



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## *Republic of Korea* Update

31<sup>st</sup> IPHE Steering Committee Meeting

10 – 11 April 2019

Vienna, Austria

# Announcements and/or New Initiatives (Republic of Korea)



*Please include only recent announcements or new initiatives since the last IPHE meeting that are related to the following topics. If there are no announcements under a specific topic, please say N/A.*

- **Hydrogen Roadmap Korea announced (Jan. 17, 2019)**
- **KIREC 2019 to be held in Seoul (Oct 23-36, 2019)**
- **Follow-up action plans in progress including research & development, demonstration and/or deployment related to hydrogen economy**
- **Two major companies announced to quit fuel cell development and/or business, leading to potential restructuring including some international JV activities**
- **Lawmaking in progress to support Hydrogen Economy in Korea**

# Examples of Lessons Learned and Impact

## (Republic of Korea)



Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<p><b>Hydrogen Roadmap Korea</b></p>	<ul style="list-style-type: none"> <li>• Effective multilateral collaborations taking place between government ministries and government agencies for <b><i>policy coordination</i></b></li> <li>• Long-term targets: FCEV, HRS, FC (CHP), H2 supply &amp; price</li> <li>• Phase shift in HRS installation <b><i>from demonstration to deployment</i></b></li> </ul>
<p><b>H2KOREA</b></p>	<p><b><i>Public-private partnership</i></b> finally brought an outcome, a special purpose company called <b><i>HyNet</i></b>, aiming at building and operating 100 sites of HRS by 2022 (national target: 310)</p>
<p><b>Hydrogen Law</b></p>	<p>Lawmaking to support Hydrogen Roadmap in long term by parliament is under way and <b><i>expected to be passed by June</i></b> this year. At least 8 bills covering broad spectrum are under consideration and had gone through several public hearings</p>

# Applications - Current Status and Goals

## *(Republic of Korea)*



Application	Status (As of Dec, 2018)	Goal (For 2022)
Fuel cell vehicles	889	79000
Hydrogen stations	17	310
Fuel cell buses	2	2000
Electrolyzers	<i>Insert number</i>	<i>Insert number</i>
Primary fuel cell power units	307 MW ( <i>cum. capacity</i> )	1 GW ( <i>cum. capacity</i> )
Backup power fuel cell power units		
<i>Others applicable to your country (examples: Power to gas, rail, marine, trucks, etc.)</i>		

# Thank you



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