



Output 3.2

An H2MA Alpine Collaboration Framework



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Short description

H2MA brings together 11 partners from all 5 Interreg Alpine Space EU countries (SI, IT, DE, FR, AT), to coordinate and accelerate the transnational roll-out of green hydrogen (H2) infrastructure for transport and mobility in the Alpine region. Through the joint development of cooperation mechanisms, strategies, tools, and resources, H2MA will increase the capacities of territorial public authorities and stakeholders to overcome existing barriers and collaboratively plan and pilot test transalpine zero-emission H2 routes.

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LIST OF ABBREVIATIONS

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The Framework builds on the results and experiences of the **H2MA project**, translating its analytical, technical, and governance achievements into a long-term collaborative structure. It serves as both a **capitalisation mechanism**—ensuring that project knowledge, tools, and methodologies remain accessible and applicable beyond H2MA—and a **cooperation instrument** to guide future joint actions.

Rather than creating a new governance body, the Framework promotes **light and flexible coordination**, enabling regions, national authorities, and private stakeholders to align strategies, share data, and jointly identify investment opportunities. It supports the gradual convergence of hydrogen mobility initiatives through **knowledge sharing, interoperability, and strategic alignment**.

In practical terms, the Alpine Collaboration Framework:

- Fosters mutual learning and exchange of good practices between Alpine regions.
- Facilitates harmonisation of standards and approaches for infrastructure deployment.
- Encourages the co-development of cross-border pilot initiatives and investment proposals and;
- Strengthens dialogue between public and private actors along the hydrogen value chain.

Through these functions, the Framework provides a durable foundation for **collaborative planning and coordinated implementation** of hydrogen mobility solutions, ensuring that the Alpine region contributes cohesively to European decarbonisation and energy transition goals.

1.2 Methodology

The development of the Alpine Collaboration Framework follows a structured and participatory approach designed to ensure coherence with the analytical, technical, and governance outcomes of the H2MA project. The methodology combines document analysis, stakeholder consultation, and capitalisation of project deliverables to build a framework that is both evidence-based and operational.

A comprehensive review of H2MA deliverables from Work Packages 1, 2, and 3 provides the basis for identifying transferable outputs and methodological insights. These materials — including strategic mappings, route-planning tools, and governance models — form the empirical foundation for defining the Framework’s scope and strategic pillars.

The process is informed by stakeholder dialogue within the H2MA partnership and associated Local Working Groups. Partners contribute feedback on governance gaps, data needs, and coordination barriers encountered during implementation, ensuring that the Framework responds to real regional and transnational challenges.

The design of the Framework applies a capitalisation logic, integrating proven practices and cooperation models into a single, adaptable structure. This approach ensures that results generated within H2MA can be sustained and expanded beyond the project’s lifetime, without creating new institutional burdens.

Finally, the drafting process follows EU and Interreg Alpine Space guidelines for transnational cooperation outputs, ensuring methodological transparency, replicability, and alignment with broader policy frameworks such as the European Green Deal, REPowerEU, and the EU Hydrogen Strategy.

2. ASSESSMENT OF H2MA WORK AND RESULTS

The Hydrogen Mobility in the Alpine Region (H2MA) project generated a coherent set of strategic, technical, and governance-oriented outputs that collectively form the foundation for coordinated hydrogen deployment across the Alpine international region. This section assesses the relevance and transferability of these outputs in relation to the objectives of the Alpine Collaboration Framework, focusing on the strategic insights from **WP1**, the technical enablement provided by **WP2**, and the governance and cooperation mechanisms developed under **WP3**.

The assessment applies defined screening criteria, identifies key deliverables for capitalisation, and extracts lessons learned that can be transferred and expanded through the future Framework.

2.1 Deliverables Screening Criteria

The deliverables were assessed according to three main dimensions: **utility**, **transferability**, and **innovation potential** in advancing hydrogen mobility planning and governance in the Alpine international region.

Utility for stakeholders was evaluated in terms of each deliverable's capacity to inform planning decisions, guide investment, and foster cooperation across public and private sectors. Priority was given to deliverables that produced tangible, usable tools or frameworks—such as route maps, interoperability assessments, and governance models—that can be applied beyond their original project context.

Transferability concerned the extent to which each output can be adapted or replicated by other regions or initiatives. Deliverables demonstrating clear methodological value, for example harmonised data models, coordination templates, or cross-border analytical methods, were considered high-value assets for capitalisation within the Alpine Collaboration Framework.

Innovation potential focused on how deliverables addressed structural challenges to hydrogen development, including **interoperability**, **harmonisation**, and **cross-border coordination**. This included the introduction of novel digital tools (WP2), governance mechanisms (WP3), and integrated planning methods bridging regional, national, and transnational policy layers (WP1 and WP2).

By applying these criteria, the assessment prioritises outputs that contribute most directly to the objectives of the Alpine Collaboration Framework: **coherent hydrogen mobility planning**, **harmonised governance structures**, and **effective public–private partnerships**.

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2.2 Key Outputs for Capitalisation

WP1 – Strategic and Policy Foundations

WP1 established the **strategic baseline** for hydrogen mobility in the Alpine international region. Through a comparative assessment of national and regional hydrogen strategies, it identified both shared priorities and areas of divergence in policy, investment, and infrastructure planning.

Key outcomes include:

- A **comprehensive mapping** of hydrogen policies, infrastructure plans, and stakeholder ecosystems across the Alpine region;
- A **harmonised methodological framework** for integrating hydrogen mobility into regional and national strategies; and
- A **common evidence base** informing subsequent analytical (WP2) and governance (WP3) activities.

WP1 demonstrated that while most Alpine regions recognise hydrogen's strategic importance, their approaches remain fragmented. The deliverables highlighted the need for **greater alignment of planning approaches, interoperable data, and transnational coordination**, providing the rationale for deeper cooperation under the Alpine Collaboration Framework.

WP2 – Technical Enablement and Analytical Tools

WP2 delivered the **digital and analytical backbone** required for cross-border hydrogen mobility planning. Its central achievement was the development of a **GIS-based Hydrogen Mobility Planning Tool**, combining spatial, infrastructural, and demand-side data to guide investment and policy decisions.

The tool enables partners to identify optimal locations for refuelling infrastructure, plan transnational corridors, and simulate deployment scenarios. Through pilot testing in **Local Working Groups (LWGs)**, WP2 validated the tool's accuracy and usability while fostering regional ownership and cooperation.

Key deliverables and results include:

- A **harmonised data model** integrating transport, energy, and environmental layers;
- A **multi-criteria assessment method** for prioritising hydrogen infrastructure investments;
- **Comparative analyses** identifying corridor-level synergies, regulatory gaps, and investment opportunities; and
- **Data-sharing and governance guidelines** ensuring long-term interoperability.

By translating strategic ambitions into **spatially grounded planning intelligence**, WP2 bridges policy with practice. Its approach to corridor mapping, scenario testing, and participatory



validation provides the Alpine Collaboration Framework with both an analytical tool and a model of collaborative technical governance that can be maintained and expanded.

WP3 – Governance, Interoperability, and Collaboration Models

WP3 converted analytical and technical knowledge into actionable governance and cooperation models. Its deliverables collectively form the **institutional and methodological foundation** of the Alpine Collaboration Framework.

Main contributions include:

- A **Handbook for Hydrogen Cooperation**, offering tested templates and participatory formats for cross-sector dialogue;
- A **Governance Model for Hydrogen Mobility**, defining principles, stakeholder roles, and coordination mechanisms across scales;
- A **Strategic Framework for Interoperability**, addressing technical, regulatory, and operational dimensions of cross-border cooperation;
- **Policy harmonisation recommendations**, identifying regulatory barriers and convergence opportunities; and
- A **Roadmap for Hydrogen Valleys**, translating governance principles into phased implementation pathways.

These deliverables demonstrated that a light yet structured governance approach—anchored in voluntary cooperation, modular participation, and transparency—can sustain engagement beyond project duration. Their concepts directly underpin the architecture of the Alpine Collaboration Framework.

2.3 Lessons Learned and Transferable Practices

The combined assessment of WP1–WP3 highlights several transferable insights that define the operational philosophy of the Alpine Collaboration Framework.

Data interoperability and governance alignment proved essential for cross-border planning. WP2 showed that harmonised data structures co-developed with stakeholders can bridge regional and national systems, enabling joint corridor analysis and shared investment logic.

Participatory structures and local ownership are critical for continuity. The Local Working Groups and participatory formats piloted under WP2 and WP3 confirmed that structured dialogue among policy makers, operators, and industry experts transforms abstract strategy into actionable cooperation.

Scalability and modularity facilitate replication. The governance and interoperability models developed in WP3 allow regions at differing maturity levels to engage progressively, without duplicating existing national or EU structures.

Public–private cooperation remains the key enabling condition. H2MA’s practical experience demonstrates that durable partnerships between public authorities and private operators



chemical sectors, are also critical, as they provide a steady offtake for hydrogen and create synergies between mobility and industrial use. Beyond the economic sphere, cross-border platforms such as Hydrogen Valleys demonstrate how local initiatives can be embedded in a macro-regional vision, offering a natural bridge between national projects and transnational interoperability.

The involvement of financial actors must also deepen, moving from exploratory dialogue to structured participation in corridor-specific investments. Regional development banks, green finance intermediaries, and EU-level blending facilities will be indispensable in underwriting risk and attracting private capital. At the same time, Alpine macro-regional institutions and national ministries will have to coordinate policy frameworks to ensure that infrastructure deployed at local and regional scales integrates seamlessly into European-level planning. By drawing in these additional stakeholders, the Framework can transform a project-based network into a truly transnational coalition of hydrogen actors.

3.3 Needs and Interests Assessment

Consultations undertaken across the project have made it clear that stakeholders share a set of recurring priorities. Chief among these is clarity on financing: investors and operators need predictable pathways to mobilise capital and mitigate risk. Closely linked to this is the demand for policy harmonisation, since divergent permitting practices, certification systems, and safety rules continue to create barriers to cross-border infrastructure. Operators also emphasise the necessity of interoperability, particularly harmonised refuelling protocols, digital booking tools, and supply guarantees, without which corridor planning remains uncertain.

Public authorities and SMEs consistently highlight their need for knowledge and capacity-building. Guidance materials, training opportunities, and user-friendly planning tools such as the H2MA software developed in WP2 are essential to help them integrate hydrogen into their mobility strategies. At the same time, stakeholders increasingly see the importance of aggregating demand through joint procurement and cooperative business models that can reduce costs and accelerate uptake. Finally, the long-term success of hydrogen corridors depends on social acceptance and workforce readiness, which requires clear communication with citizens and investment in training for a hydrogen-skilled labour force.

