

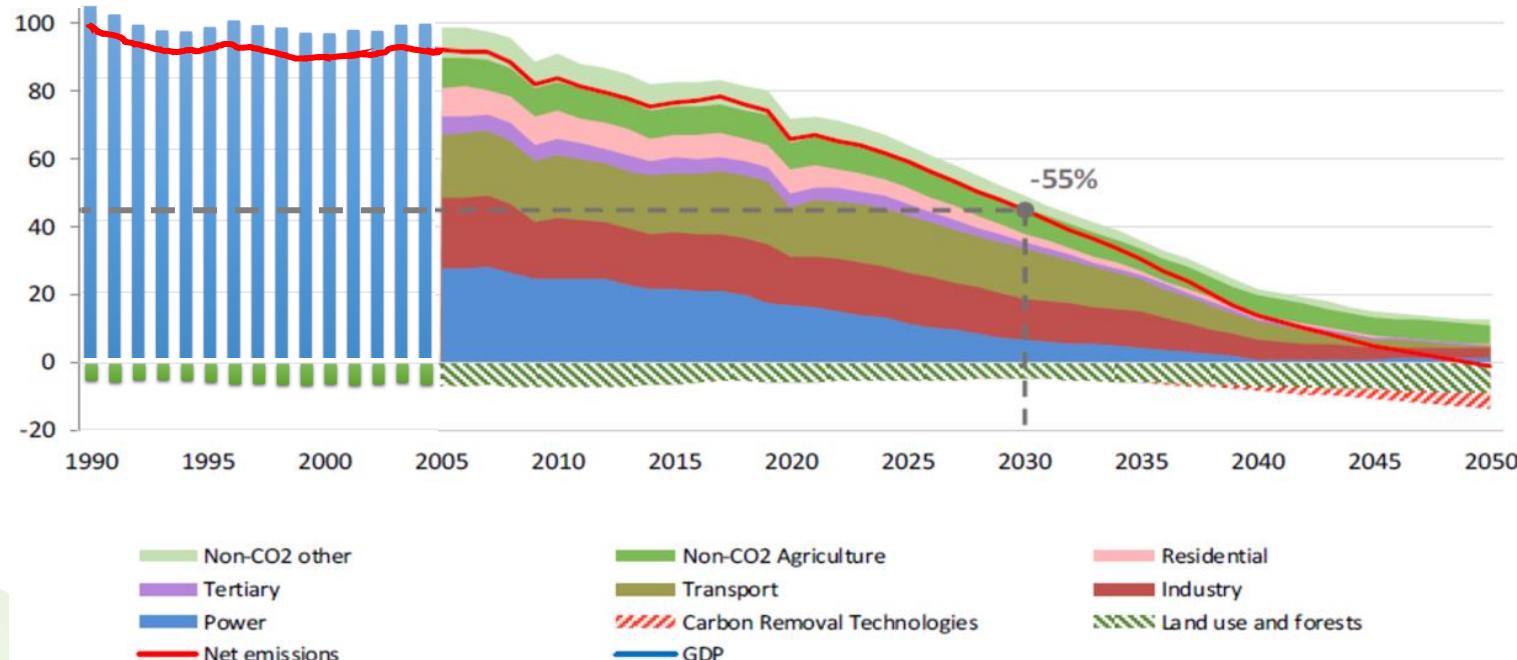
Low-Carbon Fertilizers – EU Regulatory Context

Overview of EU Regulatory Drivers and Enablers
of the transition towards low –carbon fertilizers

