Current legislative work of the European Commission and cooperation with the biomethane sector

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European Commission DG ENER C.2

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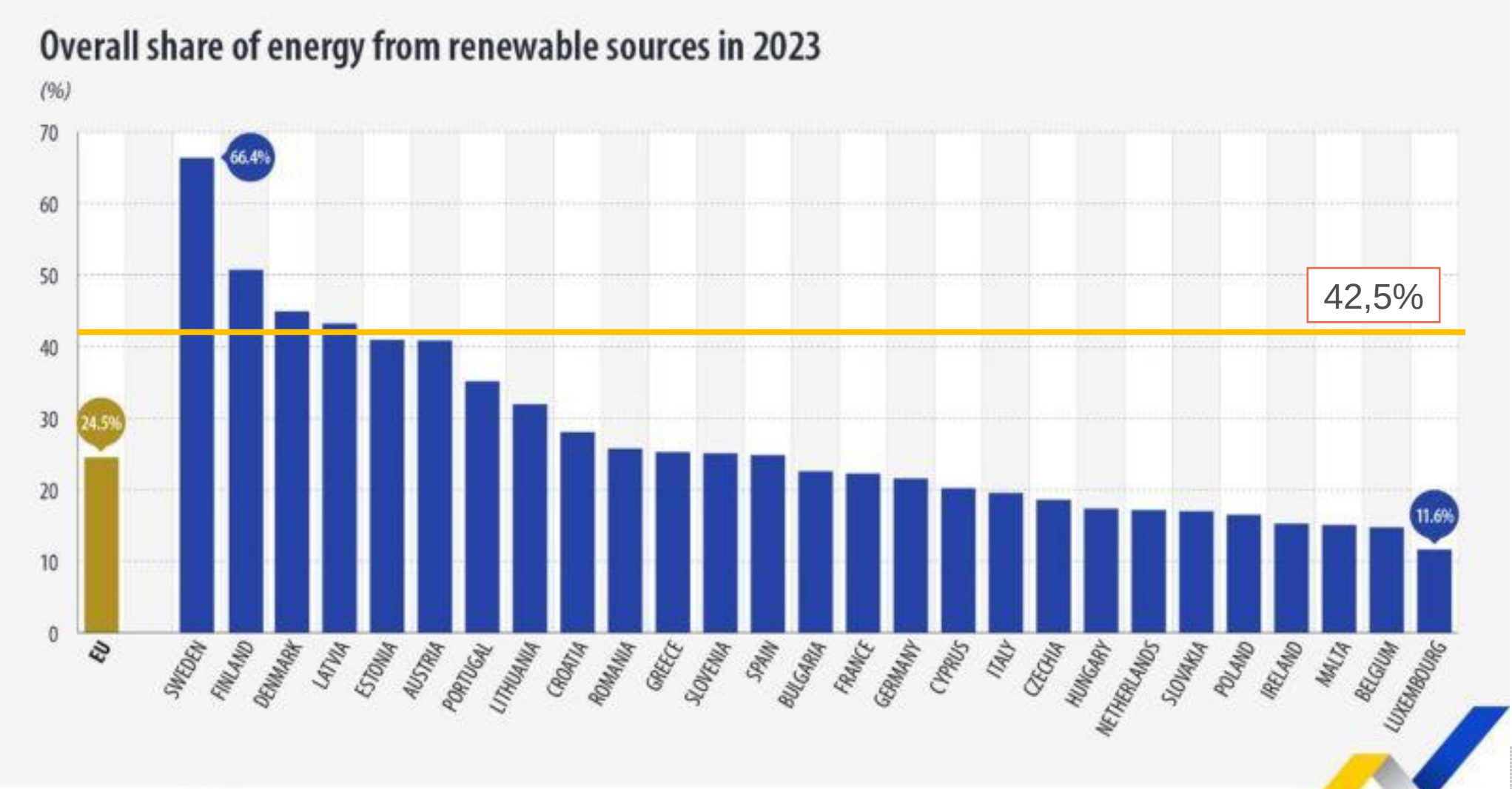
Approaching the goal of 42,5% RES share but still work to be done



