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Bio-MeGaFuel

## Bio Methanol Production via Chemical Looping Gasification Coupled with Membrane Reactors

HORIZON EUROPE GRANT AGREEMENT NUMBER: 101147737

Start date of project: 01/09/2024

Duration: 4 years

# WP5 – Exploitation, Dissemination and Communication

## D5.9 Dissemination and Communication Plan Update 1

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Prepared by:  
1CUBE

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V02	26-08-2025	Feedback on the content	RISE	A. Soleimani Salim
V03	28-08-2025	Revised version	1CUBE	K. C. Chan
V04	29-08-2025	Final version	RISE	A. Soleimani Salim

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### Dissemination Level

PU	Public	X
SEN	Sensitive, limited under the conditions of the Grant Agreement	



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**WP5**  
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and Communication  
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Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-  
M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page N°: 2 of 15

## Content

<b>1. Executive summary</b> .....	<b>3</b>
<b>1.1. Description of the deliverable content and purpose</b> .....	<b>3</b>
<b>2. Strategies and activities</b> .....	<b>4</b>
<b>3. Dissemination activities</b> .....	<b>4</b>
<b>4. Communication activities</b> .....	<b>5</b>
<b>5. Dissemination and Communication activities updated M12</b> .....	<b>5</b>
<b>6. Dissemination and communication follow-up</b> .....	<b>12</b>
<b>7. Conclusion</b> .....	<b>15</b>



## 1. Executive summary

### 1.1. Description of the deliverable content and purpose

This document is an update of Deliverable D5.9 of the Bio-MeGaFuel project's dissemination and communication plan. It lays out a detailed roadmap for all communication and outreach efforts to be implemented throughout the project, specifying possible actions and initiatives.

As such large part is similar to the previous deliverable, while some updates have been added towards the end of the document.

The plan sets well-defined goals for both communication and dissemination, along with identifying target audiences and the most effective channels to engage them. As a key deliverable, it completes Task 5.9, "Dissemination of the Dissemination Plan," within Work Package 5, "Exploitation, Dissemination and Communication" which is led by 1CUBE with input from all partners.

The communication channels and goals have been carefully chosen to reach Bio-MeGaFuel's diverse audience groups, including public and private organizations, policymakers, other Horizon Europe projects, the scientific community, industry stakeholders, investors, and the public.

The Dissemination and Communication Plan will form a basis where all partners will work regarding the outreach and dissemination and will be revisited to monitor the project outreach.

It will be subject to revision to fine-tune the objectives with results and include potential new communication tools. It will address the following:

- *Definition of target groups and stakeholders*: the dissemination and communication strategy will define how each of the outcomes of the project is of interest to each target group and stakeholder
- *Establishment of the communication objectives and the strategies for overall communications*: definition of the platforms and tools to be used, as well as the role of each partner, e.g., embedded dissemination of the project's outcomes in the partners' websites and newsletters, and in their social media initiatives.
- *Exploitation of the results strategy*: exploring the strategies for exploitation of the results of the project in such a way that the methanol, transportation and energy markets/sectors, and the scientific community benefit from it (i.e., events, conferences, papers, journals).
- *List of events, conferences and fairs* where partners can represent the project.
- *Calendar of dissemination and communication activities*: timelines will be developed in order to ensure the planning of each activity and that regular communications of the project are maintained and developed.

This updated communication plan also revisits the project's communication goals, the channels to be used, and the specific target audiences. The selection of communication channels and objectives was made with careful consideration of the project's diverse stakeholders, which include public and private institutions, policymakers, Horizon Europe projects, the scientific community, industrial partners, investors, and the general public.

The document further outlines distinct phases and a clear timeline designed to ensure comprehensive outreach to all target audiences through a structured and strategic communication approach.



## 2. Strategies and activities

This document outlines the strategies and specific activities required for successful dissemination and communication of project results under Work Package 5 (WP5). The ongoing development and updating of the Dissemination and Communication Plan are essential to ensuring that Bio-MeGaFuel project's impact and results are widely recognized.

The activities outlined here aim to inform, engage, raise awareness, and promote the project's purpose, funding sources, and outcomes. Effective dissemination hinges on establishing robust communication channels, recognizing key stakeholders, and delivering content in the most suitable formats.

These activities will continue throughout the project's 48-month timeline, with regular revisions to adapt objectives as new project results emerge.

## 3. Dissemination activities

Dissemination activities will be tailored to raise awareness of Bio-MeGaFuel results among various target groups. While some activities will reach multiple groups, others will be specifically targeted. The Bio-MeGaFuel project also has set goals for its dissemination efforts. The dissemination activities are reported in Table 1.