3.4 From Mapping to Networking

The role of the Alpine Collaboration Framework is to convert this constellation of actors and interests into a durable ecosystem that can sustain itself beyond the lifetime of the project. This means moving from ad hoc engagement towards structured collaboration, where commitments are formalised and resources pooled. The use of Memoranda of Cooperation and Understanding provides a first step in this direction, establishing light but tangible agreements among stakeholders, while corridor-based clustering offers a practical way to concentrate investments and align operational timelines.

The Framework also aims to stimulate cross-sector dialogue, linking transport operators with utilities, financial actors, and industrial offtakers. In this respect, sector coupling is more than

a slogan: it is a way to stabilise demand and integrate hydrogen into wider decarbonisation strategies. Digital integration is another crucial element, with the H2MA planning tool serving as a visual interface to identify synergies, inform investment priorities, and coordinate activities across borders. Finally, the Framework envisions a structured dialogue between local, regional, national, and EU levels, ensuring that Alpine-specific needs are reflected in European hydrogen and transport policies.

By embedding these practices, stakeholder mapping evolves into a coherent network that not only reflects the diversity of the Alpine hydrogen ecosystem but also operates as a unified community, capable of shaping investment flows, accelerating interoperability, and steering the transition to zero-emission mobility across the Alpine space.

4. SCOPE AND OPERATIONAL OBJECTIVES OF THE FRAMEWORK

The Alpine Collaboration Framework is conceived as a strategic instrument to guide the coordinated development of hydrogen mobility across the Alpine space, treated here as an **international region** with shared challenges and opportunities. It is not intended as a new institution but as a collaborative structure that brings together diverse actors around common priorities. Its scope is therefore to build bridges between local and national initiatives, align investment and policy efforts, and provide a platform where stakeholders can co-create solutions. By doing so, it will complement existing national strategies and European programmes, adding a specifically Alpine dimension that reflects the region's unique geography, transport flows, and environmental goals.

The Framework draws on the knowledge generated in H2MA: the **comparative analyses of strategies and national and local challenges and opportunities** conducted in WP1, the planning software developed in WP2, and the governance, investment, and interoperability work of WP3. From these building blocks, it defines a set of **strategic pillars** and **coordination principles** that will steer its activities in the near future.

4.1 Strategic Pillars of the Framework

The **first pillar** is knowledge sharing and the transfer of H2MA deliverables. Over the course of the project, a significant body of knowledge has been generated, including comparative analyses of strategies, the mapping of national and local challenges and opportunities, regulatory assessments, business models, governance schemes, and investment pathways. The route-planning software in particular represents a practical tool for visualising and coordinating corridor development. The Framework will ensure that these outputs are not archived but actively disseminated and adapted for use by municipalities, operators, SMEs, and national administrations. In practice, this will mean creating accessible repositories, organising targeted workshops, and maintaining a channel of exchange that keeps knowledge alive and transferable.

The **second pillar** is the joint analysis of bottlenecks, priorities, and investment gaps. Hydrogen deployment in this international region is characterised by rapid technological change and diverse regulatory environments. Continuous, shared analysis is therefore essential to avoid fragmentation and to direct resources where they have the greatest

impact. The Framework will convene cross-border groups to compare experiences, identify common barriers, and agree on priorities, ensuring that individual regional challenges are transformed into Alpine-wide learning.

The **third pillar** is the communication and mapping of funding opportunities. The transition to hydrogen mobility depends on mobilising capital from a combination of EU programmes, national schemes, regional funds, and private finance. Many stakeholders lack the resources to track this complex landscape or to position themselves effectively. The Framework will act as a broker of information, producing clear funding maps, sharing updates on calls for proposals, and connecting stakeholders to relevant instruments. In doing so, it will lower barriers to entry and enable actors from different countries to align their applications and create stronger, transnational consortia.

The **fourth pillar** is the co-development of project ideas and public–private partnership (PPP) models. The ultimate purpose of the Framework is to transform dialogue into action. It will provide a setting where operators, authorities, and investors can jointly shape investable projects, test business models, and establish cooperative schemes that balance public interest with private initiative. By encouraging cross-border project development and joint procurement strategies, the Framework will accelerate the emergence of concrete initiatives such as hydrogen freight corridors, interoperable refuelling stations, and mobility–industry synergies.

Together, these four pillars position the Framework not as a discussion forum but as a catalyst. They create the conditions for turning knowledge into implementation, opportunities into investments, and isolated initiatives into an integrated Alpine hydrogen ecosystem.

4.2 Governance and Coordination Principles

To ensure the Framework is effective, it must be governed in a way that is credible yet light, avoiding unnecessary bureaucracy while guaranteeing trust among participants. The governance model rests on three principles: inclusiveness, transparency, and flexibility.

Leadership will be organised through a rotating coordination group composed of representatives from the participating countries of the Alpine region. This arrangement ensures shared ownership and prevents dominance by any single actor. Within this group, roles will be allocated according to expertise: some members focusing on knowledge transfer and communication, others on investment and financing, and others on policy and regulation.

Transparency will be guaranteed by publishing agendas, outputs, and decisions, making them accessible to all stakeholders. This approach creates accountability and builds trust, especially in a cross-border setting where different legal frameworks and traditions coexist. Stakeholders will be able to follow developments, contribute feedback, and understand how their input is integrated into collective decisions.

Flexibility will be introduced through the use of ad hoc task groups. Instead of creating a permanent institutional body, the Framework will convene targeted groups when specific



challenges arise, such as preparing a joint funding application, addressing regulatory misalignments, or developing a corridor-specific investment model. Once objectives are met, these groups will dissolve, ensuring agility and avoiding administrative overhead.

Finally, the Framework will explicitly connect with existing governance levels rather than duplicating them. It will act as the Alpine counterpart to national hydrogen councils and EU-level platforms, feeding Alpine-specific concerns into European policy while ensuring that European standards are applied consistently across the international region. In this way, it strengthens coherence rather than adding complexity.

5. COLLABORATIVE TOOLS AND MECHANISMS

The Alpine Collaboration Framework is designed not only to outline principles and objectives but also to provide practical tools that make collaboration tangible. Its success depends on the ability to translate dialogue into regular interaction, shared decisions, and measurable outcomes. For this reason, the Framework establishes a set of collaborative tools and mechanisms that will ensure knowledge circulates, stakeholders remain connected, and actions can be coordinated across borders.

5.1 Communication and Knowledge Exchange Tools

One of the strongest lessons from H2MA's earlier work is that knowledge in the hydrogen field is often fragmented. Municipalities are not always aware of developments in neighbouring regions, SMEs struggle to access information on funding, and operators remain uncertain about standards and practices beyond their own borders. The Framework responds to this by creating communication and knowledge exchange tools that make the flow of information predictable and easy to use.

Regular digital communication will form the backbone of this effort. Newsletters, thematic briefs, and webinars will ensure that stakeholders are kept up to date with the latest developments, funding opportunities, and pilot activities. Resources produced by H2MA, such as the route-planning software and guidance documents, will be maintained in an open repository so that they remain accessible to all interested actors. Importantly, communication will be tailored to different groups: policy-makers will receive concise briefing notes, operators will be provided with operational guidance, and investors will be offered data-driven insights into project pipelines.

By combining continuity, accessibility, and audience-specific communication, the Framework will transform static deliverables into living resources that actively shape decision-making.

5.2 Physical and Virtual Collaboration Events

While digital tools are essential, effective collaboration also relies on direct interaction, where trust is built and concrete ideas are tested. The Framework will therefore combine both physical and virtual collaboration formats.

At the centre will be an **annual Alpine Hydrogen Collaboration Forum**, rotating between partner countries. Each forum will focus on a specific theme — such as financing, interoperability, or corridor planning — and bring together authorities, operators, researchers, and investors to develop actionable ideas. Complementing these, smaller regional workshops will address more localised issues, while still contributing to the broader Alpine agenda.

Virtual collaboration will be used to sustain momentum between meetings. Online working groups will enable stakeholders to meet regularly around specific tasks, such as preparing joint funding applications or aligning station deployment schedules. Shared digital platforms will be used for document exchange, mapping exercises, and the collective development of project concepts.

Importantly, the Framework will seek synergies with other existing networks rather than creating parallel structures. Platforms such as *SkHyline*, developed by the AMETHyST project, already provide valuable resources and communities. By linking with them, the Framework can enhance knowledge sharing, avoid duplication, and strengthen the visibility of Alpine hydrogen cooperation within Europe.

5.3 Decision-Making and Joint Planning Mechanisms

Collaboration is meaningful only if it results in decisions and concrete plans. The Framework therefore establishes light but credible mechanisms to allow stakeholders to agree on priorities, set timelines, and coordinate investments.

Day-to-day matters will be handled by the rotating coordination group described in Section 4. More strategic decisions — for example, which corridors to prioritise or which joint applications to pursue — will be addressed through larger assemblies where the relevant actors are present. This ensures that decision-making remains inclusive, while also practical and focused on implementation.

Joint planning will be grounded in evidence. The H2MA route-planning software will be used as a common tool for visualising transport flows, identifying refuelling needs, and aligning infrastructure deployment. Stakeholders will contribute data and insights to enrich these scenarios, and resulting plans will be documented in concise action notes. In addition, the Framework will remain open to cooperation with other initiatives such as *SkHyline*, so that Alpine plans are consistent and interoperable with parallel processes elsewhere.

5.4 Tools for Monitoring, Evaluation, and Feedback

Finally, to ensure that collaboration remains credible, the Framework will embed simple but effective mechanisms for monitoring and feedback. These are not intended to replicate national or EU-level systems but to focus on the specific value of Alpine cooperation.

Indicators will track, for example, the number of joint initiatives launched, the degree of interoperability achieved along corridors, the level of funding mobilised through joint



efforts, and the involvement of new stakeholders. Results will be compiled in an annual monitoring note and shared openly with all participants.

Feedback will be systematically collected after major activities such as workshops, joint planning sessions, or funding applications. This input will be synthesised to adjust the Framework's functioning and priorities. In this way, the Framework will remain a learning structure, able to evolve in response to changing needs and circumstances.

In sum, the tools and mechanisms described in this section are the operational foundation of the Alpine Collaboration Framework. They translate the strategic pillars outlined in Section 4 into practical formats of communication, collaboration, decision-making, and monitoring. By combining continuity with flexibility, and by seeking synergies with existing networks, the Framework ensures that cooperation in the Alpine international region is not an abstract ambition but a process that can be activated and sustained in the near future.

