

SESSION 2: HYDROGEN AS LINK BETWEEN ELECTRICITY AND GAS MARKETS

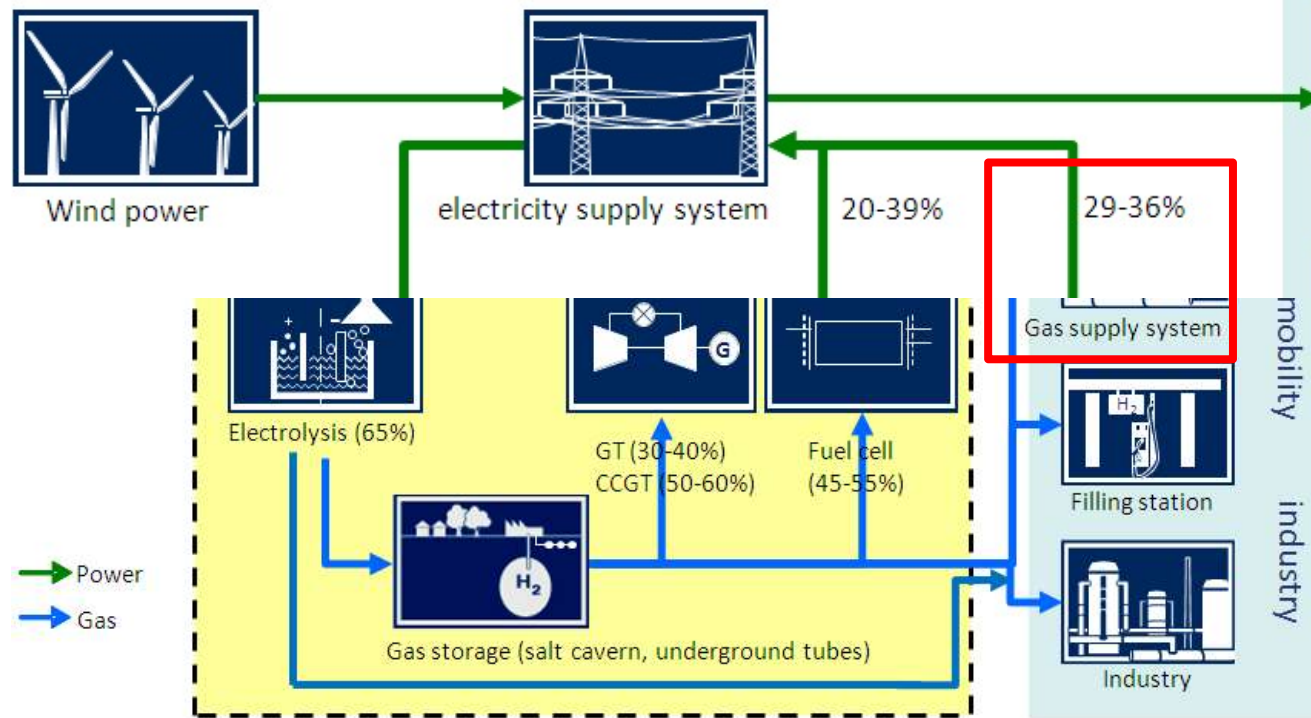
- Centralized H2 production facilities
- Distributed H2 production
- Challenges / Open questions?



