



The European policies on hydrogen sector to create a new energy market in Europe

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The recent European policies are starting to move hydrogen technologies out of the laboratories and the research to the real scale application. REPOWER EU is indicating a final consumption of hydrogen at 2030 of 20 million tons.

There is a tentative plan to rapidly create a new market with all the difficulties to have in place at one time the manufacturing capacity, the whole value chain from production to logistics and storage to end uses in the different sectors.

There are indeed several open challenges from the research point of view that are related to the use of critical raw materials (CRMs), design of next generation technologies as well as support to incremental innovation to rapidly meet the required technology conditions and performances at the industrial side.

It will be represented the continuous need of funding low TRL research, open innovation infrastructures and a new collaboration framework between research institutions and the private sector.