



State of play of biogases in the EU and recent policy developments

GreenMeUp Policy Workshop

Franciszek Madler

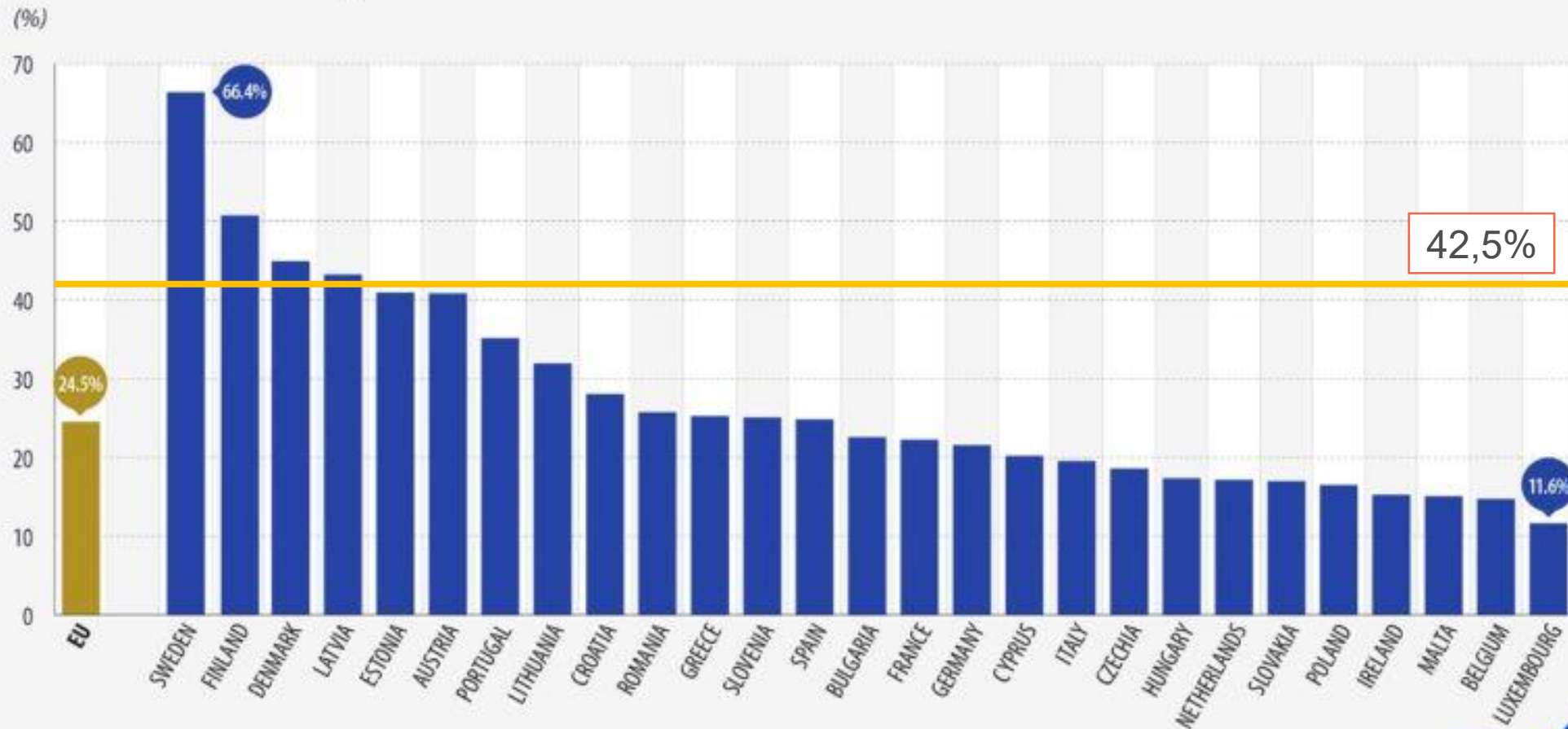
*Unit C.2 – Decarbonisation and Sustainability of Energy Sources
DG ENER*

