# SUN2X-SET Roadmapping Workshop

## Activation of the SUN2X-SET Working Groups and Development of the EU DSF R&I Roadmap

**19-20 October 2026**

*European Commission, CDMA, Rue du Champ de Mars 21, 1050 Brussels, Belgium*

| AGENDA<br>MONDAY 19 OCTOBER | |
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| 12:30 – 13:30 | **Registration & Welcome Lunch** |
| 13:30 – 13:45 | **Introductory words and objectives of the day**<br>*Beatrice Coda, Head of Unit C2, DG RTD*<br>*Gabriele Gaffuri, SUN2X-SET Project Coordinator, EERA* |
| 13:45 – 14:15 | **A broad perspective introduction to direct solar fuels (DSF)**<br>*Bill Tumas, Deputy Laboratory Director, National Laboratory of the Rockies (NLR), USA* |
| 14:15 – 14:45 | **R&I Policy perspectives on Direct Solar Fuels**<br>*Thomas Schleker, Policy Officer, European Commission*<br>**Overview of SRIA and Roadmap on Solar Fuels and Chemicals**<br>*Joanna Kargul, Head of Solar Fuels Laboratory, University of Warsaw* |
| 14:45 – 15:00 | **Approach: from gaps to actions**<br>*Muriel Matheron, Research Director, CEA & Joanna Kargul, Head of Solar Fuels Laboratory, University of Warsaw* |
| 15:00 – 15:30 | **Coffee break** |

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| 15:30 – 16:30 | **4 parallel breakout sessions**<br>*WG1 Photosynthetic devices*<br>*WG2 Bio-based approaches*<br>*WG3 Solar thermal conversion*<br>*WG4 Sustainable $CO_2$ sourcing* |
| 16:30 – 16:45 | **Coffee break** |
| 16:45 – 17:45 | **4 parallel breakout sessions**<br>*WG1 Photosynthetic devices*<br>*WG2 Bio-based approaches*<br>*WG3 Solar thermal conversion*<br>*WG4 Sustainable $CO_2$ sourcing* |
| 17:45 – 18:15 | **Breakout sessions summary**<br>*Each WG leader* |
| 18:15 – 19:15 | **Networking cocktail** |

| AGENDA<br>TUESDAY 20 OCTOBER | |
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| 08:30 – 09:00 | **Welcome coffee** |
| 09:00 – 09:30 | **Development of the EU DSF R&I Roadmap**<br>*Joanna Kargul, Head of Solar Fuels Laboratory, University of Warsaw* |
| 09:30 – 10:30 | **4 parallel breakout sessions**<br>*WG1 Photosynthetic devices*<br>*WG2 Bio-based approaches*<br>*WG3 Solar thermal conversion*<br>*WG4 Sustainable $CO_2$ sourcing* |
| 10:30 – 10:45 | **Coffee break** |
| 10:45 – 11:45 | **DSF technologies success stories**<br>*Muriel Matheron (CEA): EASI Fuel – finalist of the EIC Horizon Prize "Fuel from the Sun: Artificial Photosynthesis"*<br>*Salvador Eslava (Imperial College London): Integrated photovoltaic (photo)electrodes for direct solar fuel production*<br>*Yagut Allahverdiyeva-Rinne (University of Turku): S2B: Solar-to-butanol conversion in microbial cell factories*<br>*Lionel Ventelon (H2WIN): EZYCELL® enzymatic solution for fuel-cell genset market* |
| 11:45 – 12:15 | **Breakout sessions summary**<br>*Each WG leader* |
| 12:15 – 12:30 | **Closing remarks**<br>*Gabriele Gaffuri, SUN2X-SET Project Coordinator, EERA* |
| 12:30 – 13:30 | **Goodbye lunch** |