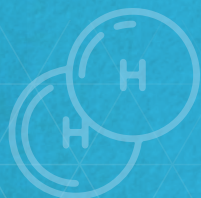


Annual Report 2024



Hydrogen Europe
Research



Hydrogen Europe
Research





Annual Report 2024

Hydrogen Europe Research

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November 2025

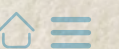
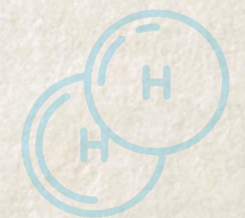


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1 Foreword from the President

As we look back on 2024, we see a year marked by progress, teamwork, and growing energy in the hydrogen sector. At Hydrogen Europe Research, we have continued to connect knowledge with policy, science with impact, and people with purpose - all guided by our commitment to building a climate-neutral Europe.



Luigi Crema
Hydrogen Europe Research President

Over the past twelve months, our community has remained at the heart of change. We strengthened our collaboration with the Clean Hydrogen Partnership, increased our role in EU-funded projects, and ensured that our Working Groups remained active spaces for knowledge exchange and strategic dialogue. Through events, conferences, and communications, we expanded our reach and highlighted research as a key part of the hydrogen economy.

None of this would have been possible without the dedication of our members. Their expertise, energy, and trust continue to drive our mission and help shape a strong and united research ecosystem.

As you turn the pages of this report, you will find an overview of our structure, activities, and achievements throughout 2024 - as well as a glimpse into what lies ahead. Looking forward, our priorities are clear: to foster innovation across sectors, to support the growth of skills and talent, and to ensure that research remains a driving force in Europe's hydrogen journey.

Let us step into the future with confidence, strengthened by what we have built together in 2024, and ready to meet the challenges - and opportunities - of tomorrow.



Our Mission and Vision

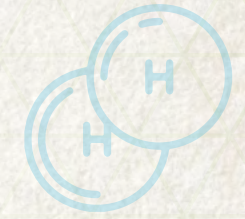
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Hydrogen Europe Research is an international non-profit association representing 159 universities and research and technology organisations (RTOs) from 30 countries across Europe and beyond. Our members are key contributors to the European hydrogen and fuel cell sector.

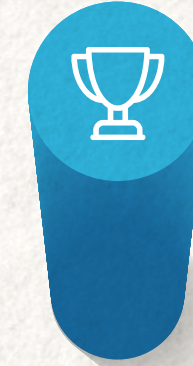
As a rapidly growing organisation, we have seen our membership and geographic reach double over the past 13 years!

We believe that bold and innovative research is essential across the entire hydrogen value chain. Our vision is to drive the development of advanced hydrogen technologies, paving the way for a fully integrated, sustainable, and decarbonized energy system.



Our mission is founded on four key pillars:

Championing excellence in European hydrogen and fuel cell research.



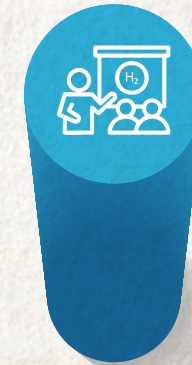
Encouraging the advancement of research and technology infrastructures to accelerate innovation and scale up development.



Ensuring sustainable development standards for a clean hydrogen ecosystem.



Advancing education and training to equip the European hydrogen economy with a highly skilled workforce.





General Assembly

The General Assembly serves as the association's highest decision-making body, responsible for setting its overall policy direction. It convenes at least twice a year and includes participation from all members.

In 2024, the General Assembly convened in June in Budapest, and in November in Brussels. Both events were hybrid and saw the participation of more than 150 people online and in person.

Executive Board

The Executive Board meets monthly to review and guide the association's operations. It consists of 10 elected representatives: the President, Vice-President and Treasurer, the Chair for External Affairs, and the seven Technical Committee (TC) Leaders overseeing the activities of their respective TCs within the Clean Hydrogen Partnership.

Board members are elected for a two-year term. In June 2024, during the General Assembly in Budapest, our members voted to elect the new Executive Board. We were pleased to announce the re-election of the following Board members:

Luigi Crema	Fondazione Bruno Kessler (IT) – <i>President</i>
Christian Sattler	German Aerospace Center – DLR (DE) - <i>Vice President & Treasurer</i>
Julie Mougín	Commissariat à l'énergie atomique et aux énergies alternatives – CEA, (FR) - <i>Hydrogen Production Technical Committee Leader</i>
Ekain Fernandez	Tecnalia (ES) - <i>Hydrogen Distribution Technical Committee Leader</i>
Steffen Møller-Holst	Sintef (NO) - <i>Transport Technical Committee Leader</i>
Viviana Cigolotti	ENEA (IT) - <i>Heat & Power and Industry Technical Committee Leader</i>
Ludwig Jörissen	Center for Solar Energy and Hydrogen Research Baden-Württemberg – ZSW (DE) - <i>Supply Chains Cross-Technical Committee Leader</i>
Guillermo Figueruelo	Aragon Hydrogen Foundation (ES) - <i>Hydrogen Valleys Cross-Technical Committee Leader</i>

