



Funded by the  
European Commission

# HYLIGHTS

Hydrogen for Transport in Europe



Developing the demonstration project framework and support of ongoing demonstration activities

A Coordination Action under Framework Programme 6





## What is HyLights?

HyLights is a Coordination Action to accelerate the commercialisation of hydrogen and fuel cells in the field of transport in Europe. HyLights will assist all stakeholders in the preparation of the next important phase for the transition to hydrogen as a fuel and long-term renewable energy carrier.

This next phase will comprise large scale demonstration projects at various locations throughout the European Union. These projects are necessary to validate the future technology generations as well as to create the first hydrogen clusters that can be extended later on to hydrogen networks. Large scale demonstration activities are also essential to achieve a sufficient visibility so as to gain public acceptance and to create confidence in the transition phase of hydrogen as a fuel for vehicles.

## Transport in focus

As HyLights is focused on the transport sector the following basic tasks were identified to specifically address vehicle and refuelling infrastructure demonstration activities:

- Develop an assessment framework for completed/ongoing demonstration projects,
- analyse individual projects and establish a project database,
- realise a gaps analysis and prepare a pre-requisites' profile for the next stage projects,
- identify and assess the necessary financial and legal components for the preparation of the new projects,
- develop a European interest group named "Hydrogen for Transport".

The assessment framework and gaps analysis will compare the best practices and lessons learned with the stakeholders' expectations as well as Member States' and region specific needs and conditions. The assessment will not be limited to technical conditions but will also cover financial and legal aspects as well as customers experiences and public relations issues.

This fundamental assessment will lead to a detailed planning of possible structures for successful large scale demonstration activities. Only a robust technical, financial and legal framework can provide the necessary solid ground for the large investments which have to be shared by the participating stakeholders.

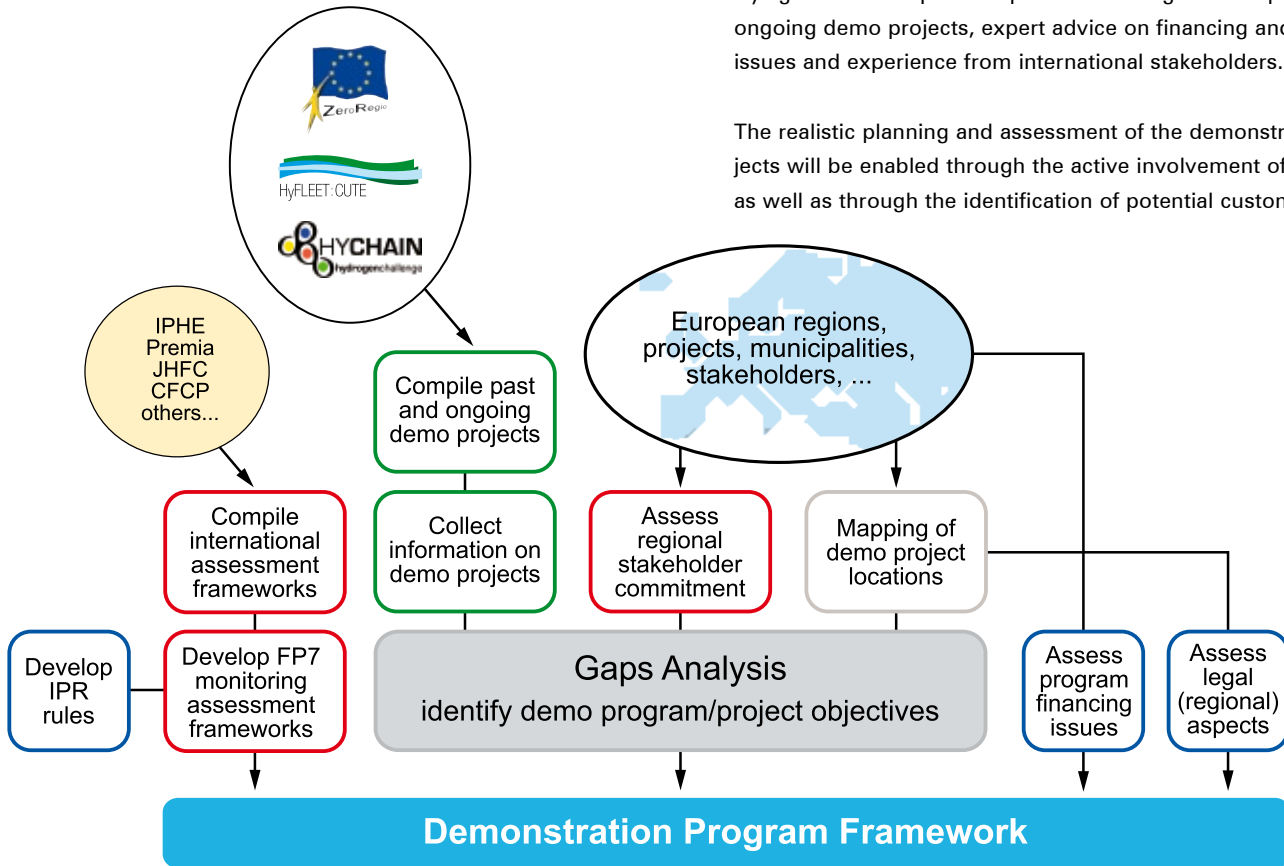
Nonetheless a harmonised European assessment framework is not only a key success factor for future hydrogen and fuel cell demonstration activities. It is also a contribution to the international discussion process especially related to similar activities in Japan and the USA. This international harmonisation effort will be an essential step for the market preparation and the comprehensive transition of hydrogen as a vehicle fuel.



## Task structure of HyLights

HyLights will incorporate input from the regions and past/ ongoing demo projects, expert advice on financing and legal issues and experience from international stakeholders.

The realistic planning and assessment of the demonstration projects will be enabled through the active involvement of industry as well as through the identification of potential customer needs.



## Interest group on hydrogen for transport

HyLights was created by 21 partners, 4 European institutes and 17 industry partners representing the automotive industry, the oil sector, the technical gases industry and the utility sector. But this is considered to be just the starting point. Additional interested parties such as other industry partners, governments and further stakeholders are invited to take part in the planning process. They may become Associate Partners to help defining the work in the HyLights project or take part via an interest group on hydro-

gen for transport that will be established and driven by HyLights. This extended group of stakeholders is meant to provide visibility to the coherent strategy behind the activities on hydrogen for transport in Europe



## HyLights

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## Partners

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## Associated Partners