6. IMPLEMENTATION ROADMAP

The Alpine Collaboration Framework is conceived as a structure that can move rapidly from design to practice. Its implementation is therefore organised into four phases, each building on the outcomes of H2MA and progressively expanding the level of collaboration and commitment among stakeholders. This phasing ensures that the Framework begins with light and achievable actions while laying the groundwork for deeper cooperation in the future.

6.1 Timeline and Phases

The first phase will focus on **setup and stakeholder onboarding**, beginning with the symbolic launch at the final H2MA event on 29 October 2025. On this occasion, additional MoUs and MoCs will be signed, the concept of the Framework will be formally introduced, and partners will confirm their intention to participate. However, this event will mark the official closure of H2MA rather than the operational start of the Framework. Operational activities will commence in early 2026, once the structure for coordination is in place and stakeholders are ready to engage.

The second phase, starting in 2026, will concentrate on **knowledge sharing and needs analysis**. Bi-annual webinars and thematic workshops will provide a structured rhythm of interaction. Stakeholders will exchange information on their projects, identify common bottlenecks, and define shared priorities. The outputs of this phase will be synthesised into joint diagnostics, providing a collective view of where the greatest opportunities and challenges lie in the Alpine international region.

The third phase, foreseen for 2027, will mark the shift towards the **co-creation of initiatives and project concepts**. To this end, task groups will be convened around specific Alpine transport corridors, as identified in the comparative analyses of WP1 and visualised through the route-planning tool developed in WP2. These **corridor-focused task groups** will bring



together relevant regional authorities, operators, and infrastructure providers to align investment priorities, identify synergies, and coordinate deployment schedules along the most strategic cross-border routes. Their outputs will take the form of project concept notes, joint procurement ideas, or feasibility studies that can later be developed into funding applications.

Finally, the fourth phase will focus on the **activation of funding instruments and partnerships**, beginning in 2028. Building on the concepts developed earlier, stakeholders will coordinate applications to EU and national programmes, negotiate PPP models, and mobilise private finance. By this stage, the Framework will have matured into a mechanism not only for knowledge exchange but also for resource mobilisation and project delivery.

6.2 Key Milestones and Deliverables

Phase	Timeline	Milestones	Key Deliverables
Phase 1: Setup and Stakeholder Onboarding	Oct 2025 – Dec 2025	Final H2MA event (29 Oct 2025) with MoUs/MoCs signed; Framework presented; coordination structure outlined	MoCs / MoUs (Annex 2)
Phase 2: Knowledge Sharing and Needs Analysis	2026	Bi-annual consortium meetings; first cross-border diagnostic of bottlenecks and priorities	Alpine Needs & Priorities Report
Phase 3: Co-creation of Initiatives and Project Concepts	2027	Corridor-focused task groups established; first joint project concepts defined	Project Concept Notes; Corridor Action Plans
Phase 4: Activation of Funding Instruments and Partnerships	2028	Submission of joint funding applications; pilot PPPs launched	Funding Applications Dossier; Partnership Agreements

7. RESULTS AND MONITORING FRAMEWORK

7.1 Expected Outputs and Outcomes

The Alpine Collaboration Framework is expected to generate both immediate outputs and longer-term outcomes that consolidate cooperation on hydrogen mobility across the Alpine international region. In the short term, the Framework will create a visible and functional network of actors representing different governance levels—local, regional, national, and European. By 2027, it is anticipated that at least one hundred active participants will have engaged in Framework activities, including municipalities, regional energy agencies, infrastructure operators, and transnational initiatives such as Dinam’hyse, 3H2, or the Backbone EU MoU network.

Key outputs will include a series of knowledge-sharing events, practical policy notes, and concept papers translating H2MA findings into actionable guidance. These activities will strengthen stakeholders’ understanding of hydrogen deployment pathways and facilitate



interoperability across borders. Operationally, the Framework will support the establishment of corridor-focused task groups and encourage new partnerships between actors who had not previously collaborated.

The expected outcomes extend beyond information exchange. The Framework aims to stimulate the co-development of project ideas, encourage the signing of new Memoranda of Understanding or Cooperation, and trigger the first joint funding applications by 2028. Over time, these actions should lead to tangible investment in hydrogen infrastructure and mobility applications, gradually reinforcing the role of the Alpine international region as a connected ecosystem within the wider European hydrogen value chain.

7.2 Key Performance Indicators (KPIs)

To ensure accountability and comparability, progress will be monitored through a concise set of quantitative and qualitative indicators. The following KPIs will serve as reference points (see **Annex A – Key Indicators for Monitoring the Alpine Collaboration Framework** for detailed targets):

The Framework will monitor the number of organisations actively engaged in its activities, targeting around one hundred by 2027, with representation across local, regional, national, and European levels. Particular attention will be given to the number of new **Memoranda of Understanding and Cooperation signed**, with a cumulative target of **fifty by 2027**, reflecting both political endorsement and operational engagement.

Progress will also be assessed through the number of **joint project concepts** elaborated (two to three by 2027), **coordinated funding applications** submitted (at least one by 2028), and **public-private partnership concepts** brought to feasibility stage (minimum one by 2028). The **production of knowledge outputs**, such as policy briefs or technical notes derived from H2MA deliverables, will be maintained at a minimum of two per year.

In addition to these quantitative measures, qualitative indicators—such as the demonstration of H2MA tools, the establishment of corridor-focused task groups, and stakeholder feedback—will provide a nuanced understanding of the Framework’s added value. Results will be consolidated in an annual monitoring note that summarises achievements, identifies new opportunities, and supports strategic adjustment.

7.3 Risk Assessment and Mitigation

The success of the Alpine Collaboration Framework depends on the sustained engagement of diverse stakeholders, clear coordination, and realistic expectations. Several risks may affect its implementation:

- **Engagement fatigue:** Stakeholders may lose interest if activities do not produce visible value. To mitigate this, the Framework will prioritise concise, well-targeted actions and clear communication of results. Activities will be designed to generate tangible benefits—such as visibility, networking, or access to funding opportunities—so that participants perceive their involvement as worthwhile.
- **Fragmentation and misalignment:** Different policy priorities or investment timelines across countries and regions could slow progress. The Framework will address this by maintaining flexibility, using corridor-focused task groups to adapt to regional realities, and by promoting alignment through continuous dialogue rather than formal harmonisation.



- **Resource constraints:** Limited financial or human resources could reduce the capacity to sustain activities. To mitigate this, the Framework will rely on light coordination structures and leverage existing initiatives and platforms, such as H2MA tools or the SkHyline network, rather than duplicating efforts.
- **Overexpectation or institutional confusion:** The Framework could be mistaken for a new permanent structure or funding body. To avoid this, communication will consistently clarify that it functions as a collaborative mechanism—complementary to, not competing with, existing institutions.

By anticipating these risks and embedding mitigation strategies from the outset, the Framework can maintain credibility, continuity, and trust among participants while remaining adaptable to changing circumstances.

8. FORMALISATION OF COOPERATION INSTRUMENTS

8.1 Purpose and Role of the Memoranda of Cooperation (MoC) and Understanding (MoU)

The **Memoranda of Cooperation (MoC)** and **Memoranda of Understanding (MoU)** are the key instruments through which the Alpine Collaboration Framework anchors and extends transnational collaboration on hydrogen mobility. They offer a light and flexible mechanism to sustain the relationships established within the H2MA project and to bring new partners into the process. Both instruments are deliberately non-binding, ensuring inclusiveness and adaptability across the diverse institutional realities of the Alpine macro-region.

The MoC functions as an entry point for cooperation. It expresses the shared intention of stakeholders to collaborate, exchange knowledge, and explore synergies without creating administrative or legal obligations. The MoU builds upon this initial commitment by outlining more precise objectives, thematic areas of collaboration, and indicative roles of the signatories. While still voluntary in nature, the MoU provides a clearer operational framework for cooperation in areas such as hydrogen corridor planning, interoperability initiatives, pilot project development, and communication activities.

Together, these instruments ensure the continuity of cooperation beyond the lifetime of the H2MA project, facilitate the gradual expansion of the partnership network, and provide a traceable and transparent framework for the co-creation of cross-border hydrogen initiatives under the Alpine Collaboration Framework.

8.2 Structure and Key Elements

Each MoC and MoU follows a harmonised structure that maintains coherence across the Framework while allowing adaptation to regional contexts. They include a preamble outlining the shared motivation and reference to the H2MA and Alpine Collaboration Framework, a concise presentation of the joint objectives and thematic scope, and a section

describing the voluntary commitments of each signatory in terms of knowledge exchange, participation in working groups, or contribution to joint actions.

The agreements also specify basic coordination arrangements, such as focal contact points, mechanisms for information sharing, and procedures for follow-up. Their duration is typically limited to two years, with the possibility of renewal upon mutual consent. This flexible format enables partners to engage according to their institutional capacity while maintaining a coherent transnational structure.

8.3 Process for Signature and Follow-up

The process for preparing and signing the MoCs and MoUs is coordinated through the H2MA partnership and is foreseen to continue within the Alpine Collaboration Framework's coordination mechanisms. Potential partners are first identified based on existing or emerging hydrogen initiatives, corridor strategies, or regional priorities. Draft documents are then prepared using the templates developed under H2MA, followed by internal validation and formal signature by the respective organisations. Whenever possible, the signing of these agreements is associated with high-visibility events—such as the H2MA Final Conference in October 2025—or future Framework meetings.

After signature, the Framework's coordination team facilitates regular exchanges among signatories, ensuring that cooperation remains active and that agreements can be renewed or expanded as appropriate. All signed and draft memoranda are compiled in **Annex B – Register of Memoranda of Cooperation and Understanding**, which provides an overview of the organisations involved, the thematic focus of each agreement, and their respective signature dates. The annex functions as a **living record** of the expanding collaboration network, ensuring transparency, continuity, and accountability as the Alpine Collaboration Framework evolves

ANNEXES

- A. Key indicators for monitoring the Alpine Collaboration Framework
- B. Memorandas of Cooperation and Memorandas of Understanding

Annex A : Key indicators for monitoring the Alpine Collaboration Framework

Dimension	Indicator	Target & Timeline
Knowledge & Capacity	Stakeholders reached annually through webinars, workshops, or briefings	At least 100 stakeholders per year
	Policy or technical notes produced	Minimum of 2 per year (from 2026 onwards)
	Demonstration of the route-planning tool	To at least one regional or local authority by 2027
Collaboration & Interoperability	MoUs or MoCs signed	At least 50 by 2027
	Corridor-focused task groups established	1–2 by 2026
	Synergy with other initiatives (e.g. SkHyline)	At least 1 by 2027
	Stakeholder survey feedback	Majority (>50%) report improved cross-border collaboration annually
Project Initiation & Financing	Joint project concepts prepared	2–3 by 2027
	Coordinated funding applications submitted	At least 1 by 2028
	Joint funding commitments mobilised	First commitments secured by 2028
	Draft PPP concept developed	At least 1 by 2028

Annex B : All signed Memorandas of Cooperation and of Understanding

The H2MA project is co-funded by the European Union through the
Interreg Alpine Space programme



MEMORANDUM OF COOPERATION

between the Project Partner **Energy Agency of Savinjska, Šaleška and Koroška Region, LP01**
and the following organisation(s):

HSE Saša, družba za razvoj obnovljivih virov energije d.o.o. (company for development of renewable energy in Savinja-Šalek Region)

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA), and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Solutions 1, 2, and 3 are interesting to the signatories for the following reasons:

The presented solutions pioneer the deployment and location of hydrogen infrastructure in Slovenia, and thus additionally support our efforts to plan hydrogen infrastructure, build a regulatory framework, and support our counseling operations.

