

# Hydrogen Europe's plan for accelerating European hydrogen industry

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# Timeline

2017-2019

- RED2 approved (Non-ambitious 2030 targets (32% RES, +40% CO2 emissions))
- Clean Energy Package (Establishing the market, allowing for more RES)

2020

- Hydrogen Strategy (2x40 GW; 1 Mt by 2024, 10 Mt of renewable hydrogen by 2030)
- Recovery & Resilience Plan

2021

- Climate law (Net zero by 2050)
- Fit for 55 (55% GHG, 40% RES, RFNBO binding targets in industry and transport)

2022

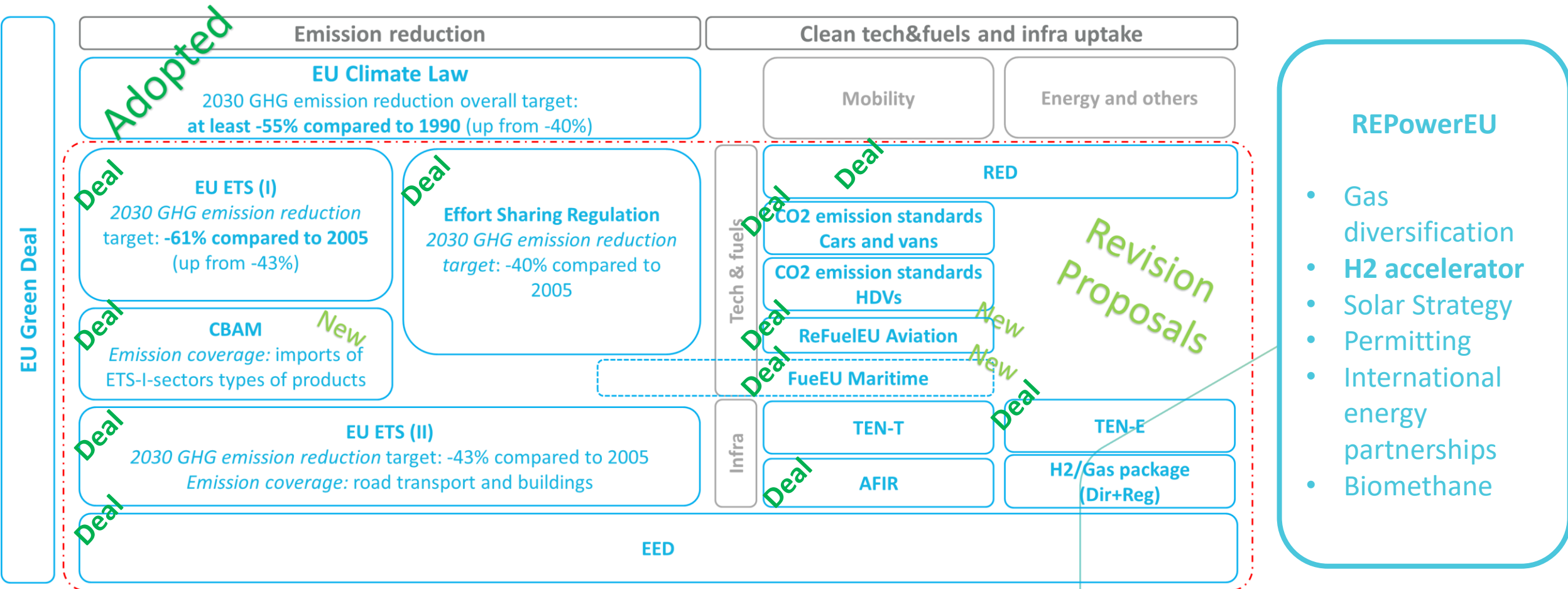
- REPowerEU (Boost for Fit455 (RED3 + RED4, Joint purchasing, etc.) & 2x10MtH2)
- Innovation Fund (large scale call, 3bnEUR, H2 IPCEIs approval )

2023

- H2 Bank (support to commercial H2 projects, 3bnEUR?)
- Critical Raw Materials Act and Net Zero Industry Act

# The EU Policy landscape

A Fit for 55 Package: making the EU fit to reach its 55% GHG emission reduction goal by 2030



Main energy and climate legislation and proposals relevant for hydrogen published or proposed in 2020 to 2022 (Source: Hydrogen Europe)



# The policy background for clean hydrogen use



## Gas Package

Regulation and Directive, setting the basis for gases definitions and infrastructure.

**By end 2023**



## ETS & CBAM

Establishes a scheme for GHG emission allowance trading within the EU.

**Adopted**



## Critical Raw Materials Act

EU legislative framework on re-building European industrial capacities on critical raw materials and rare earths.