We also warmly welcomed two newly elected Board members:

Javier Dufour	IMDEA Energy - <i>Cross-Cutting Technical Committee Leader</i>
Jakub Kupecki	Instytut Energetyki - Państwowy Instytut Badawczy - <i>as External Affairs Leader</i>

Members of the Executive Board in 2024



Luigi Crema
Fondazione Bruno Kessler (IT)
President



Christian Sattler
German Aerospace Center – DLR (DE)
Vice President & Treasurer



Jakub Kupecki
Instytut Energetyki - Państwowy Instytut Badawczy
as External Affairs Leader

Technical Committee Leaders



Julie Mougín
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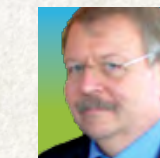
Steffen Møller-Holst
Sintef (NO)
Transport Technical Committee Leader



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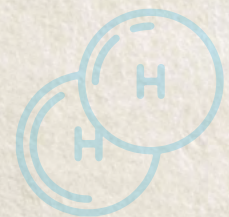
3 Our Structure

The Secretariat, composed of four employees, manages the association's daily operations under the supervision of the Executive Board.

- Kristin Schreyer** Project & Innovation Manager, joined Hydrogen Europe Research in March 2024.
- Güzel Imperiale** Administrative Assistant, became part of the Hydrogen Europe Research team in April 2024.
- Julia Cora** Our Project Manager since 2020, left the Association in November 2024. Her position will be filled at the beginning of 2025.

Secretariat

			
Louis Mazurkiewicz Innovation Manager	Kristin Schreyer Project & Innovation Manager	Simona Vitali Communications & Membership Manager	Güzel Imperiale Administrative Assistant





Our Members

4

We proudly represent the European hydrogen research community, bringing together 159 members from 30 countries. In October 2024, we welcomed our first member from Canada (Université du Québec à Trois-Rivières), marking an exciting milestone in our international growth.

UQTR



Université du Québec à Trois-Rivières

▼ In 2024, we welcomed ten new members into our community:



CRM Group



Fen Research



Koç University



Gdansk University of Technology



Poznan University of Technology



University of Nottingham



Eurecat



IIT – Istituto Italiano di Tecnologia



BRGM – French Geological Survey



Université du Québec à Trois-Rivières

In 2024, four member organisations resigned from the Association: Campus Sul, Sintef Ocean, ComUE Normandie, and Isinnova. However, with ten new members joining during the year, the overall balance of our community was maintained.





Our Partners

5

Collaboration with external partners is essential to our success, and we actively engage with a wide range of stakeholders. These partnerships are crucial in driving forward innovation, advancing research, and achieving our shared goals in the hydrogen sector.



Clean Hydrogen Partnership

The Clean Hydrogen Partnership, as per its legal name “Clean Hydrogen Joint Undertaking”, is a distinctive public-private partnership dedicated to supporting research and innovation (R&I) in hydrogen technologies across Europe.

The three members of the Joint Undertaking are the European Commission, the hydrogen industry, represented by Hydrogen Europe, and the research community, represented by Hydrogen Europe Research.



Hydrogen Europe

Hydrogen Europe is the European association representing the interest of the hydrogen industry and its stakeholders and promoting hydrogen as an enabler of a zero-emission society.

With more than 600 members, they aim to propel global carbon neutrality by accelerating the European hydrogen industry.



EURAMET - European Association of National Metrology Institutes

They coordinate the cooperation of National Metrology Institutes (NMI) and Designated Institutes (DIs) in Europe in fields such as research in metrology, traceability of measurements to the SI units, international recognition of national measurement standards and related Calibration and Measurement Capabilities (CMC). Through knowledge transfer and cooperation among their members, EURAMET facilitates the development of the national metrology infrastructures.

In March 2023, Hydrogen Europe Research and EURAMET signed a Memorandum of Understanding to harness the synergies between the hydrogen and metrology communities.

In September 2024, Hydrogen Europe Research, Hydrogen Europe and EURAMET organised a joint webinar for their members to present how the three associations collaborate as well as their activities in their respective Partnerships. Representatives of HE, HER and EURAMET highlighted the importance of measurements and further research on metrology, focusing on the hydrogen supply chain. Moreover, HE, HER and Euramet members identified common research topics of interest that would be submitted to their respective Partnerships (Metrology Partnership & Clean Hydrogen JU).