HSE Saša d.o.o. intends to use all three solutions in its following activities: planning of hydrogen infrastructure, updating national hydrogen strategies, investment decisions, counseling services & advising customers, supporting legislation creation, and be involved in the first green H2 Slovenian production units (Šaleška Hydrogen Valley). Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Šoštanj, 06/06/2025

Boštjan Krajnc,
Energy Agency of Savinjska
Šaleška and Koroška Region,
Director

Mitja Tašler,
HSE Saša d.o.o.,
Director

MEMORANDUM OF COOPERATION

between the Project Partner **Energy Agency of Savinjska, Šaleška and Koroška Region, LP01**

and the following organisation(s):

MOV (Municipality of Velenje)

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA), and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Solutions 1, 2, and 3 are interesting to the signatories for the following reasons:

The presented solutions pioneer the deployment and location of hydrogen infrastructure in Slovenia, and thus additionally support our efforts to plan hydrogen infrastructure, build a regulatory framework, and support our counseling operations.

MOV intends to use all three solutions in its following activities:

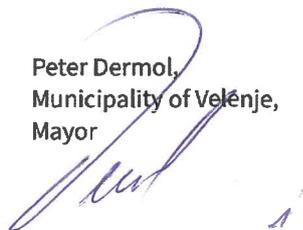
planning of hydrogen infrastructure, updating national hydrogen strategies, investment decisions, our counseling services & advising customers, supporting legislation creation, and setting up the first green H2 Slovenian production units (Šaleška Hydrogen Valley). Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Velenje, 06/06/2025

Boštjan Krajnc,
Energy Agency of Savinjska
Šaleška and Koroška Region,
Director



Peter Dermol,
Municipality of Velenje,
Mayor



The **H2MA** project is co-funded by the European Union through the Interreg Alpine Space programme

MEMORANDUM OF UNDERSTANDING

between the Project Partner **Energy Agency of Savinjska, Šaleška and Koroška Region, LPO1** and the following organisation(s):

KLEAS (Consortium of Local Energy Agencies of the Republic of Slovenia)

The signatories express their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in the following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Nova Gorica, 30/05/2025

Boštjan Krajnc,
Energy Agency of Savinjska,
Šaleška and Koroška Region,
Director



Matej Pahor,
Chairman of KLEAS,
Local Energy Agency GOLEA,
Director



MEMORANDUM OF UNDERSTANDING

between the Project Partner **Energy Agency of Savinjska, Šaleška and Koroška Region, LPO1**
and the following organisation(s):

MOV (Municipality of Velenje)

The signatories express their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in the following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

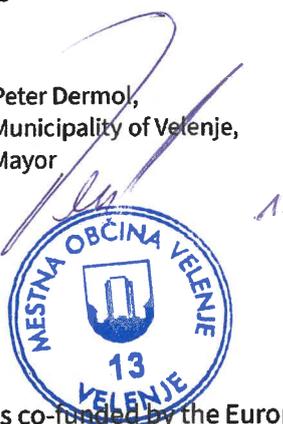
This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Velenje, 06/06/2025

Boštjan Krajnc,
Energy Agency of Savinjska,
Šaleška and Koroška Region,
Director



Peter Dermol,
Municipality of Velenje,
Mayor



The H2MA project is co-funded by the European Union through the
Interreg Alpine Space programme

MEMORANDUM OF COOPERATION

between the Project Partner **BSC, Ltd, Kranj – RDA of Gorenjska, PP2** and **LEAG – Local energy agency of Gorenjska**

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Solution 1/2/3 is/are interesting to the signatories for the following reasons:

they give us an overview of existing and planned infrastructure in the Alpine Space partners regions, provide a feasible scenarios for the implementation of hydrogen production, distribution and refuelling infrastructure in Slovenia which are in line with the national National Energy Climate Plan and Sustainable energy and climate plan for Gorenje region, they give a valid recommendations, supporting the improvement of national and regional strategic documents and thus supporting creation of hydrogen economy.

The organization takes into consideration solution 1/2/3 in its following activities:

planning of hydrogen infrastructure, updating national hydrogen strategies, investment decision-making, advising customers, creating legislation, verification. Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Kranj, 10/07/2025



Ph.D. Jure Meglič, director
BSC, Ltd, Kranj – RDA of
Gorenjska



Črtomir Kurnik, director
LEAG



MEMORANDUM OF UNDERSTANDING

between the Project Partner **BSC, Ltd, Kranj – RDA of Gorenjska, PP2**

and the following organisation(s):

LEAG - Lokalna energetska agencija Gorenjske

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Kranj 10/07/2025


Ph.D. Jure Meglič, director
BSC, Ltd, Kranj – RDA of
Gorenjska


Poslovno podporni centar
Regionalna razvojna agencija Gorenjske
BSC, d.o.o., Kranj

2


Črtomir Kurnik, director
LEAG


Lokalna energetska
agencija Gorenjske
Slovenski trg 1 • 4000 Kranj • Slovenija

2

MEMORANDUM O RAZUMEVANJU

med projektnim partnerjem **BSC, d.o.o., Kranj – RDA Gorenjske, PP2** in organizacijo:

LEAG - Lokalna energetska agencija Gorenjske

Podpisniki izražajo skupni interes za podporo transnacionalni uvedbi infrastrukture za zeleno vodikovo mobilnost v alpski regiji, ki jo pospešuje projekt »Zelena vodikova mobilnost za promet v alpski regiji« (kratica: H2MA).

Podpisniki se strinjajo, da praktično izvajanje uvajanja zelenega vodika v alpskih regijah zaostaja za ključnimi kazalniki uspešnosti (KPI), določenimi v strategiji EU za vodik. Zato se obe stranki strinjata, da bosta tesno sodelovali pri kreptvi uvajanja na regionalnih območjih in podpri doseganju ključnih kazalnikov uspešnosti do leta 2030/2050.

Stranke si prizadevajo za sodelovanje na naslednje načine:

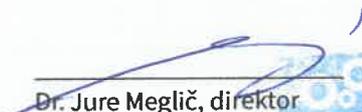
- Izmenjava znanja, strategij in orodij.
- Spodbujanje čezmejnega sodelovanja in upravljanja.
- Krepitev zmogljivosti javnih organov in deležnikov.
- Spodbujanje zelenih naložb in financiranja
- Razvoj in pilotno izvajanje poti za vodikovo mobilnost v alpski regiji

Sodelovanje v okviru tega memoranduma o soglasju lahko vključuje:

- Sodelovanje v »Alpskem okviru za sodelovanje«
- Vključevanje deležnikov in izmenjavo znanja
- Skupno načrtovanje vodikovih koridorjev.
- Izvajanje pilotnih ukrepov.
- Razvoj priporočil politik in strategij financiranja.

Ta memorandum o soglasju ni pravno zavezujoč in ne ustvarja finančnih ali pravnih obveznosti.

Kraj in datum: Kranj 10/07/2025


Dr. Jure Meglič, direktor
BSC, d.o.o., Kranj – RRA
Gorenjske


Poslovno podporni center Kranj
Regionalna razvojna agencija Gorenjske
BSC, d.o.o., Kranj


Črtomir Kurnik, direktor
LEAG


Lokalna energetska
agencija Gorenjske

Slovenski trg 1 • 4000 Kranj • Slovenija

PROTOCOLE DE COOPÉRATION

entre les partenaires du projet

- **EUROMETROPOLE DE STRASBOURG (PP3)**
- **POLE VEHICULE DU FUTUR (PP5)**

et l'organisation suivante : **PORTS DE STRASBOURG - PAS**

Les signataires soutiennent le déploiement transnational d'infrastructures de mobilité à hydrogène vert dans la région alpine, qui est accéléré par le projet « Mobilité à hydrogène vert pour les transports dans la région alpine » (acronyme : H2MA), et ont l'intention d'adopter les solutions proposées :

1. Outil de planification H2MA pour concevoir de manière coopérative des réseaux transnationaux d'approvisionnement et de distribution de mobilité à hydrogène vert dans l'espace alpin.
2. Schéma directeur pour l'hydrogène vert dans l'espace alpin, qui donne un aperçu de la planification des itinéraires pour l'hydrogène dans les régions alpines, en conformité avec les réglementations et initiatives existantes de l'UE. Il intègre les commentaires issus des évaluations par les pairs et des parties prenantes, et formule des recommandations pour la planification future.
3. Recommandations et mises à jour pour les stratégies locales, régionales et nationales en matière d'hydrogène.

Les solutions 2 et 3 sont intéressantes pour les signataires pour les raisons suivantes : Aide à la planification/l'exploitation de futurs projets d'implantation d'unités de production ou de distribution d'hydrogène décarboné

Les signataires ont l'intention d'utiliser les solutions dans le cadre des activités suivantes : planification des infrastructures hydrogène // Mise à jour des stratégies locales ou régionales en matière d'hydrogène // décisions d'investissement.

De plus les signataires souhaitent participer au « réseau de collaboration alpin ».

Lieu et date : Strasbourg le 23/10/2025

Anne-Marie JEAN
Vice-Présidente
Eurométropole de Strasbourg



Anne-Marie JEAN
Vice-Présidente

Bruno GRANDJEAN
Directeur général
Pôle Véhicule du futur



Anne-Marie JEAN
Présidente
Ports de Strasbourg - PAS



MEMORANDUM OF COOPERATION

between the Project Partners:

- **EUROMETROPOLE DE STRASBOURG (PP3)**
- **POLE VEHICULE DU FUTUR (PP5)**

and the following organisation(s): **PORTS DE STRASBOURG - PAS**

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project "Green Hydrogen Mobility for Alpine Region Transportation" (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

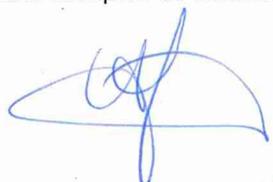
Solutions 2 and 3 are interesting to the signatories for the following reasons: they help in our design decisions regarding planning/operating future projects to set up carbon-free hydrogen production or distribution units

The organizations intends to use Solutions 2/3 > in its following activities: planning of hydrogen infrastructure // Update of local or regional hydrogen strategies // investment decisions.

