Introduction

EBA – representing the full value chain

≥ 330 MEMBERS

285 COMPANIES

51 NATIONAL ASSOCIATIONS

37 COUNTRIES

EBA European Biogas Association

What’s in this presentation for you?

01

How can the biomethane sector contribute to a competitive decarbonised economy?

02

Draghi's recommendations applied to the biomethane sector

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1

How can the biomethane sector contribute to a competitive decarbonised economy?

The sector produces the equivalent of 7% of the EU gas consumption

22.1 bcm (234 TWh) in Europe

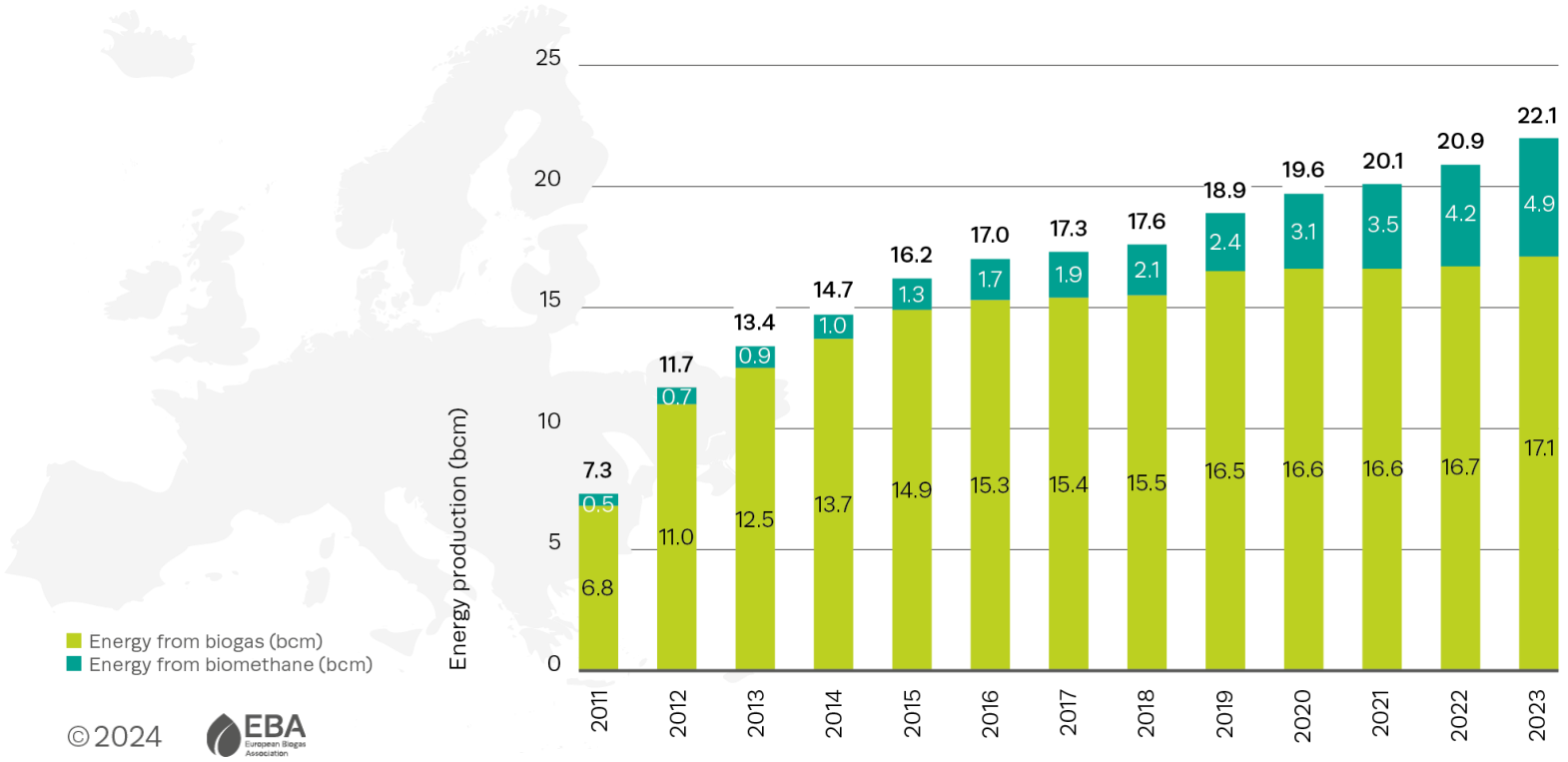
Among which 5 bcm (53 TWh) of biomethane

= Gas consumption of Belgium, Denmark and Ireland combined

= 7% EU gas consumption in 2023

18-21% YoY growth in recent years for **biomethane**

Combined biomethane and biogas production in Europe (bcm)