eurostat

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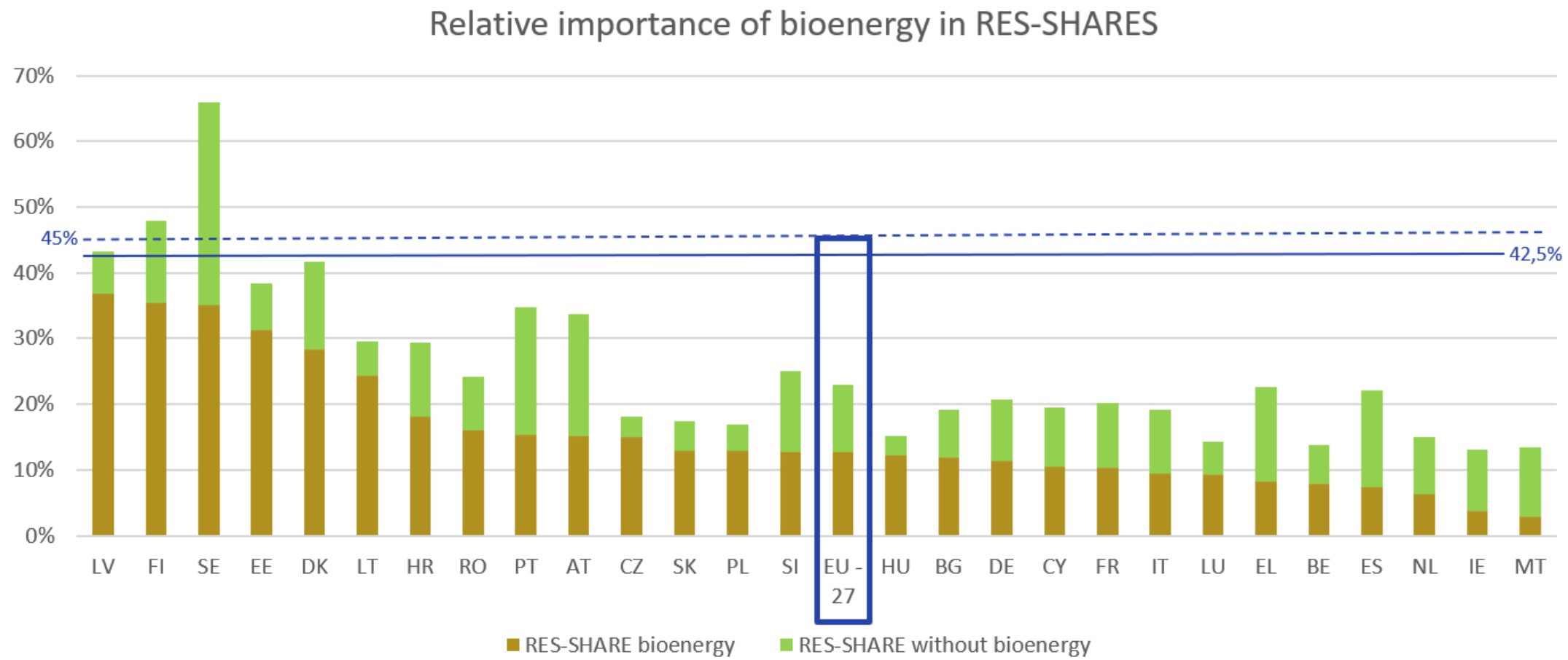
Contribution of bioenergy in the RES shares, by a MS



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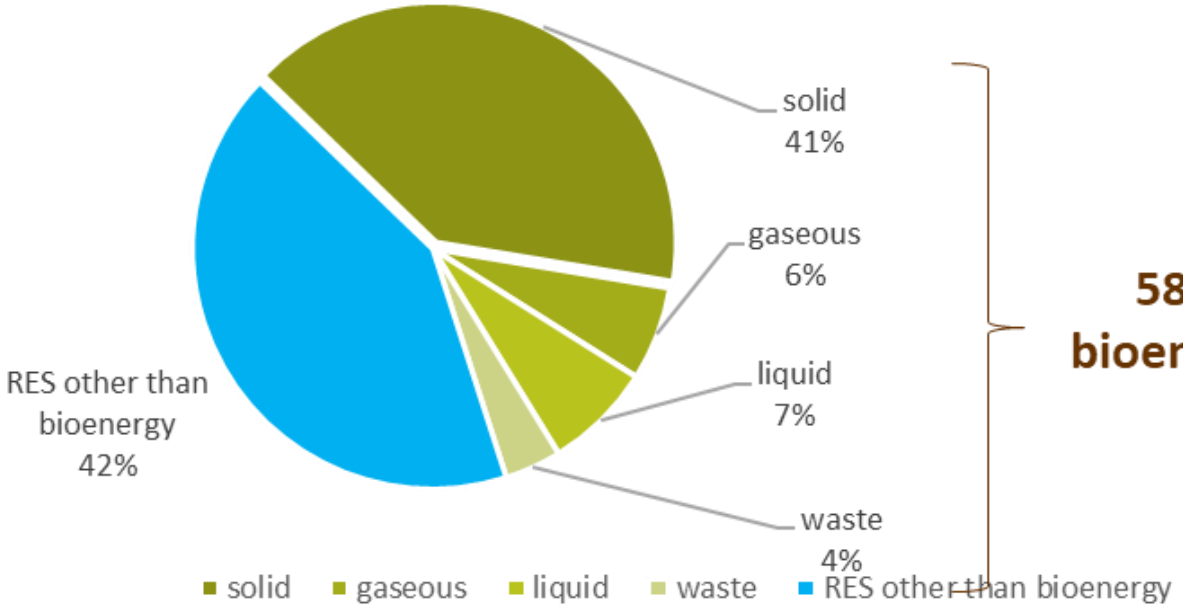
144 Mtoe of bioenergy in 2022

