

O papel das infraestruturas de gás no processo de descarbonização

Nuno Nascimento
8º Encontro AGN
26 novembro 2019



distribuição
gás natural



The image shows the European Union flag, a blue field with twelve yellow stars arranged in a circle, waving in the wind against a clear blue sky. The sun is shining brightly from behind the flag, creating a lens flare effect. A semi-transparent white box is overlaid on the lower right portion of the flag, containing text.

“There is clearly a rationale of making use, during the transition, of the large existing **gas infrastructure that is able to carry and store substantial amounts of energy, including by potentially upgrading it for the use of **biogas or hydrogen.**”**

European Commission (2018) / A Clean Planet for All

"Hydrogen could be a huge opportunity for our economy"

*"Hydrogen could be applied using a lot of infrastructure we already have (...) even a **combination of fossil and hydrogen** could be used."*

"I want the EC to help the deployment of lead markets for low carbon and sustainable products at the early stages (e.g. renewables, hydrogen, etc.)."

Frans Timmermans

Executive Vice-President-designate for the European Green Deal





Frans Timmermans speech at
“The FCH JU Stakeholder Forum
- Racing towards a clean
hydrogen economy”
Brussels, 21 November 2019

*"I want to examine how we can best make the **gas regulatory framework** and infrastructure fit for the future, contributing to **decarbonisation** through the use of **low carbon gases**, such as hydrogen."*

*"If we are talking about gas, in the future we are talking about biogases and hydrogen that can help us for **sector coupling**."*

Kadri Simson

Commissioner-designate for Energy





"It is clear that the future of our energy system will be renewable in terms of electricity, but also renewable with regard to the gas sector. In this context, the transmission and distribution grid will play an important role."

*"We have to see how we can push further the production of **biomethane**, and how we can make sure that **hydrogen** can play a more prominent role – this also means the development of up-scaled **power-to-gas** production plants"*

Klaus-Dieter Borchardt

Deputy Director-General (DG ENER)

The Bridge Beyond 2025

Conclusions Paper (Brussels, 19 November 2019)

“In terms of the impact on existing networks, we note that care must be taken that new investments in natural gas networks are consistent with future decarbonisation.”



Versão de consulta pública

07 de maio 2019

Ajustar o papel do gás natural na matriz energética

- “O caminho para a transição energética (...) far-se-á através de uma combinação de tecnologias e de vetores energéticos, onde o gás natural irá desempenhar um papel importante”. “A trajetória segundo a qual será ajustado o papel do gás natural na matriz energética estará ligado à (...) introdução dos gases renováveis”.

Promover a produção e consumo de gases renováveis

- Regular a introdução de gases renováveis
- Definir e implementar um sistema de certificação de qualidade para os gases renováveis
- Promover a produção e o consumo de hidrogénio a partir de fontes renováveis

“We should not be shy about being proud of where we are or ambitious about where we want to go.”

Ursula von der Leyen

President-elect of the European Commission



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