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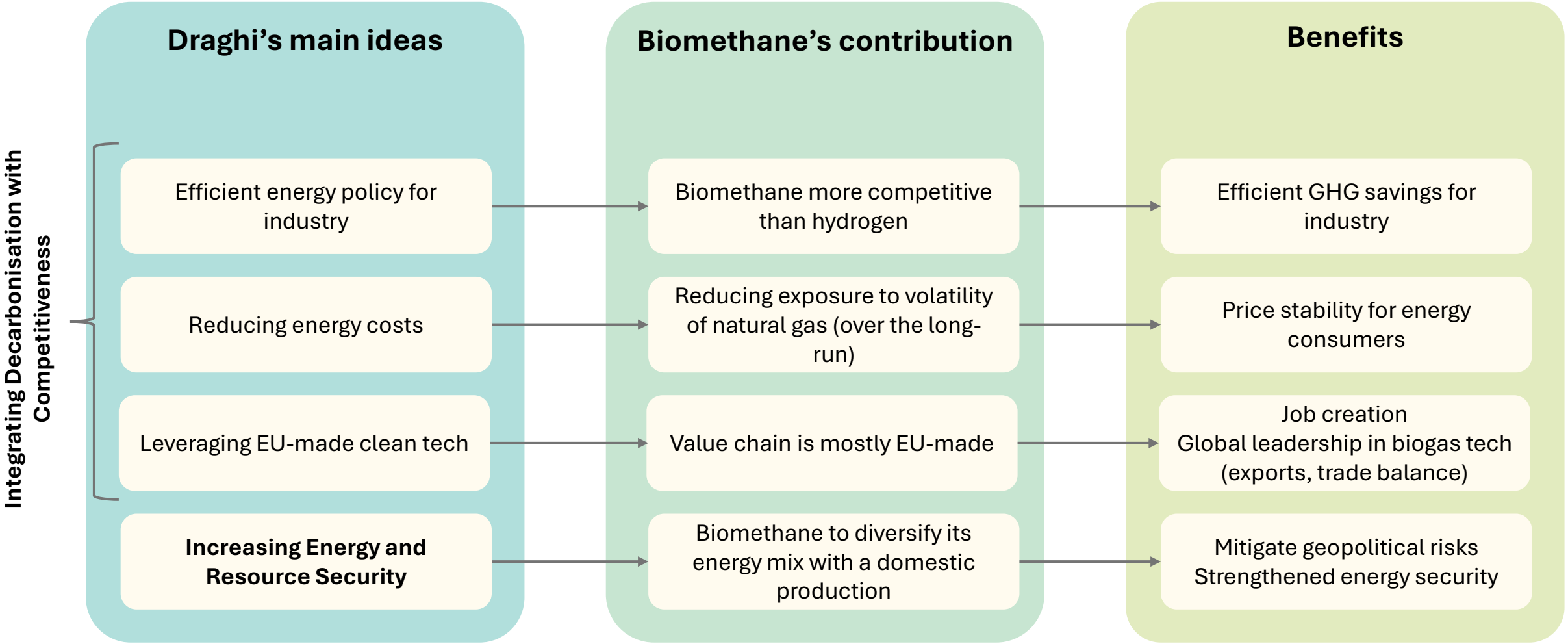
Biomethane is an asset for achieving EU policy needs

Biomethane can contribute to achieving some of the main ideas of Draghi's report about Europe's competitiveness and security.