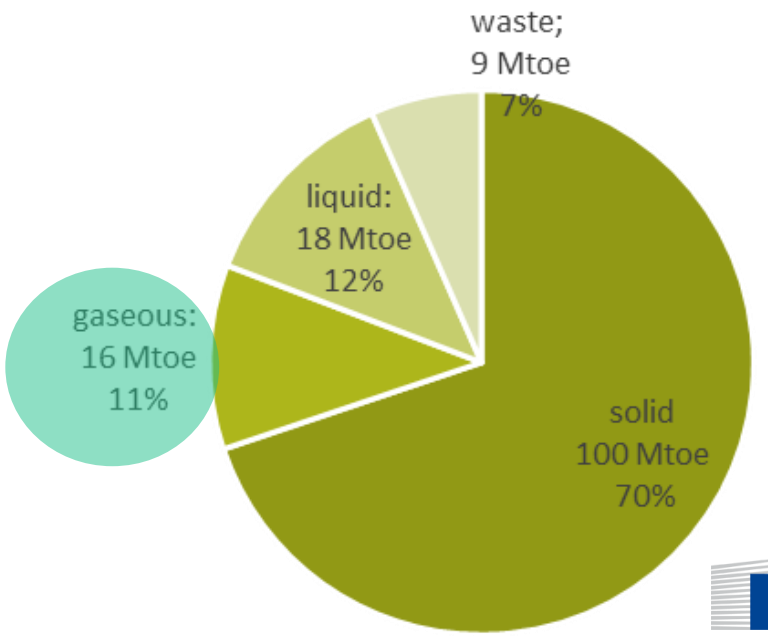
R5110-5150_W6000RI	R5160	R5300	W6210	R5210P	R5210B	R5220P	R5220B	R5230P	R5230B	R5290
Primary solid biofuels	Charcoal	Biogases	Renewable municipal waste	Pure biogasoline	Blended biogasoline	Pure biodiesels	Blended biodiesels	Pure bio jet kerosene	Blended bio jet kerosene	Other liquid biofuels

biofuels

Relative importance of bioenergy to the EU27 RES mix in 2022



Bioenergy in EU27 by type (2022)



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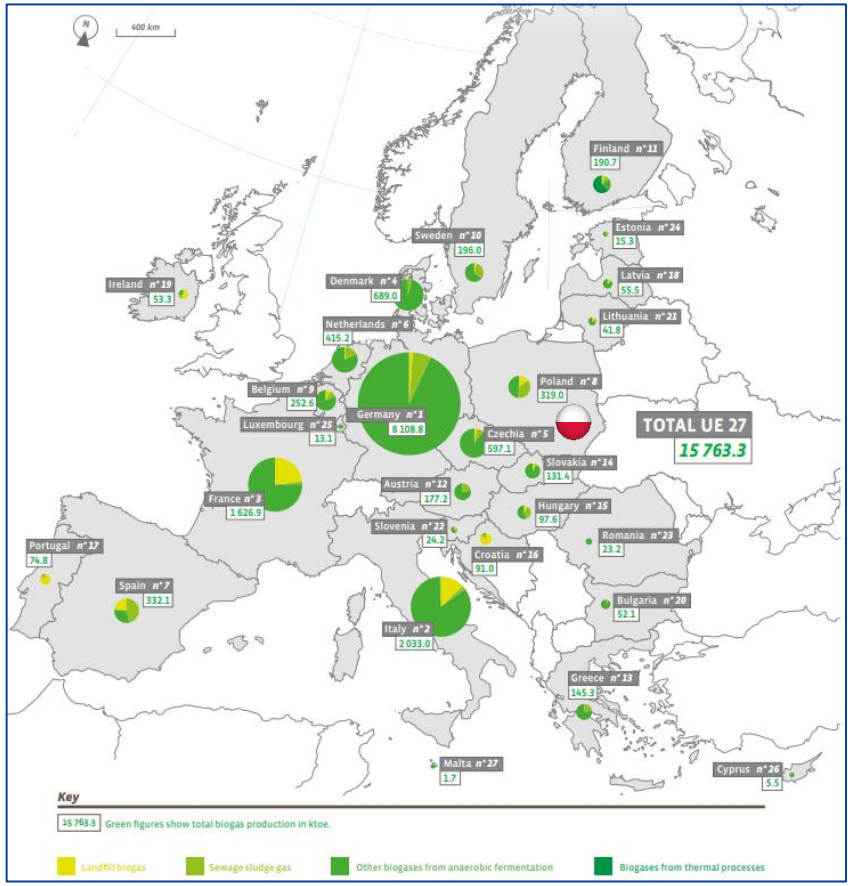
Snapshot of biogases in the EU27

