



SUNER-C

Deliverable 7.2: Workshop for industrial stakeholders about a LSRI





Table 1

Project Summary	
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Service	HADEA/B/03

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Table 2

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Final version	28 November 2023
WP	7 – Large Scale Research Initiative beyond the CSA
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Authors	Frédéric CHANDEZON (CEA), Nathan COUTARD (UU), Maximilian FLEISCHER (SE), Arne ROTH (FHG)
Deliverable Number	D7.2
Deliverable Name	Workshop for industrial stakeholders about a LSRI
Reviewers	Project Coordination Team (UU, CEA, CVE & ICIQ) & SUNER-C Quality and Impact Assurance (Q&IA) Board
Abstract	<p>This report presents the general concept of the planned workshop for industrial stakeholders planned in relation to task 7.2 of the SUNER-C project “Engagement of the private sector in the LSRI”. The workshop aims at informing and involving industrial players along the value chain in the construction of a European public-private partnership on sustainable fuels (including synthetic fuels or RFNBOs and advanced biofuels) by tackling the various aspects, roadmap, governance, financing (particularly on the private financing part), links with public decision-makers (European Commission and Member States), links with the academic community, links with other national and European initiatives and communities (e.g. other European partnerships), regulations. Compared to original plans (deliverable at M18), the workshop has been delayed around M24. This is in order to align with the general timeline of the discussion on the strategic plan of Horizon Europe and the new European partnerships, as the LSRI identified (Task 7.1 and deliverable D7.1) identified a co-programmed public-private partnership on “sustainable fuels as energy carriers” as the preferred scenario.</p>





The workshop will also include the visit of an industrial site whose activities are in line with the scope of the planned LSRI-partnership. This document presents the status on the organization of this workshop.





Table 3

Document History			
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Final version	28 November 2023	Frédéric Chandezon (CEA) Nathan Coutard (UU)	



Table 4

Consortium Information

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4. UNIVERSITEIT GENT (GU)
5. UNIVERSITEIT LEIDEN (LU)
6. UNIWERSYTET WARSZAWSKI (UW)
7. FUNDACIO PRIVADA INSTITUT CATALA D'INVESTIGACIO QUIMICA (ICIQ)
8. SIEMENS ENERGY GLOBAL GMBH & CO. KG (SE)
9. DECHEMA GESELLSCHAFT FUR CHEMISCHE TECHNIK UND BIOTECHNOLOGIE (DECH)
10. FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV (Fraunhofer)
11. CARBYON BV (CAR)
12. TURUN YLIOPISTO (UTU)
13. USTAV FYZIKALNI CHEMIE J. HEYROVSKEHO AV CR, v. v. i. (HIPC)
14. UPPSALA UNIVERSITET (UppU)
15. COVESTRO DEUTSCHLAND AG (COV)
16. CO2 VALUE EUROPE AISBL (CVE)
17. FUNDACION IMDEA ENERGIA (IME)
18. ALMA DIGIT SRL (AD)
19. INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM (IMEC)
20. AVANTIUM CHEMICALS BV (AVT)
21. ALLIANCE EUROPEENNE DE RECHERCHE DANS LE DOMAINE DE L'ENERGIE (EERA)
22. SYNERGEIES STIN EPISTIMI KAI TECHNOLOGIA-SYNEST IDIOTIKI KEFALAIOUCHIKI ETAIREIA (SYN)
23. UNIVERSITATEA DIN BUCURESTI (UB)
24. ARCELORMITTAL BELGIUM NV (AM)
25. VICAT (VIC)
26. BELGISCH LABORATORIUM VAN ELEKTRICITEITSINDUSTRIE (ENGIE-LAB)
27. ENGIE (ENGIE) – **Affiliate Entity**
28. RHODIA OPERATIONS (SOLVAY)
29. BOND BETER LEEFMILIEU VLAANDEREN (BBL)
30. TOTALENERGIES ONE TECH BELGIUM (TEOTB) -- **Associated Partner**



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Executive summary

This document, "**D7.2 Workshop for industrial stakeholders about a LSRI**", is a deliverable of the SUNER-C project, which is funded by the European Union's Horizon Europe under Grant Agreement No 101058481. The document is related to the **Task 7.2 "Engagement of the private sector In the LSRI"**. The task aims at fostering the engagement of the European industrial stakeholders and industry driven networks and initiatives in the a future European Large Scale Research and Innovation Initiative (LSRI) after the SUNER-C CSA with efficient high risk/high impact R&I. In **Task 7.1**, the identified preferred scenario was a co-programmed public-private European partnership on "*Sustainable fuels as energy carriers*" (including synthetic fuels or RFNBOs and advanced biofuels, see **D7.1** for more details).