2024 Activities and Achievements

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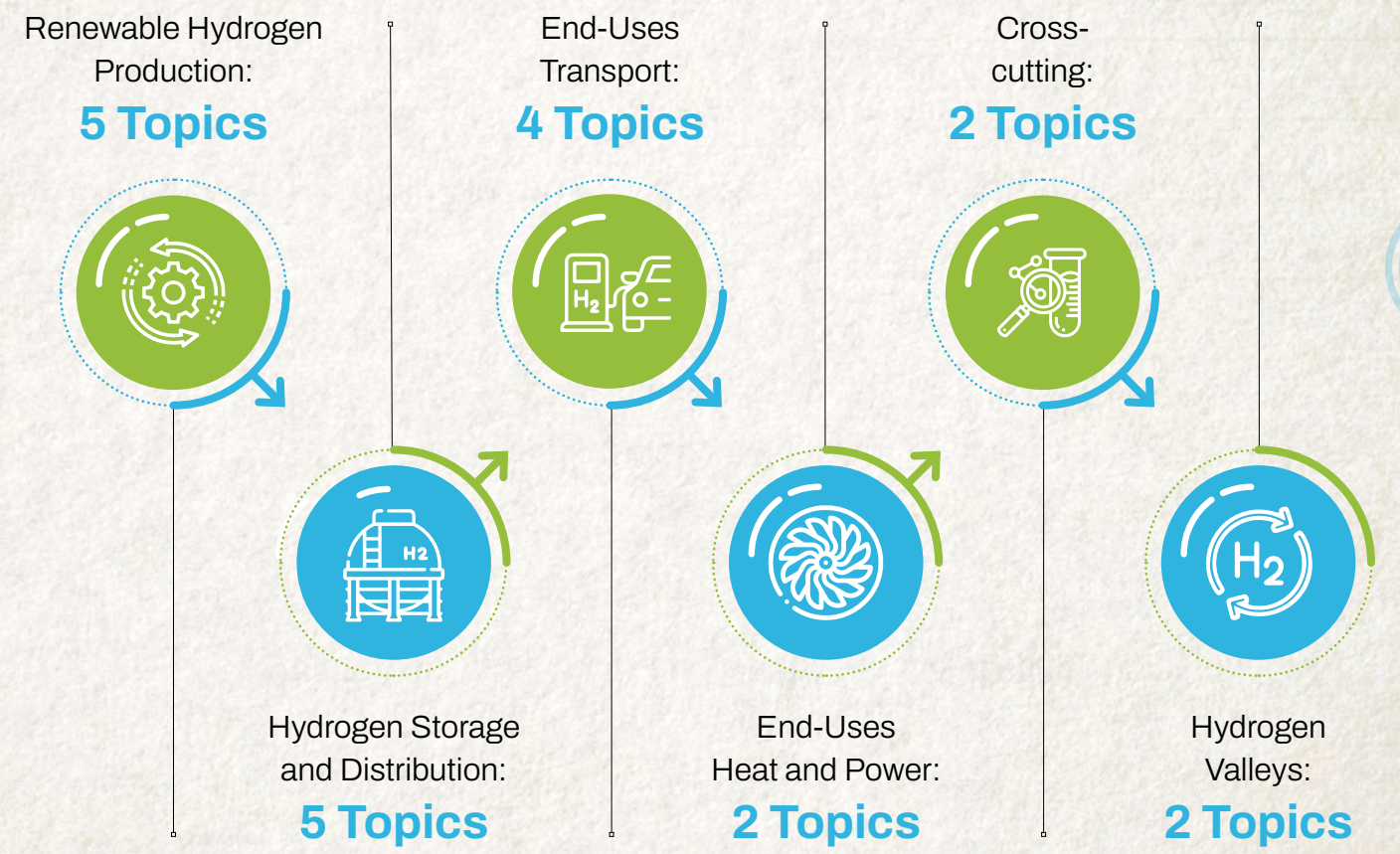
Clean Hydrogen Partnership

The year 2024 was a year of important developments for the Clean Hydrogen Partnership, continuing the achievements of the previous years and intensifying the efforts on Hydrogen Valleys.

As part of AWP 2024, the 2024 Call for proposals (HORIZON-JTI-CLEANH2-2024) was published on 17 January 2024, with an indicative budget of EUR 113.5 million. The deadline for the submission of proposals was 17/04/2024.



The Call included 20 topics, distributed among the areas of activity of the Clean Hydrogen JU and its SRIA as follows:



On 26 January 2024, a public European Info Day took place on-site in Brussels. Upon invitation by the local hydrogen stakeholders, several National Info Days dedicated to the call for proposals 2024, took place either physically or remotely in some EU27 Member States and associated countries to Horizon Europe, namely: in Poland on 29 January, in Turkey on 30 January, in France on 31 January, in the UK on 1 February, in Italy on 8 February, in Spain on 14 February.

6 2024 Activities and Achievements

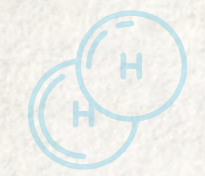
At the deadline, the 2024 Call for proposals received 132 proposals, with 122 proposals satisfying the eligibility and admissibility criteria.

