



**Dates:** 17-18/06/2019

**Location:** Brussels

**Address:** Palais des Académies, rue Ducale 1, 1000 Bruxelles

## Monday, June 17

**9:30 – 10:00 am**

*Welcome, coffee*

**10:00 – 10:15 am**

**Opening address**

Huub de Groot | Leiden University

**10:15 – 12:45 pm**

**SUNRISE Consolidated vision**

Chair: Nicola Armaroli | National Research Council of Italy (CNR)

Speakers:

- Marc Fontecave | College de France, Paris
- Roel van de Krol | Helmholtz-Zentrum Berlin
- Marcella Bonchio | University of Padova
- Jens Nørskov | Technical University of Denmark

Wrap-up session

**12:45– 2:00 pm**

*Lunch*

**2:00 – 4:00 pm**

**SUNRISE Roadmap**

Chair: Hervé Bercegol | French Alternative Energies and Atomic Energy Commission (CEA)

Speakers:

- Damien Dallemagne | CO<sub>2</sub> Value Europe
- Niek van Hulst | The Institute of Photonic Sciences (ICFO)
- Sophia Haussener | École Polytechnique Fédérale de Lausanne
- Michel Gimenez | LafargeHolcim

Wrap-up session

**4:00 – 4:30 pm**

*Coffee break*



**4:30 – 6:00 pm**

**SUNRISE Governance workshop**

This session aims at addressing the governance of a large-scale research initiative, for example a future mission under Horizon Europe. It will start with an introduction followed by a panel discussion with representatives of the European Commission, member states and associated countries, representatives of industry and flagship – also involving the audience.

Chairs: Frédéric Chandezon (CEA) and Laura Lopez | Institute of Chemical Research of Catalonia (ICIQ)

Speakers:

- Jean-François Buggenhout | DG Connect, European Commission
- Lars Klüver | Danish Board of Technology Foundation
- Paulina Styczeń | Department of Innovation and Development of the Poland's Ministry of Science and Higher Education
- Andreas Förster | DECHEMA
- Marcel Hoek | Dutch Research Council (NWO)
- Max Lemme | Scientific Secretary of the Strategic Advisory Council and former leader of the Graphene Flagship Partnering Division

**6:00 – 8:00 pm**

***Networking dinner***

**Tuesday, June 18**

**8:30 – 9:00 am**

***Welcome, coffee***

**9:00 – 9:30 am**

**The urgency of the climate challenge: Why zero net emissions are needed?**

Jean-Pascal van Ypersele, Former IPCC Vice-Chair, Full professor of climatology and environmental sciences at UCLouvain, Belgium, and Member of the Belgian Royal Academy.

**9:30 – 10:30 am**

**Views from the SUNRISE community: Pitches from SUNRISE supporters**

Chairs: Anita Schneider | European Energy Research Alliance (EERA) and Frédéric Chandezon (CEA)

Speakers:

- Robert Kourist | TU Graz
- Merja Penttilä | VTT Technical Research Centre of Finland
- David Waroquiers | MaDeSo
- David Ayme-Perrot | Total
- Marc Robert | Université Paris Diderot



- Hannah Johnson | Toyota Motor Europe
- Klaas J. Hellingwerf | Photanol
- Martin Roeb | DLR Institute of Solar Research
- Christoph Beuttler | Climeworks
- Pierdomenico Biasi | Casale SA
- Elisabet Romero | Institute of Chemical Research of Catalonia (ICIQ)
- Paolo Bombelli | University of Cambridge
- Astrid Bjørnsen | Wald Schnee und Landschaft WSL

**10:30 – 11:00 am**

*Coffee break*

**11:00 – 12:45 pm**

**Innovation workshop**

Chairs: Antonino Ardilio | Fraunhofer and Elfriede Simon | Siemens

- Introduction
- SUNRISE Innovation Strategy | Yvonne Wich | Fraunhofer
- SUNRISE Innovation Process Design

**12:45 – 2:00 pm**

*Lunch*

**2:00 – 2:30 pm**

**Scientific presentation**

Daniel Nocera | Harvard University

**2:30 – 4:00 pm**

**Road mapping workshop**

Chair: Carina Faber | UCLouvain

**Three parallel sessions:**

- **Hydrogen and ammonia production**  
*Salle Roi Baudoin*
- **CO<sub>2</sub> capture and electrochemical conversion**  
*Patio*
- **Solar direct conversion via bio-, biohybrid- and integrated photoelectrochemical devices**  
*Salle Prigogine*

**4:00 – 5:00 pm**

*Closing Coffee, networking*