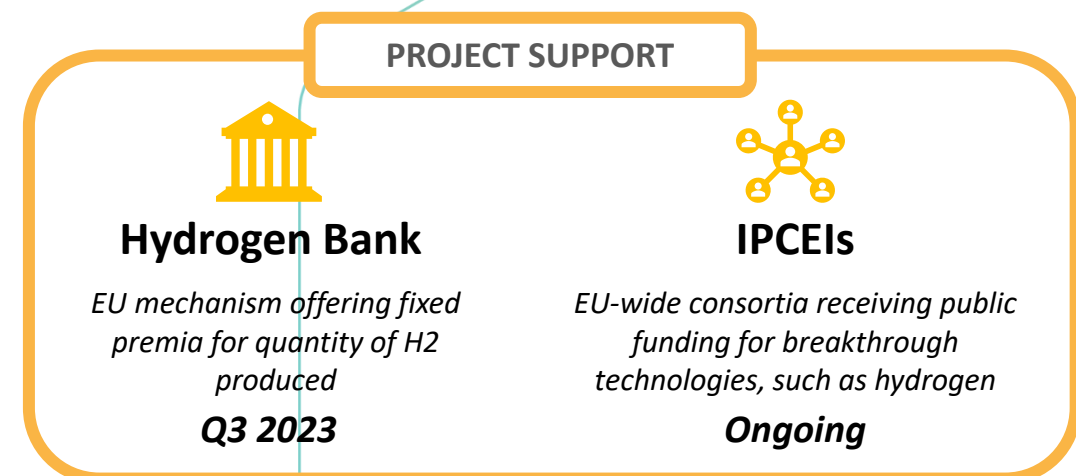
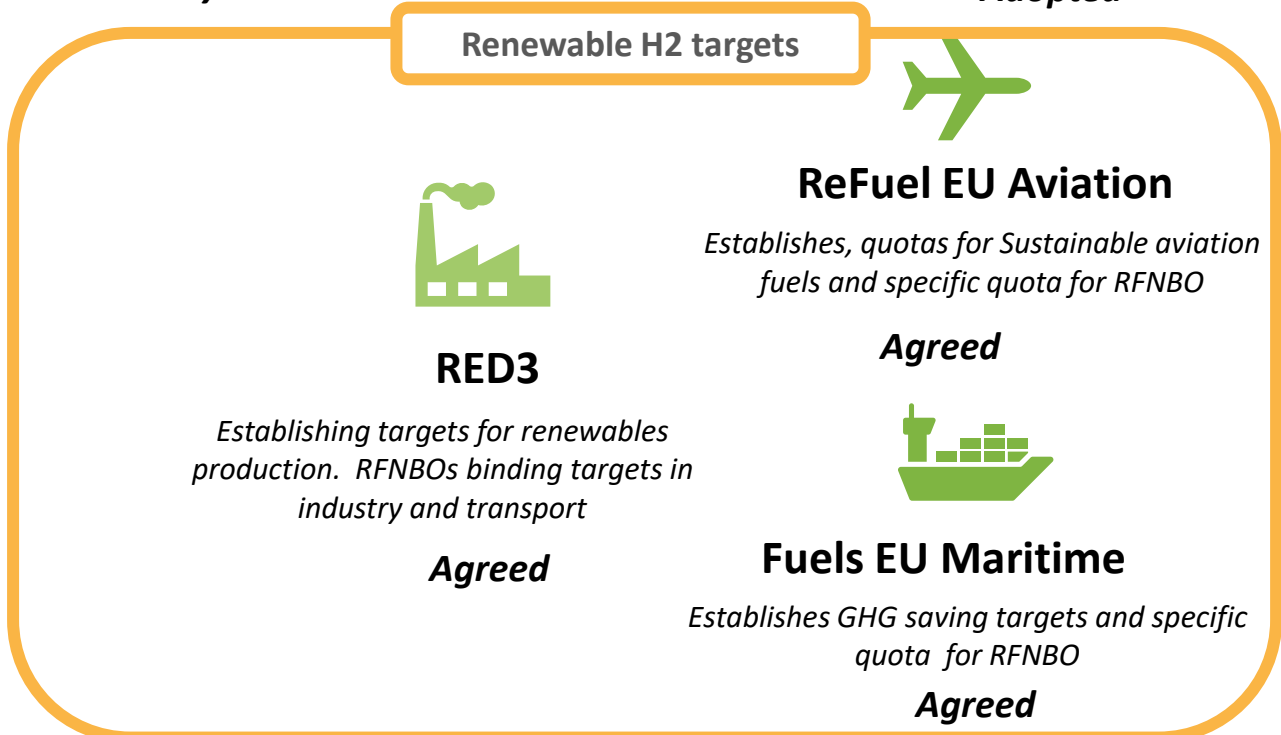
**Ongoing 2023**



## Net-Zero Industry Act

Response to the US Inflation Reduction Act, Hydrogen is considered a strategic technology.