**Table 1. Main dissemination activities for the project.**

<b>MEANS/CHANNELS</b>	<b>Objective, target and quantifiable indicators</b>
Project technical e-publication	<p>A project e-publication will be produced during the second phase of the project (in the last year) in order to present relevant results in the form of data and observations from the validation sites and from Business simulation activities, thus giving comprehensive evidence of the advantages of the developed enabling technologies and of the concept as a whole.</p> <ul style="list-style-type: none"> <li>• Technical project e-publication downloads: &lt;25 = poor; 25-50 = good; &gt;50 = excellent</li> </ul>
Scientific/technical publications and oral/poster presentations at conferences, symposia, seminars, workshops, etc.	<p>The project's results will be published in the international scientific/technical literature, such as the Chemical Engineering Journal, <a href="#">ACS Sustainable Chemistry &amp; Engineering Journal</a>, Renewable Energy, AIChE Journal, Fuel, as well as in relevant scientific/technical literature at the national level mainly in the member states where the partners are established. Results will also be presented either through oral or poster presentations at relevant conferences, symposia, seminars, workshops, and other events, such as European Biomass Conference &amp; Exhibition, International Methanol Vehicle and Fuel Applications Conference, Energy Conference, European Conference on Catalysis, AIChE Annual Meeting, ACHEMA, EUBCE. The project will furthermore promote its results at the national level in the various Member States of the partners. The highest impact open access journals within the relevant sector will be identified.</p> <ul style="list-style-type: none"> <li>• At least 8 papers will be published on the Open Research Europe OA platform.</li> <li>• All publications will be collected in a dedicated space within the project website for open access/download. Open Access to peer-reviewed scientific publications will be provided.</li> <li>• Number of published papers: &lt;6 = poor, 6-10 = good, &gt;10 = excellent</li> </ul>

Education sessions	Education sessions integrating the knowledge developed within the project will be offered at local as well as international levels to students (undergraduate and postgraduate) <ul style="list-style-type: none"> <li>• At least 3 seminars/workshops during the project</li> <li>• A winter school on membranes and membrane reactors</li> </ul>
Liaison with EU communities	The consortium will seek liaison with the most relevant EU communities on Bio-MeGaFuel topics, including the relevant EU Technology Platforms (ETPs) such as ACARE and ETIP Bioenergy
Liaison / collaboration with relevant projects	The consortium will seek liaison and collaboration with other bioenergy and catalyst HEU projects that could complement project activities and provide synergies, also to effectively disseminate project results

#### 4. Communication activities

As for the dissemination activities, also communication activities are also designed for different target audiences. The main activities and channels are reported in the table below, while examples of tools used so far are reported in Table 2.

**Table 2. Communication activities of the project**

Target audience	Main activities and channels
<b>ALL</b>	<ul style="list-style-type: none"> <li>- A dedicated, user- and mobile-friendly website. The open part of the website is used for both communication and dissemination of results. Public deliverables can be downloaded from the website;</li> <li>- Strong project identity, including the logo, branding style and templates (PowerPoint, Word) for all internal and external communication materials;</li> <li>- Proactive use of social media networks (YouTube, X, and Instagram of 1CUBE channels and a dedicated Bio-MeGaFuel LinkedIn page) for distributing content and enlarging Bio-MeGaFuel community;</li> <li>- 1 video presenting Bio-MeGaFuel objectives and results. Also, videos of KERs will be available on YouTube;</li> <li>- Participation in events (physical and/or online), including the distribution of leaflets and positioning a poster, roll-up.</li> <li>- Non-scientific articles, interviews in sector journals</li> </ul>
<b>Academia&amp;Industry</b>	Newsletters about the progress of the activities and achievements, news updates, events, etc.
<b>Society&amp;Media</b>	Bio-MeGaFuel press releases: dedicated press releases to a network of journalists in Europe who are active in biofuels, bioenergy and catalyst, membrane reactors, and alternative energy. Non-scientific articles and open days/lectures at schools/trainings

#### 5. Dissemination and Communication activities updated M12

The communication strategy of Bio-MeGaFuel will be adapted to the main target groups and stakeholders listed in Table 2 to ensure that the relevant progress of the project is properly communicated.

Actions will be designed and shaped accordingly, using different channels of communication (website, events, leaflets, newsletters, social media, video, webinars, etc.).

