

Sustainability meets Scalability:

Joint EIC – SUNERGY Roadmapping Event on Renewable Hydrogen, Fuels and Chemicals

Uniting Academia, Industry and Policy to Forge Critical Milestones for EU's Sustainable Energy and Chemical Innovations

26 & 27 March 2025

European Commission, Champ de Mars building (CDMA), Rue du Champ de Mars 21, 1050 Brussels

Preliminary AGENDA

DAY 1

09:30 – 10:00	Registration and welcome coffee
10:00 – 10:30	Reality Check: Pivotal Role of Molecules in Energy Industry Opening remarks by the organizers Keynote Jan Mertens, Chief Science Officer at ENGIE Research & Visiting Professor at University of Ghent
10:30 – 11:30	Societal needs: Frame setting and Policy Support Presentations by several representatives of the European Commission <ul style="list-style-type: none">- Martin Lange, European Commission, Directorate-General GROW- Fabien Ramos, European Commission, Directorate-General CLIMA- Eva Nussmueller, European Commission, Directorate-General REGIO- Ewa Oney, European Commission, Directorate-General MOVE- Carina Faber, European Commission, European Innovation Council Q&A with all speakers, panel
11:30 – 12.30	Showcasing European R&I on Renewable Hydrogen How Does It Work in Practice? Project pitches by EIC Green H ₂ Challenge Portfolio The moderator interactively includes the presented KPIs in a Technological Roadmap
12.30 – 13.45	Lunch break
13.45 – 15.00	Innovation in practice Keynote Michiel Scheffer, President of the Board of the European Innovation Council Keynote Tim van den Bergh, Lead Climate Tech Innovation, World Economic Forum



Key Enablers for Innovation: from benchmarking to capacity building

Miet Van Dael, VITO

Vera Grimm, German Ministry of Education and Research

Representative Global Impact Coalition

Liesbet Boogaerts, BlueChem

A Start-up perspective on Innovation

Csaba Janaky, eChemicles (SolarCO2Value project)

Carlos Sanz, Matteco

Andreas Büchler, ionysis GmbH (ENABLER project)

Steven Peleman, TripleHelix

Q&A with all speakers, panel

15:00 – 15:15

Coffee break

15:15 – 16:45

Technological Roadmapping Session 1

Introduction to the SUNERGY roadmapping process

Breakout Sessions

1. Advanced Electrochemical Conversion
2. Photosynthetic Devices
3. Biological Conversion
4. Carbon Capture
5. Key Performance Indicators (KPIs) for EU projects
6. Young Scientists Working Group

16:45 – 17:00

Fruit break

17:00 – 18:00

Technological Roadmapping Session 2

Breakout Sessions

Plenary: Report Back

18:00 – 20:00

Convivial Dinner

Informal networking dinner

Opportunity for attendees to discuss, connect and foster collaborations



DAY 2

09:00 – 9:30

Registration and welcome coffee

9:30 – 10:00

Reality Check: The Scales We Need for Defossilization

Opening remarks by the organizers

Keynote Maximilian Fleischer, Chief Technical Expert of Siemens-Energy and Honorary Professor at TU-Budapest

10:00 – 11:00

Renewable Fuels & Chemicals: Frame setting

Moderated round table with European associations and initiatives

- Frédéric Chandezon, EU SUNERGY Initiative
 - Alexis Dunand, Carbon Gap
 - Ludo Diels, P4P
 - Tudy Bernier, CO2ValueEurope
 - WILMET Sophie, Cefic
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11:00 – 12:00

**Showcasing European R&I on Renewable Fuels & Chemicals
How Does It Work in Practice?**

Project pitches by EU-funded projects and start-ups

- SOLDAC, Issac Herraiz
 - S2B, Yagut Allahverdiyeva-Rinne
 - Mi-Hy, Rachel Armstrong
 - SolarFoods, Juha-Pekka Pitkänen
 - DAM4CO2, Alessio Fuoco
 - TURN2X, Luis Martinez
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12:00 – 13:00

Lunch break

13:00 – 14:00

Co-Creation Session for CCU Industrial Uptake

Breakout Option 1:

SOLDAC WORKSHOP on Sustainability & Integrated Industrial Process

Product Viability and Market Readiness

What CO₂-based products have the greatest scaling potential?

What factors make a CO₂ product competitive in the market?

Integration and Infrastructure

Strategies to integrate CCU technologies into existing industrial processes

Quick wins that could drive broader CCU adoption

Sustainability and Metrics

How to assess and improve the sustainability of CCU technologies?



What metrics or indicators should be used to measure long-term success?

Break-out Option 2:

WORKSHOP on Finance, Policy and Sectors hosted by WEF and EIC

Finance

How to unlock more financing, strengthen risk appetite, and enable mechanisms like off-take agreements to overcome economic barriers for CCU technologies?

Policy

What policies and regulatory frameworks are needed to support the scaling up of CCU technologies in key industries and create viable markets for these new products?

Cross-Sector Collaboration

What collaborations across the value chain are essential to enable markets and drive the successful scaling of CCU technologies?

14:00 – 14:15

Wrap-Up & Goodbye

Closing Remarks by event organizers & Next Steps

