



Eastern and Central Europe Roadshow

Context

The adoption of fuel cell buses in Europe has historically been uneven. Most fuel cell buses have been deployed in Western Europe. This proposal aims to organise a bus tour of cities interested in this technology in Eastern and Central European countries. The aim is for relevant local actors to test a demonstration bus to build regional capacity to deploy fuel cell bus technology to expand the sector in the short/medium term.

Content

The bus roadshows' organisation will be divided into three areas (please see the map below). There will therefore be three roadshows, one in each area. It is expected for each roadshow to last between 3 to 4 months and make around ten stops, with each stop scheduled to last between one and two weeks. For each area, a mobile refuelling station will follow the bus roadshow.

This roadshow will be accompanied by the following:

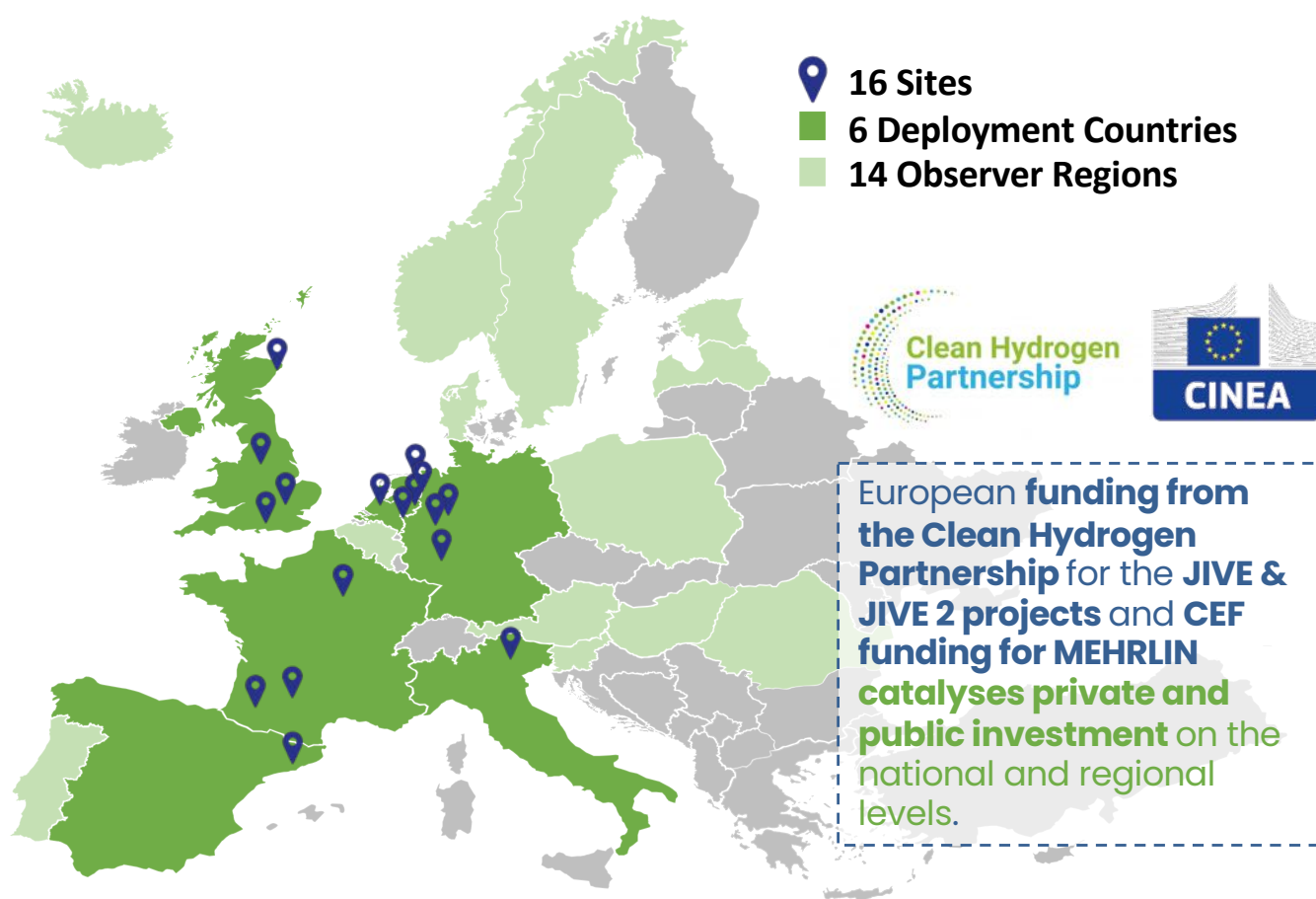
- Technical support provided by the relevant participating bus manufacturer – as a technician will be made available to accompany the demonstration Fuel Cell Bus for each stop. Local/regional sales personnel will also be made available to answer questions for the bus operators.
- The organisation of tailored workshops that will address the different barriers to FCB deployment in the area and attempt to find solutions to those various barriers. Those workshops will also share the experience from other trial cities. These activities will answer the absolute need to increase demand in this area.