By Theo Paquet

Green Ammonia Officer

EU and Climate Neutrality



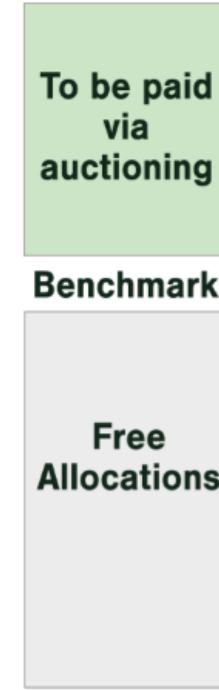
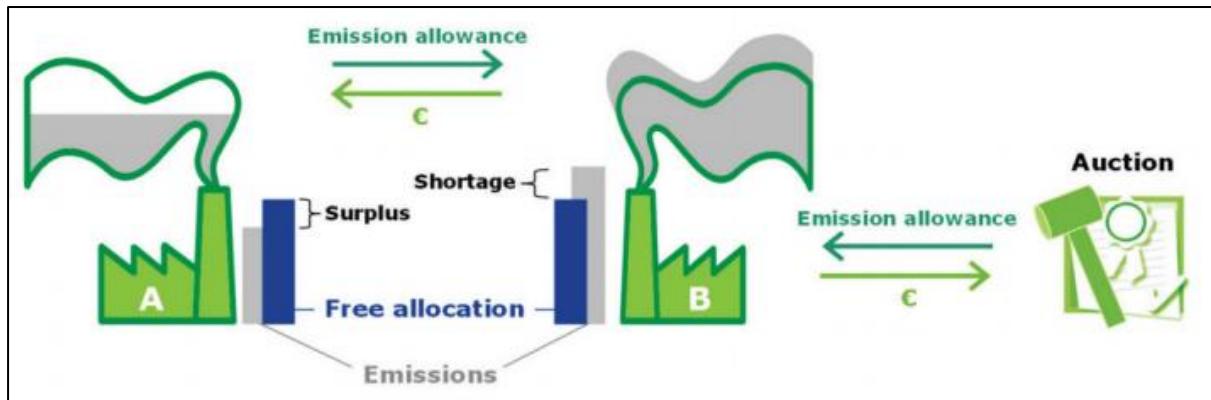


1.

Regulatory Drivers

What EU policy are in place or being developed to drive the decarbonization of the EU fertilizer industry?

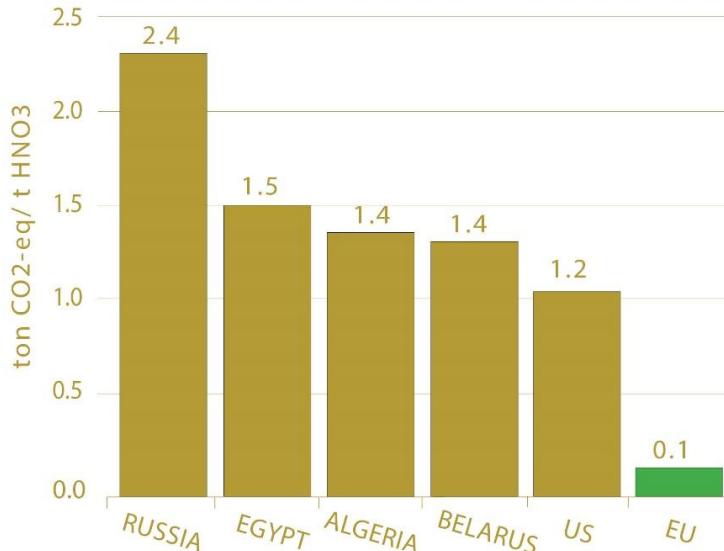
CARBON MARKETS are big drivers for emission reduction