The Clean Hydrogen Partnership invited, on 20 September 2024, the coordinators of the successful projects following Call HORIZON-JTI-CLEANH2-2024-1, for a day of presentations covering all the details on the preparation and signature of a grant agreement.

In parallel, Hydrogen Europe and Hydrogen Europe Research members jointly worked in developing the next Annual Work Plan 2025. This consisted in the identification of priorities for the upcoming year and subsequently the drafting of research and innovation topics that will ultimately be included in the next Call. This process covered the whole year, with multiple iterations and meetings with the European Commission and Programme Office of the Clean Hydrogen JU, under the supervision and coordination of the Hydrogen Europe and Hydrogen Europe Research Secretariats. Annual Work Plan 2025 was finalised at the end of the year and approved by the Governing Board of the Clean Hydrogen JU.

Furthermore, in 2024, the SRIA of the Clean Hydrogen JU was amended for the first time. This amendment was the result of the joint effort of the public and private members of the JU, under the coordination of the Programme Office. The revision of the Key Performance Indicators of the Strategic Research Agenda is ongoing and the second amendment of the SRIA, initiated in 2024, is expected to be completed in 2025.

Source: [Annual Activity Report Year 2024, Clean Hydrogen Partnership](#)



Hydrogen Valley Days: 17-18 June 2024

The EU Hydrogen Valley Days 2024 were co-organised by the Clean Hydrogen Partnership and the European Commission - DG Research and Innovation, and took place on 17-18 June 2024, at the Hotel, Brussels.



The event highlighted the successful work of the Clean Hydrogen Partnership with European regions and cities, including project development assistance and funding of 15 Hydrogen Valleys across Europe.

This groundwork preceded the launch by the European Commission of an EU roadmap for Hydrogen Valleys and set the stage for the development by the Partnership of a facility to help early-stage Hydrogen Valleys mature.

The agenda featured discussions with policy makers including local authorities as well as project developers, investors and industry suppliers looking at shaping up such local hydrogen ecosystems and thus implementing the strategic REPowerEU's objective of doubling the number of Hydrogen Valleys in the European Union by 2025.

European Hydrogen Week: 18-22 November 2024

The European Hydrogen Week was jointly organised under the umbrella of Hydrogen Europe, the Clean Hydrogen Partnership and the European Commission bringing together a comprehensive programme, including an



6 2024 Activities and Achievements

exhibition, a policy conference, an innovation forum, an EU projects pavilion and the B2B forum. More than 200 speakers discussed, debated, and devised solutions to the sector's greatest challenges across 25 panel sessions at the High-Level Policy Conference, the B2B Forum and the Innovation Forum over the four days.



The Innovation Forum (20-21 November 2024) complemented the High-Level Policy Conference with sessions on Research and Innovation covering the whole value chain, focusing on EU competitiveness, skills and Hydrogen Valleys and was attended by a large audience, mostly coming from the research and private community active in the hydrogen sector. During its

sessions, there were panels and presentations assessing the progress and achievements in the various pillars of the Clean Hydrogen programme including presentations of successful projects results and discussing ways forward and key issues concerning research and innovation in the clean hydrogen field.



6 2024 Activities and Achievements

European Projects

Green Skills for Hydrogen

The Green Skills for Hydrogen project is contributing to the development of a skilled workforce in Europe for the emerging hydrogen economy by addressing the skills gap and providing training to boost the industry. Over a period of four years, the project will contribute to achieving the REPowerEU2030 targets by expediting the upskilling and reskilling of students and workers throughout Europe.



The Consortium managing this initiative is led by the Karlsruhe Institute of Technology and has a total of 34 partners from 15 Member States of the European Union. These partners comprise six Work Packages (WP) that will jointly coordinate

the various activities and tasks to be carried out throughout the life of the project. Hydrogen Europe Research supports the Work Package 1, 2, 5.

 Hydrogen Europe Research will be allocated €102.515,00 for its contribution.

On 28-29 May 2024, the partners of Green Skills for Hydrogen met in Greece for the General Assembly of the project. The event was hosted by the Cluster of Bioeconomy and Environment of Western Macedonia (CLuBE), in Western Macedonia, between Kozani and Florina.



A company site visit was organized during the first day, at B&T composite premises, which manufactures innovative hydrogen storage solutions. During the work meeting, a hydrogen game was tested and enthusiastically received by attendees, interested in reiterating the experience in their classrooms.


European Hydrogen Observatory

The European Hydrogen Observatory (FCHO) is a platform providing data and up to date information about the hydrogen sector. Its objective is to address the lack of data publicly available at EU and national level concerning the uptake of fuel cell and hydrogen technologies on the EU market and the absence of a coordinated methodology on how to monitor their market evolution.



The Observatory was created for the use of policy makers, industry stakeholders and the general public equally, and is the main public

portal for European hydrogen data. Initiated under FCH 2 JU, as the Fuel Cells and Hydrogen Observatory, EHO continues its activity as of November 2021 under the support of the Clean Hydrogen Partnership.

