



# 5<sup>th</sup> meeting HyENet Hydrogen in the Recovery and Resilience Plans

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*28 May 2021*

# Recovery and Resilience Facility – How does it work?

- Financial support for the recovery from the crisis (€750bn of grants and loans)
- Open to all interested Member States
- Based on national RRP (Recovery and Resilience Plans) to be submitted as a rule by 30 April 2021
- RRP need to
  - Include reforms and investments in line with EU priorities
  - Ensure measures ‘do no significant harm’
  - Contribute to the green transition and dedicate at least 37% of the funding to climate action
  - Other considerations: State aid, tagging, Milestones and targets

# Hydrogen in the RRF framework

- Hydrogen features in the ‘Power Up’ flagship (Guidance to Member States):
  - *Power up: Support the building and sector integration of almost 40% of the 500 GW of renewable power generation needed by 2030, **support the instalment of 6 GW of electrolyser capacity and the production and transportation of 1 million tonnes of renewable hydrogen across the EU by 2025.***
- Approach in line with the EU Hydrogen Strategy (July 2020)

# Hydrogen in the RRP

- Half of the MS propose hydrogen-related measures in their (draft) RRP
- Order of magnitude ~€10bn (public sources)
- A balanced mix of measures inside vs. outside the possible use of the IPCEI framework
- Most measures focus on renewable hydrogen
- Compliance with DNSH (see Technical Guidance)
- Often a full value chain approach – five categories of projects:
  1. Reforms: Creation of a legal framework to achieve capacity
  2. R&D/demonstration projects (e.g. creation of complete hydrogen circuits from production of green hydrogen to final consumption)
  3. Production: essentially construction of electrolysers using renewable energy of from the grid
  4. Transmission/distribution: construction of distribution networks, storage facilities, equipment for refuelling / charging points
  5. Applications in end-use sectors, esp. industry and transport

# Main takeaways

- The RRF is clearly contributing to frontload hydrogen projects
  - But:
    - Hydrogen measures still under finalisation for some MS
    - In most cases IPCEI not yet mature enough to include detailed projects in RRP
    - Capacity promised may seem overestimated for some MS
    - Challenging to finalise operational sets of milestones and targets
- COM still working closely with MS to improve/finalise these measures**