One of the planned actions in **Task 7.2** is to organize a workshop about the participation of industrial stakeholders which aims at informing and involving industrial players along the value chain in the construction of this partnership by tackling the various aspects, roadmap, governance, financing (particularly on the private financing part), links with public decision-makers (European Commission and Member States), links with the academic community, links with other national and European initiatives and communities (e.g. other European partnerships), regulations. Beyond industrial stakeholders, this workshop will also involve representatives of EC, MS and of the research community.

This report presents the general concept of this workshop and the current status regarding its organization. Compared to the original plans (deliverable at M18), the workshop will be delayed around M24. This is in order to align with the general timeline of the discussion on the strategic plan of Horizon Europe and the new European partnerships. The workshop is currently planned to be one day long (from lunch to lunch). It will be coupled to a SUNER-C consortium meeting to minimize travelling. The workshop will also include the visit of an industrial site whose activities are in line with the scope of the planned LSRI-partnership.

Currently, two locations are identified for the meeting:

- Ghent (Belgium) with the meeting at Ghent University and a visit of the Arcelor Mittal Steelanol plant;
- Grenoble-Lyon area (France) with the meeting at Vicat main site (L'île d'Abeau) and a visit of the Vicat cement plant in Montalieu-Vercieu.

The final decision on the location and date will be made end of 2023. A detailed agenda is under discussion.





Table of Contents

Disclaimer.....	2
Executive summary.....	8
List of abbreviations	10
1 Introduction	11
1.1. SUNER-C in short	11
1.2. Purpose of the deliverable	12
2 Status on the organization of the workshop for industrial stakeholders about a LSRI.....	13
2.1. Contents of the workshop and tentative agenda.....	13
2.2. Possible locations and dates.....	14
2.3. Next steps:.....	15





List of abbreviations

List of abbreviations	
CSA	Coordination and Support Actions
D	Deliverable
EC	European Commission
HE	Horizon Europe
LSRI	Large-Scale Research and Innovation Initiative
MS	Member State
RFNBO	Renewable Fuel of Non Biological Origin
R&I	Research and Innovation
WP	Work Package





1 | Introduction

1.1. SUNER-C in short

SUNER-C is a project that has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101058481. The project has officially started on 1 June 2022 and will last 36 months. Under the umbrella of the SUNERGY pan-European initiative, the SUNER-C programme entitled "SUNERGY Community and eco-system for accelerating the development of solar fuels and chemicals" will strengthen the solar fuels and chemicals community within Europe. The European Union has awarded 4 M€ to this project.

The SUNER-C consortium is a unique and balanced partnership of 30 organisations (including one affiliate and one associate partner), bringing together a large diversity of partners, expertise, fields, and representatives of all the EU regions. The consortium consists of 13 academic partners (UU, CEA, GU, LU, UW, ICIQ, Fraunhofer, UTU, HIPC, UppU, IME, IMEC, UB), 12 industrial companies (SE, CAR, COV, AD, AVT, SYN, AM, TEOTB, VIC, ENGIE-Lab, ENGIE, SOLVAY), 4 network organizations and federations (ERIC, DECH, CVE, EERA), and 1 Non-Governmental Organization (BBL).

The overarching objective of the SUNER-C project is to create an inclusive innovation community and eco-system that builds on the current SUNERGY network and includes new stakeholders across Europe. Bringing together fundamental and applied knowledge from various sectors of society as well as often unique resources, the enhanced community will prepare a Large-Scale Research and Innovation initiative (LSRI) beyond the CSA, as a partnership or another instrument to be discussed and agreed upon with the Commission and the Member States and Associated Countries. The goal is to overcome scientific, technological, organizational, and socio-economic challenges, accelerate innovation in solar fuels and chemicals, and enable the transition of existing and future technologies from laboratory and demonstrator levels to large-scale industrial and broad societal applications.

The SUNER-C consortium will also work on the development of a strategic roadmap towards the broad implementation of solar fuels and chemicals, with supporting strategies for innovation and exploitation, and a firm focus on crosscutting and socio-technical aspects.

Through a holistic approach, SUNER-C will contribute to a circular economy by replacing fossil-derived fuels and chemicals with renewables and carbon recycling as a key element toward the EU net-zero emissions target by 2050. SUNER-C will build upon the work of SUNERGY, a pan-European initiative on fossil-free fuels and chemicals from renewable power and solar energy, with currently over 300 supporting organizations across and beyond Europe to date.