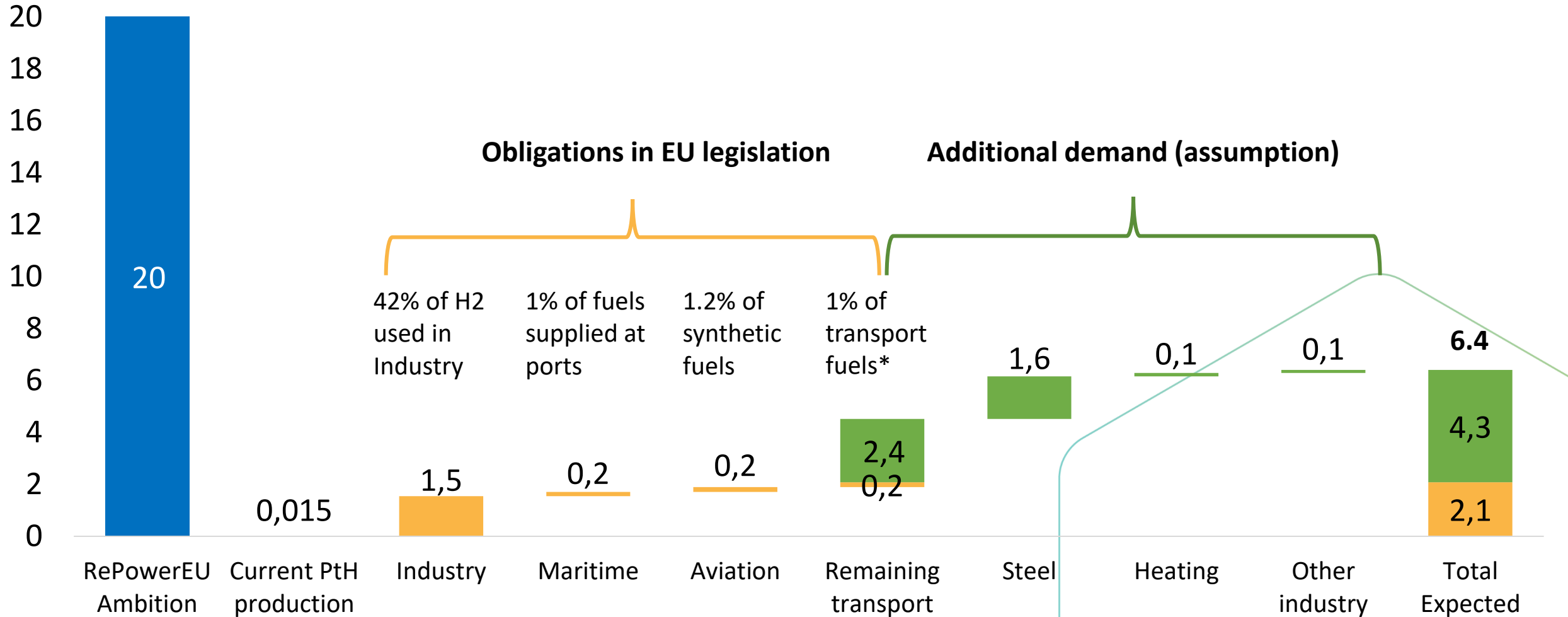
**Ongoing 2023**



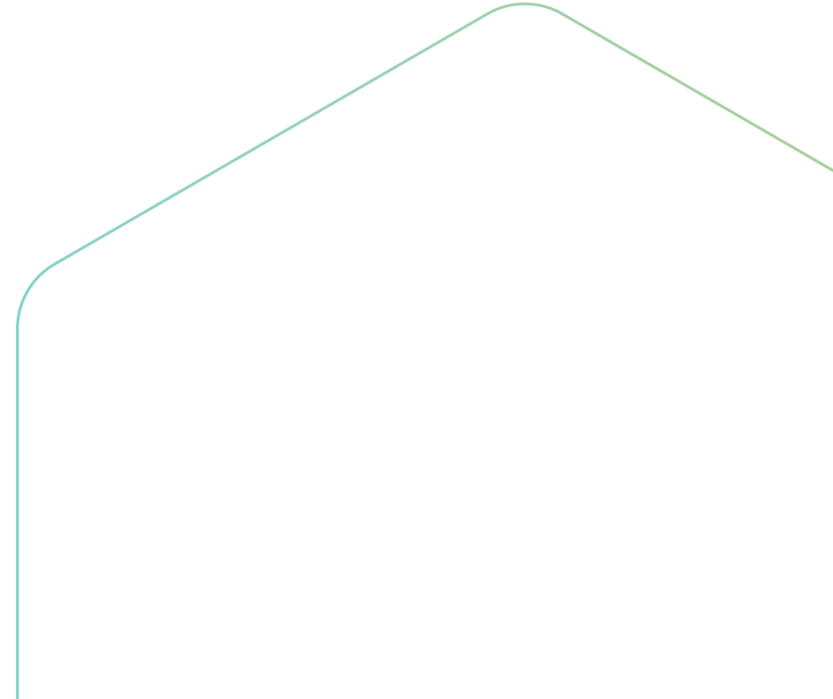
# Political ambition under test...

Latest RFNBO targets compared to RePowerEU ambition (ongoing assessment)

H2 Mton in 2030



\*1% RFNBO in transport fuels with a x2 multiplier - i.e. effectively 0.5% RFNBO share



# Thank You



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