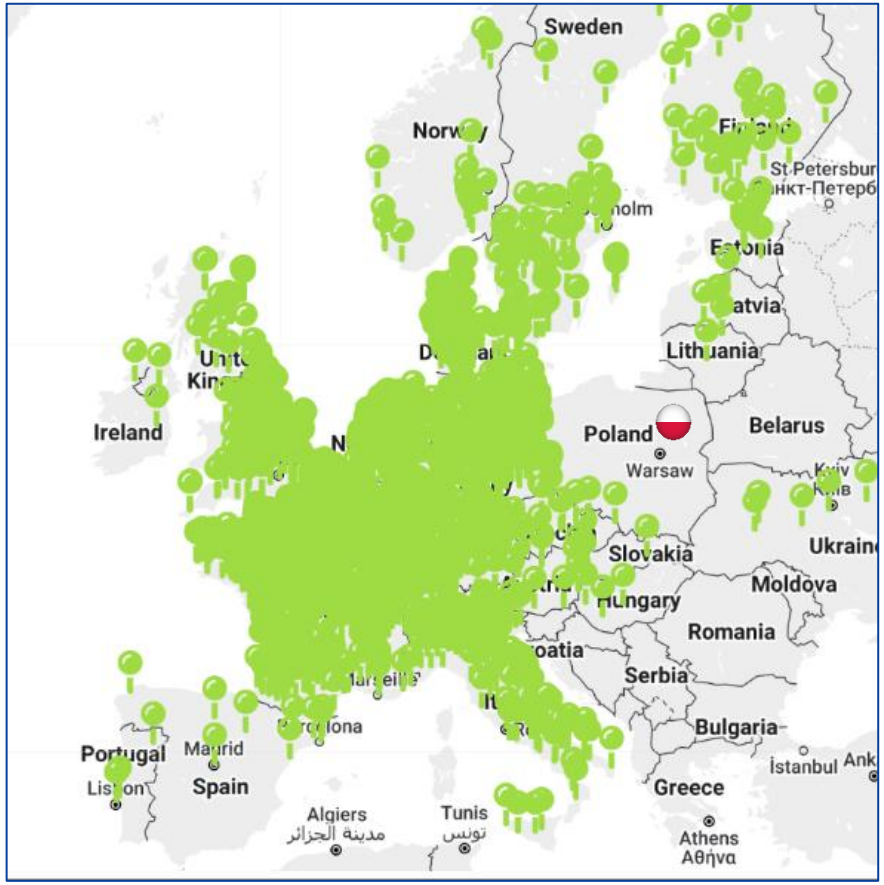
- Eurostat reports 16 Mtoe (18.7 bcm) produced in 2023, with 2.8 Mtoe (3.55 bcm) injected in the gas grid and 0.6 Mtoe (0.67 bcm)
- Compared with 2022:
  - stable production of biogas
  - 28% increase in grid injection
  - 5x more used bCH4 in transport
- Member States have communicated cumulative 27* bcm (22.7 Mtoe) biogas and biomethane target in the National Energy and Climate Plans
- 6 Member States produce 95% of the total biomethane production in 2022
- According to the industry, there is €27 billion investment earmarked by 2030, 6.1 bcm in Q1 2025
- Permitting time is mostly 4 years, but varies a lot across the MS
- Social acceptance as well valorisation of digestate, sewage sludge and biogenic CO2 varies greatly across the EU