Furthermore, the signatories are willing to participate in the "Alpine Collaboration Framework".

Place and Date: Strasbourg, 23/10/2025

Anne-Marie JEAN
Vice-Présidente
Eurométropole de Strasbourg



Anne-Marie JEAN
Vice-Présidente

Bruno GRANDJEAN
Directeur général
Pôle Véhicule du futur



Anne-Marie JEAN
Présidente
Ports de Strasbourg - PAS



MEMORANDUM OF COOPERATION

between the Project Partner **Fondazione Lombardia per l'Ambiente and Regione Lombardia** and the following organisation(s):

Lombardy Energy Cleantech Cluster (LE2C)

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project "Green Hydrogen Mobility for Alpine Region Transportation" (acronym: H2MA) and are willing to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.
4. Co-organising thematic events and public awareness-raising initiatives on green hydrogen and its applications;
5. Participation in the transnational cooperation framework promoted by the H2MA – Hydrogen Mobility for Alpine Region Transportation project, with a particular focus on integrating Lombardy's regions into the Alpine context.
6. Jointly identifying project opportunities, including at the European level, in the fields of sustainable mobility, energy, and the circular economy;

Solution 1/2/3/4/5/6 is/are interesting to the signatories for the following reasons:

- they help in our design decisions regarding hydrogen investment and development
- they are interesting to a set of stakeholders whom we represent on hydrogen hot topics

The organization(s) intends to use <1/2/3/4/5/6 > in their following activities:

- planning of hydrogen infrastructures
- Update of local, regional, or national hydrogen strategies, investment decisions,

Furthermore, the signatories are willing to participate in the "Alpine Collaboration Framework".

Place and Date: Milan, 27/10/2025

Dario Fossati,
General Manager of
Environment and Climate
Regione Lombardia



DARIO
FOSSATI
13.11.2025
14:43:17
GMT+01:00

Stefano Clerici,
Director
Lombardy Foundation
For Environment


Fondazione Lombardia
per l'Ambiente

Carmen Disanto
Cluster Manager
(Delegate from the legal
representative)



LE2C
LOMBARDY ENERGY
CLEANTECH CLUSTER

MEMORANDUM OF UNDERSTANDING

between the Project Partner **Fondazione Lombardia per l'Ambiente** and the following organisation(s):

University of Milano-Bicocca (UNIMIB)

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools. Best practice
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region
- Organize events on hydrogen development and mobility

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Milan (Italy) 27/10/2025

Stefano Clerici,
Director
Lombardy Foundation
For Environment


fondazione Lombardia
per l'Ambiente

University of Milano Bicocca
Prof. Piercarlo Mustarelli
Director of the Department of
Materials Science
Via Cozzi 55, 20155 Milan, Italy



Firmato digitalmente
da Piercarlo Mustarelli
Data: 27.10.2025
11:16:55 CET
Organizzazione:
BICOCCAMILANO/12
621570154

PROTOCOLE D'ACCORD

entre les partenaire du projet H2MA : **Le Pôle Véhicule du Futur & l'Eurométropole de Strasbourg**

et les organisations suivantes : **Afpa Grand Est, ENGIE, Klimapartner Südbaden, Port Autonome de Strasbourg et R-GDS**

Les signataires expriment leur intérêt commun à soutenir le déploiement transnational d'infrastructures de mobilité à hydrogène vert dans la région alpine, qui est accéléré par le projet « Mobilité à hydrogène vert pour les transports dans la région alpine » (acronyme : H2MA).

Les signataires conviennent que la mise en œuvre pratique du déploiement de l'hydrogène vert dans les régions alpines est en retard par rapport aux indicateurs clés de performance (KPI) définis dans la stratégie de l'UE pour l'hydrogène. Par conséquent, les deux parties conviennent de travailler en étroite collaboration afin d'améliorer le déploiement dans les zones régionales et de soutenir la réalisation des KPI d'ici 2030/2050, notamment dans le cadre du **Pacte Vert pour l'Europe** (Green Deal) et du plan européen **REPowerEU**.

Les parties entendent coopérer de la manière suivante :

- Partager les connaissances, les stratégies et les outils.
- Promouvoir la coopération et la gouvernance transfrontalières.
- Renforcer les capacités des autorités publiques et des parties prenantes.
- Encourager les investissements et les financements verts.

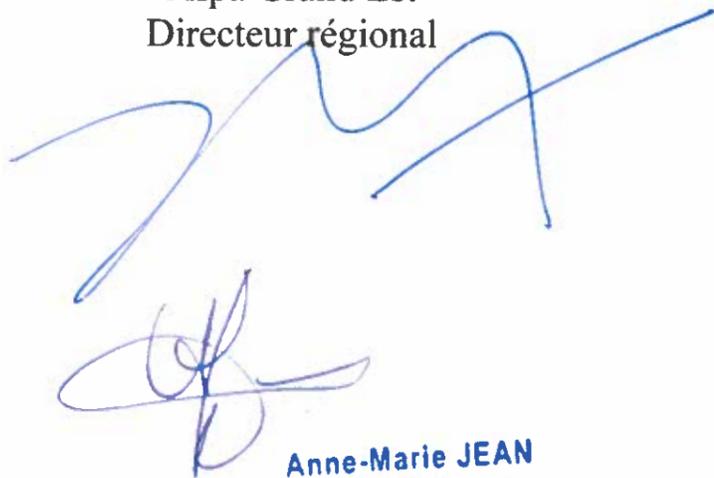
La coopération dans le cadre de ce protocole d'accord peut inclure :

- La participation au « Cadre de collaboration alpin ».
- L'engagement des parties prenantes et l'échange de connaissances.
- La mise en œuvre d'actions pilotes.
- L'élaboration de recommandations politiques et de stratégies de financement.

Ce protocole d'accord n'est pas juridiquement contraignant et ne crée aucune obligation financière ou légale.

Signé au centre de formation de l'AFPA à Mulhouse, (France) le 18/11/2025

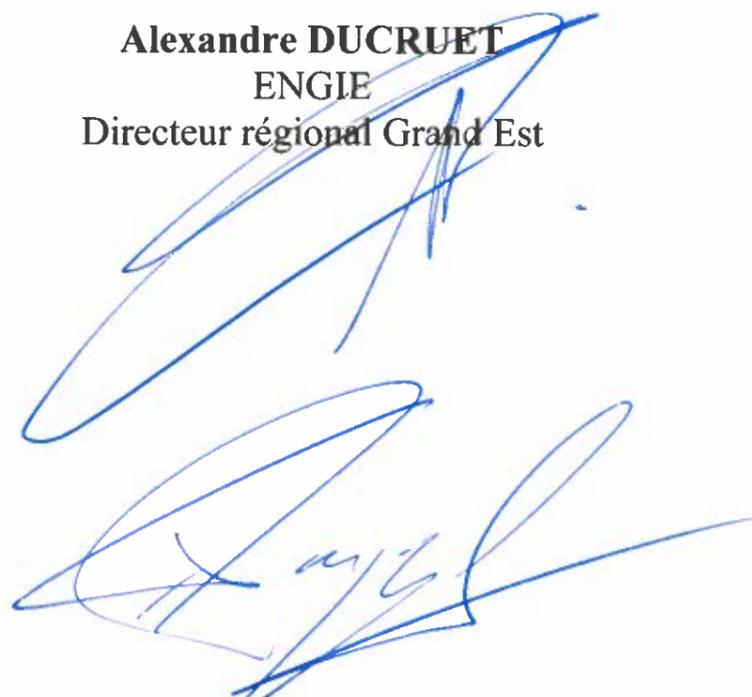
Steve JECKO
Afpas Grand Est
Directeur régional



Anne-Marie JEAN
Vice-Présidente

Anne-Marie JEAN
Vice-présidente Emploi, Formation, Économie
durable et transition écologique des entreprises
Eurométropole de Strasbourg

Alexandre DUCRUET
ENGIE
Directeur régional Grand Est



Fabian BURGGRAF
Klimapartner Südbaden
Geschäftsführer

Bruno GRANDJEAN
Pôle Véhicule du Futur
Directeur général



Anne-Marie JEAN
Port Autonome de Strasbourg
Présidente



Martine MACK
R-GDS
Directrice générale



MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation(s):

FITCONSULTING headquartered at Merulana 272 Street – 00185 Roma

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

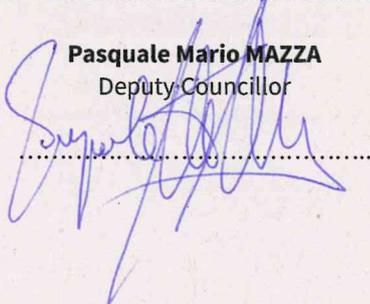
Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Place and Date: Torino October 29, 2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor



FITCONSULTING

Massimo MARCIANI
Founder & President



MEMORANDUM OF COOPERATION

Tra il partner del progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

FITCONSULTING con sede in Via Merulana 272 – 00185 Roma

I firmatari sostengono lo sviluppo transnazionale di infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerato dal progetto “Green Hydrogen Mobility for Alpine Region Transportation” (acronimo: H2MA), e intendono adottare le soluzioni proposte.

Soluzioni sviluppate dal progetto:

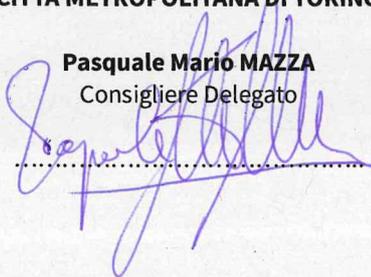
1. Strumento di pianificazione H2MA per progettare in modo cooperativo reti transnazionali di fornitura e distribuzione di mobilità verde a idrogeno nello spazio alpino.
2. Masterplan verde per l'idrogeno nello spazio alpino che fornisce una panoramica della pianificazione dei percorsi dell'idrogeno nelle regioni alpine, in linea con le normative e le iniziative esistenti dell'UE. Incorpora i feedback delle revisioni tra pari e delle parti interessate, offrendo raccomandazioni per la pianificazione futura.
3. Raccomandazioni e aggiornamenti per le strategie locali, regionali e nazionali sull'idrogeno.

Inoltre, i firmatari sono disposti a partecipare al “Quadro di collaborazione alpina”.