Each tour will take place between November 2022 and March 2023 – this timescale could be flexible depending on the availability of the bus and station.





The JIVE projects (JIVE/JIVE 2/MEHRLIN) are the flagship fuel cell bus projects in Europe aiming to deploy around 300 buses and associated infrastructures by the end of 2022.



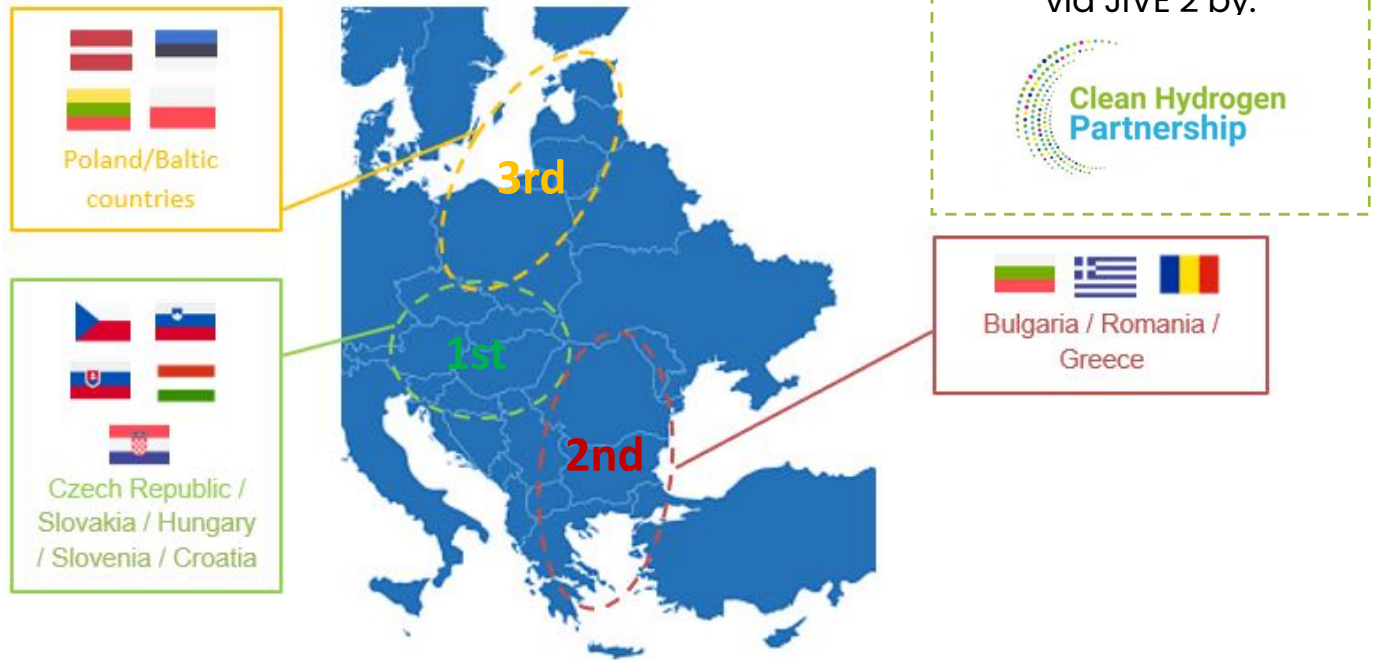
As of November 2022, **~77% of the buses are operational** (i.e., 230 buses), and **6.5M km** have been driven cumulatively as of June 2022. There are **15 HRS fully operational**, most (90%) delivering green hydrogen to the vehicles.