In Figure 1 is represented an overview of the work package structure of SUNER-C with its eight WPs. The deliverable **D7.2** "Workshop for industrial stakeholders about a LSRI" is a deliverable of WP7



“Large Scale Research Initiative beyond the CSA”. More precisely, it is related to the **Task 7.2** “Engagement of the private sector in the LSRI”.

Please see here <https://sunergy-initiative.eu/suner-c/> for more information.

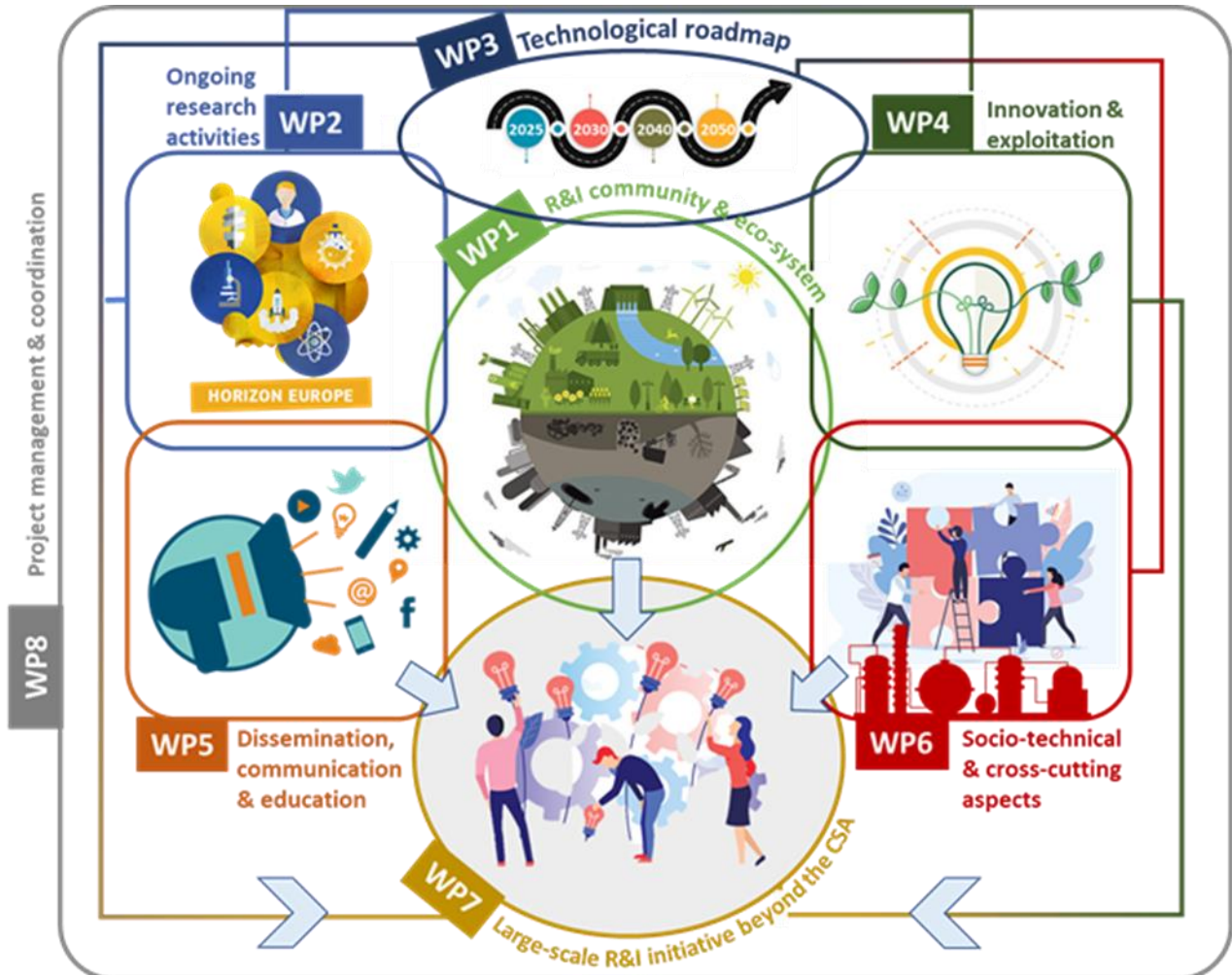


Figure 1: SUNER-C CSA project and its eight work packages. The “Workshop for industrial stakeholders about a LSRI (D7.2)” is a deliverable of WP7 “Large-scale R&I initiative beyond the CSA”

1.2. Purpose of the deliverable

The **Task 7.2** “Engagement of the private sector In the LSRI” aims at fostering the engagement of the European industrial stakeholders and industry driven networks and initiatives in the future European Large Scale Research and Innovation Initiative (LSRI) after the SUNER-C CSA with efficient high risk/high impact R&I. In Task 7.1, the identified preferred scenario was a co-programmed public-private European partnership on “Sustainable fuels as energy carriers” (including synthetic fuels or



RFNBOs and advanced biofuels, see **D7.1** "Prioritised scenarios and related HE instruments for a SUNER-C LSRI" for more details).

