



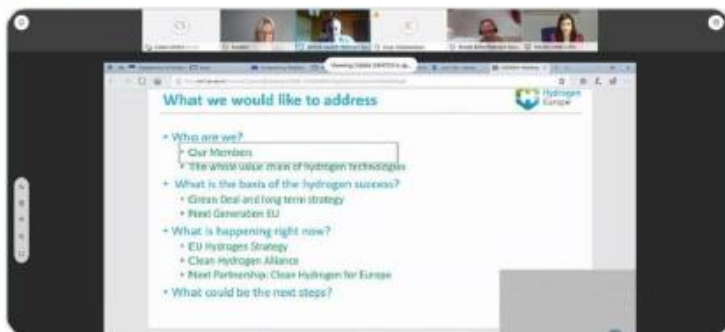
Hydrogen Europe

General Assembly Meeting
Brussels, 01.07.2020

Welcome by President

Mariya Gabriel @GabrielMariya · Jun 11
Thank you @H2Europe for our discussion on the role of #hydrogen in future.

Europe is a leader in fuel cells & hydrogen #technologies & we need to further promote a dialogue between the industry and R&I community for #cleanenergy #transition.
@EU_H2020



1 11 40

Kadri Simson @KadriSimson · May 5
Participating @H2Europe-GEODE event "Towards the New Age of Gas Networks". The only way for gas system to have a role in the energy mix beyond 2050 is to decarbonise. #Hydrogen has potential to be a game-changer, especially for powering the hard-to-decarbonise sectors #EUGreenDeal



You and 2 others
1 25 60

Frans Timmermans @TimmermansEU · Apr 6
While together we're combating covid-19, we also have to work towards a green recovery. #Hydrogen has a crucial role to play in the transition and this is where the EU can & must lead. It was great discussing 'how' with @H2Europe #EUGreenDeal @KadriSimson

544 253 530

Hydrogen Europe @H2Europe

We would like to thank EVP @TimmermansEU, Commissioner @KadriSimson, Minister @aziz_rabbah and the 14 CEOs that joined the conversation today on #hydrogen's crucial role in the #energytransition and #recoveryplan. Looking forward to working all together!



Energy4Europe and European Commission #UnitedAgainstCoronavirus

The rise of hydrogen to top of the political agenda



93% of the EU population seeing climate change as a serious problem

72% agreeing that reducing fossil fuel imports can increase energy security and benefit the EU economically

 **Frans Timmermans**  @TimmermansEU · May 28
Clean hydrogen is one of the top priorities in our energy transition. Europe is, and can remain, a world leader if we get our investments right.
[#GreenRecovery](#) [#EUGreenDeal](#)



"A different growth model is possible. I see the climate transition as a huge opportunity for the European economy...we have the technologies...just think of hydrogen..."

@Business Europe Day, March 2020



"Never before in Europe have we seen such a level of interest about hydrogen as we have today. The reason is twofold: we need hydrogen to achieve climate-neutrality and we should use this opportunity to invest in the clean energy technologies, to restart the economy and promote innovation after the devastating economic effects of the COVID crisis."

@Global Hydrogen Forum 2020, June



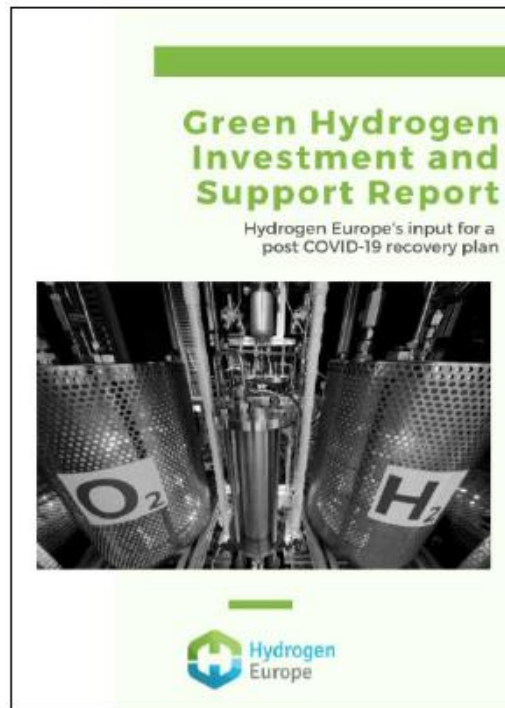
Engaging and influencing the political process (1)

VISION



Produce 40GW in Europe and 40GW in neighbouring countries by 2030.