 Hydrogen Europe Research is responsible for keeping the education and training material up to date; for this task, we are entitled to a remuneration of €5.500 per annual update, up to €22.000 in case of four requested updates.

Hyperion

HYPERION supports European regions in the complicated process of taking up advanced hydrogen solutions in various areas of their economic systems, as a move towards a smart and sustainable economic transition. A large and experienced group of partners participates in HYPERION to face this challenge through

6 2024 Activities and Achievements

interregional learning. The goal of the project is to identify barriers to local hydrogen uptake and share best practices within regions to enable favourable policy changes for hydrogen activities. The project will run for four years and will include multiple on-site visits in different regions.

Hydrogen Europe Research is taking part in this project as an advisory partner, providing expertise to the eight regions involved on European policies and hydrogen technologies.

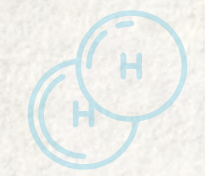
On 18-19 June 2024, the partners met in Florence for the kick-off of the HYPERION project. It was a chance for partners to share their main interests and regional strengths. This helped set a solid foundation for the work planned in the months and years ahead.

The second meeting of the HYPERION project took place on 5-6 November in the Marshal's Office of the Pomeranian Voivodeship in Gdańsk,

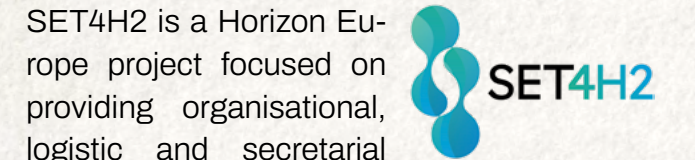


Poland. The first day was dedicated to the legal and financial aspects of hydrogen management, while the second day was focused on steering group meetings, reports and presentations on Interreg Europe good practices. As advisory partner, Hydrogen Europe Research gave a presentation on Hydrogen Valleys on day 1.

For the first semester of 2024 (April to September), the HYPERION project budget was allocated as follows: Interreg funds covered €14.284,61, while Hydrogen Europe Research contributed €6.121,98, bringing the total budget to €20.406,59.



SET4H2



SET4H2 is a Horizon Europe project focused on providing organisational, logistic and secretarial support to the newly formed Implementation Working Group (IWG) on hydrogen under the SET Plan. This includes refining the IWG's mission and identity, finalising the Implementation Plan (IP) and exploiting synergies with the activities of other SET Plan stakeholders and relevant European and international hydrogen initiatives. The activities of the IWG will cover research, development and innovation (R&D&I) support in hydrogen technologies along the entire value chain including cross-cutting issues. Hydrogen Europe Research is a partner in this project, providing expertise on hydrogen subjects and feedback on different deliverables.

In May 2024, the SET4H2 project partners met in person and online for a kick-off event in Dresden, Germany.



On 14-15 November 2024, the SETPlan conference 2024 took place in Budapest. 2024's theme, "Scaling up research, innovation and competitiveness in clean energy technologies", highlighted the need to reinforce the research and innovation landscape, to enhance competitiveness and sovereignty of clean energy technology value chains within the EU. Luigi Crema participated in a panel titled "Innovation with Hydrogen: Research, Policy, and Market Synergies" moderated by Tudor Constantinescu (DG ENER, European Commission), with Dr. Nadine May, Chair of the Temporary Working Group for Hydrogen, Valerie Bouillon-Delporte (Clean Hydrogen Partnership), and István Lepsény (Hungarian Hydrogen Technology Association).
Copyright SET4H2/DLR

In 2024, Hydrogen Europe Research received €17.625,00 from the SET4H2 project.

6 2024 Activities and Achievements

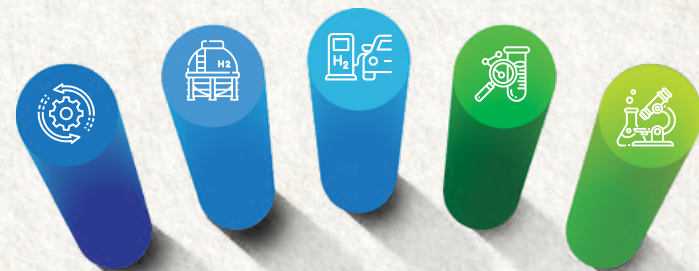
Low TRL Research Working Group

In 2024, the Low TRL Research Working Group has been dedicated to developing and refining the content of the Research Position Paper originally published by Hydrogen Europe Research in 2022, with valuable contributions from the broader membership and Board Members.



The primary aim of the position paper, titled “Advancing Hydrogen Technology: key research and innovation priorities”, is to highlight research activities, primarily focused on low TRL research, that deserve support from EU funding programs and the Clean Hydrogen Partnership, among other initiatives.