The dissemination and communication activities started already in first month of the project with the creation and realization of the website, (<https://www.biomegafuelproject.eu/>). (see Figure ).

- The open part of the website is used for both communication and dissemination of results. Public deliverables can be downloaded from the website. Public website is already available and the deliverable about it is also submitted (see D5.6 “Public Project Website”)



#### Last News



#### At the FBC25, China

Our partner CSIC, represented by Francisco Garcia Labiano, actively contributed to two major events at the 25th International Conference on Fluidized Bed Conversion (April 6-10, 2025, Nanjing, China). Both centred around the Bio-MeGaFuel project. Francisco delivered a plenary lecture titled “Exploring Fluidized-Bed Reactor Designs in Chemical Looping Systems”, showcasing how innovative reactor configurations can...



#### Bio-MeGaFuel 1st video

The Bio-MeGaFuel project, officially launched on September 1, 2024, has released its inaugural video, marking a significant milestone in its mission to revolutionize sustainable fuel production. This video offers an in-depth look into the project’s objectives, methodologies, and the collaborative efforts of its diverse consortium.

**Figure 1. Screenshot of the project website**

- As 1CUBE already wrote in the deliverable *D5.5 “Project logo and set of public document templates”* a specific and represented logo has been created for the Bio-MeGaFuel project with coherent templates and presentations for the communication activities.
- Moreover, the first Press Release about the Bio-MeGaFuel project has been spread out in different social channels and as internal news of some partners involved in the project.

Figure represents a screenshot of the first Press Release for the project.

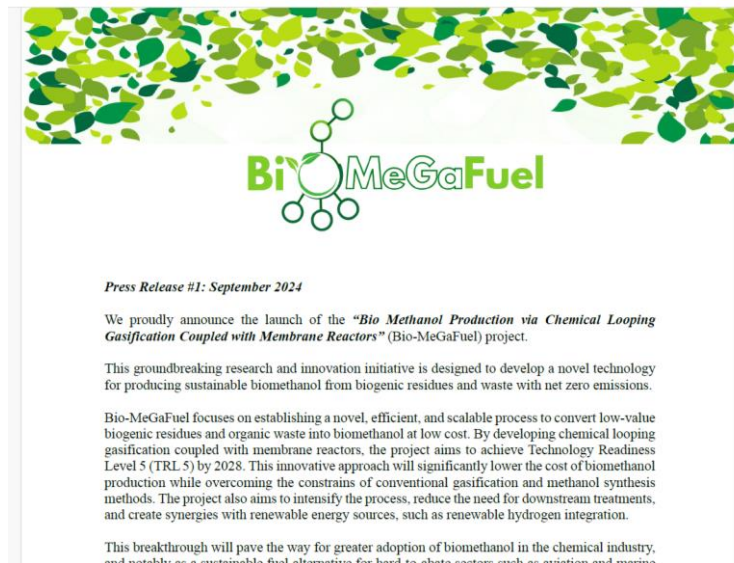


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**WP5**  
**D5.9 Dissemination and Communication**  
**Plan Update 1**

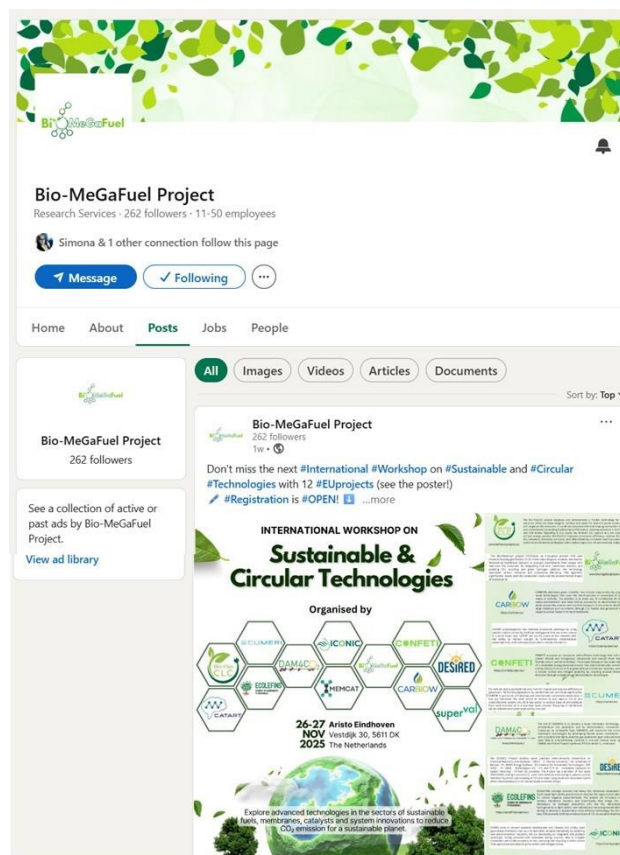
Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page No: 7 of 15



**Figure 2. Screenshot of the press release 1**

- Proactive use of social media networks (LinkedIn, YouTube, Instagram, etc.) for distributing content and enlarging Bio- MeGaFuel community.

