

Driving clean energy Forward

# **FCHJU Stake Holders event**

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#### Hydrogen, the key driver of the energy transition Why Hydrogen? It can help mitigate all these challenges Decarbonize end uses \_\_\_\_\_ Enable the renewable energy system \_\_\_\_\_ Decarbonize transportation Distribute energy Enable large-scale across sectors and renewables integration regions and power generation Decarbonize industrial energy use Help decarbonize building heat and power Act as a buffer to increase Serve as renewable system resilience feedstock

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## The impact of Hydrogen is colossal

### Hydrogen can benefit the energy system, environment and economy

Estimated impact in 2050



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### Hydrogen: a solution already competitive



- H<sub>2</sub> production is already profitable for Mobility and Industry markets, and is expected to become even more profitable with the decrease in both Capex and cost of power (even in taking into account the decrease in selling prices)
- McPhy is introducing very large platforms that are able to produce H2 at €2/kg and therefore offering competitive and decarbonized alternative to steam reforming of natural gas







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# **Thank You**

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