

Brussels, 15th December 2020

MEMORANDUM OF UNDERSTANDING BETWEEN HYDROGEN EUROPE AND ALICE

BACKGROUND

Hydrogen Europe (HE) is a European Association representing the hydrogen and fuel cell industry and its stakeholders.

The Alliance for Logistics Innovation through Collaboration in Europe (ALICE) is a European Technology Platform (ETP) for Logistics recognised as such by the European Commission¹.

HYDROGEN EUROPE

Hydrogen Europe is a Brussels-based European association that represents the interests of the hydrogen and fuel cell industry and its stakeholders. The association promotes hydrogen as the enabler of a zero-emission society.

With over 190 industry companies, 82 research organisations and 25 national associations as members, our association encompasses the entire value chain of the European hydrogen and fuel cell ecosystem collaborating in the Fuel Cell Hydrogen Joint Undertaking.

HE aims at fostering knowledge and pushing for fact-based policymaking, ensuring that the European regulatory framework enables the role of hydrogen in our society.

HE serves two main goals.

- As a trade association, Hydrogen Europe promotes hydrogen and fuel cell technologies as the enablers of a zero-emission society. Hydrogen Europe acts as a coordinated voice of industry when talking to policymakers and other economic sectors. Hydrogen Europe provides necessary regulatory, policy and market intelligence and a solid network to its members and partners. In the mobility sector, Hydrogen Europe has three dedicated working groups (WG): Maritime WG, Mobility WG, and Trucks WG.
- In innovation, Hydrogen Europe partners with the European Commission in the innovation programme Fuel Cells and Hydrogen Joint Undertaking (FCH JU). The FCH JU is a public-private partnership that supports research, technological development, and demonstration (RTD) activities in fuel cell and hydrogen energy technologies in Europe. It aims to accelerate the market introduction of these technologies, realising their potential as an instrument in achieving a carbon-lean energy system. Hydrogen Europe is in active dialogue with EU authorities to renew this partnership under the next EU Framework Programme for R&I, Horizon Europe.

¹ [More information on ETPs http://data.consilium.europa.eu/doc/document/ST-12342-2013-INIT/en/pdf](http://data.consilium.europa.eu/doc/document/ST-12342-2013-INIT/en/pdf)

ALICE

ALICE is an international not-for-profit, industry-led association (over 140 members), based in Brussels and comprising representatives of the [various players in the logistics industry](#).

ALICE aims to develop a comprehensive strategy for research, innovation, and market deployment of logistics and supply chain management innovation in Europe. ALICE fulfils the mandate as ETP given by the European Commission even beyond Horizon 2020 and in particular for Horizon Europe.

The strategic objectives of ALICE are:

- The development of new logistics and supply chain concepts and innovation for a more competitive and sustainable industry.
- Its ambition is to contribute to a 30% improvement of end-to-end logistics performance by 2030 by implementing the Physical Internet concept and reaching Zero Emissions Logistics in 2050.
- The ETP on logistics aims to accelerate the deployment of more efficient, competitive, and sustainable supply chains by working in 5 themes:
 - Sustainable Logistics Supply Chains
 - Corridors, Hubs and Synchronomodality
 - Systems and Technologies for Interconnected Logistics
 - Global Supply Network Coordination and Collaboration
 - Urban Logistics

ALICE's vision is to reach zero emissions logistics by 2050. In December 2019, ALICE released the framework for a roadmap towards zero-emission logistics 2050 (<http://www.etp-logistics.eu/?p=3152>). Within the roadmap, there are five areas of intervention – one of which is low-emission energy for transport. According to ALICE members, hydrogen is the energy carrier with the greatest potential for long-haul full payload freight transport applications. ALICE aims to shorten the time frame to realise this market opportunity by supporting the ambitious decarbonisation objectives set by the European Commission and the industry.

ALICE is one of the supporting and leading ETPs of the 2ZERO Horizon Europe partnership. ALICE leads the WG on Innovative concepts and services for the zero-emission mobility of people and goods within 2ZERO Strategic Research and Innovation Agenda (SRIA) development. ALICE is involved in the definition of the SRIA linking elements with e-trucks and FCH heavy-duty trucks as part of the scope of 2ZERO, which is complementary with the Clean Hydrogen Alliance.

ALICE and Hydrogen Europe: a joint strategic objective

ALICE and Hydrogen Europe recognise that hydrogen solutions for transportation and logistics are key to achieve medium and long-term European Objectives - i.e., the EU Green Deal and carbon neutrality objectives by 2050.

To accelerate progress and shorten the time needed to achieve impact, strong collaboration and mutual understanding are needed across sectors and among stakeholders to understand and overcome potential barriers and/or propose solutions to address them.

ALICE and Hydrogen Europe's joint strategic objective is to support the uptake of hydrogen technologies for transport adapted to the needs of end-users, such as carriers, logistics companies,

and shippers, whilst taking into account industrial developments. The aim is to accelerate market readiness through innovative concepts and solutions including business deployment strategies.

COOPERATION IN PRACTICE

In order to reach these goals, the secretariats of Hydrogen Europe and ALICE will carry out the following activities:

- Both organisations will arrange a specific internal group to address the scope of this collaboration.
- Joint meetings will be arranged and will include members of Hydrogen Europe and ALICE. Both associations will share their knowledge to define barriers and ways to overcome them via the creation of joint workstreams.
- Joint workstreams will be defined and described in a joint document to be reviewed and follow up in joint meetings, including a list of topics, working ways and action plan.
- Participation of organisations not being members of either Hydrogen Europe or ALICE will be agreed on a case-by-case basis by the secretariats of Hydrogen Europe and ALICE.
- Regular exchange of information will take place between Hydrogen Europe and ALICE's secretariats in addition to the joint meetings and workstreams.
- Participation in relevant public events of both Hydrogen Europe and ALICE will be opened to the other organisations.
- Jointly lobby the relevant EU institutions for strong support to achieve the common strategic objective involving all mentioned stakeholders.
- Both organisations are free to communicate the nature, scope and aims of the partnership to external stakeholders.

This is a non-exhaustive list of joint activities, and additional activities can be agreed upon when and where needed.

NATURE OF THIS MoU, POSSIBLE DISAGREEMENT, EVOLUTION

This MoU expresses the intention of cooperation between ALICE and Hydrogen Europe. This MoU is not legally binding. If a dispute arises between the parties, they will both try to find a common solution. The MoU can be terminated when revised ways of cooperation are put in place, in case of unsolvable disputes, or in cases where the cooperation is not needed anymore. Minimum once per year, the secretariats of Hydrogen Europe and ALICE will assess the cooperation and propose possible adjustments to the MoU.

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Hydrogen Europe
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Function: President



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