Agenda

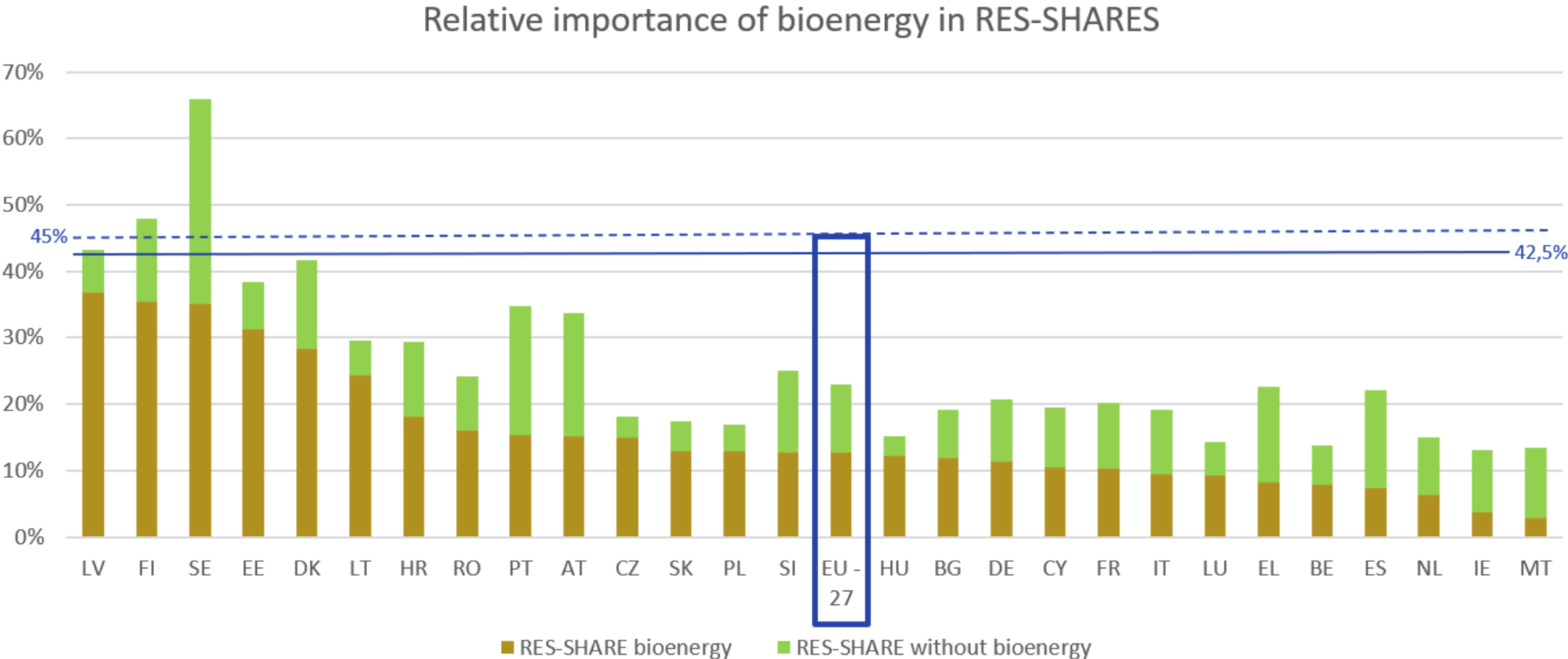
1. State of play of biogases in the EU
2. Policy framework and current policy developments

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

Overall share of energy from renewable sources in 2023



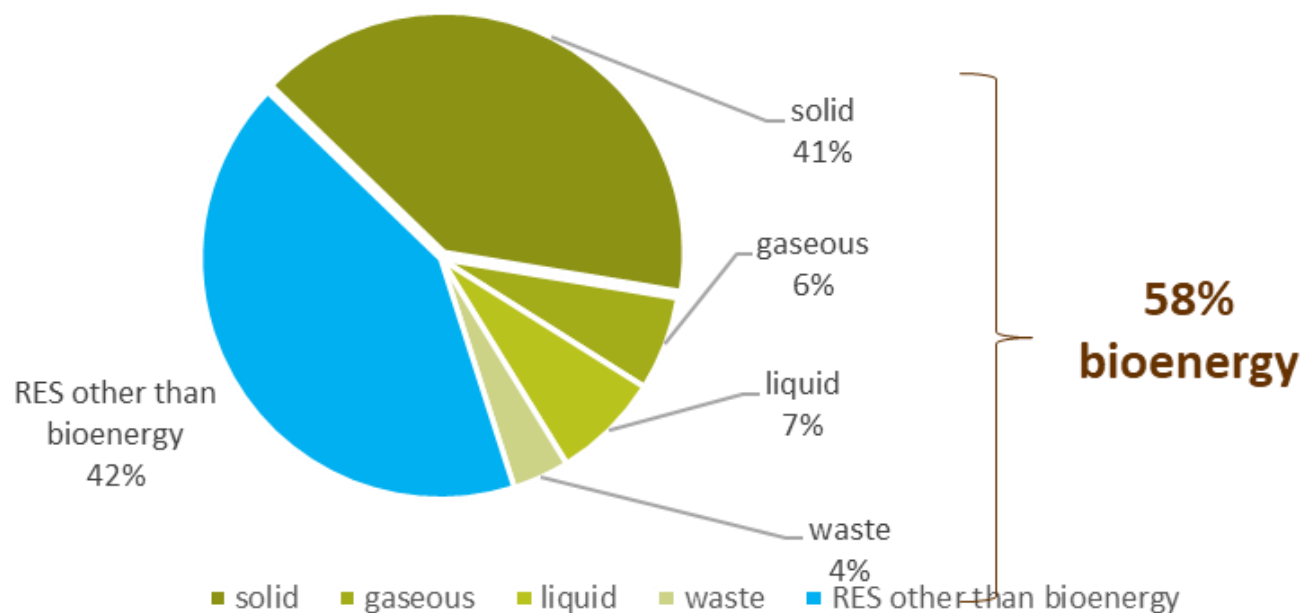
Contribution of bioenergy in the RES shares, by a MS