Figure 3. is a screenshot of the LinkedIn page of Bio-FlexCLC (<https://www.linkedin.com/company/bio-flexclc/>)



**Figure 3. Screenshot of the LinkedIn page**



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**WP5**  
**D5.9 Dissemination  
and Communication  
Plan Update 1**

Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-  
M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page N°: 8 of 15

The steady growth in audience engagement on both the project website and LinkedIn page reflects increasing interest and awareness of the Bio-MeGaFuel project. This upward trend in visibility is a strong indicator that the project's communication and dissemination efforts are effectively reaching a broader audience. The expanding online presence not only enhances the project's credibility and recognition within the scientific and industrial communities but also signals a positive reception among stakeholders and the general public.

- A project video has been successfully produced and published across multiple platforms, including the Bio-MeGaFuel project website, project LinkedIn page, and 1 Cube YouTube channel. This professionally crafted video, developed by 1CUBE with valuable contributions from all project partners, serves as a compelling communication tool to introduce the Bio-MeGaFuel project to a broad audience. Figure 4. Shows the screenshot of the project video online.

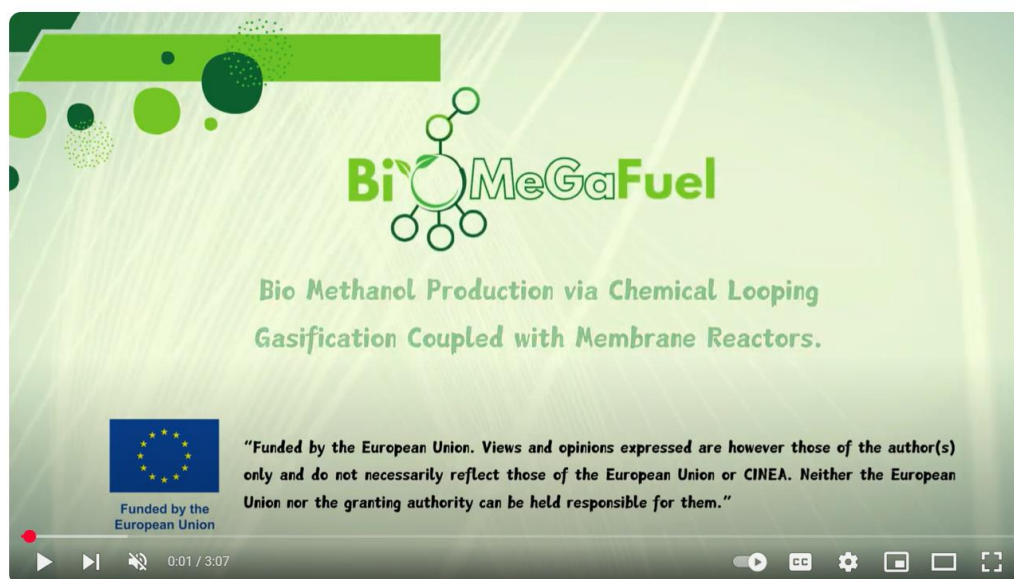
The video effectively presents the project's background, main objectives, key targets, and anticipated outcomes in a clear and engaging format. It is designed to raise public awareness and provide an accessible overview of the project's vision and relevance, especially for non-specialist audiences. By combining visual storytelling with concise messaging, the video strengthens the project's outreach and helps communicate its value to stakeholders, collaborators, and the general public alike.