EU Fertilizer industry's excellent record in decreasing industrial emissions

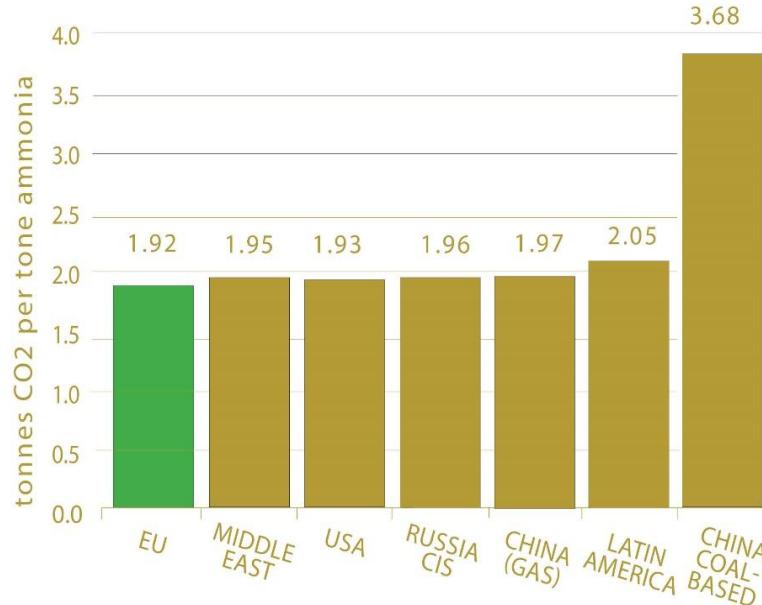


EU fertilizer industry's excellent record in decreasing nitric acid GHG emissions



Source: Fertilizers Europe

Ammonia efficiency industry reaching technical limits



Source: Fertilizers Europe

Paradigm Shift – Binding renewable hydrogen targets



2030 TARGETS

40GW of renewable hydrogen electrolysers in the EU



10 million tonnes of renewable hydrogen produced in the EU



TRANSPORT



2.6%

for renewable fuels of non-biological origin

REVISED RENEWABLE ENERGY DIRECTIVE

The revised Renewable Energy Directive promotes the use of renewable hydrogen:

- Extending the **EU-wide certification system** for renewable fuels to include hydrogen
- Decarbonising industry and heavy-duty and long-distance transport, with concrete targets