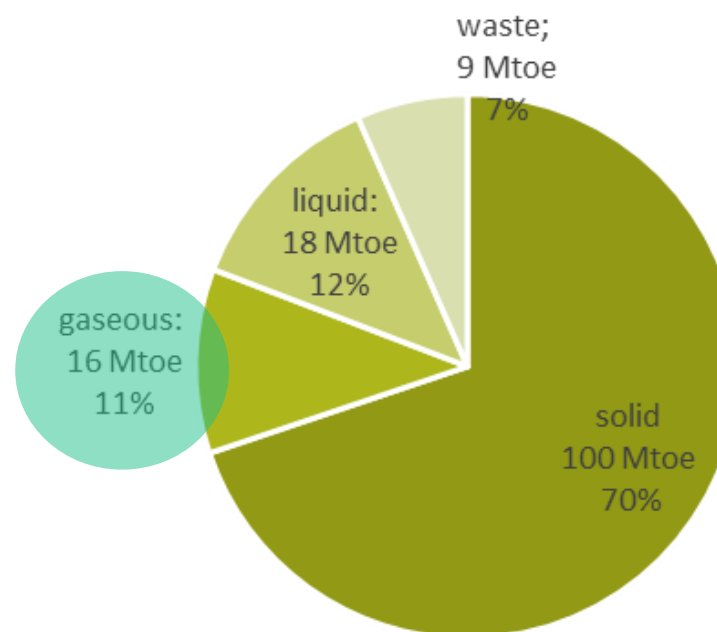
Closer look at the bioenergy

- 144 Mtoe of bioenergy production in 2022

Relative importance of bioenergy to the EU27
RES mix in 2022

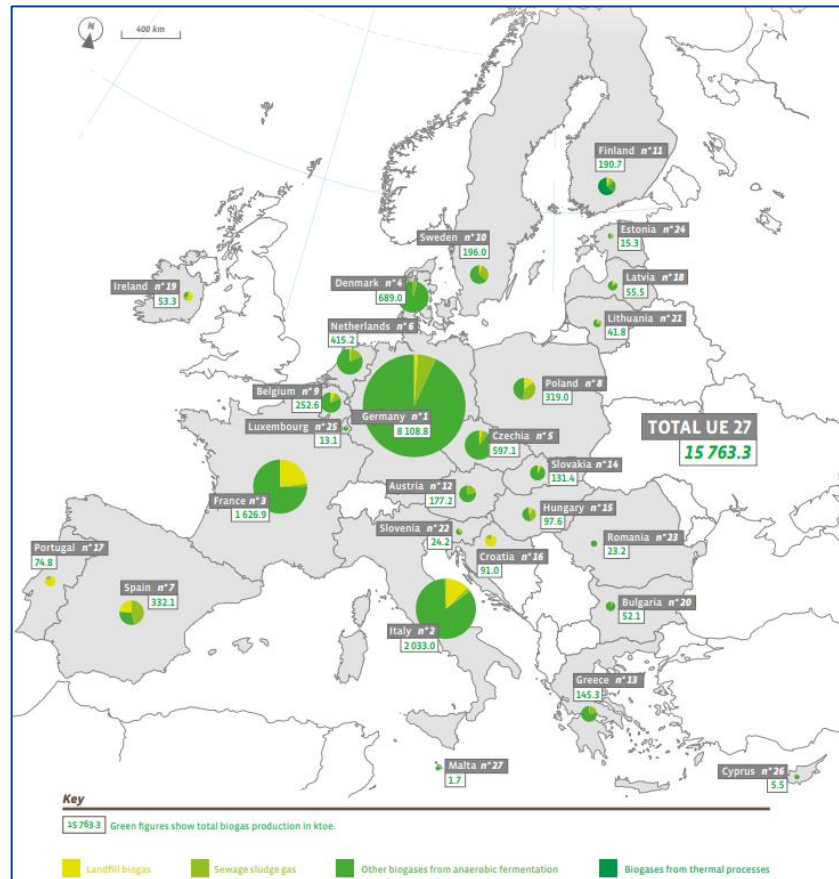


Bioenergy in EU27 by type (2022)

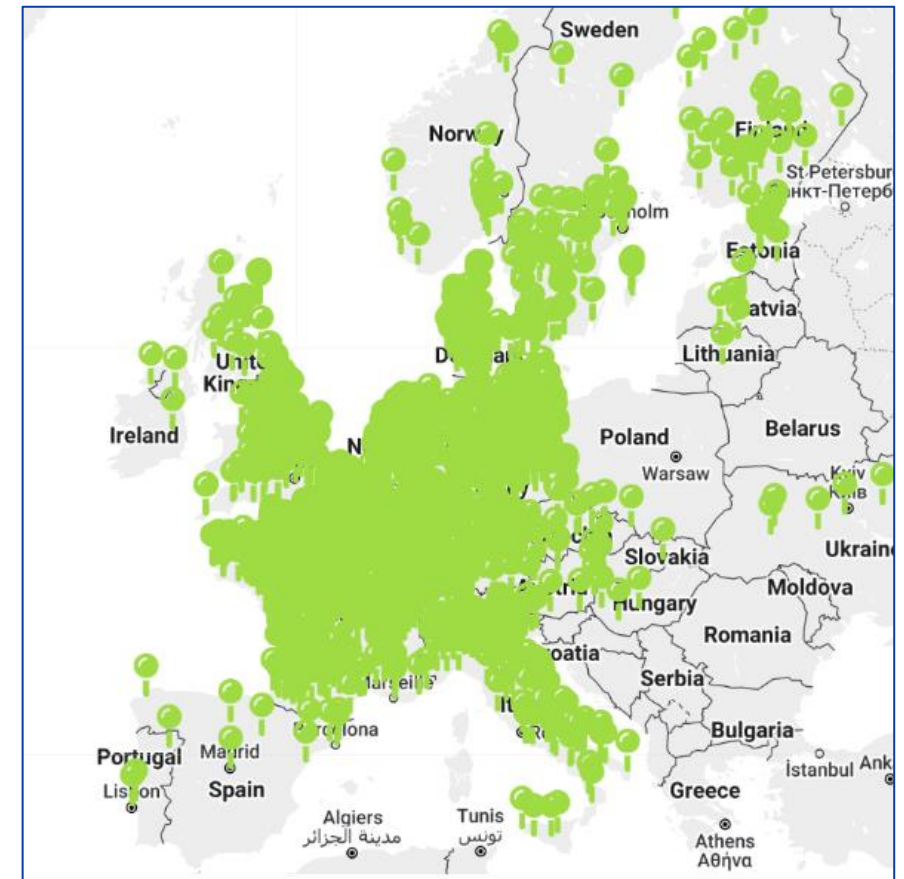


State of biogas/biomethane in the EU

BIOGAS



BIOMETHANE



Sources: Biogas barometer 2023, GIS

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) used in transport.
- Compared with 2022:
 - stable production of biogas
 - 28% increase in grid injection
 - 5x more used bCH₄ in transport
- Recent COM assessment of updated National Energy and Climate plans: Member States have communicated cumulative 27* bcm (22.7 Mtoe) biogas and biomethane target.

Snapshot of biogases in the EU27 - other key indicators

- 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.