An excellent fuel efficiency with a consumption of **currently 6 to 7 kg of H₂/100km for 12m** and **less than 9kg/100km for 18m articulated buses**. Over the project significant reduction in fuel consumption was noted – **value as low as 6.5kg/100km**.

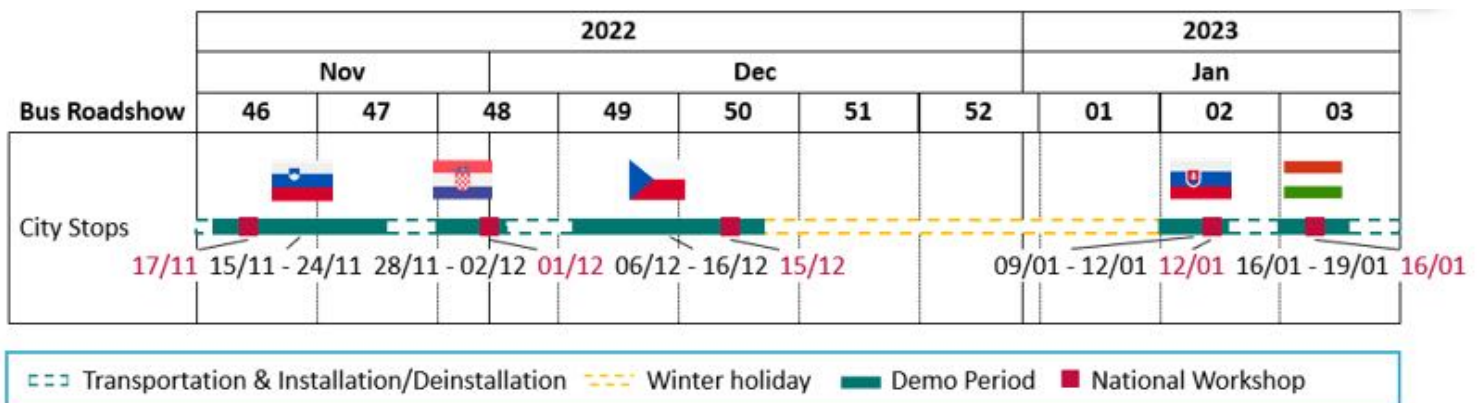
Fuel Cell Buses show an operating range similar to that of a diesel bus (**>350 km**)



JIVE 2 CEE Bus Roadshow



The **JIVE 2 project** is organising a bus tour of cities interested in adoption of hydrogen technology for public services in Eastern and Central European countries. The aim is for relevant local actors to test a demonstration bus to build regional capacity to deploy fuel cell bus technology to expand the sector in the short/medium term.



Timeline of the 1st CEE Bus Roadshow

JIVE 2 project partners involved in the JIVE 2 CEE Bus Roadshow:





Principal support and infrastructure providers for the Jive 2 CEE Bus Roadshow in all locations



The Hydrogen FC bus:

CAETANO



The Hydrogen refueling service:

MESSER 
Gases for Life