Data e Luogo: Torino 29/10/2025

CITTA' METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Consigliere Delegato



FITCONSULTING

Massimo MARCIANI
Fondatore & Presidente



MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation(s):

Environment Park S.p.A. – Parco scientifico e tecnologico per l'Ambiente di Torino

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Solutions 1 and 2 are of interest to the signatories for the following reasons:

- they are useful in planning hydrogen infrastructure for mobility on a cross-border scale, with particular regard to the transalpine hydrogen corridor “Turin-Lyon” being studied in collaboration with the French region AURA in the framework of the European Hydrogen Valley project “HYMAGINE.”

the solutions in point 3 are useful:

- in the context of Environment Park's collaboration with the Piedmont Region's “Hydrogen Strategy” working group, in which it participates as a technology advisor, particularly in the development of programs and projects to support the local hydrogen value chain and the strengthening of collaborations within EUSALP network and in European Union research and development programs.

Place and Date: Torino 23/10/2025

CITTA' METROPOLITANA DI TORINO

Pasquale Mario MAZZA

Consigliere Delegato alla Pianificazione
Territoriale, Difesa del Suolo, Trasporti e
Protezione civile

[[firma e timbro]]

ENVIRONMENT PARK S.P.A.

Davide DAMOSSO

Direttore Operativo e Procuratore

[[firma e timbro]]

ENVIRONMENT PARK S.P.A.
Via Livorno, 60 - 10144 TORINO
P. IVA 07154400019

MEMORANDUM OF COOPERATION

Tra il partner del progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

Environment Park S.p.A. – Parco scientifico e tecnologico per l'Ambiente di Torino

I firmatari sostengono lo sviluppo transnazionale di infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerato dal progetto “Green Hydrogen Mobility for Alpine Region Transportation” (acronimo: H2MA), e intendono adottare le soluzioni proposte.

Soluzioni sviluppate dal progetto:

1. Strumento di pianificazione H2MA per progettare in modo cooperativo reti transnazionali di fornitura e distribuzione di mobilità verde a idrogeno nello spazio alpino.
2. Masterplan verde per l'idrogeno nello spazio alpino che fornisce una panoramica della pianificazione dei percorsi dell'idrogeno nelle regioni alpine, in linea con le normative e le iniziative esistenti dell'UE. Incorpora i feedback delle revisioni tra pari e delle parti interessate, offrendo raccomandazioni per la pianificazione futura.
3. Raccomandazioni e aggiornamenti per le strategie locali, regionali e nazionali sull'idrogeno.

Le soluzioni 1 e 2 sono interessanti per i firmatari per i seguenti motivi:

- Aiutano nelle attività di pianificazione di infrastrutture idrogeno per la mobilità svolte a scala transfrontaliera, con particolare riguardo al corridoio idrogeno transalpino “Toirno – Lione” allo studio in collaborazione con la Regione Francese AURA nell'ambito del progetto Europeo Hydrogen Valley “HYMAGINE”

Le soluzioni del punto 3 sono utili:

- nell'ambito della collaborazione di Environment Park con il gruppo di lavoro “Strategia Idrogeno” della Regione Piemonte, al quale partecipa con il ruolo di advisor tecnologico, in particolare nello sviluppo di programmi e progetti a sostegno della filiera idrogeno locale ed il rafforzamento delle collaborazioni in ambito EUSALP e nei programmi di ricerca e sviluppo dell'Unione Europea.

Data e Luogo: Torino 23/10/2025

CITTA' METROPOLITANA DI TORINO

Pasquale Mario MAZZA

*Consigliere Delegato alla Pianificazione
Territoriale, Difesa del Suolo, Trasporti e
Protezione civile*

[timbro]

ENVIRONMENT PARK S.P.A.

Davide DAMOSSO

Direttore Operativo e Procuratore

[timbro]

ENVIRONMENT PARK S.P.A.
Via Liguria, 60 - 10144 TORINO
P. IVA 07154400019

MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation:

Fondazione Piemonte Innova headquartered at Vincenzo Vela 3 Steet – 10128 Torino

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

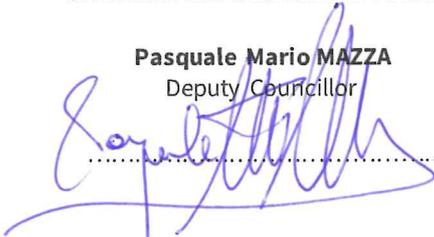
Solutions 1/2/3 are of interest to the signatories for the following reasons: they can be further enhanced thanks to the role played by Fondazione Piemonte Innova across various innovation domains in the region. The Foundation plays an active role in the NODES project, where hydrogen serves as a strategic enabling technology for the energy and industrial transition of the local ecosystem, in line with the Regional Hydrogen Strategy of Piedmont. POWERUP NETZERO is a European project coordinated by Fondazione Piemonte Innova, and the experience gained by H2MA could support the selection of H2 technologies challenges that can be developed through FSTP. Within the framework of Fondazione Piemonte Innova’s collaboration with the Piedmont Region on the S3 strategy, the Foundation contributes to the Aerospace and Mobility working groups, where hydrogen is increasingly being integrated.

Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Torino October 29, 2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor



Fondazione Piemonte Innova

Laura MORGAGNI
Director



MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation:

Fondazione Piemonte Innova headquartered at Vincenzo Vela 3 Steet – 10128 Torino

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
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3. Recommendations and updates for local, regional, and national hydrogen strategies.

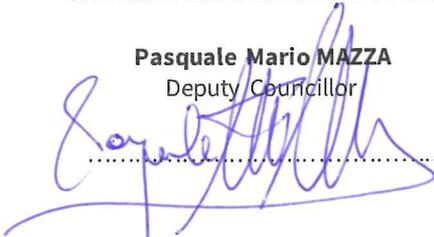
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Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Torino October 29, 2025

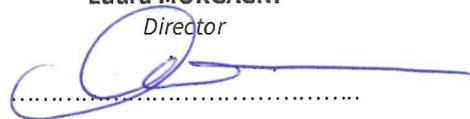
CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor



Fondazione Piemonte Innova

Laura MORGAGNI
Director



MEMORANDUM OF COOPERATION

Tra il partner del progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

SOL S.p.A. Innovation Direction con sede in Via Borgazzi 27, 20900, Monza

I firmatari sostengono lo sviluppo transnazionale di infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerato dal progetto "Green Hydrogen Mobility for Alpine Region Transportation" (acronimo: H2MA), e intendono adottare le soluzioni proposte.

Soluzioni sviluppate dal progetto:

1. Strumento di pianificazione H2MA per progettare in modo cooperativo reti transnazionali di fornitura e distribuzione di mobilità verde a idrogeno nello spazio alpino.
2. Masterplan verde per l'idrogeno nello spazio alpino che fornisce una panoramica della pianificazione dei percorsi dell'idrogeno nelle regioni alpine, in linea con le normative e le iniziative esistenti dell'UE. Incorpora i feedback delle revisioni tra pari e delle parti interessate, offrendo raccomandazioni per la pianificazione futura.
3. Raccomandazioni e aggiornamenti per le strategie locali, regionali e nazionali sull'idrogeno.

Inoltre, i firmatari sono disposti a partecipare al "Quadro di collaborazione alpina".

Data e Luogo: Monza / Torino 29/10/2025

CITTA' METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Consigliere Delegato



SOL S.p.A.

SOL SPA
Massimo BECCALI
Via Borgazzi n. 27
Direzione Innovazione Corporate Gas Tecnici
20900 MONZA (MB)
Cod. Fisc. 04127070157
P.IVA 00771260965

MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation(s):

SOL S.p.A. Innovation Direction headquartered at Via Borgazzi 27 Steet, 20900, Monza

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project "Green Hydrogen Mobility for Alpine Region Transportation" (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Place and Date: Monza / Torino October 29, 2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor



SOL S.p.A.

Massimo BECCALLI
Direzione Innovazione corporate Gas Tecnici



SOL SPA
Via Borgazzi n. 27
20900 MONZA (MB)
Cod. Fisc. 04127270157
P. IVA 00771260965

MEMORANDUM OF COOPERATION

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation(s):

VISION2H S.p.A. headquartered at Lidice 38/40/42 Avenue – 10095 Grugliasco (TO)

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Place and Date: Torino October 29, 2025

CITTA' METROPOLITANA DI TORINO

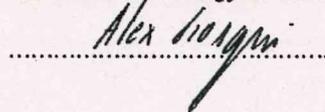
Pasquale Mario MAZZA
Deputy Councillor



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VISION2H S.p.A.

Alex GIORGINI
Co-CEO & Technology Director



.....

MEMORANDUM OF COOPERATION

Tra il partner del progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

VISION2H S.p.A. con sede in Viale Lidice 38/40/42 – 10095 Grugliasco (TO)

I firmatari sostengono lo sviluppo transnazionale di infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerato dal progetto “Green Hydrogen Mobility for Alpine Region Transportation” (acronimo: H2MA), e intendono adottare le soluzioni proposte.

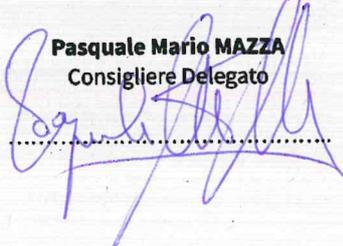
Soluzioni sviluppate dal progetto:

1. Strumento di pianificazione H2MA per progettare in modo cooperativo reti transnazionali di fornitura e distribuzione di mobilità verde a idrogeno nello spazio alpino.
2. Masterplan verde per l'idrogeno nello spazio alpino che fornisce una panoramica della pianificazione dei percorsi dell'idrogeno nelle regioni alpine, in linea con le normative e le iniziative esistenti dell'UE. Incorpora i feedback delle revisioni tra pari e delle parti interessate, offrendo raccomandazioni per la pianificazione futura.
3. Raccomandazioni e aggiornamenti per le strategie locali, regionali e nazionali sull'idrogeno.

Inoltre, i firmatari sono disposti a partecipare al “Quadro di collaborazione alpina”.

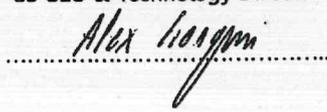
Data e Luogo: Torino 29/10/2025

CITTA' METROPOLITANA DI TORINO


Pasquale Mario MAZZA
Consigliere Delegato

VISION2H S.p.A.

Alex GIORGINI
Co-CEO & Technology Director



MEMORANDUM DI INTESA

Tra il partner di progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

POLO "CLEVER" - Energy and Cleantech Innovation Cluster della Regione Piemonte

I firmatari esprimono il loro comune interesse a sostenere la diffusione transnazionale delle infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerata dal progetto "Green Hydrogen Mobility for Alpine Region Transportation" (acronimo: H2MA).