This paper sets out a strategic vision for advancing research and innovation in the hydrogen sector, structured around five key pillars:



Hydrogen Production



Hydrogen End-Uses



Hydrogen Storage, Transport, and Distribution



Transversal Activities



Research and Technology Infrastructures



Each pillar details critical areas of research essential for driving progress toward a clean energy transition and the decarbonization of society. This position paper serves as an important roadmap, guiding efforts and aligning priorities for future advancements in hydrogen research and technology.

The publication was shared during Hydrogen Week in Brussels (18–22 November 2024), and generated strong interest and positive feedback from members and external visitors.

Research and Technology Infrastructures Working Group

In January 2024, the Research and Technology Infrastructures Working Group was launched, with the aim of creating a forum for HER members to discuss activities on such infrastructures. An overarching objective will be to build on the

research activities and infrastructures mapping (available to members only) created with input from members.

An analysis (scale & type of infrastructures listed, location on the hydrogen value chain...) of the May version of the mapping was presented to the Working Group for discussion. The outcomes of the discussion complemented the analysis and were used to in preliminary discussions initiated with DG RTD on potential future activities on infrastructures.

Towards the end of the year, the Research & Technology Infrastructures Working Group supported the Low TRL Research Working Group on the development of the infrastructures section of the position paper elaborated in the latter.

6 2024 Activities and Achievements

Communications and Visibility

Monthly newsletter

In 2024, we continued the work started in July 2022 with our monthly newsletter, which features news and updates on our activities, as well as contributions shared by our members.

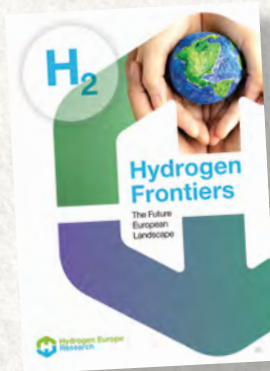


This initiative ensures regular communication and fosters a sense of community within Hydrogen Europe Research.

Hydrogen Frontiers: The Future European Landscape

“Hydrogen Frontiers: The Future EU Landscape” was a unique contest designed to showcase the innovative research activities and

advancements in the field of hydrogen carried out by Hydrogen Europe Research members. This contest invited members from Europe to submit their testimonials and success stories along with high-quality photographs capturing their work in hydrogen-related research.



The contest was structured into 4 categories: sustainability, value, future, and skills, and featured 7 stories.

The publication was distributed during the Hydrogen Week in Brussels (18-22 November 2024) and was very well received by participants and visitors.



6 2024 Activities and Achievements

Events

European PHD Hydrogen Conference (EPHyC)

The European PHD Hydrogen Conference (EPHyC) is a conference aimed solely at EU-based PhD researchers working on a hydrogen-related research topic.

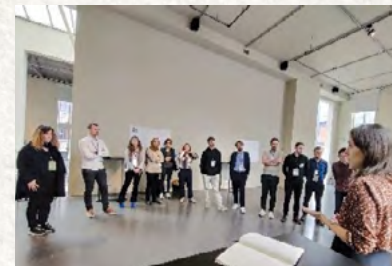


The 2024 conference was organized by the BE-HyFE team and Hydrogen Europe Research, and had its first edition from 20-22 March in Ghent, Belgium.

Organised by PHDs for PHDs, the conference brought together some of the brightest minds in the field of hydrogen research, providing a platform to exchange groundbreaking ideas and explore innovative solutions to global energy challenges.

During the 3-day conference, 175 PHDs doing their research in 87 different knowledge institutions spread across 19 European countries presented their hydrogen-related research to each other and unveiled the future of hydrogen technology; next to the PhD presentations, there were social events, keynote speeches and an industry day.

On day three, Hydrogen Europe Research organized a workshop on the topic of skills and education in hydrogen.



Participants discussed skills needs in the hydrogen sector and brainstormed in smaller groups strategies on how to train the workforce which will be needed to meet the ambitious EU targets.



During his opening speech, Luigi Crema shared that as of 2025, EPHyC will become a recurrent event and announced a much-anticipated second edition in early 2025.



Discussion Dinner with Hungarian Stakeholders in Budapest

On 12 June 2024, key stakeholders from across the hydrogen sector met in Budapest for a discussion dinner focused on advancing the hydrogen agenda in Hungary. Organised by Hydrogen Europe Research, the event brought together representatives from government, industry, and research, fostering dialogue on how to accelerate the development of a hydrogen-based ecosystem.

The evening began with a presentation by Luigi Crema, President of Hydrogen Europe Research, and continued with contributions from selected Hungarian stakeholders. Discussions centred on the role of hydrogen as a clean energy alternative and addressed the financial and political barriers currently hindering its adoption in Europe.



2024 Activities and Achievements

General Assembly in Budapest

On 13 June, the General Assembly took place in Budapest, hosted by TTK – RCNS Research Centre for Natural Sciences.



The hybrid meeting was attended by over 130 organisations from 29 countries. Highlights of the event included updates from the Board, the introduction of 7 new members, the election of the new Executive Board, and presentations on our numerous activities.