COST



€430bn in funds are needed to kick start the hydrogen economy.

COMMITMENT

90+ Hydrogen Europe CEOs ready to support Clean Hydrogen Alliance

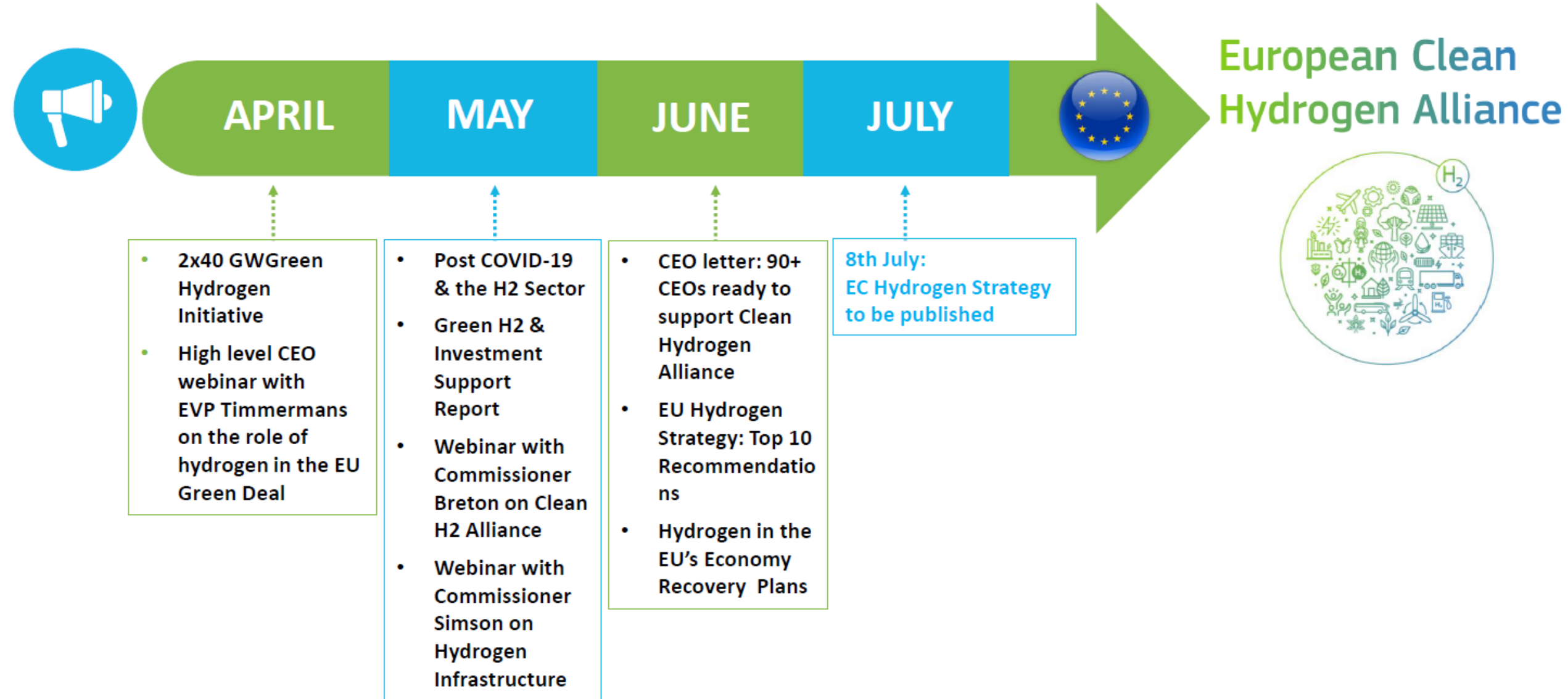


