

# 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

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| 09:30 – 10:00 | <b>Registration and welcome coffee</b>  |
| 10:00 – 10:30 | <b>Reality Check: Hydrogen economy</b><br><b>Opening remarks</b> by the organizers<br><b>Keynote</b> Green Hydrogen Production: sustainable and cost-efficient?   |
| 10:30 – 11:30 | <b>Societal needs: Frame setting and Policy Support</b><br><b>Presentations</b> by several representatives of the European Commission   |
| 11:30 – 12.30 | <b>Showcasing European R&amp;I on Renewable Hydrogen</b><br><b>How Does It Work in Practice?</b><br>Project pitches by EIC Green H <sub>2</sub> Challenge Portfolio<br>The moderator interactively includes the presented KPIs in a Technological Roadmap |
| 12.30 – 13.45 | <b>Lunch break</b>  |
| 13.45 – 15.00 | <b>Innovation in practice</b><br><b>Session “Key Enablers to Speed up Innovation”</b><br>Benchmarking & Assessments<br>Licensing & Patenting<br><b>Session “Industrial Materials Innovation”</b>  |
| 15:00 – 15:15 | <b>Coffee break</b>   |
| 15:15 – 16:45 | <b>Technological Roadmapping Session 1</b><br><b>Introduction to the SUNERGY roadmapping process</b>  |



### 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

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**16:45 – 17:00**

**Fruit break**

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**17:00 – 18:00**

**Technological Roadmapping Session 2**  
**Breakout Sessions**  
**Plenary: Report Back**

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**18:00 – 20:00**

**Convivial Dinner**  
**Informal networking dinner**  
**Opportunity for attendees to discuss, connect and foster collaborations**

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## DAY 2

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**09:00 – 9:30**

**Registration and welcome coffee**

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**9:30 – 10:00**

**Reality Check: Circular carbon economy**  
**Opening remarks** by the organizers  
**Keynote** The Need for Molecules – From Sustainable Resources at Large Scale?

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**10:00 – 11:00**

**Renewable Fuels & Chemicals: Frame setting**  
**Presentations** by representatives of diverse European associations and initiatives

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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 different EU-funded projects on all maturity levels  
The moderator interactively includes the presented KPIs in a Technological Roadmap

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**12:00 – 13:00**

**Lunch break**

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**13:00 – 14:00**

**Co-Creation Session for CCU Industrial Uptake**  
**Explanation of session format and desired outcomes**  
**Interactive Engagement via Mentimeter**  
Barriers: What challenges hinder large-scale CCU adoption



Public Trust: How can the CCU industry gain public support?

Technological Needs: What technological advancements are critical?

### **Collaborative Working Group Discussion**

#### **Product Viability and Market Readiness**

*What CO<sub>2</sub>-based products have the greatest scaling potential?*

*What factors make a CO<sub>2</sub> 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?*

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**14:00 – 14:15**

### **Wrap-Up & Goodbye**

**Closing Remarks by event organizers & Next Steps**

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