Exhibition at Hydrogen Week

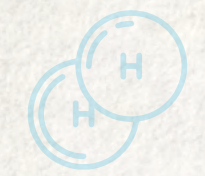
The European Hydrogen Week, held from 18 to 20 November 2024 in Brussels, was a remarkable event that brought together over 9000 partic-

ipants from across the hydrogen ecosystem. Over four days, it showcased the latest advancements, innovations, and collaborative efforts shaping the hydrogen economy. Hydrogen Europe Research played an active role throughout the week.



As exhibitors in Hall 11, we welcomed hundreds of visitors each day. Our booth served as a focal point for discussions on the innovative projects shaping the future of hydrogen technologies and their role in driving sustainability and innovation.

13 of our members hosted their own booths within the Members Pavilion, presenting their cutting-edge research and exciting projects in the hydrogen field.



We sincerely thank all members who took part in the Pavilion:

-  CETIM - French technical center for mechanical industries
-  Fondazione Bruno Kessler (FBK)
-  German Aerospace Center (DLR)
-  Sintef
-  Technical University of Madrid (UPM)
-  European Research Institute for Gas and Energy Innovation (ERIG)

-  HyCentA
-  CRM GROUP
-  CEA - Commissariat à l'énergie atomique et aux énergies alternatives
-  Westfälische Hochschule
-  Eurecat
-  INIG-PIB - Oil and Gas Institute - National Research Institute
-  CERIC-ERIC

6 2024 Activities and Achievements

General Assembly in Brussels

On 18 November we held our General Assembly in a hybrid format, both online and in person. The General Assembly was participated by 136 members organisations across Europe and beyond. The event was an opportunity for Hydrogen Europe Research members to come together to review recent developments, set strategic priorities, and discuss pressing topics in the hydrogen sector.



Members had the opportunity to share feedback, raise challenges, and propose new ideas for advancing the association's objectives.



Young Scientist Award 2024

The Young Scientist Award, held during European Hydrogen Week, celebrated the achievements of young researchers within our member organisations.

The 2024 competition highlighted exceptional research across four pillars, with awards given in each category, alongside a special recognition for the Best Researcher of the Year.



Meet the Winners of the Young Scientist Award 2024:

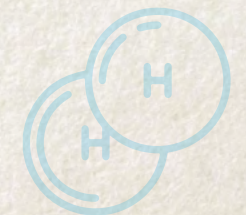
Hydrogen Production:
Jorge Torrero Cámara
(German Aerospace Center - DLR)

Hydrogen Storage and Distribution:
Giuseppe Sdanghi
(Université de Lorraine)

Hydrogen Usages:
Arianna Baldinelli
(Università di Pisa)

Cross-Cutting Activities:
Stefano Barberis
(Università degli Studi di Genova)

Best Researcher of the Year:
Paolo Marocco
(Politecnico di Torino)





Financial Overview

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In 2024, Hydrogen Europe Research kept a strong and stable financial position, which helped us grow our activities and better support the European hydrogen research community. This section gives a simple overview of our income, expenses, and main financial points, showing our commitment to clear and careful use of resources.

Income Sources

The total income for the year amounted to €597.642,53 derived from:

Membership Fees:
€494.511,52.

These are the yearly fees paid by member institutions to join our organisation and access its services, events, and benefits.

European Projects:
€64.131,00.

We allocate the incomes from the projects evenly across the years, ensuring a balanced financial approach throughout the project lifecycle. The budget allocation is as follows:

- The European Hydrogen Observatory has an annual budget of €5.500,00.
- The GreenSkills4H2 project budget is distributed with 40% in 2022, 40% in 2024, and 20% in 2026. In 2024, we received €41.006,00.
- SET4H2 received fundings for €17.625,00.
- HYPERION didn't receive fundings in 2024.

Hydrogen Week:
€39.000,00.

The income generated from Hydrogen Week comes from the sale of exhibition booths to our members. We sold each booth for €3.000,00, with 13 members contributing to the overall expenses of the Hydrogen Europe Research Pavilion.

Expenses

In 2024, there have been some alignment sessions with the new accountant, DDH Accounting. This resulted in a different allocation of some expenses from one category to another. For example, the Green Skills for Hydrogen and HER Awards costs have been aggregated to running costs, but they were in line with the planned budget.

The total expenses for 2024 were €601.583,69 allocated as follows:

Running costs: €61.725,02

The running costs of Hydrogen Europe Research include the essential day-to-day operational expenses required to keep the organization functioning efficiently. These costs cover a range of administrative, technical, and financial needs.

Specifically, the running costs for the year include:

- Accounting and Administrative Costs: expenses related to financial management, record-keeping, and compliance with regulations.
- IT Costs: this includes the costs for IT infrastructure, software licenses, and any related services necessary to support our digital operations.
- Financial Charges: such as bank fees and transaction costs.
- Website Hosting Costs: this year, a new hosting provider was selected for the organization's website, incurring a one-time cost of €7.288,74. This investment will enhance the security of our presence online.