INDUSTRY



50%

renewable share in hydrogen consumption

Current political context

Renewable/Low carbon hydrogen

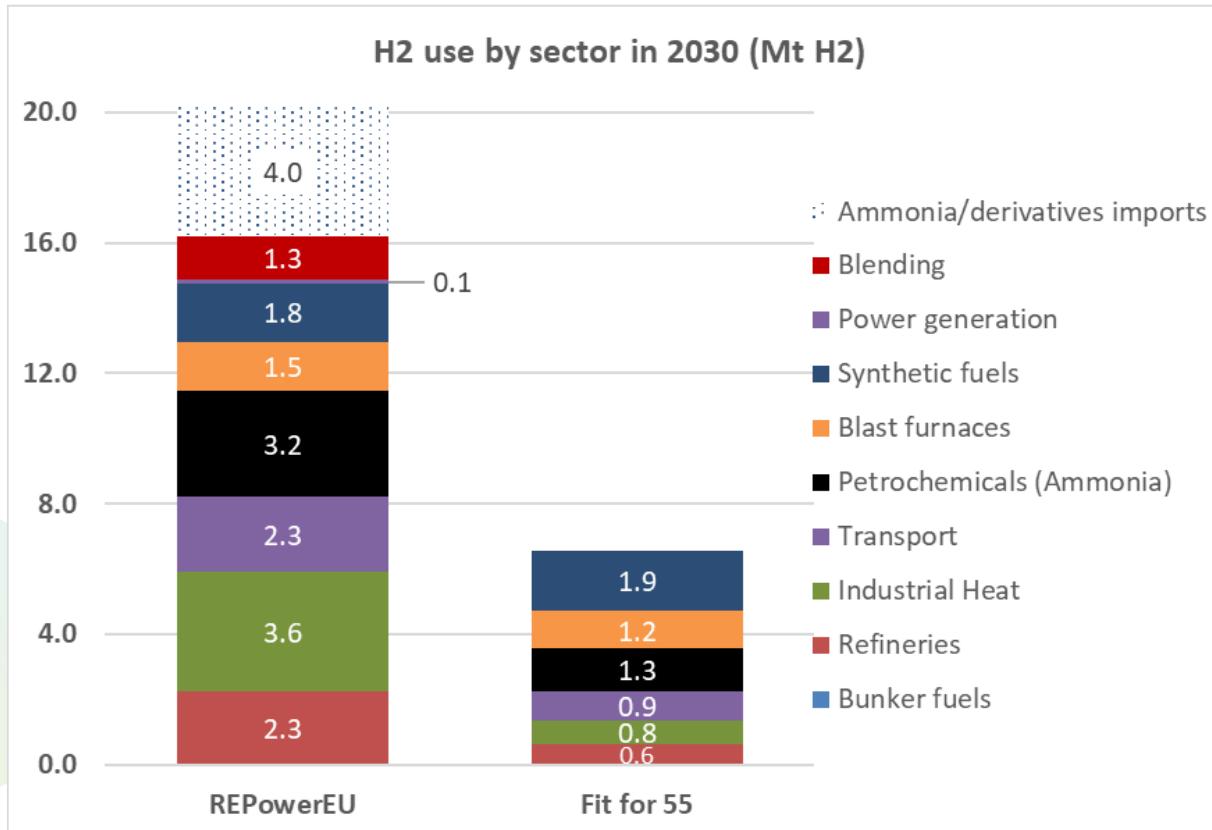


Renewable/Low carbon ammonia

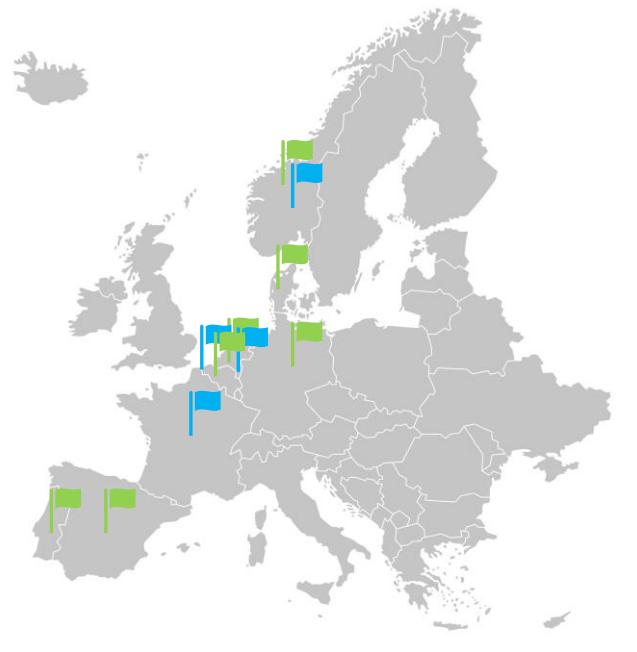
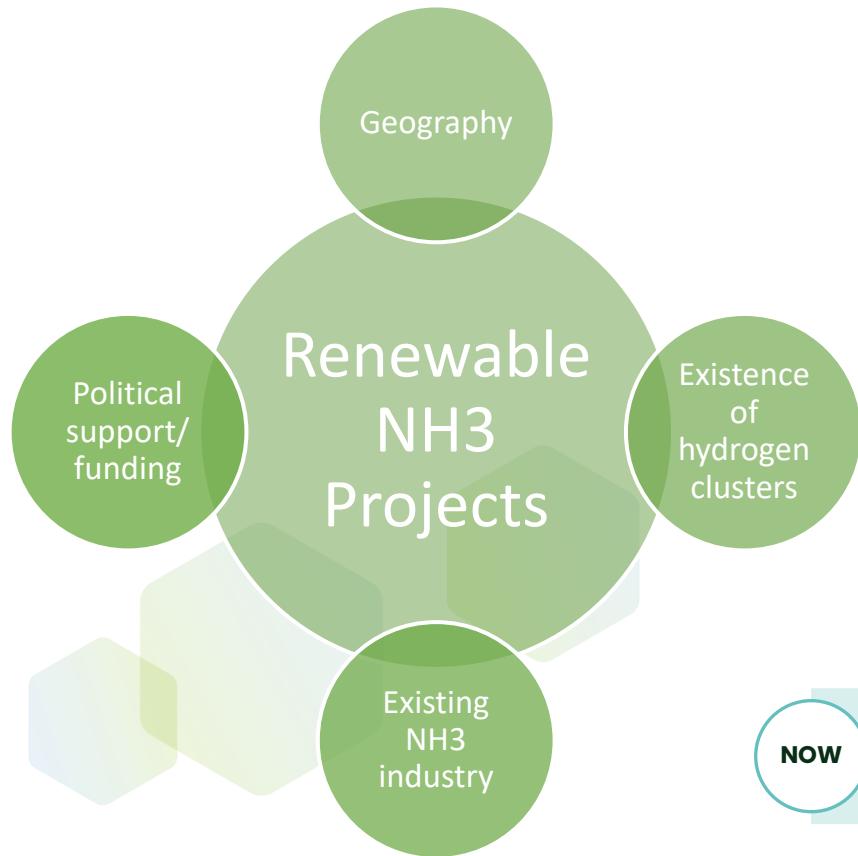