Links:

Project website: <https://www.biomegafuelproject.eu/dissemination/>

LinkedIn: [https://www.linkedin.com/posts/bio-megafuel-project\\_bio-methanol-chemical-activity-7301198355752210432-0adD?utm\\_source=social\\_share\\_send&utm\\_medium=member\\_desktop\\_web&rcm=ACoAAAI9g\\_wB4uEWTFXPfEftujbPqbf\\_KR0k\\_s](https://www.linkedin.com/posts/bio-megafuel-project_bio-methanol-chemical-activity-7301198355752210432-0adD?utm_source=social_share_send&utm_medium=member_desktop_web&rcm=ACoAAAI9g_wB4uEWTFXPfEftujbPqbf_KR0k_s)

1Cube youtube channel: <https://youtu.be/FYpfOQO4h8w?feature=shared>



**Figure 4. Screenshot of the project video online**



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**WP5**  
**D5.9 Dissemination and Communication**  
**Plan Update 1**

Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page No: 9 of 15

- A comprehensive set of media materials has been developed to support the dissemination and communication activities of the Bio-MeGaFuel project, see Figure 5. These materials include brochures, a public-facing poster, a general presentation, and a roll-up banner—each designed to clearly communicate the project’s objectives, relevance, and benefits. A consistent visual identity has been applied across all materials, including the use of the official project logo and standardized templates. This unified branding approach enhances the visibility and recognizability of the project, effectively promoting its core values and ensuring that key messages are conveyed clearly and professionally to diverse audiences.



Figure 5. Set of media materials (clockwise, roll-up, poster, brochure, public presentation)



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**D5.9 Dissemination**  
**and Communication**  
**Plan Update 1**

Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-  
M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page Nº: 10 of 15

- Partners participate in promoting the Bio-MeGaFuel project proactively. Bio-MeGaFuel Project is featured in the latest issue of the *Boletín del Grupo Español del Carbón*, ISSN 2172, 6094, no.76, June 2025. Thanks to our partner CSIC, the article explores how Bio-MeGaFuel is driving innovation in sustainable biofuels and contributing to the future of cleaner energy. Figure 6 shows the outlook of the article for the general public.



Figure 6. Outlook of the article

- 27th – 28th January 2025, the 2nd Edition of Winter School on “Membrane and Membrane Reactors” was jointly organised by 3 EU projects. Bio-MeGaFuel project roll-up was presented to promote among 50 professionals and researchers across Europe. <https://www.biomegafuelproject.eu/at-the-winter-school-2nd-edition-in-eindhoven-nl/>



Figure 7. Roll-up in Winter School 2025



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**WP5**  
**D5.9 Dissemination**  
**and Communication**  
**Plan Update 1**

Proj. Ref.: Bio-MeGaFuel-101147377  
Doc. Ref.: Bio-MeGaFuel-WP5-D5.9-  
M12-DLR-1CUBE-29082025-V05  
Date: 29/08/2025  
Page N°: 11 of 15

- Also, partners have actively contributed to disseminating the value and objectives of the Bio-MeGaFuel project by participating in various scientific and industry conferences, as well as relevant workshops. These events provide vital platforms to share project results, exchange knowledge, and engage with key stakeholders from academia, industry, and policymaking bodies.

Presentations and dedicated sessions are being delivered at major conferences to highlight the project's innovations, research findings, and potential applications. In addition to these engagements, the consortium will organize and participate in workshops aimed at fostering in-depth discussions, encouraging feedback, and promoting collaboration in the future. These interactive sessions are designed to facilitate the transfer of knowledge, stimulate new ideas, and ensure that the insights gained from the project are widely disseminated across relevant communities. So far, the partners presented the Bio-MeGaFuel project in the following events:

- o 6th – 10th April 2025, Garcia Francisco (from CSIC Innovación) presented at the 25th International Conference on Fluidized Bed Conversion (FBC25), in Nanjing, China; <https://www.biomegafuelproject.eu/at-the-fbc25-china/>



- o On April 11<sup>th</sup>, 2025, Garcia Francisco (from CSIC Innovación) also took part with a plenary lecture in a workshop on “Exploring Fluidized-Bed Reactor Designs in Chemical Looping Systems”, in Huazhong University of Science and Technology, China.

By maintaining a strong presence at these events, the Bio-MeGaFuel project strengthens its visibility, expands its network, and reinforces its impact across multiple sectors.

## 6. Dissemination and communication follow-up

In the coming months, a series of high-impact dissemination and communication activities are planned to further expand the outreach and visibility of the Bio-MeGaFuel project. These will include participation in international conferences, specialized workshops, and winter schools. Project partners will play active roles in these events through various formats such as poster presentations, PowerPoint sessions, online technology forums, and virtual interviews. These engagements are designed to share project developments, foster dialogue, and strengthen connections with both scientific and industrial communities. Below is a summary of the D&C plan from the coordinators and the project partners,

- We are preparing to launch a regular newsletter that will provide updates on project progress, recent achievements, upcoming events, and other relevant news. This newsletter will serve as an essential tool to keep stakeholders informed and engaged throughout the duration of the project. It will be launched in the autumn of 2025.