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Events & Communications: €142.483,81

The Events & Communications line includes all expenses related to the organisation of events (such as our General Assemblies, the Hydrogen Week and the European PHD Hydrogen Conference) and the communication efforts required to promote the association’s activities.

- The final expense for Events & Communications was lower than expected, as we recovered €39.000,00 through the sale of booths in the Pavilion at the Hydrogen Week.

EY Law & Accountant: €9.922,00

This line covers the fees paid for legal and accounting services provided by external professionals or firms which offer expertise in these areas. Specifically, it includes costs associated with consulting legal experts (Ernst & Young) for contracts, compliance issues, legal advice, or any other legal matters that require professional support.

Rental costs: €70.000,00

The “Rental Costs” line refers to expenses related to leasing an office space for the organisation in Avenue Marnix 23, 1000, Brussels.

Human Resources: €313.822,86

This line includes costs associated with the employment and management of personnel within the Secretariat. These costs ensure retention, and development of a skilled workforce to support the organisation’s operations and goals. It covers:

- **Salaries:** the compensation paid to employees.
- **Payroll Taxes and Contributions:** statutory employer contributions to social security, pension funds, or other government-mandated programs.
- **HR Administration:** costs associated with managing human resources, such as HR software, payroll systems, and fees for legal and compliance services related to employment laws.

In these costs, the expenses for a freelance Administrative Assistant’s salary are included, covering their services until the end of March 2024.

IKAA: €3.630,00

The “IKAA” line includes the services paid to PKF Little John, a consulting company we engage to assist with the annual gathering exercises.



7 Financial Overview

Balance Overview:

“ The 2024 incomes match the 2024 general expenses. This means the association didn't make a profit: as a non-profit, any money received was reinvested to provide services for the members. ”

At the end of the financial year, Hydrogen Europe Research reported a balance of €3.941,17. This surplus is the result of careful management of expenses.

Assets and Bank Accounts on 31 December 2024

CURRENT ACCOUNT	€1.184.247,74
SAVINGS ACCOUNT	€244.086,27
TANGIBLE ASSETS	€569,72 (€1.514,17 - €944,45) ^[1]
AMOUNT RECEIVED IN ONE YEAR	€8.000,00 ^[2]
TOTAL AMOUNT OF ASSETS	€1.436.903,7

[1] €439,72 Depreciations amount for the asset bought in year 2023 (bought value €1.517,17)

[2] This amount is representing trade receivables from previous years, from ordinary customers.

Hydrogen Europe Research remains in a strong financial position, with sufficient resources to support ongoing initiatives and expand our impact in 2025.

We will continue to pursue new funding opportunities and manage our resources responsibly to foster innovation and collaboration across the hydrogen sector.



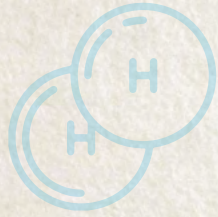
Approval and Signatures of the Board Members

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We, the undersigned members of the Executive Board, hereby confirm that we have reviewed and approved this annual report.

Name & email address	Position	Date	Signature
Luigi Crema crema@fbk.eu	President	25.11.25	
Christian Sattler Christian.Sattler@dlr.de	Vice President & Treasurer	19.11.25	
Jakub Kupecki Jakub.Kupecki@ien.com.pl	External Affairs Leader	25.11.25	
Julie Mougin julie.mougin@cea.fr	Hydrogen Production Technical Committee Leader	25/11/25	

Name & email address	Position	Date	Signature
Ekain Fernandez ekain.fernandez@tecnalia.com	Hydrogen Distribution Technical Committee Leader	28/04/2026	
Steffen Møller-Holst Steffen.Moller-Holst@sintef.no	Transport Technical Committee Leader	25/11 2025	
Viviana Cigolotti viviana.cigolotti@enea.it	Heat & Power and Industry Technical Committee Leader	25/11/2025	
Javier Dufour javier.dufour@imdea.org	Cross-Cutting Technical Committee Leader	25/11/2025	
Ludwig Jörissen ludwig.joerissen@zsw-bw.de	Supply Chains Cross-Technical Committee Leader	3.3.2026	
Guillermo Figueruelo gfigueruelo@hidrogenoaragon.org	Hydrogen Valleys Cross-Technical Committee Leader	25/11/2025	

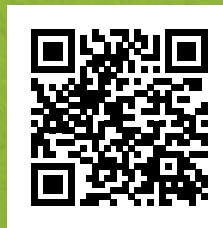


is an international, non-profit association composed of more than 150 Universities and Research & Technology Organisations (RTO) from 30 countries all over Europe and beyond.

Our members are active within the European hydrogen and fuel cells sector. Hydrogen Europe Research actively promotes scientific excellence, intellectual property development, and technology transfer in Europe.

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