2. EU policy framework and current policy developments

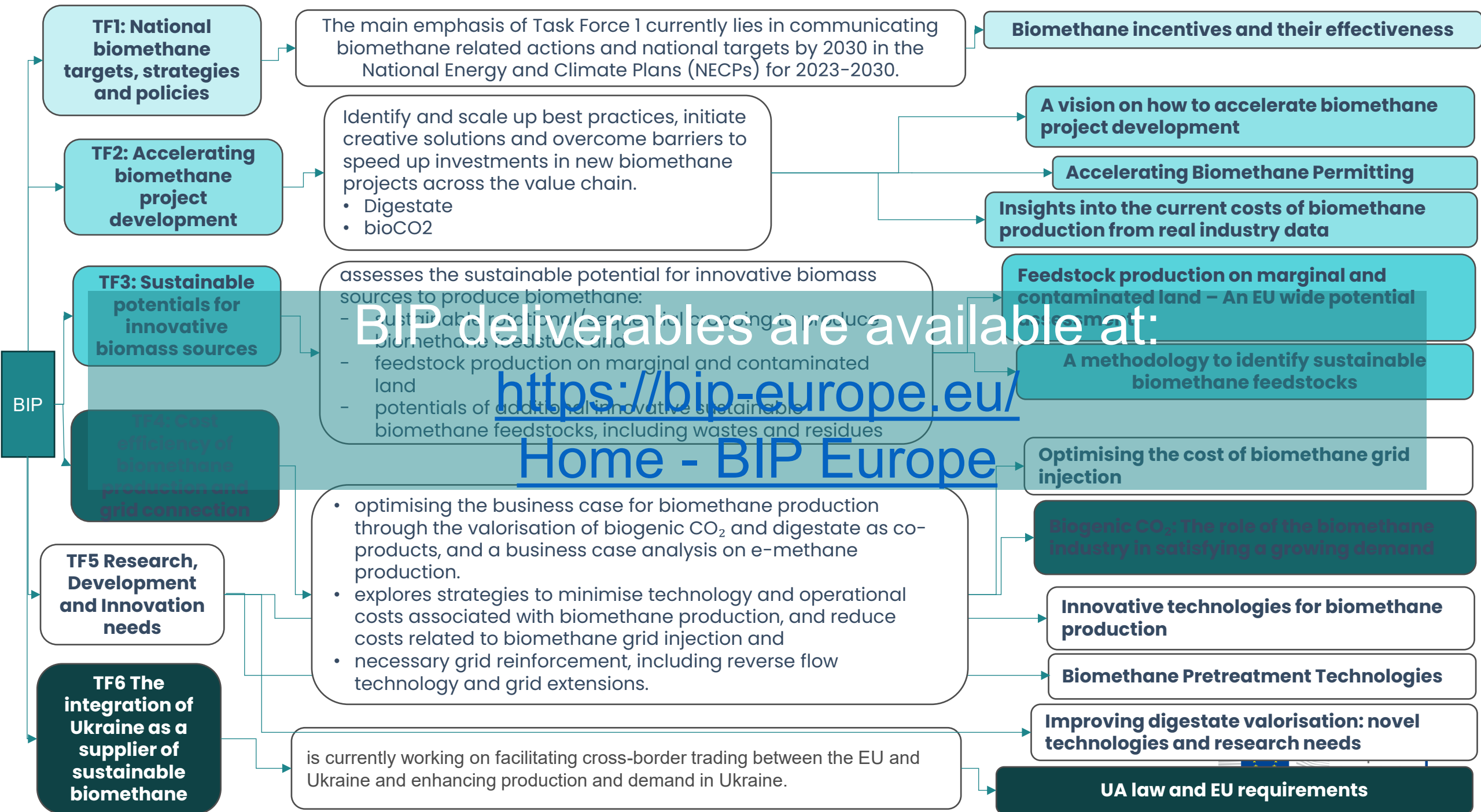
The Commission's continued support for biomethane

- 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**

European Commission and industry leaders launch Biomethane Industrial Partnership



Source: [Biomethane - European Commission \(europa.eu\)](https://european-council.europa.eu/media/en/press-summaries/detail/123456)
[Home - BIP Europe \(bip-europe.eu\)](https://bip-europe.eu)



New initiatives on biomethane

REPowerEU roadmap

The roadmap is the EU's strategy to remove Russian oil, gas and nuclear energy imports from EU markets in a gradual and coordinated way.

6 May 2025

Action 4: Supporting diversification by demand aggregation and better use of infrastructure

2 planned initiatives related to biomethane:

- Based on the experience of AggregateEU, the Commission is evaluating the feasibility of a **platform to support the scale-up and trade of gaseous molecules of non-fossil origin, including biomethane**.
- Building on the successful conclusion of the Biomethane Industrial Partnership, the Commission will set up a new biogas network of Member States as part of a **tripartite contract** to better address the diverging needs in different areas of the EU and include national and local stakeholders.

