

'22

PORTUGAL
RENEWABLE

ENERGY

SUMMIT



APREN Associação
de Energias
Renováveis



Anna Momotova

Renewable Hydrogen Coalition

EU Policy Manager

**EU and Renewable
Hydrogen: value chain
approach and bottlenecks**

*“Before we position hydrogen as the solution to climate change, we first have to deal with **hydrogen** as a problem in climate change”*

Michael Liebreich, founder of Bloomberg NEF





**Renewable
Hydrogen Coalition**

Promotes the critical role of renewable hydrogen to deliver EU's long-term decarbonisation goals

01

Give a voice to renewable hydrogen industry in Europe

02

Build an interdisciplinary network of investors, entrepreneurs & industrial off-takers

03

Inform the policy debate with concrete proposals for the scaling up & uptake of RH2

04

Position Europe as global leader in renewable hydrogen



EGHAC

European Green Hydrogen
Acceleration Center

**A Coalition
with a
growing
number of
supporters**

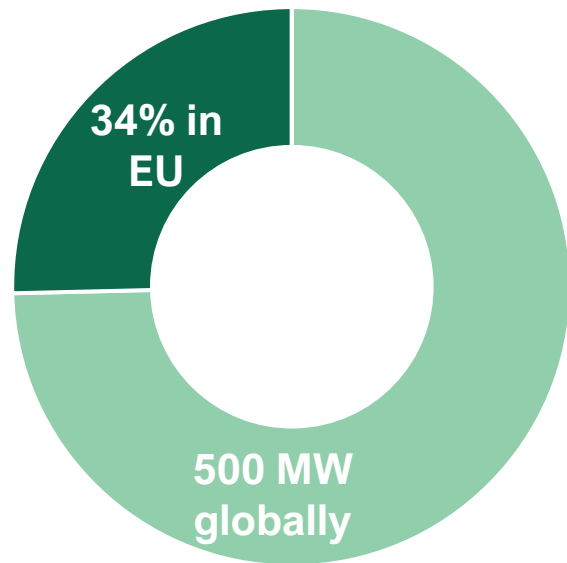
In collaboration with

Renewable hydrogen deployment today



**Installed electrolyser
capacity grew about 80%
from 2020 to 2021 globally**

Source: ([Hydrogen Council, 2022](#))



**Installed electrolyser
capacity**

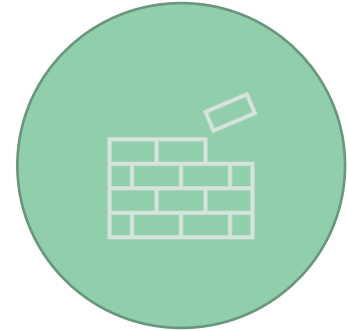
Renewable hydrogen deployment tomorrow in Europe



17.5 GW annual
electrolyser
manufacturing capacity
by 2025 in Europe



90-100 GW installed
electrolyser capacity
by 2030 to produce
10mt



8 Mt of RH₂ would
displace **27bcm** of
natural gas, remaining
2Mt replace oil and
coal



REPowerEU

20Mt

renewable hydrogen by 2030



Success recipe



**Boost the
supply for RH2**

Massively deploy
renewables
Establish enabling
definitions

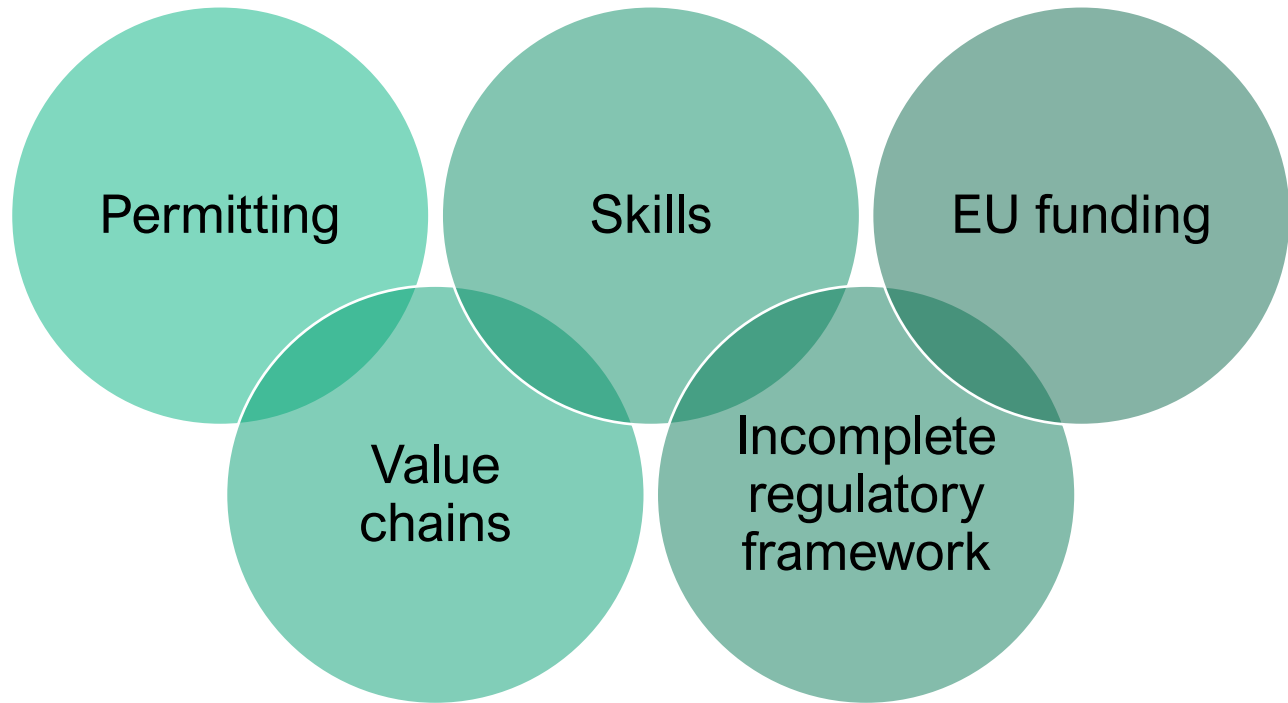
**Create the
demand for RH2**

Set binding ambitious
demand targets in priority,
hard-to-electrify, sectors

**Bridge the cost-
gap for RH2**

H2 Bank
Set support
instruments

The five bottlenecks to tackle urgently



'22 PORTUGAL RENEWABLE ENERGY SUMMIT



Obrigado!
Thank you!