RECOMMENDATIONS

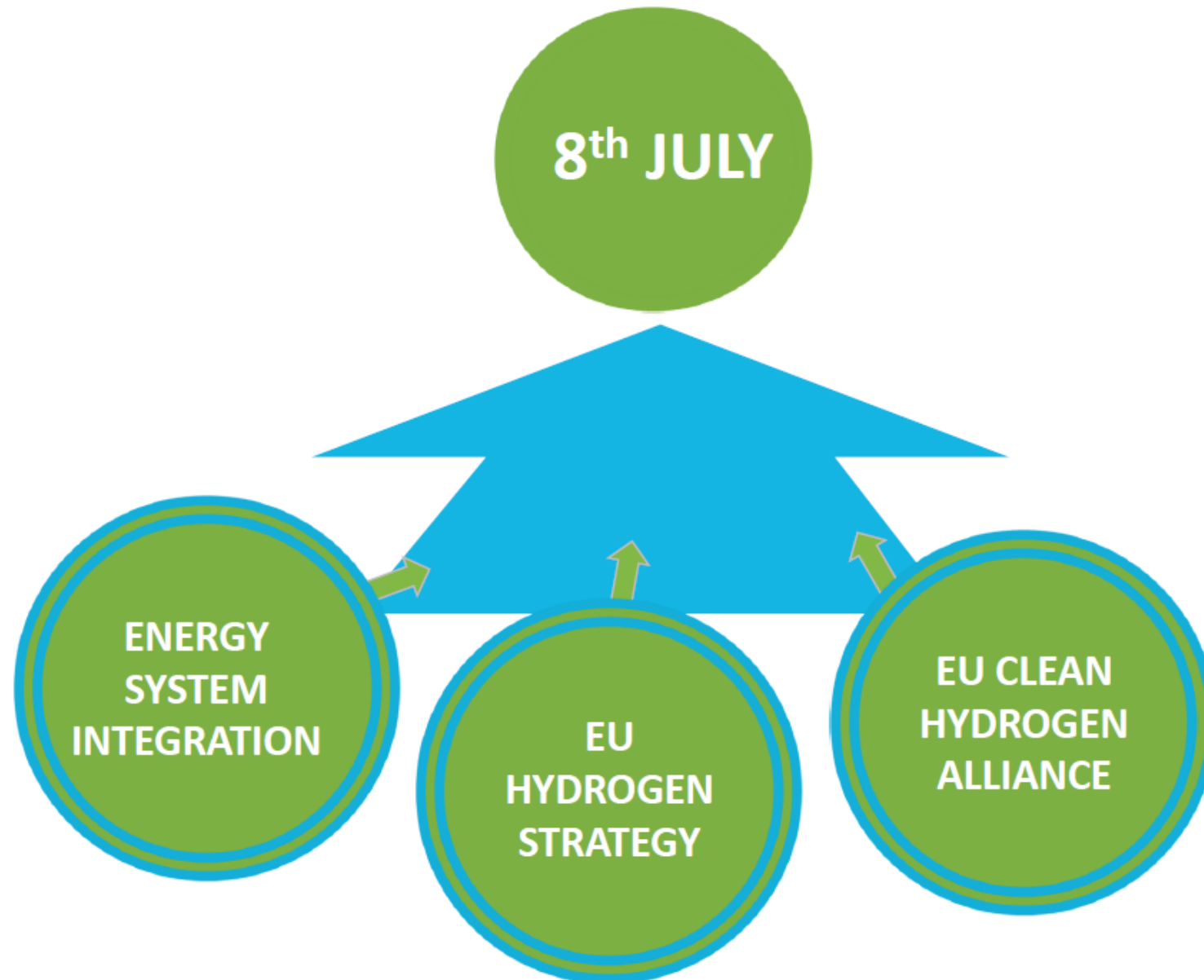


Input to the Hydrogen Strategy: providing an enabling regulatory framework at EU level.

Engaging and influencing the political process (2)