Project achievements: Vision

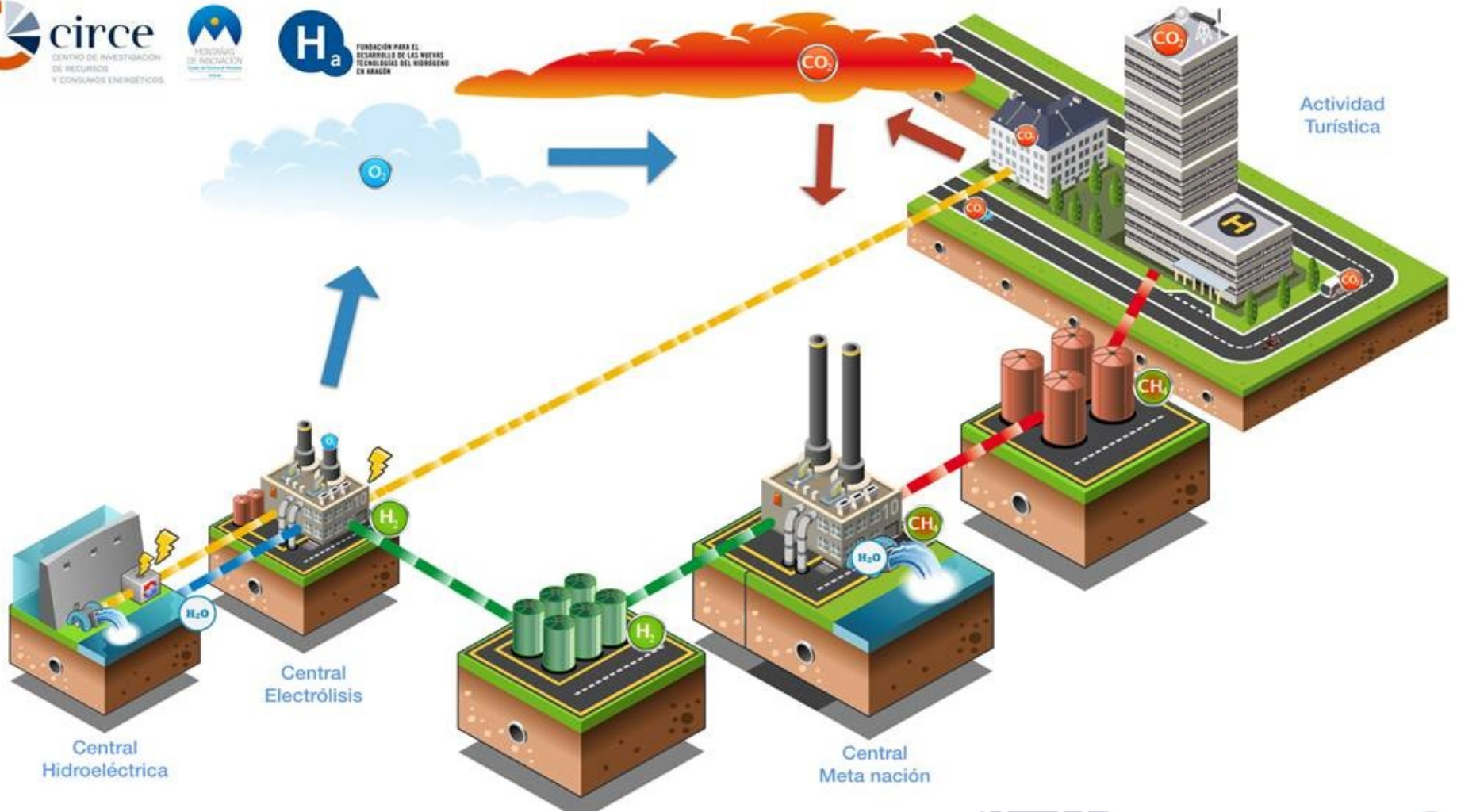


Electricity-to-gas for re-electrification, as transport fuel and for material use: E-Hydrogen

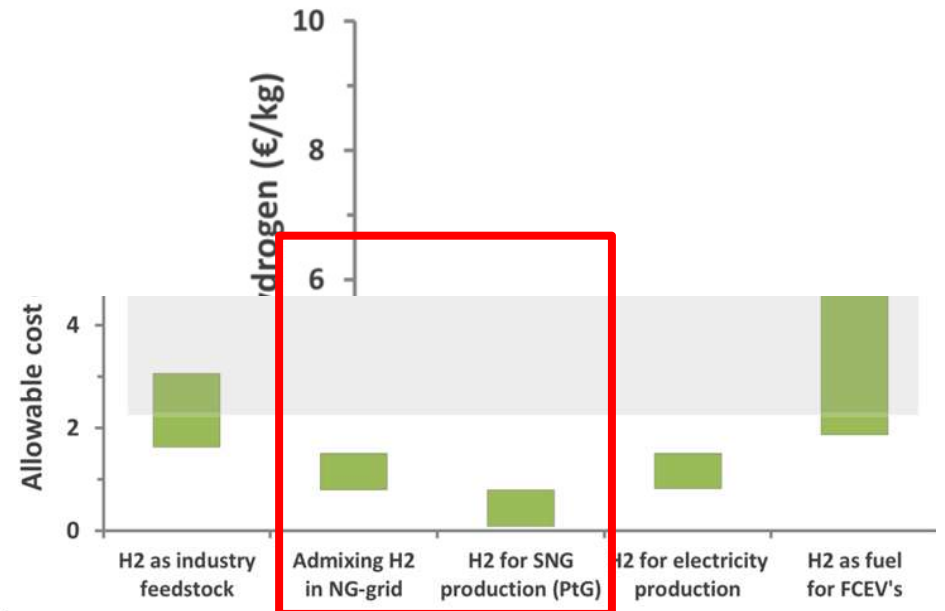
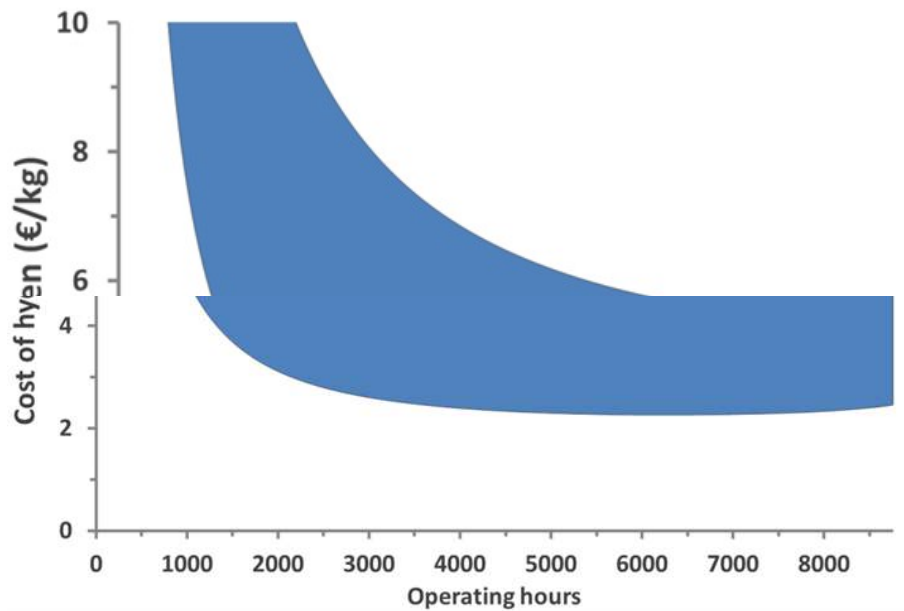


Source: Ludwig-Bölkow-Systemtechnik GmbH





Comparison of cost of hydrogen for electrolysis with the allowable cost of hydrogen for various applications.



CHALLENGES / OPEN QUESTIONS

- Is Power to Gas a technology to stay? Or just a transition to deploy the hydrogen production infrastructure minimizing economic losses?
- Are the technical challenges already solved?
- Can be the Power to Liquid application a better approach to reach markets like transport (maritime, railway)?



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

