂ Storage**

Mercedes Maroto-Valer, Nottingham University, United Kingdom.

15:30 - 16:00 Tea Break

SESSION 3 CO₂ to polymers and chemicals

Chair: Thomas M ller, Catalytic Center RWTH Aachen, Germany.

16:00 - 16:30 **Conversion of CO₂ for coating applications**

Armin Michel, DSM, Netherlands.

16:30 - 17:00 **Electrochemical conversion of CO₂**

David Pasquier, IFP, France.

17:00 - 17:30 **CO₂ as a feedstock for polyurethane production**

Christoph G rtler, Bayer MaterialScience, Germany.

17:30 - 18:00 **Questions to speakers' round table and Chairs' conclusions**

POSTER Poster Session and Cocktail

until 20:00

>> Program

Tuesday 28

SESSION 4 CO₂ to fuels

Chair : Jean-Marie Basset, KAUST, Arabie Saoudite.

09:00 - 09:30 **Beyond Oil and Gas: Methanol Economy by Recycling of Carbon Dioxide**
G. K. Surya Prakash, University of South California, United States.

09:30 - 10:00 **CO₂ Enzymatic carboxylation and reduction to methanol**
Michele Aresta, Università di Bari, Italy.

10:00 - 10:30 **CO₂, formic acid and hydrogen economy**
Matthias Beller, Leibniz-Institut für Katalyse, Rostock, Germany.

10:30 - 11:00 **Questions to speakers' round table and Chairs' conclusions**

11:00 - 11:20 Coffee Break

SESSION 5 Bioroutes to CO₂ conversion

Chair : Slavik Kasztelan, IFP, France.

11:30 - 12:00 **Bioconversion of CO₂ by photochemical materials**
Bao-Lian Su, Université de Namur, Belgium.

12:00 - 12:30 **Photosynthetic efficiency in production of microalgae**
Otto Pulz, IGV Institut, Germany.

12:30 - 13:00 **Questions to speakers' round table and Chairs' conclusions**

13:00 - 14:30 Lunch Break

SESSION 6 Enabling technologies

Chair : Sophie Jullian, AXELERA and IFP, France.

14:30 - 15:00 **Chemical industry, white biotechnology and renewables**
Marc Delcourt, Global Bioenergies, France.

15:00 - 15:30 **Solar energy engineering**
Hanna Helena Klein, EZKlein Partners, Israel.

15:30 - 16:00 Tea Break

SESSION 7 Outlook and Conclusions

Chair : Paul-Joël Derian, Rhodia.

16:00 - 16:30 **The Future of Energy Conversion: A Perspective from the Chemical Industry**
Theresa Kotanchek, DOW Chemical, USA.

16:30 - 17:00 **Energy conversion and renewables: The potential and limits of CO₂ large scale capture and recycling**
Gabriele Centi, Università di Messina, Italy.

17:00 - 17:30 **Questions to speakers' round table and Chairs' conclusions**

17:30 - 17:40 **Closure**
Alessandra Quadrelli, CPE Lyon and CNRS, France.