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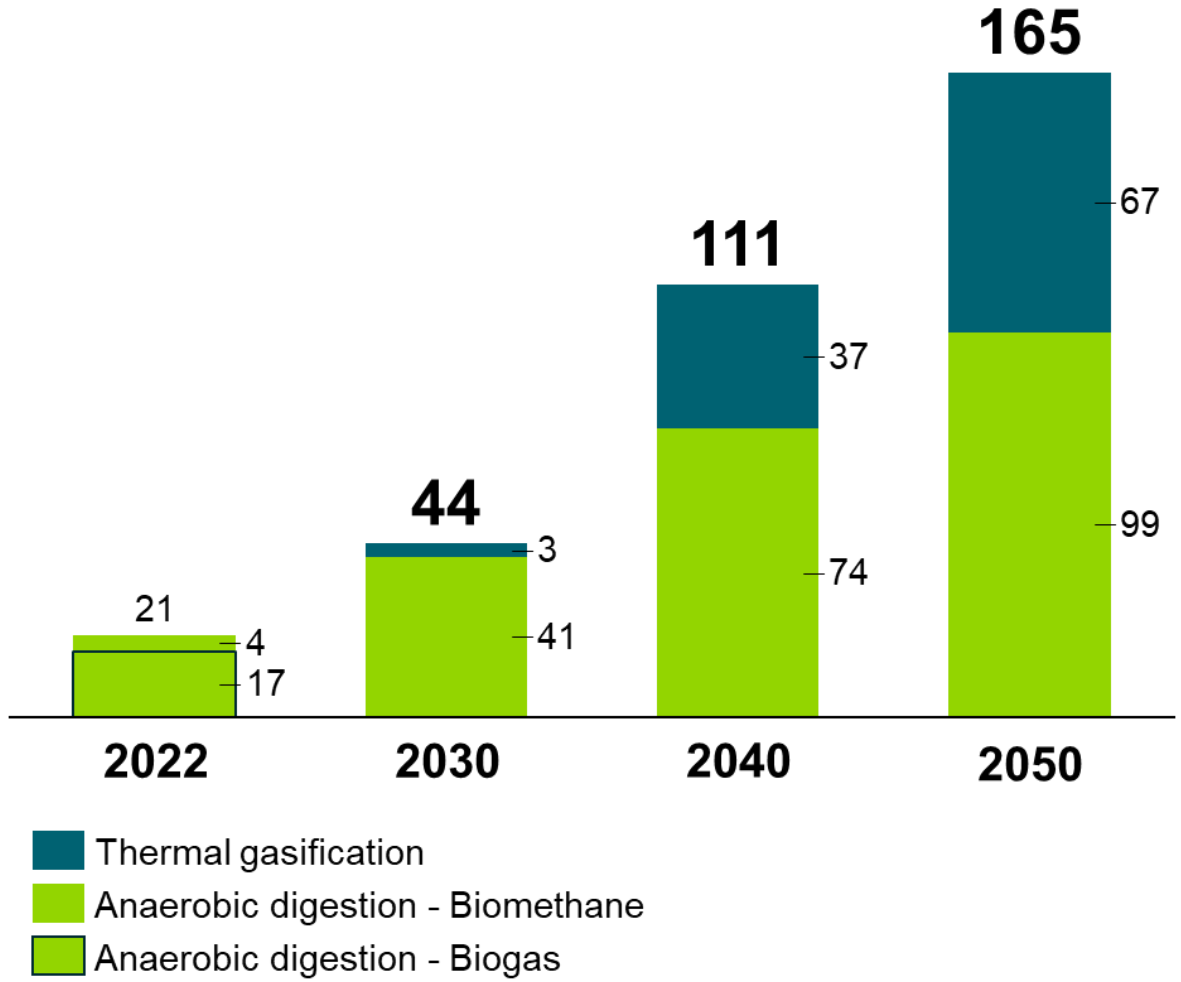
Focus 1: Biomethane to diversify the energy mix (1/2)

Based on sustainable feedstock availability, there is significant potential to scale-up biomethane production to 2040 and beyond (Guidehouse study)

Biomethane production potential in Europe

- **44 bcm by 2030**
- **111 bcm by 2040**
- **165 bcm by 2050**



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Focus 1: Biomethane to diversify the energy mix (2/2)

Biomethane production potential can be further increased by deploying novel feedstocks and technologies, as well as landfill gas

Feedstocks

Digestate from anaerobic digestion

Digestate can be used to produce additional biomethane using either Hydrothermal gasification or Pyrolysis, in specific cases

Marginal and contaminated land

Significant potential for underutilised lands to produce bioenergy crops, without contributing to increase in land use change, or compromising existing food or feed production

Seaweed

Interest in using 'cast' seaweed as a sustainable feedstock for biomethane production, while also delivering multiple co-benefits

Technologies

Hydrothermal gasification

Versatile technology that can process a wide variety of (wet) biogenic and fossil wastes and effluents into biomethane, as well produce multiple co-products

Landfill gas

Existing landfill gas sites represent an important source of low cost biomethane production in the short to medium term

Renewable methane

Renewable methane production can facilitate energy system integration, and also help to increase overall biomethane production yields

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2

Draghi's recommendations applied to the biomethane sector

Biomethane will benefit from Draghi's ideas put in practice

Draghi's main ideas	Applied to biomethane sector	Benefits
Reducing bureaucracy	Permitting – streamlined and digitalised	Quicker addition of new capacities
Deepening the Single market	Achieve a Single Biomethane Market	Better match with the demand ↓ Procurement cost
Integrating Decarbonisation with Competitiveness	Tech neutral approach to regulation on end-use sectors	Acceleration decarbonisation of end-use sectors
Focusing on skills development	Set-up specific curriculum and training programmes	Operational workforce ready for operating thousands of new plants
Limit the level of energy taxation	Reduce tax levels of biomethane (≠ of natural gas)	Improved competitveness of biomethane