One of the planned actions in **Task 7.2** is to organize a workshop about the participation of industrial stakeholders which aims at informing and involving industrial players along the value chain in the construction of this partnership by tackling the various aspects, roadmap, governance, financing (particularly on the private financing part), links with public decision-makers (European Commission and Member States), links with the academic community, links with other national and European initiatives and communities (e.g. other European partnerships), regulations. Beyond industrial stakeholders, this workshop will also involve representatives of EC, MS and of the research community.

2 | Status on the organization of the workshop for industrial stakeholders about a LSRI

2.1. Contents of the workshop and tentative agenda

The workshop is planned to be one day long (from lunch to lunch). It will be coupled to a SUNER-C consortium meeting (1/2 day) to minimize travelling. It will also include a social event in the evening (dinner, drinks) to allow networking of the participants. The workshop will also include the visit of an industrial site whose activities are in line with the scope of the planned partnership (duration 1/2 day).

A **provisional agenda** for the two days is given in the table below:

	Meeting and objectives	Participants and attendance
Day 1 Morning	SUNER-C consortium meeting	SUNER-C consortium and International Advisory Board (IAB) members Expected attendance: around 50 attendees
Day 1 Lunch	Lunch	
Day 1, afternoon	Workshop for industrial stakeholders about a LSRI (Part 1) with talks, working sessions and round tables	- SUNER-C consortium and International Advisory Board (IAB) members
Day 1	Social event (dinner or cocktail)	



Evening		
Day 2 Morning	Workshop for industrial stakeholders about a LSRI (Part 2) with talks, working sessions and round tables	<ul style="list-style-type: none"> - Invited representative from industrial stakeholders to a European partnership - Members of the European Commission - Representatives of Member States - Representatives of other European and National networks related to the scope of the partnership Expected attendance: around 50 to 100 attendees
Day 2 Lunch	Lunch	
Day 2, afternoon	Visit of an industrial site from a SUNER-C partner with facilities related to the scope of the partnership	Attendees of the workshop for industrial stakeholders about a LSRI Expected attendance: around 50 attendees

A more detailed agenda is under construction and will be discussed with the consortium partners. In particular, the total duration will be carefully chosen to ensure maximum participation of targeted stakeholders.

The workshop will be organized together with SUNER-C WP4 "*Innovation and exploitation*"

2.2. Possible locations and dates

Currently, two sites are currently are identified for the meeting:

- The first option is in Ghent (Belgium) with the meeting at Ghent University or in another meeting facility in the city (depending on the availability of meeting rooms) coupled to a visit of the Arcelor Mittal Steelanol plant North of Ghent¹;
- The second option is in the Grenoble-Lyon area (France) with the meetings at Vicat² main site at L'Isle d'Abeau (Isère) followed by a visit of the CCU facilities at the Vicat cement plant in Montalieu-Vercieu.

The exact location is not yet decided between those two options but the Ghent option has the advantage of a close connection with Brussels

Regarding the date for the workshop, the original plan was to organize the workshop at M18, i.e. in November 2023. Nevertheless, it has been decided within the consortium to delay it around M24, i.e. around June 2024. This is in order to align with the timeline of the discussion on the strategic plan of Horizon Europe and the new European partnerships. The list of new European partnerships for the

¹ **Steelanol** : <http://www.steelanol.eu/en>

² **Vicat** : <https://www.vicat.fr/>



second phase of Horizon Europe 2025-2027 is currently under discussion and the decision will be taken end of 2023-early 2024. The proposition of a co-programmed public-private partnership on “Sustainable fuels as energy carriers” that emerged from the SUNER-C consortium (see Deliverable D7.1) is currently under discussion. It therefore seemed wiser to postpone the workshop in order to have a clear vision of the perspectives for this partnership in order to adjust the content of the agenda to maximize impact with perspectives.

2.3. Next steps:

Here a tentative timeline for the organization of the workshop

- **October-November 2023:** setting an organizing committee for the workshop – Identifying possible locations and meeting facilities and their availabilities for the workshop – Reaching out to SUNER-C industrial consortium members to identify an industrial site to visit.
- **December 2023 – January 2024:** choosing the location and the dates for the workshop.
- **February – May 2024:** practical organization of the workshop with detailed agenda and speakers, inviting targeted attendees, communication actions;
- **June or July 2024:** workshop.





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