



SMART HY AWARE

PHASE 2: FINAL DISSEMINATION EVENT



PP4-Municipality of Delphi

Regional Action Plan
“Delphi green hydrogen association”



Delphi's Regional Action Plan:

“Delphi Green Hydrogen Association”

Through **SMART-HY-AWARE** project Municipality of Delphi planned a regional hydrogen action plan that will establish a collaborative stakeholders' cluster (“*Delphi green hydrogen association*”) which will evaluate hydrogen mobility applications in the region, by informing all regional stakeholders and propose new hydrogen mobility schemes through relevant public-private partnerships (PPPs).





Aim of Delphi's Regional Action Plan

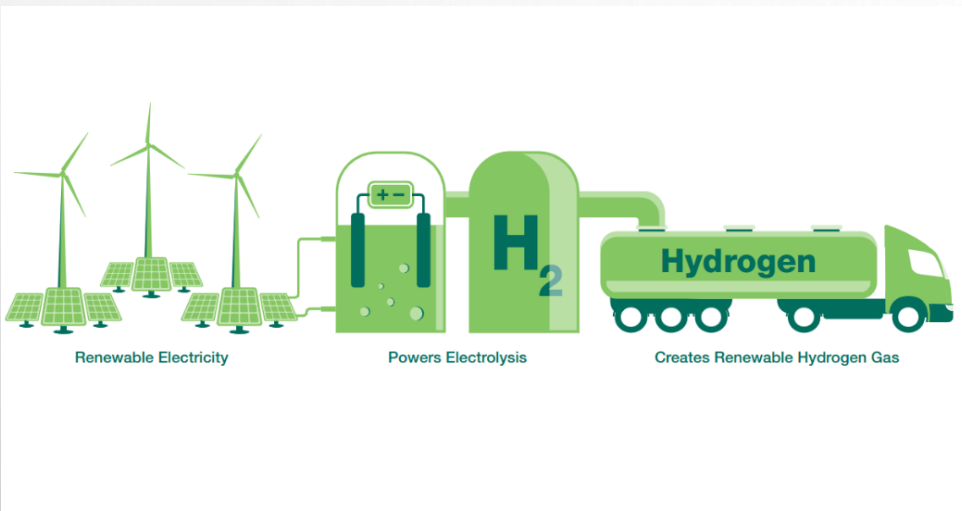
- Based on the Hellenic National Energy & Climate Action Plan, Municipality of Delphi initialised a Sustainable Urban Mobility Plan (SUMP), aiming to decarbonize the current urban and rural mobility scheme and satisfy the mobility needs of people and businesses in the Phocis region and their surroundings for a better quality of life.
- Municipality of Delphi will initialise the formulation of a coordinated hydrogen ecosystem (“**Delphi Green Hydrogen Association**”) to make the first step capitalising the good practices, knowledge and expertise gained from SMART HY-AWARE Interreg Europe project, from relevant previous studies applied in Phocis region and implement new hydrogen mobility schemes through relevant public-private partnerships (PPPs).
- This regional cluster will operate as a coordinated supporting mechanism towards all interested investors/funders (public bodies and industries) willing to invest in hydrogen mobility applications in the Phocis region.





The background of the RAP

- Outcomes of the studies held showed the high potential of hydrogen production from olive by-products and solar energy and approved the initial thoughts of exploiting these energy sources for hydrogen production as it was stated in the SMART HY AWARE Application Form.
- Wind energy could also be a valuable alternative source for hydrogen production.
- Good practices examined and assessed by the Municipality of Delphi in close collaboration with the Hellenic Institute of Transport, highlighted the importance of establishing close consultation between involved stakeholders in hydrogen projects to create public-private partnerships (PPPs).
- The presentation of a Regional Hydrogen Master Plan (Aragon) during IRSW in Budapest (November 2021) validated the importance of a public-private partnership scheme in a structured cluster coordinated by the respective authority (in our case the SMART HY AWARE partner).



Creation of Delphi green hydrogen association

- Delphi green hydrogen association with the participation of public authorities, Special Management Authority of Regional Operational Plan of Continental Greece (regional policy maker entity), research institutes/universities and industry enterprises with knowledge in hydrogen applications is a key action to ensure the launch of low-carbon energy production and mobility projects in the Phocis region.
- Municipality of Delphi could be the *linkage* between *public and private funding schemes to promote hydrogen initiatives in the Phocis region* and provide the appropriate knowledge background to all local/regional communities engaged during structured workshops/meetings.