Figure 8. First 2-page of the newsletter layout

- The Technology forum that fosters dialogues between academia and industry partners is open to the public, to be held online on September 24<sup>th</sup>, 2025.



Figure 9. Poster of the Technology Forum hosted by 1CUBE

- [International Conference on Sustainable Energy and Process Technologies](#) (SepTech conference), to be held in the city center of Eindhoven, the Netherlands, on October 21-23, 2025. This event targets to attract 120 – 200 talents in academia, RTOs and industrial partners across Europe. Partners from Bio-MeGaFuel project will be presented.

Tuesday 21 <sup>st</sup> October		Wednesday 22 <sup>nd</sup> October	
8:00 - 8:40 Registration		8:30 - 9:00 Registration	
8:40 - 9:00 Start Conference: -Greetings from Chairman -Greetings from Rijkswaterstaat: Miriam Frosi		9:00 - 10:00 PLENARY 2- Prof. Enrico Tronconi	
9:00 - 10:00 PLENARY 1- Prof. Hans Kuipers		10:00 - 10:30 COFFEE & POSTERS	
10:00 - 10:30 COFFEE & POSTERS		10:00 - 10:30 COFFEE & POSTERS	
<b>Session 01 Novel Conversion Systems</b> <b>Keynote 01: Vincenzo Baglio</b> <i>Hydrogen production using anion exchange membrane water electrolysis based on poly(amide) membrane with (cross-linked) ammonium functionality</i> <b>Presentation 01: Eugenio Meloni</b> <i>Coupling of high selective and stable catalysts with Pd membranes for PDP process intensification</i> <b>Presentation 02: Isabel Pazmino-Mayorga</b> <i>From Vapor to Biomethane: The Chemical Looping Reforming route</i> <b>Presentation 03: Negar Amani Tehrani</b> <i>Clay acid coating of magnetic nanoparticles in a membrane or immobilization process</i> <b>Presentation 04: Andrea Pastorino</b> <i>Catalytic Pyrolysis of a Commercial Waste Polymeric Mix in a Lab-scale Plant</i>		<b>Session 02 Inorganic Membranes and Membrane Reactors</b> <b>Keynotes 02: Sergio Santoro</b> <i>Advancements in Carbon-Based Membrane Development: From Design to Application</i> <b>Presentation 05: Alberto Zambon</b> <i>In-situ permeation studies of multichannel carbon membranes</i> <b>Presentation 06: Clara Colana</b> <i>From Vapor to Biomethane: The Chemical Looping Reforming route</i> <b>Presentation 07: Beril Korkmaz Erdural</b> <i>Membrane Scale Up for Chemical Industries</i> <b>Presentation 08: Michele Ongis</b> <i>Pure hydrogen recovery using Pd-based membranes: industrial perspective</i>	
10:30 - 12:20		10:30 - 12:20	
<b>Session 03 Novel Conversion Systems</b> <b>Keynote 03: Marija Saric</b> <i>Separation enhanced processes to increase energy efficiency in NH<sub>3</sub> value chain</i> <b>Presentation 09: Valentina Cecchetto</b> <i>Design of a CH<sub>4</sub>-based membrane reactor system for ammonia decomposition (AMDEAD project)</i> <b>Presentation 10: Iolanda Gargiulo</b> <i>A novel CH<sub>4</sub>-based membrane reactor for ammonia synthesis integrating PDCS: a proof-of-concept</i> <b>Presentation 11: Carlo Tregambe</b> <i>From Concept to Integration: Hydrogen Production from Biogas using a Partial Oxidation Reactor Membrane Reactor</i> <b>Presentation 12: Claudia Andrea Revilla Pacheco</b> <i>Development of water-vapor selective CH<sub>4</sub> for CO<sub>2</sub> valorisation using membrane reactor</i>		<b>Session 04 Reactor Modeling and Numerical Simulation</b> <b>Keynotes 04: Maltheus Strobel</b> <i>Dynamic column breakthrough analysis for prospective ammonia-based solid sorbents in direct air capture (DAC) applications under non-steady-state operation</i> <b>Presentation 13: Weiran Zhang</b> <i>Numerical simulation of nano- and micro- double capture efficiency in random fiber structures</i> <b>Presentation 14: Edoardo Nicolucci</b> <i>Modeling and Optimization of Dual Fluidized Bed Gasification: CFD Simulations and Thermodynamic Insights for Enhanced Syngas Production</i> <b>Presentation 15: Michel Speelkens</b> <i>Compact models for scalar transport in recirculated flows</i>	
12:20 - 13:30 LUNCH		12:20 - 13:30 LUNCH	
13:30 - 15:20		13:30 - 15:20	