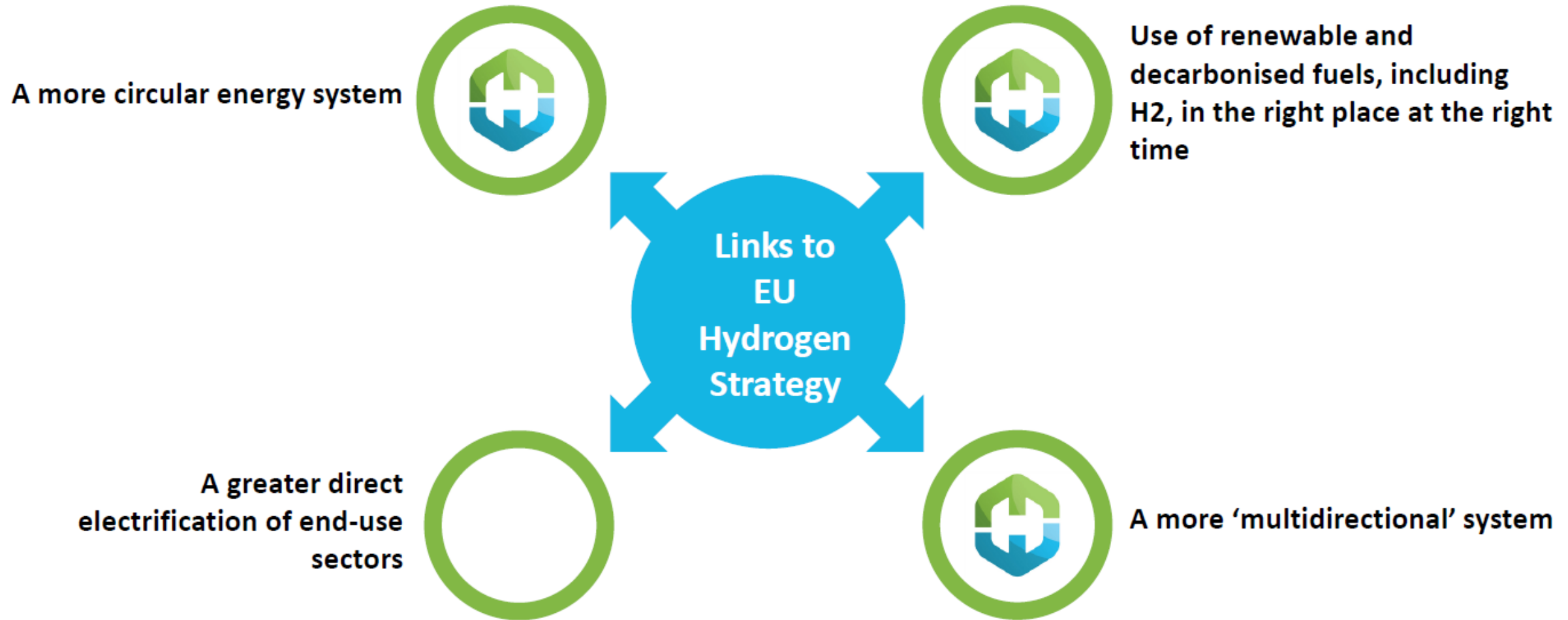
3 important upcoming EU initiatives



European Clean
Hydrogen Alliance



Upcoming EU initiatives: Energy System Integration



Upcoming EU initiatives: Hydrogen Strategy

1

Define an EU wide terminology for renewable and low carbon hydrogen together with a methodology to calculate life cycle greenhouse gas emissions in order to enable a functioning clean hydrogen economy

2

Establish the principle of CO₂ as the new "currency" of the energy system

OUR
RECOMMENDATIONS



Upcoming EU initiatives: Hydrogen Strategy

OUR RECOMMENDATIONS

3

Promote and support hydrogen market stimulation programs including quotas/targets, dedicated programs and support schemes



4

Enable a competitive hydrogen economy by clarifying the market design and supporting sectoral integration



Upcoming EU initiatives: Hydrogen Strategy



OUR RECOMMENDATIONS

5

Revise the Trans-European Networks for Energy (TEN-E) Regulation to support the development and roll out of hydrogen networks

6

Revise the directive for the Deployment of Alternative Fuels Infrastructure (DAFI) to boost the use of hydrogen in the mobility sector

Upcoming EU initiatives: Hydrogen Strategy

OUR RECOMMENDATIONS

7 Support for a strong, effective and all-encompassing Clean Hydrogen for Europe Partnership

8 Remove undue barriers to hydrogen production and hydrogen infrastructure



**PUBLIC
PRIVATE
PARTNERHSIPS**

Upcoming EU initiatives: Hydrogen Strategy



OUR RECOMMENDATIONS

9

Unlock hydrogen's potential by leveraging innovative financial instruments

10

Launch the Clean Hydrogen Alliance and establish hydrogen as a key element in global EU climate diplomacy and neighbourhood policy