State of biogas/biomethane in the EU

BIOGAS



BIOMETHANE



Sources: Biogas barometer 2023, GIS

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The Commission’s continued suport for biomethane

- Objectives of REPowerEU Plan: **affordable, secure and sustainable energy for Europe**, by, among others, diversifying energy supplies and boosting domestic production of clean energy.
- Biomethane plays a significant role in the plan as supporting the objectives:
  - Energy security and independence: bCh4 as a short to mid-term measure to reduce the dependency on imported natural gas. Mature technology that can be used at scale now.
  - As a renewable and dispatchable energy source, increasing the production and use of biomethane also helps to decarbonize EU economy.
- REPowerEU Plan launched **Biomethane Action Plan**

Tripartite contracts in affordable energy action plan

Action 6 – A tripartite contract to ensure affordable energy for Europe's industry

To counteract high energy prices and market uncertainty, a broader tripartite contract for affordable energy can bring together the public sector, energy producers, and energy-consuming industries to create a favourable investment climate, facilitating a competitive EU industrial sector, while ensuring the retention and creation of quality jobs.

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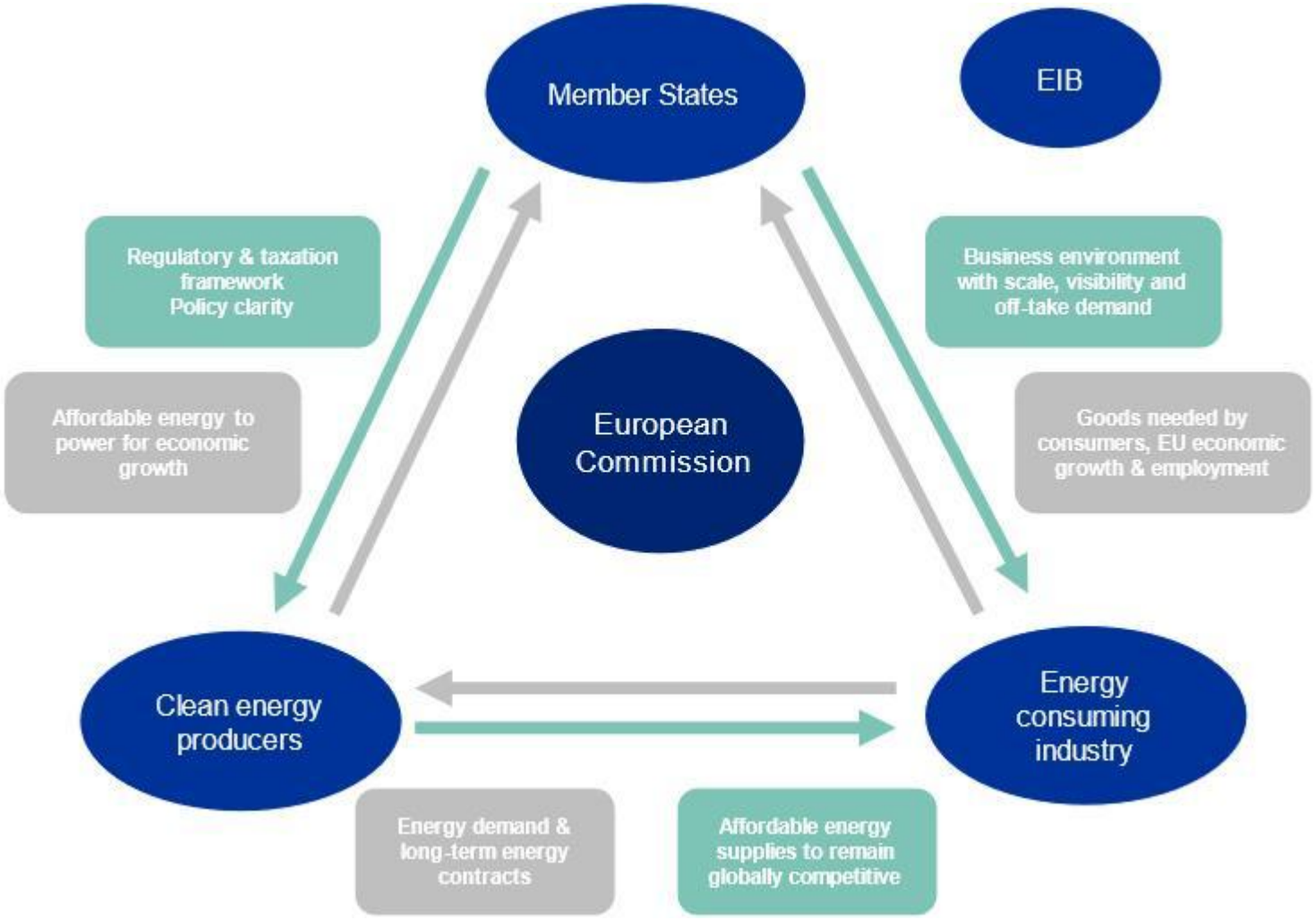
Concept of tripartite agreement for affordable energy for Europe's industry