<b>Session 05 Novel Conversion Systems</b> <b>Keynote 05: Antonio Comite</b> <i>Preliminary study of catalysis for the Partial Oxidation of Methane (POM) for application in catalytic membrane reactors</i> <b>Presentation 16: Aima Capa Tamargo</b> <i>Optimization and pilot scale results of Sorption-enhanced DME synthesis (SEDMCS) technology</i> <b>Presentation 17: Adam Zaidi</b> <i>Pathways to enhance the CO capture, stability and scalability of Pd/Pd-impregnated porous for hydrogen production</i> <b>Presentation 18: Gaetano Anello</b> <i>Design and engineering of sorbents for green ammonia synthesis under mild conditions</i>		<b>Session 06 Reactor Modeling and Numerical Simulation</b> <b>Keynotes 06: Douwe Orji</b> <i>Simulating Bubble Dynamics in Alkaline Water Electrolysis reactors</i> <b>Presentation 19: Sher Amad</b> <i>Novel network based molecular dynamic simulations for anion transport in solid oxide electrolysis cell materials</i> <b>Presentation 20: Giuseppe Andriani</b> <i>Stability-driven analysis of methanol reactors</i>	
15:20 - 16:00 COFFEE & POSTERS		15:20 - 16:00 COFFEE & POSTERS	
16:00 - 17:30		16:00 - 17:30	
<b>Session 07 Novel Conversion Systems</b> <b>Keynote 07: Amir H. Soleimani Salim</b> <i>Bi-Methanol Production via Chemical Looping Gasification Coupled with Membrane Reactors (Bio-Methanol)</i> <b>Presentation 21: Angela Mary Thomas</b> <i>Advanced Process Intensification: Integration of Catalytic Membrane Reactors (APRIDE)</i> <b>Presentation 22: Jaione Otto</b> <i>Ammonia-based membrane reactor for green hydrogen (AMBERA)</i> <b>Presentation 23: Amir H. Soleimani Salim</b> <i>Flexible chemical looping combustion for combined heat and power production from biogenic residues with negative emissions (Bio-FLC-CC)</i> <b>Presentation 24: Angela Mary Thomas</b> <i>Ammonia and MOF Based Hydrogen storage for Europe (AMBERE)</i>		<b>Session 08 Separation Technologies</b> <b>Keynotes 08: Kian Karmin</b> <i>Optimal process design for CH<sub>4</sub> conversion from alcohol sources</i> <b>Presentation 25: Andrea Randon</b> <i>Evaporative Systems using polymeric-based flat sheet membrane modules: Experimental and Dynamic performance analysis</i> <b>Presentation 26: Giulia De Felice</b> <i>Development of modified sorbents for methane separation from alcohol</i> <b>Presentation 27: Mohammad Younas</b> <i>Bi-based Functional Membranes in Mixed Matrix Composite Membranes</i> <b>Presentation 28: Marco Aquino</b> <i>Study of the performance in Air Gap Membrane Distillation of hydrophilic PVP membranes prepared via co-solvent dip coating</i>	
17:30 - 18:00 COFFEE & POSTERS		17:30 - 18:00 COFFEE & POSTERS	
18:00 - 19:30		18:00 - 19:30	
<b>Session 08 Novel Conversion Systems</b> <b>Keynote 08: Marija Saric</b> <i>Separation enhanced processes to increase energy efficiency in NH<sub>3</sub> value chain</i> <b>Presentation 29: Valentina Cecchetto</b> <i>Design of a CH<sub>4</sub>-based membrane reactor system for ammonia decomposition (AMDEAD project)</i> <b>Presentation 30: Iolanda Gargiulo</b> <i>A novel CH<sub>4</sub>-based membrane reactor for ammonia synthesis integrating PDCS: a proof-of-concept</i> <b>Presentation 31: Carlo Tregambe</b> <i>From Concept to Integration: Hydrogen Production from Biogas using a Partial Oxidation Reactor Membrane Reactor</i> <b>Presentation 32: Claudia Andrea Revilla Pacheco</b> <i>Development of water-vapor selective CH<sub>4</sub> for CO<sub>2</sub> valorisation using membrane reactor</i>		<b>Session 09 Electrification of Process Industry</b> <b>Keynotes 09: Annemie Bogarits</b> <i>Fluoro-chemistry for absorption of chemical reactions</i> <b>Presentation 33: Liangyuan Wei</b> <i>Efficient reduction heating for reverse water-gas shift reaction with bulk ion membrane</i> <b>Presentation 34: Olga Muccilli</b> <i>Microscale-sustainable structured catalysts for highly selective dehydrogenation of propane to propylene</i>	
19:30 - 21:30 SOCIAL EVENT & SOCIAL DINNER		19:30 - 21:30 SOCIAL EVENT & SOCIAL DINNER	