Steps of the RAP

1. Bilateral meetings between Municipality of Delphi and potential public and private stakeholders defining their participation and roles/responsibilities within Delphi green hydrogen association and during the implementation of Delphi SUMP.
2. Signing of an official document between the cluster members (MoU), for the establishment of the Delphi green hydrogen association.
3. An expert committee (3-5 members of the Delphi green hydrogen association) will be formed and in close cooperation with the Municipality of Delphi will be in charge for the supervision, coordination and implementation of the “Hydrogen Mobility” pillar’s strategic actions defined in the existing Delphi SUMP
4. Two open consultation meetings with the participation of external stakeholders (outside cluster) to gather recommendations related to hydrogen mobility for the development of a written recommendation report to align proposed actions and KPIs with existing Delphi SUMP objectives.
5. Delphi green hydrogen association will include targeted lines of action in the “Hydrogen Mobility” pillar of Delphi SUMP, with regards to support and promotion actions of the hydrogen value chain and communication.
6. Delphi green hydrogen association will define and finalise a set of KPIs to evaluate and monitor the implementation steps of the “Hydrogen Mobility” pillar’s actions defined in the existing Delphi SUMP.



Costs & Funding sources

Estimated Costs

The costs that will occur during the implementations of the RAP will be covered by own funds and be supported by the Local Mobility Plan 'SUMP'. These costs are related to the aforementioned actions that should take place for the establishment of the Delphi green hydrogen association.

Below some indicative costs may occur during Phase 2:

- Staff costs:15.600,000€
- External experts, technical assistance:15.000,00€
- Marketing, Communication:3.000,00€
- Project management 17.000,00€
- Other costs that are directly connected to the actions

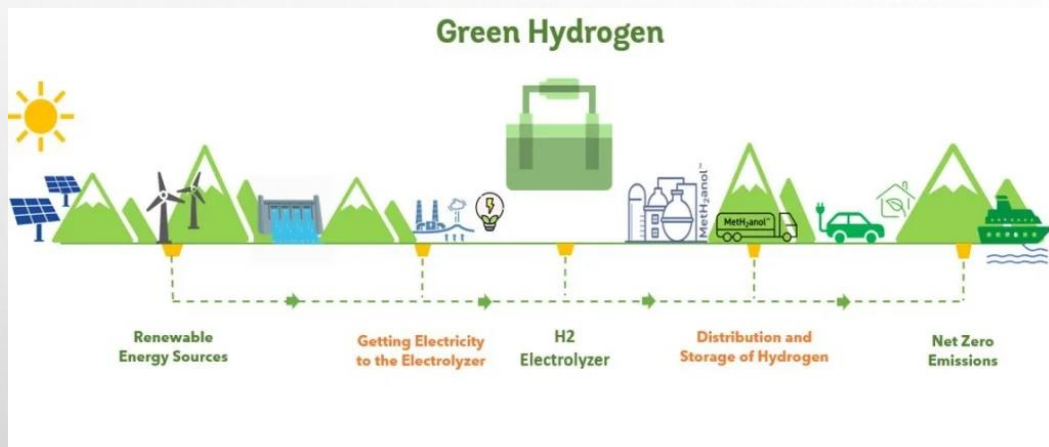
Funding sources

- All operational costs of Delphi green hydrogen association will be covered by own funds (Municipality of Delphi annual budget) and will be co-funded from the EU under the Regional Operational Programme continental Greece from the addressed policy instrument (Delphi SUMP).





Expected impact



- Strong regional public-private partnership (PPP) framework boosting the regional green energy capacity building and providing an additional mechanism to prioritize green hydrogen future PPPs in the existing Delphi SUMP.
- The expertise of Delphi hydrogen association's members and the active participation of external stakeholders during the bilateral meetings and open consultation meetings will be capitalised in the final written proposal submission for Delphi SUMP, which will be submitted when all the steps will be completed.
- These actions will initialise new important green mobility projects in the Phocis region utilising the biomass and renewable energy potential, plus giving special focus and respect in the world heritage site with Natura and CORINE areas.



*Thank you for your
attention!*