Low carbon fertilizers

Paradigm Shift – Binding renewable hydrogen targets



EU aims to take the lead in the new global hydrogen economy

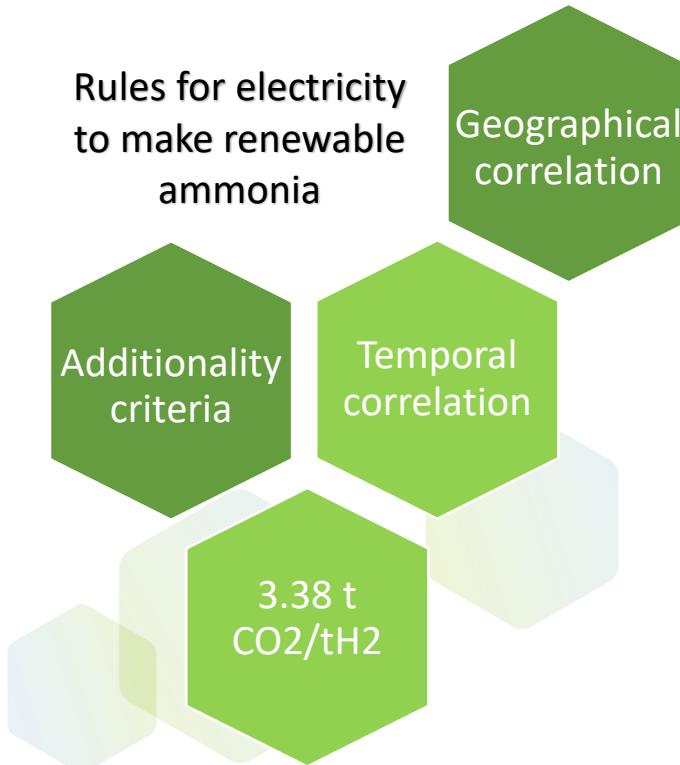




2.