Figure 9. Poster of the Technology Forum hosted by 1CUBE

- Bio-MeGafuel project has been selected, as one of 15 Horizon Europe-funded to go to the European Commission stand at [Ecomondo](#) and showcase its achievements. Ecomondo is the leading annual event for the green and circular economy, bringing together industrial groups, stakeholders, policymakers, opinion leaders, local authorities, research institutions, and other key players. It serves as a platform to shape strategies that drive the development of EU environmental policy. This year's edition will take place from 4 to 7 November at the Rimini Expo Centre in Italy and, as in previous years, is expected to attract over 100,000 visitors.
- Bio-MeGaFuel will jointly organize an international workshop with 12 EU projects, to be held in Eindhoven, the Netherlands on November 26-27, 2025. This event targets to attract 120 – 200 talents in academia, RTOs and industrial partners across Europe. Partners from Bio-MeGaFuel project will be presented in poster presentations and PowerPoint sessions. <https://www.biomegafuelproject.eu/events/>



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**WP5**  
**D5.9 Dissemination  
and Communication  
Plan Update 1**

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Page N°: 14 of 15



**Figure 10. Poster of the international workshop jointly organized by 12 projects**

- 1Cube plans to organize open days and educational lectures at schools to promote scientific awareness and inspire the next generation. These outreach activities are aimed at connecting with local communities, students, and educators to highlight the societal relevance and future potential of the Bio-MeGaFuel project.
- Bio-MeGaFuel and another EU Horizon project, MEMCAT, will co-host the 3rd Winter School on “Gasification and Membrane Reactor” on 27th – 28th Jan 2026 in Microlab, Eindhoven. This event is targeted to attract 50 -100 professionals and early researchers in Europe.
- Bio-MegaFuel and another EU Horizon projects, FLEXBY (<https://www.flexby.eu/>), reached a mutual agreement that we would collaborate on future dissemination and communication to have a broader impact for both projects.
- 27th May 2025, GIDARA Energy and 1Cube BV conducted an in-depth conversation about the Bio-MeGaFuel Project. Other than the aim and the project scheme, upcoming dissemination activities to promote the project's impact and progress are also thoroughly discussed. Some of the results will be published for the public e.g. public video or in the newsletters.



**Figure 11. Meeting with GIDARA Energy at their office on May 27<sup>th</sup>**

- Some of our partners are targeting to present at the upcoming conferences in 2026 to promote the Bio-MeGaFuel project. The potential conferences are:
  - XVII Reunión del Grupo Español del Carbón, organised by Spanish Coal Group (GEC) with the support of the partners of the Institute of Carbon Chemistry (ICB-CSIC), will be held in Zaragoza, Spain, from October 19 to 22, 2025.
  - The “4th International Conference on Negative CO<sub>2</sub> Emissions”, which will take place in 2026 in Laxenburg, near Vienna (Austria), and will be hosted by IIASA (International Institute for Applied Systems Analysis)
  - EUBCE European Biomass Conference & Exhibition 2026
  - 8th Chemical Looping Conference 2026, scheduled in Q3 2026
  - 18th Greenhouse Gas Control Technologies Conference (GHGT-18) taking place in Perth, Australia from 26-29 October 2026.

## 7. Conclusion

The communication and dissemination activities of the Bio-MeGaFuel project play a vital role in ensuring that the project’s objectives, progress, and outcomes are effectively shared with relevant stakeholders and the broader public. Through a structured strategy that combines traditional and digital communication tools, stakeholder engagement, and targeted outreach, the project is steadily building awareness, fostering collaboration, and amplifying its impact across scientific, industrial, and societal domains.

With the continued efforts of all partners, and the implementation of planned initiatives such as international events, newsletters, media outreach, and educational activities, Bio-MeGaFuel is well-positioned to achieve wide visibility and recognition. These efforts not only support the successful dissemination of knowledge but also contribute to the long-term exploitation and sustainability of the project’s results. As the project advances, communication will remain a cornerstone for connecting innovation with real-world application, ensuring lasting value and relevance beyond the project’s duration.