



Life3H

Making Hydrogen Valleys a reality

NEWSLETTER

N.3 - December 2024



The **LIFE3H** project has received funding from the LIFE programme of the European Union [LIFE 20 ENV/IT/000575]

Dear Stakeholders,

the LIFE3H consortium is pleased to share with you this Christmas edition of the newsletter, taking this opportunity to thank you for your continued support and interest in the project. 2024 has been an intense year full of challenges, but also of significant progress in the construction of the Hydrogen Valleys in the Avezzano, Terni and Civitavecchia territories. Thanks also to your contribution, we have been able to consolidate ambitious goals, initiating concrete actions for sustainable hydrogen mobility. Thank you for being part of this journey! With this newsletter we would like to update you on the latest news, looking ahead to 2025 with renewed enthusiasm and determination and announcing that we are planning a remote meeting with all of you to discuss current and future activities.

We wish you and your families a Merry Christmas and a Happy New Year of sustainability and innovation.

Happy Holidays from the entire LIFE3H consortium!



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EVENTS IN THE 3 HYDROGEN VALLEYS

The LIFE3H project continues to strengthen its presence in the territory through a series of workshops and seminars organized in the cities of Avezzano, Terni and Civitavecchia between November and December 2024. These meetings represent key moments to actively engage stakeholders, local governments, students and communities, with the aim of promoting the transition to sustainable hydrogen mobility and consolidating the dialogue between different actors in the area.

The stakeholder workshops provided spaces to discuss the state of the art of the project and next steps, addressing central issues such as the implementation of the Hydrogen Refueling Stations (HRS), the implementation of the three demonstrations, and planned activities from an “after-project” perspective. These events also enhanced the contribution of partner companies and local authorities, highlighting the fundamental role of Hydrogen Valleys in the sustainable development of central Italy.

In parallel, the seminars dedicated to schools involved hundreds of students, offering them an important opportunity for training and awareness raising.

Through educational activities, interactive interventions and hands-on demonstrations, new generations were brought closer to the topics of energy transition, hydrogen technologies and the fight against climate change, stimulating curiosity and awareness about innovative solutions for a truly sustainable future.

The initiatives organized in the three cities demonstrated how the LIFE3H project is not only a model of technological innovation, but also a tool for involvement and growth for local communities. The workshops and seminars represent a key step in consolidating the role of Italy's Hydrogen Valleys, creating a network of skills, collaborations and best practices that can be replicated on a national scale.

AVEZZANO

Workshop with Stakeholders

On November 29, 2024, a workshop dedicated to the LIFE3H project was held at the Council Chamber of the Municipality of Avezzano: an important opportunity to discuss the prospects of sustainable hydrogen mobility in the Marsica region. Speakers included the Mayor of Avezzano, Giovanni Di Pangrazio, the President of TUA, Gabriele De Angelis, the Director of TUA, Maximilian Di Pasquale, the Director of the Territory-Environment Department of the Abruzzo Region and coordinator of the LIFE3H project, Pierpaolo Pescara, the CITRAMS Professor, Gino D'Ovidio, and the Director of the Infrastructure and Transportation Department, Eng. Giancarlo Misantoni. The event was also attended by local authorities and stakeholders. During the workshop, the state of the art of the LIFE3H project and its future potential were discussed, with a focus on the next steps for the implementation of the demonstrator (realization of the refueling station at the Marsica Freight Shunting Center and circulation of the two hydrogen buses from Avezzano to the Altopiano delle Rocche plateau) and the “After Life” activities. Several interesting insights emerged during the meeting that will contribute concretely to the development of the Marsica Hydrogen Valley.



Seminar at the Istituto Comprensivo “Corradini-Pomilio,” Avezzano (AQ)

On November 26, 40 students from the fifth grade and first middle school classes of the Corradini-Pomilio Comprehensive Institute in Avezzano attended an engaging seminar organized by the Abruzzo Region and CITRAMS. During the meeting, Dr. Chiara Barchiesi and Eng. Armando Lombardi for the Abruzzo Region and Prof. Giulio Antonini and Lorenzo D'Angelo for CITRAMS presented the LIFE3H project, with a focus on activities planned in Avezzano as part of the transition to sustainable technologies. The day offered the young participants an educational and interactive experience, thanks to the projection of cartoons dedicated to hydrogen as the energy source of the future and the opportunity to observe a hydrogen-powered demonstration car up close. The initiative stimulated curiosity and awareness on the topic of clean energy, bringing new generations closer to the issues of sustainability and technological innovation.



Seminar at the Industrial Technical Institute - ITIS Ettore Majorana, Avezzano (AQ)



On December 6, 2024, a seminar dedicated to the LIFE3H project was held at ITIS Ettore Majorana in Avezzano, involving 61 students from the second classes. The activities were led by CITRAMS professors Gino D'Ovidio and Giulio Antonini, who delved into the central themes of the project, illustrating how hydrogen technologies applied to mobility can help reduce emissions, improve air quality and support the energy transition.

During the seminar, participants had the opportunity to explore the practical applications of these innovative solutions in the context of mobility and to understand the crucial role of Hydrogen Valleys for the future of sustainable development.

TERNI

Workshop with Stakeholders

On Wednesday, November 27, 2024, Terni was the protagonist of the meeting “LIFE3H: the road to the Hydrogen Valley in the Terni basin,” organized by the Environment Directorate of the Municipality of Terni with the scientific support of Arpa Umbria. The event, held at Arpa Umbria's “M. Santoloci” conference room, was an important moment of discussion on the progress of the LIFE3H project and the central role Terni can play in the development of Hydrogen Valley in central Italy.