Objectives of the tripartite agreement for biogases

1. attracting investments in and increasing production of sustainable biogas.

2. accelerating deployment of sustainable biogas.

3. lowering costs of biogas.

KPIs: “*produce more sustainable biogases, faster, at a lower price*”

Identified action areas in the tripartite agreement, building on the Biomethane Industrial Partnership legacy

- Strengthen cooperation within and across MS on issues relating to biomethane
- Produce more biogases from the same feedstock → e.g. by retrofitting the existing AD plants
- Make biogases more affordable → e.g. by developing circular (bio)economy business models with biogas, digestate and biogenic CO2
- Engage stakeholders across the chain, before and after biogas happens
- Increase coordination and planning, before and after biogas happens
- Support in optimizing permitting process
- Boost the single market

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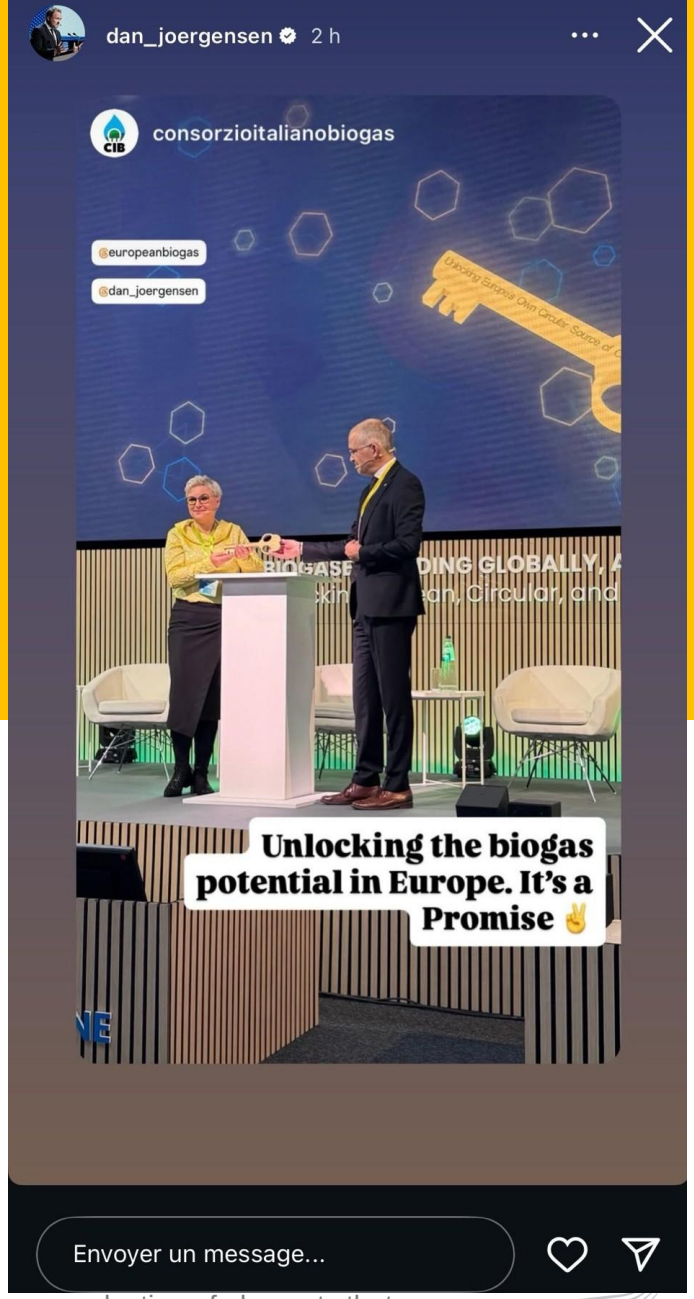
To be continued...



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