European Clean Hydrogen Alliance



Clean Hydrogen Alliance: Background

**Political momentum for clean H2 & CHA
highlighted by EU Recovery Plan**



**Objective to kick-start a clean hydrogen economy
as one of the levers of decarbonisation, energy sovereignty
and job creation**



**The CHA is the key tool to allow hydrogen scale up and deliver on the
urgent climate and economic European challenges**

Clean Hydrogen Alliance: Mission

Bring together all relevant stakeholders in the hydrogen value chain

- to go to hydrogen large-scale production and deployment projects, &
- support the creation of a sustainable & competitive hydrogen ecosystem in Europe





Deliverables

- Pipeline of **large-scale investment projects** in the clean hydrogen ecosystem
- **Roadmap addressing the main bottlenecks** for the scaling up of clean hydrogen in the EU (*procedures, standards, technology development, regulations*)

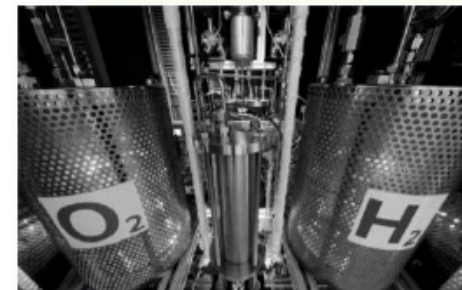


Keys of success

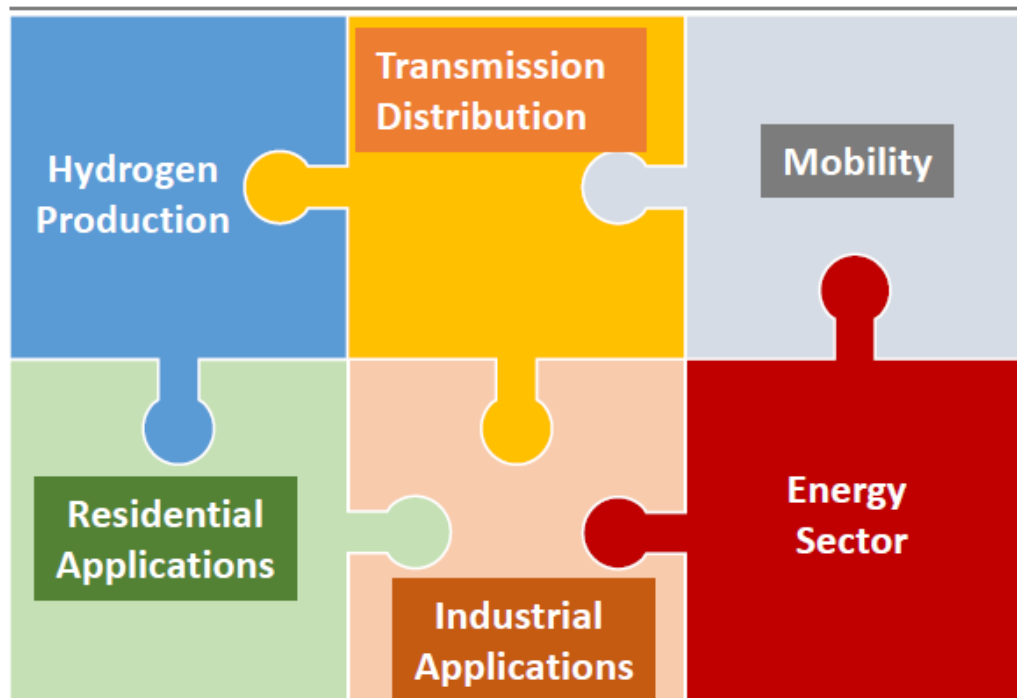
- **Leadership of industry** (*business opportunities, technology leadership...*)
- Ambitious vision of a **European h2 backbone for 2030** (*2x40 GW, IPCEIs & missing links*)
- **Strategic advice on case by case approach & tailored financial and investment support** (*Green Hydrogen Investment and Support Report*)
- Integration of **experience in the legislative making process**

Green Hydrogen Investment and Support Report

Hydrogen Europe's input for a post COVID-19 recovery plan



Clean Hydrogen Alliance: Governance



6 CEO-led Roundtables



Steering Committee



EVP/Commissioners, CEOs Co-chairs of each pillar, Council Presidencies, Regional ministers, Civil Society, Expert organisations

Annual EU H2 Forum

Policy Makers Platform (MS)