The LIFE3H project aims to transform Terni into a virtuous example of sustainable mobility through the use of hydrogen as a strategic resource to power public transport buses.

Prominent speakers, including representatives of Busitalia spa and Caterina Rampini of Rampini Carlo spa, spoke during the seminar to discuss the contribution of local companies to the project. Alessio Cogliati of Lindegas Italia elaborated on aspects related to hydrogen supply, while Marta Frittella, a representative of the Municipality of Terni, and Prof. Linda Barelli of the University of Perugia brought their input on the city's role in the hydrogen landscape. Councillor Sergio Cardinali stressed the importance of constructive dialogue with multinationals and trade unions to enhance the area's resources.



Seminar at the Istituto Comprensivo “G. Marconi,” Terni (TR)

A seminar dedicated to the LIFE3H project was held in Terni on Tuesday, November 26, 2024, at the G. Marconi Institute. The event involved nine third-grade secondary school classes, offering students a unique opportunity to learn more about issues related to energy transition and the opportunities offered by hydrogen technologies applied to mobility. The seminar was led by Eng. Marta Frittella and Dr. Emiliano Lenticchia, who guided the girls and boys through an educational path full of insights and insights. The students were able to understand the importance of hydrogen as a key element in addressing climate challenges and promoting sustainable development. A moment of great educational value that helped raise awareness among the new generations on issues crucial to the future of our planet.



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CIVITAVECCHIA Workshop with Stakeholders

The workshop, held on November 26, 2024, involved stakeholders, authorities, and local press representatives to present the state of the art of the project, with a focus on the Civitavecchia demonstration being implemented. During the event, Port Authority President Pino Musolino highlighted the strategic importance of the project for the future of the port and the city, emphasizing the crucial role of green technologies in the energy transition. Next, Giovanni Marinucci, representing the Port System Authority of the North Central Tyrrhenian Sea, Jack Czaplinski for CFFT, and Gina Amici for Port Mobility explained the objectives and related perspectives of the ongoing actions.



Seminario with local schools

The seminar was held on November 26, 2024, and was attended by about 130 students from schools in Civitavecchia, with the aim of raising awareness among the younger generation on issues related to climate change and the development of hydrogen technologies, as well as informing the community of innovative actions being implemented in the area. Introduced by Giovanni Marinucci of the Port System Authority of the North Central Tyrrhenian Sea, the seminar was led by Roberta Caponi and Domenico Vizzi of the University of Guglielmo Marconi, who presented the challenges of the LIFE3H project, its impact on the local community and its contribution to the fight against climate change.



ITALY'S KEY 2025 HYDROGEN MOBILITY EVENTS

2025 is a year full of strategic national appointments for hydrogen mobility. Below are some of the events not to be missed!

From March 5-7, 2025, **KEY - The Energy Transition EXPO**, the national benchmark event for energy transition and efficiency, will be held in Rimini. A dedicated hydrogen expo will be hosted within KEY, a perfect platform to promote the Hydrogen Valley model as a concrete example of integrating hydrogen technologies in urban and suburban settings.

The **Hydrogen Expo** takes place May 21-23, 2025 in Piacenza, Italy. This is the fourth edition of Italy's largest exhibition-convention entirely dedicated to the technology sector for the development of the hydrogen supply chain. In addition to the exhibition covering all product sectors, there will be a rich program of technical seminars and conferences on the latest technological and regulatory developments in the sector.

The **mcTER Hydrogen** is held in Milan on June 26, 2025. It is a conference exhibition on hydrogen and energy applications. The program includes exhibition, conferences and workshops.

In October 2025, the **Hydrogen Energy Summit & Expo (HESE)** is scheduled to take place. This event is a key milestone for the sustainable mobility and hydrogen sector, offering the opportunity to meet and exchange views with key stakeholders and to tell and learn about current industry experiences.

The **Hydrogen Fair** takes place on October 8 and 9, 2025 at Veronafiere. This event is entirely dedicated to the industrial hydrogen supply chain, covering all production and technological stages, from supply to distribution, with a focus on mobility and industrial applications.

The **"European Fuel Cells and Hydrogen. Piero Lunghi Conference 2025"** is scheduled in Capri, Naples, from Sept. 17-19, 2025. This is the 11th edition of one of the most important international conferences on hydrogen and fuel cells organized by ATENA, ENEA, the University of Perugia and the "Parthenope" University of Naples.

LIFE3H: PREPARATION OF STAKEHOLDER MEETING AND SIGNING OF “STAKEHOLDER CHART”

The LIFE3H project consortium is pleased to announce the preparation of a major Stakeholder Meeting early in the new year. This meeting is part of an active dialogue with entities, institutions, and practitioners, with the aim of sharing the progress achieved and discussing the challenges faced in the development of the Hydrogen Valleys at the three demonstration sites in Civitavecchia, Terni, and Avezzano.

The meeting is a key moment to engage key stakeholders, including local governments, sustainable mobility companies, trade associations, research organizations and representatives of the hydrogen supply chain. The results obtained in the implementation of hydrogen refueling stations (HRS) and hydrogen bus testing will be presented, along with the solutions adopted to address technical, administrative and logistical issues.

A key focus of the meeting will be open dialogue with stakeholders to gather feedback, identify synergies with other initiatives in the area, and outline next steps for the project. Particular attention will be paid to the replicability of the implemented solutions and the sustainability of the activities from an “after LIFE” perspective. More details on the agenda will be communicated and shared in the coming weeks.

Please also note that you can subscribe to the “stakeholder chart” to join the project network and be updated and informed about all ongoing actions.



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