I firmatari concordano sul fatto che l'implementazione pratica della diffusione dell'idrogeno verde nelle regioni alpine è in ritardo rispetto agli indicatori stabiliti nella Strategia europea per l'idrogeno. Pertanto, entrambe le parti concordano di lavorare a stretto contatto per migliorare la diffusione nelle aree regionali e sostenere il raggiungimento dei target entro il 2030/2050.

I Firmatari intendono collaborare nel modo seguente:

- Condividere conoscenze, informazioni, strategie e strumenti.
- Promuovere la cooperazione e la governance transfrontaliera.
- Rafforzare la capacità delle autorità pubbliche e degli stakeholders.
- Incoraggiare gli investimenti a scala locale, nazionale e transfrontalieri
- Sviluppare e sperimentare percorsi pilota di mobilità a idrogeno nella regione alpina.

La cooperazione nell'ambito di questo MoU può comprendere:

- Partecipazione al "Quadro di collaborazione alpino".
- Coinvolgimento degli stakeholders ed in particolare le imprese e i centri di ricerca del cluster Cleantech della Regione Piemonte "CLEVER"
- Collaborazione allo sviluppo di corridoi transfrontalieri di logistica ad idrogeno
- Sviluppo di raccomandazioni politiche e strategie di finanziamento a supporto dello sviluppo dell'idrogeno

Il presente MoU non è giuridicamente vincolante e non genera per i firmatari alcun obbligo finanziario o legale.

Fatto aTorino il 23/10/2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA

Consigliere Delegato alla Pianificazione
Territoriale, Difesa del Suolo, Trasporti e
Protezione civile

[timbro]

POLO CLEVER Innovation Cluster

Davide DAMOSSO

Cluster Manager

[timbro]

CLEVER
CLEANTECH & ENERGY INNOVATION CLUST

MEMORANDUM OF UNDERSTANDING

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation:

POLO "CLEVER" - Region Piemonte Energy and Cleantech Innovation Cluster

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project "Green Hydrogen Mobility for Alpine Region Transportation" (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of targets by 2030/2050.

The Signatories aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing at local , regional and transboundary level
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the "Alpine Collaboration Framework"
- Stakeholder engagement in particular of industries and R&D centers members of Cleantech Piemonte Regional cluster "CLEVER"
- Collaboration in the development of cross-border hydrogen logistics corridors
- Development of policy recommendations and funding strategies supporting hydrogen development.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Torino 23/10/2025

CITTA' METROPOLITANA DI TORINO

Pasquale Mario MAZZA

*Consigliere Delegato alla Pianificazione
Territoriale, Difesa del Suolo, Trasporti e
Protezione civile*

[firma e timbro]

POLO CLEVER Innovation Cluster

Davide DAMOSSO

Cluster Manager

[firma e timbro]



MEMORANDUM DI INTESA

Tra il partner di progetto **CITTA' METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

Ersaonline con sede in Via Orazio Antinori 8 – 10128 Torino

I firmatari esprimono il loro comune interesse a sostenere la diffusione transnazionale delle infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerata dal progetto “*Green Hydrogen Mobility for Alpine Region Transportation*” (acronimo: H2MA).

I firmatari concordano sul fatto che l'implementazione pratica della diffusione dell'idrogeno verde nelle regioni alpine è in ritardo rispetto agli indicatori stabiliti nella Strategia europea per l'idrogeno. Pertanto, entrambe le parti concordano di lavorare a stretto contatto per migliorare la diffusione nelle aree regionali e sostenere il raggiungimento dei target entro il 2030/2050.

I Firmatari intendono collaborare nel modo seguente:

- Condividere conoscenze, informazioni, strategie e strumenti.
- Promuovere la cooperazione e la governance transfrontaliera.
- Rafforzare la capacità delle autorità pubbliche e degli stakeholders.
- Incoraggiare gli investimenti a scala locale, nazionale e transfrontaieri
- Sviluppare e sperimentare percorsi pilota di mobilità a idrogeno nella regione alpina.

La cooperazione nell'ambito di questo MoU può comprendere:

- Partecipazione al “Quadro di collaborazione alpino”.
- Coinvolgimento degli stakeholders.
- Collaborazione allo sviluppo di corridoi transfrontalieri di logistica ad idrogeno
- Sviluppo di raccomandazioni politiche e strategie di finanziamento a supporto dello sviluppo dell'idrogeno

Il presente MoU non è giuridicamente vincolante e non genera per i firmatari alcun obbligo finanziario o legale.

Data e Luogo: Monza/Torino 29/10/2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Consigliere Delegato



ERSAONLINE.

Luca TALLADIRA
CEO





MEMORANDUM OF UNDERSTANDING

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation:

Ersaonline headquartered at Orazio Antinori 8 Street – 10128 Torino

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of targets by 2030/2050.

The Signatories aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing at local , regional and transboundary level
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement
- Collaboration in the development of cross-border hydrogen logistics corridors
- Development of policy recommendations and funding strategies supporting hydrogen development.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Monza/Torino October 29, 2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor

ERSAONLINE

Luca TALLADIRA
CEO

MEMORANDUM DI INTESA

Tra il partner di progetto **CITTÀ METROPOLITANA DI TORINO - #06**

E la seguente organizzazione:

FONDAZIONE LINKS Leading Innovation & Knowledge for Society con sede in Via Carlo Boggio
51 - 10138 Torino

I firmatari esprimono il loro comune interesse a sostenere la diffusione transnazionale delle infrastrutture di mobilità a idrogeno verde nella regione alpina, accelerata dal progetto "Green Hydrogen Mobility for Alpine Region Transportation" (acronimo: H2MA).

I firmatari concordano sul fatto che l'implementazione pratica della diffusione dell'idrogeno verde nelle regioni alpine è in ritardo rispetto agli indicatori stabiliti nella Strategia europea per l'idrogeno. Pertanto, entrambe le parti concordano di lavorare a stretto contatto per migliorare la diffusione nelle aree regionali e sostenere il raggiungimento dei target entro il 2030/2050.

I Firmatari intendono collaborare nel modo seguente:

- Condividere conoscenze, informazioni, strategie e strumenti.
- Promuovere la cooperazione e la governance transfrontaliera.
- Rafforzare la capacità delle autorità pubbliche e degli stakeholders.
- Incoraggiare gli investimenti a scala locale, nazionale e transfrontaliera
- Sviluppare e sperimentare percorsi pilota di mobilità a idrogeno nella regione alpina.

La cooperazione nell'ambito di questo MoU può comprendere:

- Partecipazione al "Quadro di collaborazione alpino".
- Coinvolgimento degli stakeholders.
- Collaborazione allo sviluppo di corridoi transfrontalieri di logistica ad idrogeno
- Sviluppo di raccomandazioni politiche e strategie di finanziamento a supporto dello sviluppo dell'idrogeno

Il presente MoU non è giuridicamente vincolante e non genera per i firmatari alcun obbligo finanziario o legale.

Fatto a Torino lì 29/10/2025

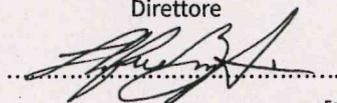
CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Consigliere Delegato



FONDAZIONE LINKS

Stefano BUSCAGLIA
Direttore



Fondazione LINKS
Leading Innovation & Knowledge for Society
Direttore
Ing. Stefano Buscaglia

MEMORANDUM OF UNDERSTANDING

between the Project Partner **CITTA' METROPOLITANA DI TORINO - #06**

and the following organisation:

LINKS FOUNDATION headquartered at Carlo Boggio 51 Steet – 10138 Torino

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of targets by 2030/2050.

The Signatories aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing at local , regional and transboundary level
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

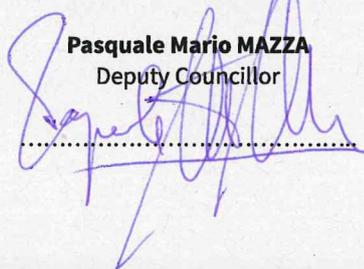
- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement
- Collaboration in the development of cross-border hydrogen logistics corridors
- Development of policy recommendations and funding strategies supporting hydrogen development.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Torino October 29, 2025

CITTÀ METROPOLITANA DI TORINO

Pasquale Mario MAZZA
Deputy Councillor



LINKS FOUNDATION

Stefano BUSCAGLIA
Director



Fondazione LINKS
Leading Innovation & Knowledge for Society
Direttore
Ing. Stefano Buscaglia

The **H2MA** project is co-funded by the European Union through the
Interreg Alpine Space programme

MEMORANDUM OF COOPERATION

between the Project Partner **Klimapartner Südbaden e.V. (PP7)**

and the following organisation:

Infrastruktur-Trägergesellschaft mbH & Co. KG

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Recommendations and updates for local, regional, and national hydrogen strategies are most interesting to the signatories for the following reasons:

- they help in our design decisions and scheduling/operation decisions regarding hydrogen infrastructure
- they are interesting to a set of stakeholders who we represent (3H2-network)

Infrastruktur-Trägergesellschaft mbH & Co. KG intends to use Solution 3 in its following activities: planning of hydrogen infrastructure, update of local, regional, or national hydrogen strategies, advising customers. Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Freiburg, 03/07/2025



Dr. Fabian Burggraf
CEO
Klimapartner Südbaden e.V.



Dieter Sommerhalter
CEO
Infrastruktur-Trägergesellschaft
mbH & Co. KG

MEMORANDUM OF COOPERATION

between the Project Partner **Klimapartner Südbaden e.V. (PP7)**

and the following organisation(s):

Verband Region Südlicher Oberrhein

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Recommendations and updates for local, regional, and national hydrogen strategies are most interesting to the signatories for the following reasons:

- they help in our design decisions and scheduling/operation decisions regarding hydrogen infrastructure
- they are interesting to a set of stakeholders who we represent (3H2-network)

Verband Region Südlicher Oberrhein intends to use Solution 3 in the following activities: planning of hydrogen infrastructure, update of local, regional, or national hydrogen strategies, advising customers. Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Freiburg, 23/09/2025



Dr. Fabian Burggraf
CEO
Klimapartner Südbaden e.V.



Wolfgang Brucker
Verbandsdirektor
Verband Region Südlicher
Oberrhein

MEMORANDUM OF UNDERSTANDING

between the Project Partner **Klimapartner Südbaden e.V. (PP7)**

and the following organisation:

Infrastruktur-Trägersgesellschaft mbH & Co. KG

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Freiburg, 03/07/2025



Dr. Fabian Burggraf
CEO
Klimapartner Südbaden e.V.