Regulatory Enablers

Renewable Hydrogen/Ammonia Criteria



< 3 t CO₂/tH₂

OR... voluntary schemes

Thank you

By Theo Paquet

Green Ammonia Officer



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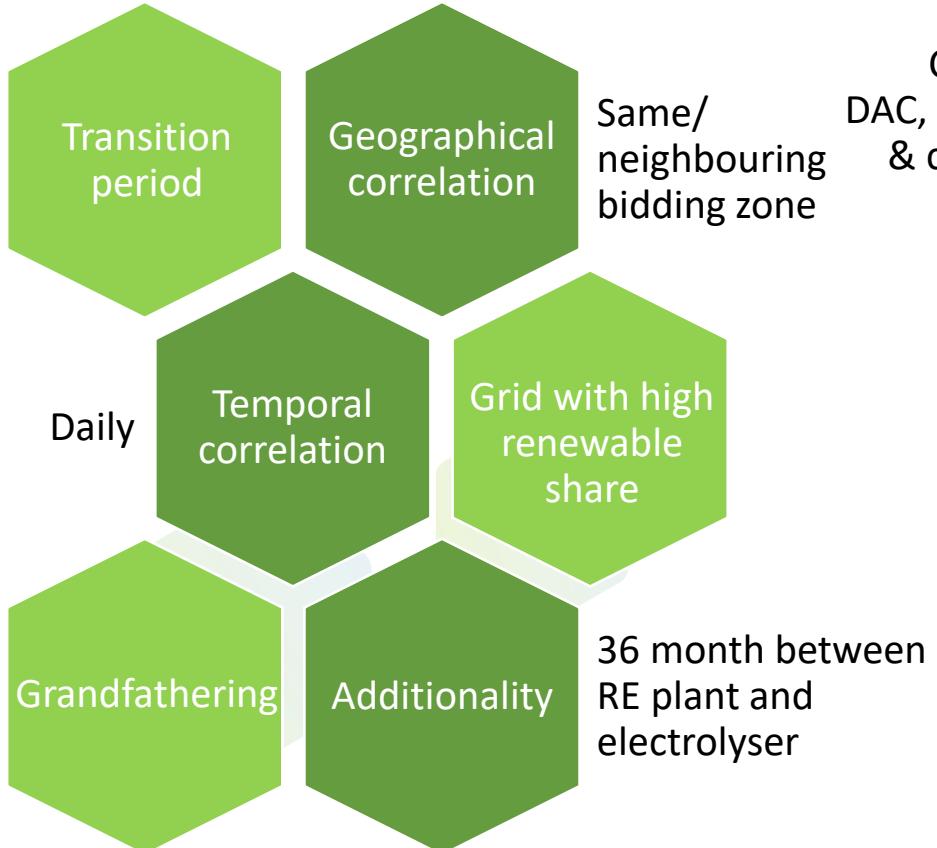


Fertilizers Europe

Renewable Hydrogen/Ammonia Criteria

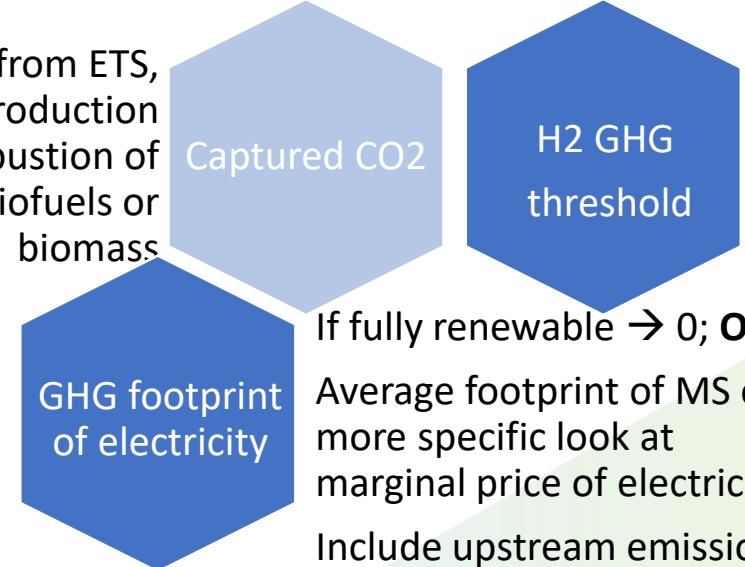


Additionality



D.A. 28

3.38 t CO₂/tH₂



OR... voluntary schemes

EU Sustainable Taxonomy

