



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Italy Update

31st IPHE Steering Committee Meeting

10 – 11 April 2019

Vienna, Austria



- Italy has mobilised a total of 98M€ funding from the FCH JU over 140 projects and 100 beneficiaries in 13 years. National programmes are currently funding 5 projects worth 8.5 M€
- No H2-specific bilateral collaborations with other countries: all activity within collaborative projects
- New research & development, demonstration and or deployment activities
 - 3 FC Buses and H2 refuelling station deployed in Sanremo at the end of 2018
 - Bolzano planning 15 FC Buses in addition to current 5 (JIVE & MEHRLIN projects – FCH JU)
 - SNAM (Italian gas TSO) initiates first hydrogen injection in the gas grid
 - Power to gas pilots by ENEA and SGI (Società Gasdotti Italia)
 - ENI announces HRS in Milano (San Donato Milanese)

Examples of Lessons Learned and Impact

Italy



Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<p>National Plan for Hydrogen Mobility, which the Ministry of Economic Development has integrated into the National Strategic Framework for alternative fuels</p>	<ul style="list-style-type: none">• Plan was successfully incorporated in the National Decree in line with the Directive 2014/94 / EU• An actual Implementation Plan is still missing
<p>Article 5 of Legislative Decree 257 ordered to update the technical regulation of fire prevention issued in 2006, outdated in terms of technological progress</p>	<p>Intense work between the Ministry of the Interior, the Central Directorate for Prevention and Technical Safety of the Fire Department and the Hydrogen Working Group of 'Assogastecnici' as well as other stakeholders such as Toyota and H2IT led to the publication on November 5, 2018, of the "Technical regulation of fire prevention for the design, construction and operation of hydrogen refuelling stations for mobility"</p>
<p>National Association H2IT has requested a parliamentary hearing to make its contribution to the Italian Energy and Climate Plan (PNIEC)</p>	<p>Outcome to be determined</p>

Applications - Current Status and Goals

Italy



Application	Status (As of <i>March, 2019</i>)	Goal (For <i>2025</i>)*
Fuel cell vehicles	15	25k
Hydrogen stations	4	140
Fuel cell buses	10	1000
Electrolyzers	20	...
Primary fuel cell power units	15	...
Backup power fuel cell power units	12	...
Power-to-gas	1	...

*Piano Mobilità Idrogeno, 2016

Thank you



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