Dieter Sommerhalter
CEO
Infrastruktur-Trägersgesellschaft
mbH & Co. KG



MEMORANDUM OF COOPERATION

between the Project Partner **4ward Energy Research GmbH**

and the following organisation:

KEM Gabersdorf Schwarzautal, Marktgemeinde Schwarzautal, Wolfsberg 125, 8421 Schwarzautal

The signatory support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intends to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

Solutions 1/2/3 are interesting to the signatories for the following reasons:

In light of the existing hydrogen facility located within our Climate and Energy Model Region, these three project outcomes remain highly relevant - especially regarding future applications in industry and mobility, as well as potential integration into a transnational hydrogen pipeline network:

1. **H2MA Planning Tool**
Supports coordinated, cross-border planning of green hydrogen supply networks across the Alpine space. It provides valuable insights to help integrate the existing facility into larger-scale transnational infrastructure planning.
2. **Green H2 Masterplan for the Alpine Space**
Offers a strategic roadmap aligned with EU policies and stakeholder input. It delivers practical recommendations to guide the future development and utilization of hydrogen infrastructure in our region.
3. **Recommendations at local, regional, and national Levels**
Helps align regional activities with broader hydrogen strategies. This strengthens the political relevance of our efforts and opens up new opportunities for support and cooperation.

In summary, these solutions empower our region to take an active role in shaping the future hydrogen economy by leveraging existing infrastructure for industrial use, clean mobility and strategic integration into the European H₂ network.

Place and Date: Schwarzautal, 2.6.2025

Wolfgang Kubassa

Wolfgang Kubassa
Klima- und Energiemodellregions-Manager
KEM Gabersdorf Schwarzautal


[Signature]
Bgm. Alois Frummer
Bürgermeister Schwarzautal
KEM Gabersdorf Schwarzautal

MEMORANDUM OF COOPERATION

between the Project Partner **4ward Energy Research GmbH (PP8)**

and the following organisation

Amt der Kärntner Landesregierung,

Abteilung 7 - Wirtschaft, Tourismus und Mobilität

The signatory supports the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

These solutions are of strategic interest to the Land Kärnten for the following reasons:

- Land Kärnten is a key participant in Austria’s first Hydrogen Valley: “Hydrogen Industrial Inland Valleys”, demonstrating its long-term commitment to hydrogen as a cornerstone of future regional energy and mobility systems.
- With its own hydrogen strategy Carinthia has been investing in hydrogen technologies for over five years, making the region a proactive actor in the green energy transition.
- Land Kärnten will become a critical energy hub within the planned H2-South Corridor. This infrastructure will intersect two major European transport corridors and pass through Carinthia, positioning the region as a central link in Europe’s future hydrogen backbone.
- Through the project “DeCarB – Decarbonising Carinthian Bus Transport”, the Land Kärnten – in cooperation with utility provider Kelag – is currently implementing a green hydrogen production facility via electrolysis. The renewable hydrogen produced will be used as a zero-emission fuel for public transport in the Villach region, contributing to regional decarbonisation and innovation.

The Land Kärnten intends to use the solutions developed within the H2MA project in the following activities:

- Strategic planning and further development of the regional hydrogen infrastructure,
- Public sector advisory activities, particularly in the context of public transport
- Contribution to legal and regulatory frameworks relating to hydrogen use and distribution

Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Interreg



Co-funded by
the European Union

Alpine Space

H2MA

Klagenfurt aW; 25.06.2025



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www.4wardenergy.at

Martin Schloffer
Geschäftsführer


Amt der Kärntner Landesregierung
Abteilung 7 - Wirtschaft, Tourismus
und Mobilität

Mag. Norbert Niederdorfer
Head of Departement

MEMORANDUM OF UNDERSTANDING

between the Project Partner **4ward Energy Reseach GmbH (PP8)**

and the following organisation:

Energie Agentur Steiermark gGmbH

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools
- Promote cross-border cooperation and governance
- Strengthen the capacity of public authorities and stakeholders
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors
- Development of policy recommendations and funding strategies

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Graz, 05.06.2025



4ward Energy Research GmbH
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www.4wardenergy.at

Energie Agentur Steiermark gGmbH



Gedollaplatz 1, 8010 Graz
Tel: 0316/269700-0 • Fax: 269700-99
office@ea-stmk.at • www.ea-stmk.at

DI Dieter Thyr



**ENERGIE AGENTUR
Steiermark**

MEMORANDUM OF COOPERATION

between the Project Partner **4ward Energy Research GmbH (PP8)**

and the following organisation

Institut für Technologie und alternative Mobilität (IAM),

The signatory supports the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. H2MA planning tool to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. Recommendations and updates for local, regional, and national hydrogen strategies.

These solutions are of strategic interest to the IAM for the following reasons:

- The IAM is strong connection with the regional government of Carinthia which is a key participant in Austria's first Hydrogen Valley: “Hydrogen Industrial Inland Valleys”, demonstrating its long-term commitment to hydrogen as a cornerstone of future regional energy and mobility systems.
- With its own hydrogen strategy Carinthia has been investing in hydrogen technologies for over five years, making the region a proactive actor in the green energy transition always in connection with IAM.

The IAM intends to use the solutions developed within the H2MA project in the following activities:

- Strategic planning and further development of the regional hydrogen infrastructure,
- Support the public sector advisory activities
- Contribution to legal and regulatory frameworks relating to hydrogen use and distribution

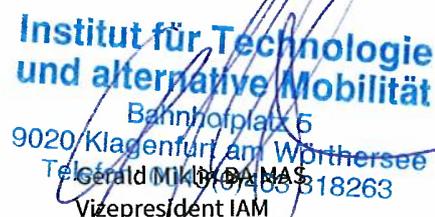
Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Klagenfurt aW; 25.06.2025

**4ward Energy**
Research GmbH

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Martin Schloffer
Geschäftsführer

**Institut für Technologie
und alternative Mobilität**
Bahnhofplatz 5
9020 Klagenfurt am Wörthersee
Tel: Gerald Mikl 0463 318263
Vizepräsident IAM

MEMORANDUM OF COOPERATION

between the Project Partner **Italienische Handelskammer München-Stuttgart (ITALCAM)**
and **Handelskammer Bozen**.

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “*Green Hydrogen Mobility for Alpine Region Transportation*” (acronym: [H2MA](#)) and intend to adopt the solutions provided.

Solutions:

1. [H2MA planning tool](#) to cooperatively design transnational green H2 mobility supply and distribution networks across the Alpine space.
2. [Green H2 Masterplan for Alpine Space](#) which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
3. [Recommendations](#) and updates for local, regional, and national hydrogen strategies.

The above-mentioned solutions are considered of interest by the Parties insofar as they may support decision-making and operational planning, enhance advisory and support activities, and be of relevance to the stakeholders represented.

The Parties acknowledge that such solutions constitute potential options and, as such, may be taken into consideration — in whole or in part — for future activities, including infrastructure and resource planning, investment and strategic decisions, as well as the provision of guidance and advice to partners and clients.

Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Munich, 11.09.2025

Italienische Handelskammer
München-Stuttgart (ITALCAM)
Alessandro Marino
General Manager

Handelskammer Bozen
Alfred Aberer
Secretary General

(stamp and signature)

(stamp and signature)

MEMORANDUM OF UNDERSTANDING

between the Project Partner **Italienische Handelskammer München-Stuttgart (ITALCAM)**
and **Zentrum Wasserstoff.Bayern (H2.B)**, Project's Observer

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation (H2MA)”.

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing
- Develop and pilot hydrogen mobility routes in the Alpine region

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Implementation of pilot actions.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Munich, 10.09.2025

Italienische Handelskammer
München-Stuttgart (ITALCAM)
Alessandro Marino
General Manager

(stamp and signature)



Zentrum Wasserstoff.Bayern
(H2.B)
Dr. Fabian Pfaffenberger
Managing Director

(stamp and signature)



MEMORANDUM OF COOPERATION

between the Project Partner **Codognotto Italia Spa con Socio Unico – PP12**

and the following organisation(s): **ALOT S.r.l.** (hereinafter »The Organization«)

Guido Piccoli

The signatories support the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA) and intend to adopt the solutions provided.

Solutions:

1. Green H2 Masterplan for Alpine Space which provides an overview of hydrogen route planning in the Alpine regions, aligning with existing EU regulations and initiatives. It incorporates feedback from peer reviews and stakeholders, offering recommendations for future planning.
2. Recommendations and updates for local, regional, and national hydrogen strategies.

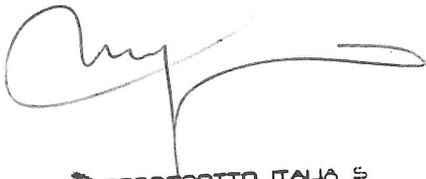
The Green H2 Masterplan for Alpine Space and the Recommendations are interesting to the signatories for the following reasons:
they help in our counselling operations <more detail> / they are interesting to a set of stakeholders who we represent <more detail>

The Organization intends to use The Green H2 Masterplan for Alpine Space and the Recommendations in its following activities:
advising customers for the update of local, regional, or national hydrogen strategies.
Furthermore, the signatories are willing to participate in the “Alpine Collaboration Framework”.

Place and Date: Brescia / Italy 11/07/2025

Maurizio Codognotto – CEO
Codognotto Italia Spa con Socio
Unico

Guido Piccoli – CEO – ALOT S.r.l.



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MEMORANDUM OF UNDERSTANDING

between the Project Partner **Codognotto Italia Spa con Socio Unico – PP12**

and the following organisation(s): **ALOT S.r.l.** (hereinafter »The Organization«)

Guido Piccoli

The signatories expressing their shared interest in supporting the transnational roll-out of green hydrogen mobility infrastructure in the Alpine region, which is being accelerated by the project “Green Hydrogen Mobility for Alpine Region Transportation” (acronym: H2MA).

The signatories agree that the practical implementation of green hydrogen rollout in the Alpine regions is lagging behind the KPIs set out in the EU Hydrogen Strategy. Therefore, both parties agree to work closely together to enhance the roll-out in the regional areas and to support the achievement of the KPIs by 2030/2050.

The Parties aim to cooperate in following way:

- Share knowledge, strategies, and tools.
- Promote cross-border cooperation and governance.
- Strengthen the capacity of public authorities and stakeholders.
- Encourage green investment and financing

Cooperation under this MoU may include:

- Participating in the “Alpine Collaboration Framework”
- Stakeholder engagement and knowledge exchange
- Joint planning of hydrogen corridors.
- Development of policy recommendations and funding strategies.

This MoU is not legally binding and does not create financial or legal obligations.

Place and Date: Brescia / Italy 11/07/2025

Maurizio Codognotto - CEO

Guido Piccoli – CEO – A LOT S.r.l.


CODOGNOTTO ITALIA S.P.A.
Con Socio Unico
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