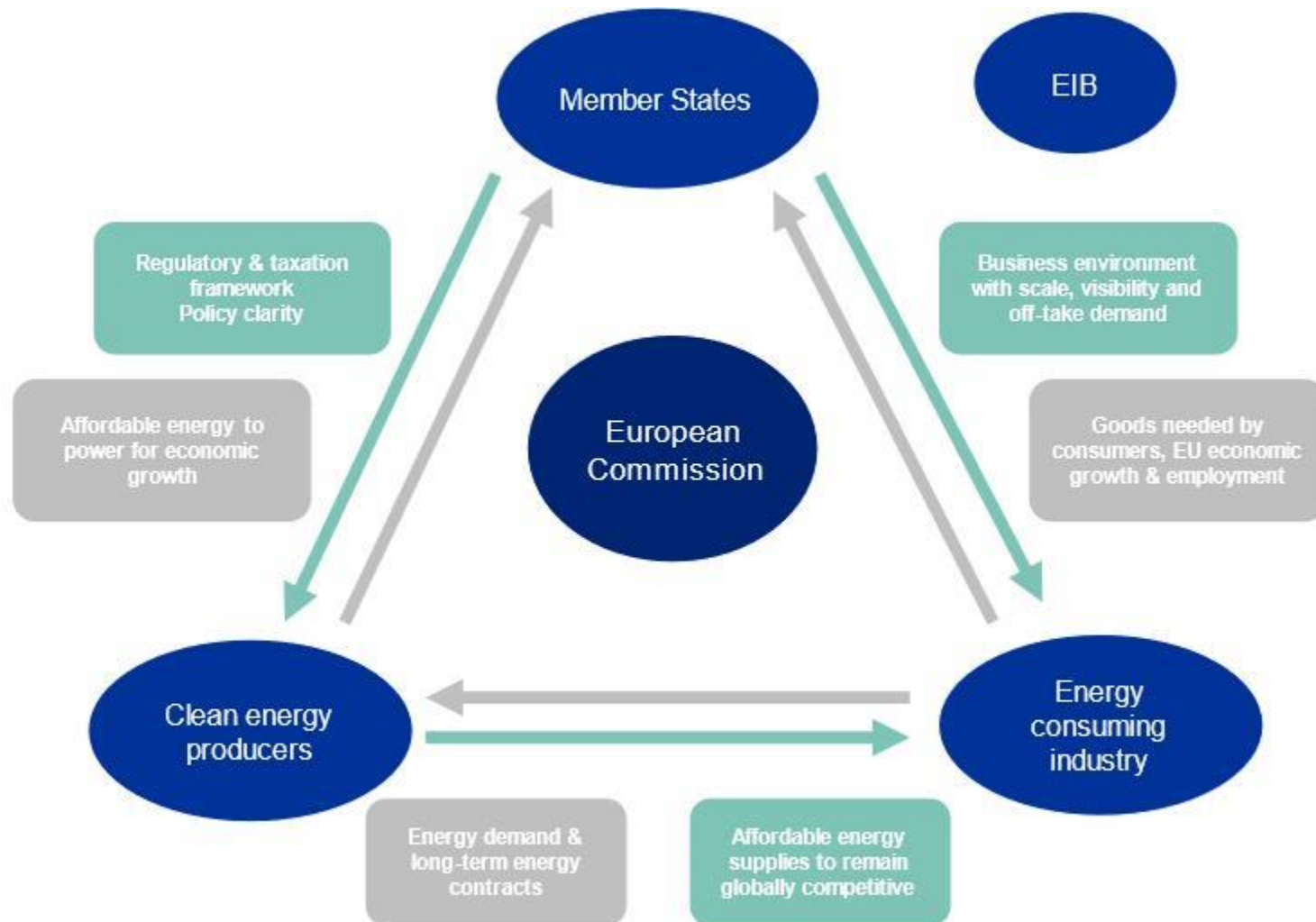
Tripartite contracts in affordable energy action plan

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.



Tripartite Contracts – the concept



Initial ideas for action areas in the tripartite contract



Strengthen cooperation across MS on issues relating to biomethane



Produce more biogases from the same feedstock → retrofitting the existing AD plants



Make biogases more affordable → circular (bio)economy business models with biogas, digestate and biogenic CO₂



Engage stakeholders across the chain, before and after biogas happens



Support MS to optimize permitting process



Single market



Coordination

Thank you for your attention



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