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Focus: Creating the Single Market for Biomethane

Today's missing buildings blocks

Different **documentation requirements** for compliance purpose

- Among national support schemes
- In the implementation of the EU ETS

Traceability and renewable energy accounting of Member Staes

- Uncertainties in the implementation of the *Union Database of Biofuels* by the Commission (RED III Mandate)

Fragmented GO market

- Renewable value not fully recognised
- Restricted supply opportunities across countries

Steps to achieve the Single Market

Harmonise requirements in the national implementation of the EU ETS reporting rules

Set a common basis for all biomethane certificates

Ensure a quick set up of the Union Database for gases in collaboration with the industry

Enforce implementation of gas GO Registries in all Member states by 2026

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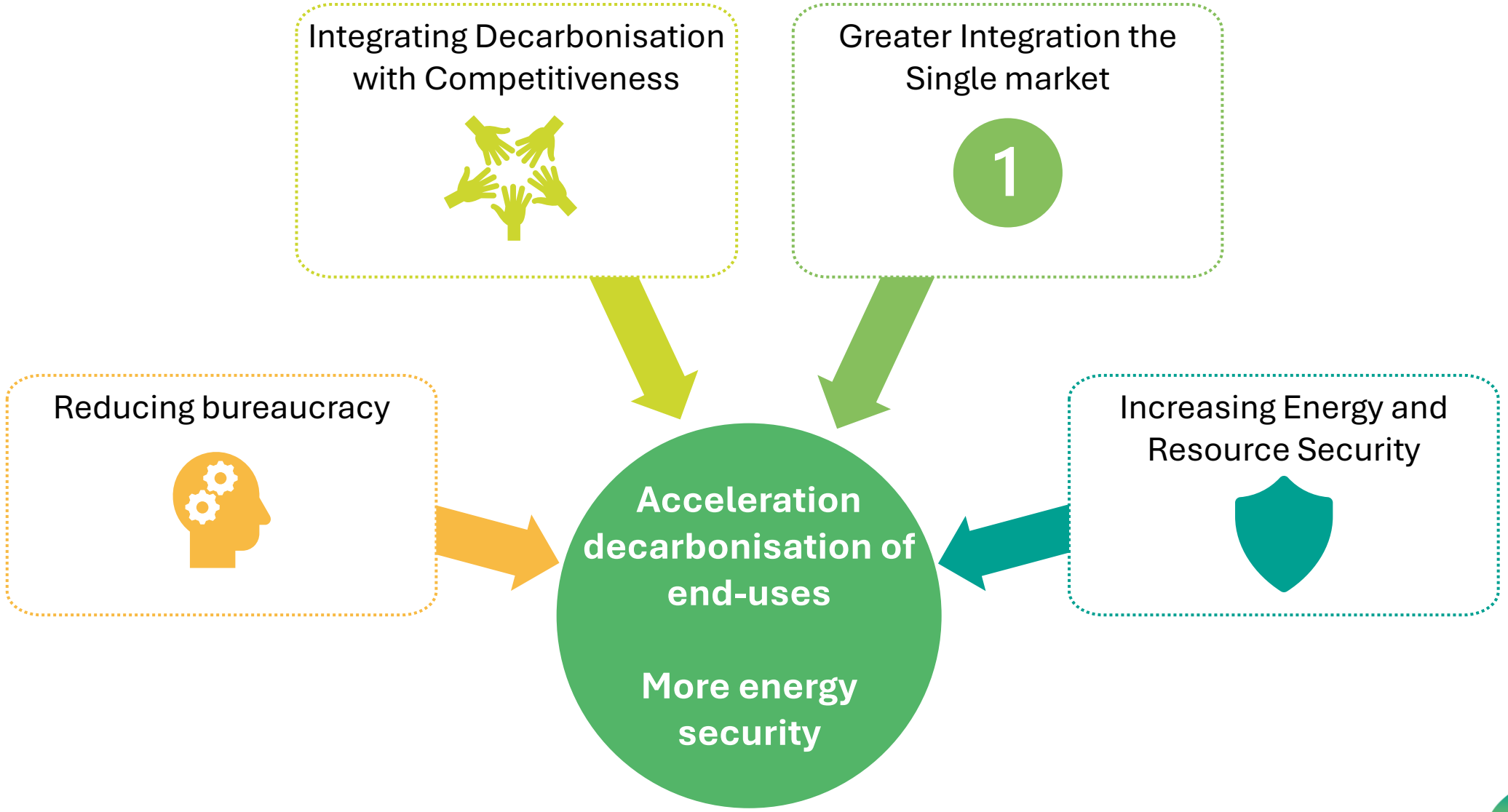
Conclusion

Conclusion



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