



Picture courtesy of Gas Connect Austria

Advisory Panel for Future Gas Grids

Meeting on 20 January 2022

ENTSOOG

Introduction

Welcome



Aim of the Advisory Panel

Connecting the dots between:

- market players and stakeholders,
- Initiatives and activities,
- work streams (technical, markets, infrastructure, regulation).



Focusing on **HOW** to transition gas grids.

1. Summary of work in 2021

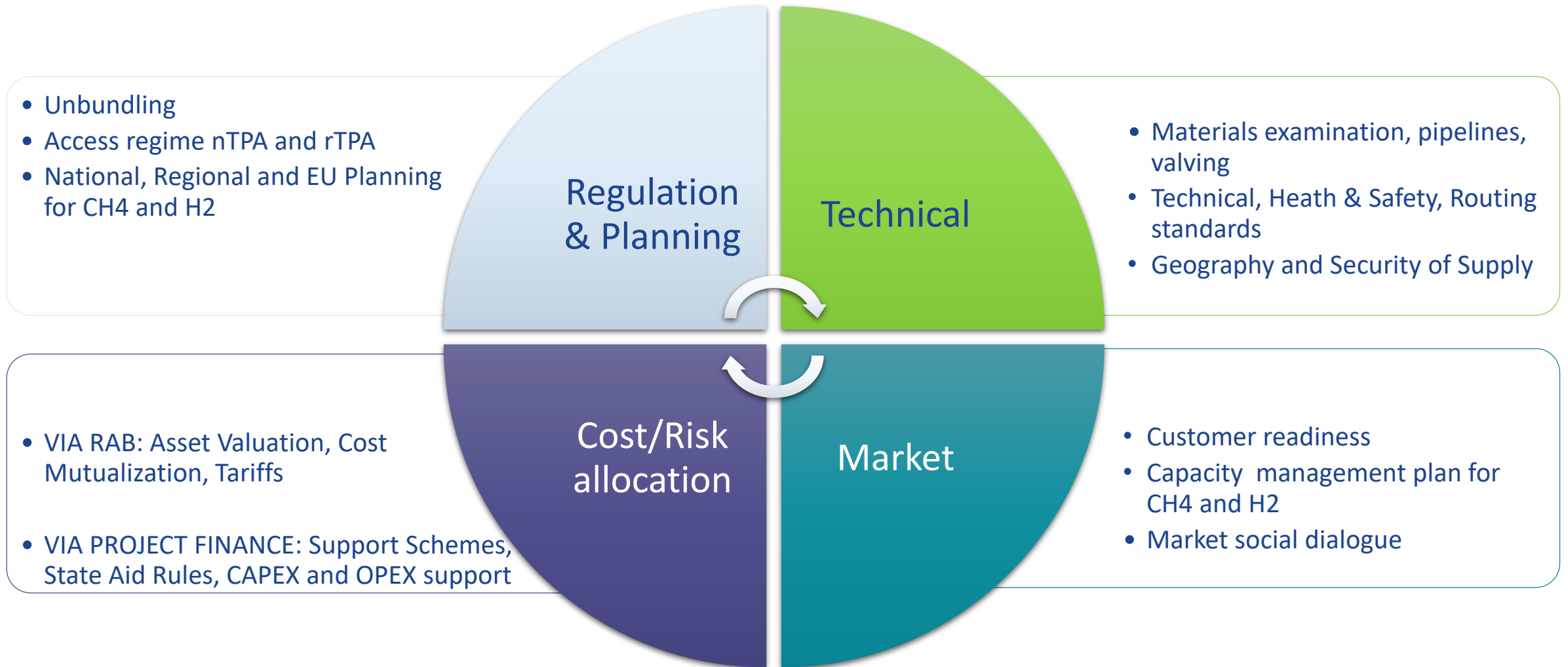
Summary of work in 2021

Open discussions with stakeholders along the whole gas value chain focusing on:

- Kick-off meeting (January) on introduction/scope of the panel, with each stakeholder **identifying priorities for gas grids transition**
- 2nd meeting (April) focus on 3 key legislative files: **TEN-E, REDIII, Gas/H2 package**
- 3rd meeting (June) focus on **end users, digitalization and smart gas grids**
- 4th meeting (October) **focus on repurposing framework for gas grids** (Session on Regulation & planning; Session on cost/risk allocation)

2. Recommendation Report

Repurposing framework



Recommendation Report

- **Scope:** summarize key positions from discussions held with stakeholders on how to repurpose existing gas grids (including blends and pure H2 pipes), building on the positions and best available information in 2021
- **Objective:** Ensure common understanding of the best ways for repurposing the gas grids based on coordinated
- **Focus:** technical, market, cost/risk allocation (financing), regulation & planning aspects
- **Usage:** External publication by ENTSOG on our website and made available for Panel members in their bilateral discussions

Principal comments received

1) The report is a very high-level document, but its concrete objective is not clear.

→ **ENTSOG Resolution proposal:** Include in introduction: *The objective of the Report is to summarise common understanding on the best ways for repurposing the gas grids based on coordinated and best available information in 2021.*

2) Not totally clear whether it addresses 100% H₂, mixture and/or low carbon gases too.

→ **ENTSOG Resolution proposal:** Include in the introduction: Report which is on both repurposing (transport pure H₂) and retrofitting (blends) of existing pipelines. ENTSOG understands that the gas grids should be ready to handle hydrogen from both renewable and low-carbon sources.

3) It is necessary to stress the emphasis on possible synergies obtainable when the TSOs are managing the facilities for Natural Gas and hydrogen, either repurposed and new pipelines.

→ **ENTSOG Resolution proposal:** ENTSOG members are ready to work for possible synergies obtainable when the TSOs are managing the facilities for Natural Gas and hydrogen, either repurposed and new pipelines.

4) Following the EU's plan to include (nuclear and) gas in green ranking, the possibility of mentioning of gas blending with H₂ and therefore retrofitting should be included in the text as a transitional step.

→ **ENTSOG Resolution proposal:** Retrofitting is included, now even more clear in introduction on the scope of the paper.

5) The reference to the UGS as the necessary tool to balance supply and demand was mentioned in the meetings but not mentioned in the proposed document.

→ **Proposal to address:** The main scope is gas grids, but storage is added with reference to GSE work.

Next steps for the Recommendation Report



3. Priorities in 2022

Relevance of 2021 panel works and link to TEN-E and H2 and decarbonised gas package



- Planning of repurposed gas grids to transport H2 and smart gas grids – included in TEN-E revision
- Regulatory aspects: TPA access, ownership transfers, unbundling, tariffs – included in the H2 & Decarbonised gas package
- Technical aspects: GQ management including dispute settlement, blending provisions, cyber security provisions, and other – included in the H2 and Decarbonised gas package
- Market aspects: GOs framework for renewable H2 - included in REDIII, value-chain synchronisation – in process via Clean H2 Alliance
- Cost/Risk Allocation – cost mutualisation, tariffs, lending policies EU and private funding, state aid

Key priorities in 2022

1. Reading of the H2 and Decarbonised gas package
2. Information exchange
3. Planning of H2/gas infrastructure
4. End Use applications
5. Other?





Thank you for your attention

Sara Piskor, Patricia Orglerova

Sara.piskor@entsog.eu; Patricia.Orlerova@entsog.eu

ENTSOG - European Network of Transmission System Operators for Gas
Avenue de Cortenbergh 100, 1000 Bruxelles

www.entsog.eu | info@entsog.eu

