



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Germany Update

35th IPHE Steering Committee Meeting

22 – 23 June 2021

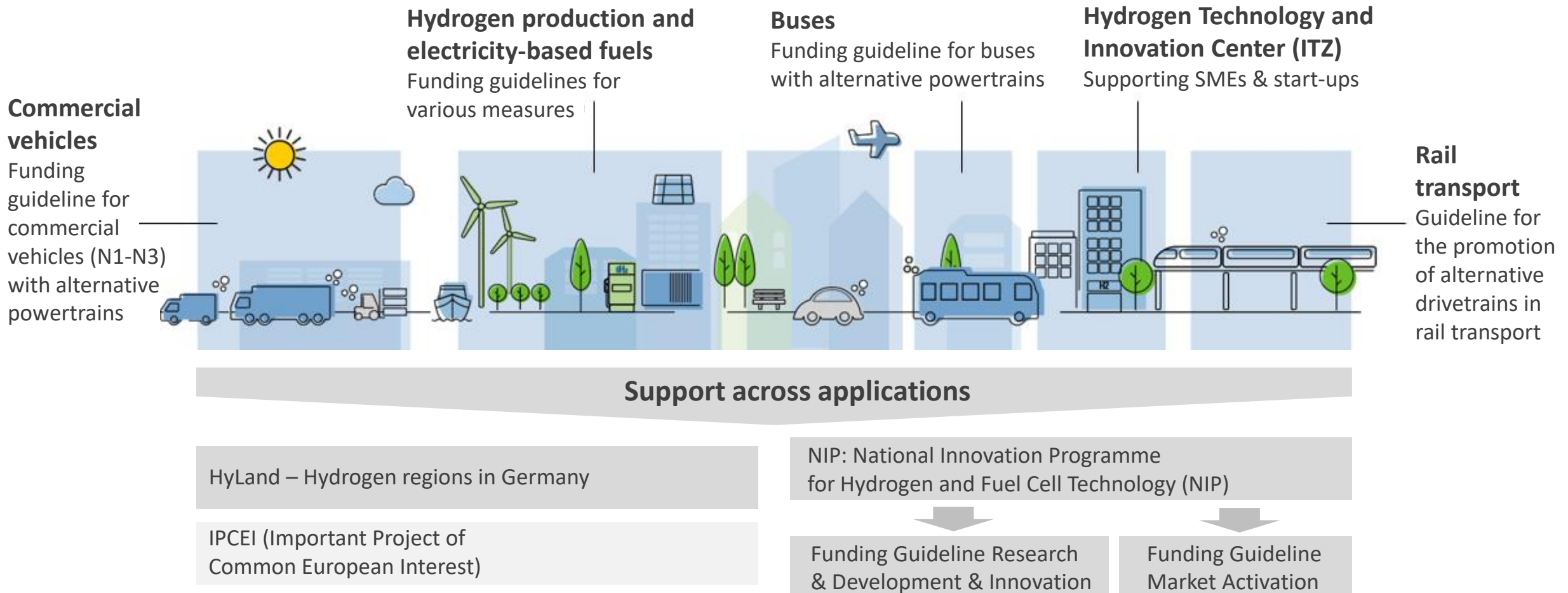
Virtual Meeting

Announcements / New Initiatives **GERMANY**

- **IPCEI:** Germany recommends 62 projects for the EU match making process in the areas:
 - (1) H2-production; (2) H2-industry; (3) H2-infrastructure; (4) H2-mobility.
 - Germany provides EUR 8 billion in support, with the goal to trigger EUR 33 billion investments.
- **H2 Global:** € 900 million of the National Hydrogen Strategy will be available to support the first round of double auctions in the new **H2Global** platform. First supply side auctions are expected to start before the end of 2021.
- **Hydrogen Technology and Innovation Center (ITZ):** The winners (3+1) of the first round competition were announced in April 2021. The Center aims to give SME and start-up an supportive surrounding that is needed for innovative development. The final decision on the location will be published in August 2021.
- **Hydrogen Valleys:** As part of the HyLand initiative an additional 65 expressions of interest to become a HyStarter region were received; and a new call for HyExpert regions was launched in May 2021.

Overview support landscape for hydrogen in mobility

GERMANY



Examples of Lessons Learned and Impact *GERMANY*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<ul style="list-style-type: none"> H2 Refuelling Stations: Currently 91 HRS available and 15 more are under planning or construction. 	<ul style="list-style-type: none"> To increase stations utilisation, from 2021 onwards, HRS will be built primarily where commercial vehicle (350 bar) demand is expected in the short term. Goal to built 400 HRS by 2025 an 1000 HRS 2030 depending on the ramp-up of vehicles. Evaluation of future delivery and financing models for the German HRS network supported by EIB and external consultants. EU Framework for state aid rules need to take the high investment and operating costs along the value chain into account.



Applications – Current Status and Goals **GERMANY**

Application	Status (May 2021)	Goal
Fuel Cell Vehicles (light duty)	1195	n.a.
FC Buses	51	n.a.
FC Trucks	1	n.a.
Forklift trucks	93 plus 242 approved for funding.	n.a.
HRS 70 MPa	91 plus 15 in planning or under construction	100 by 2020
HRS 35 MPa	6	- 400 by 2025 (depending on vehicle roll-out, irrespective of dispenser pressure level) - 1000 by 2030 (depending on vehicle roll-out, irrespective of dispenser pressure level)
Small stationary FC CHP	16,452 units approved for funding (2016 to end March 2021)	n.a.
Small back-up power FC	700	n.a.
Water electrolysis	38 MWel, plus >2 GWel proposed as part of IPCEI	5 GW by 2030

Thank you



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