

SYNERGIES BETWEEN GAS, RENEWABLE ENERGY, AND ENERGY EFFICIENCY

Perspectives on today and the way forward

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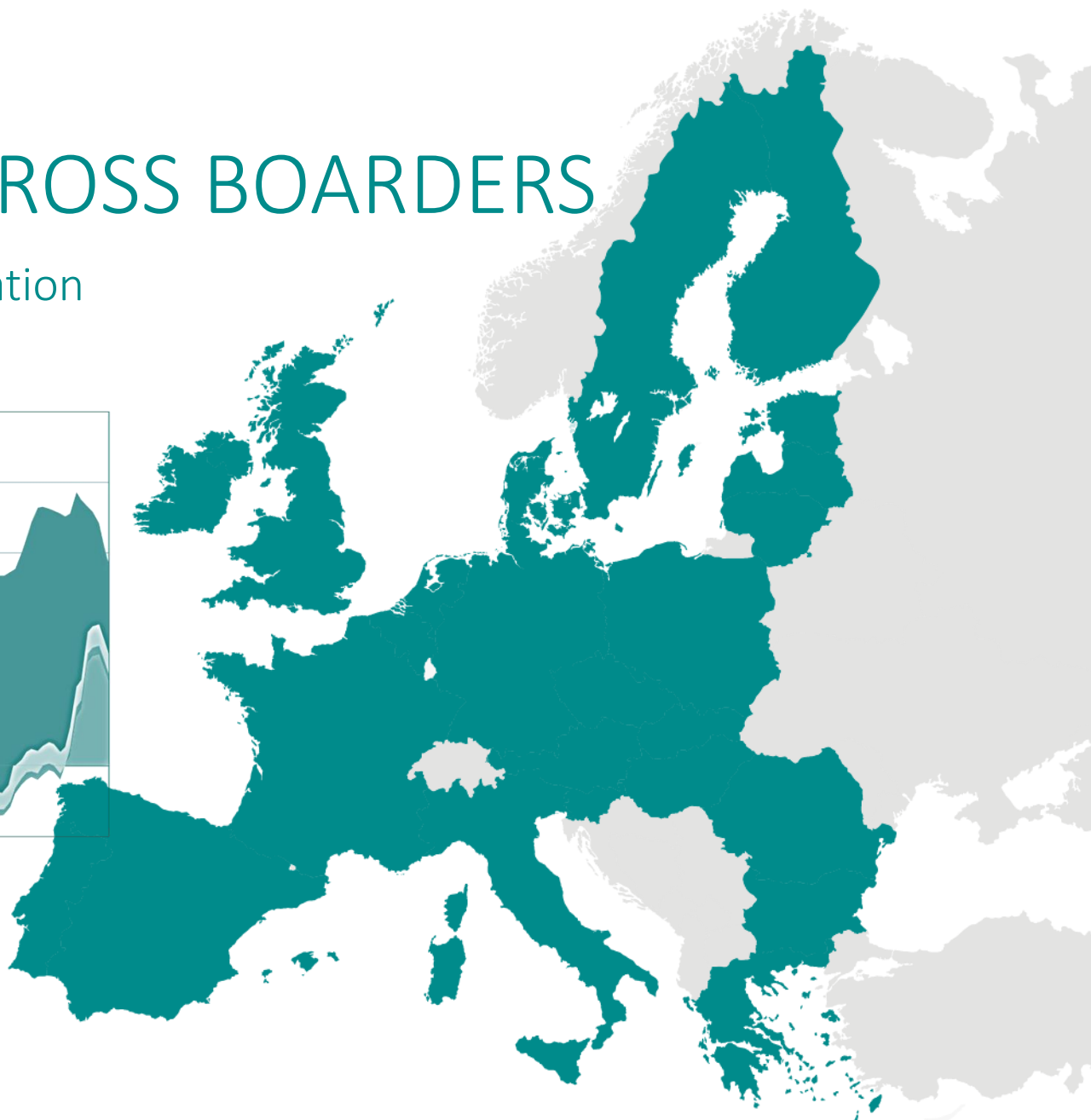
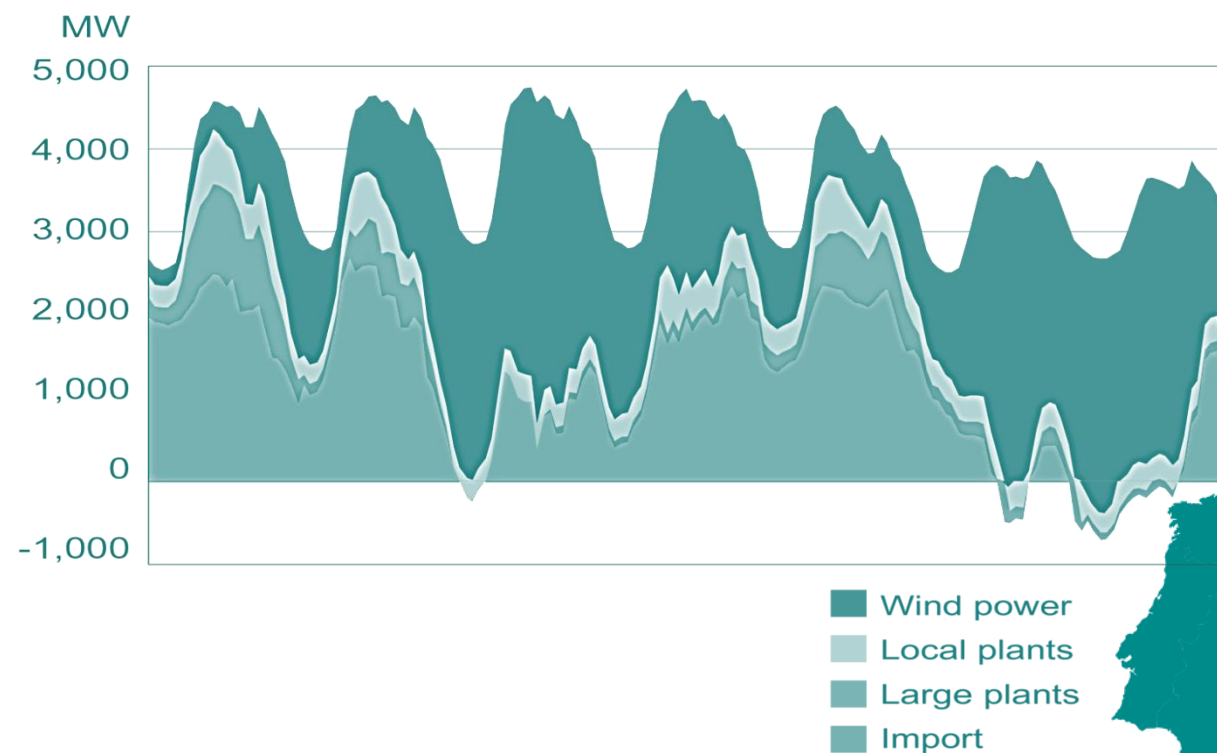


SYNERGIES
TODAY

ENERGY
ACROSS BORDERS

EXAMPLE: SYNERGIES ACROSS BORDERS

- together with flexible, energy efficient operation



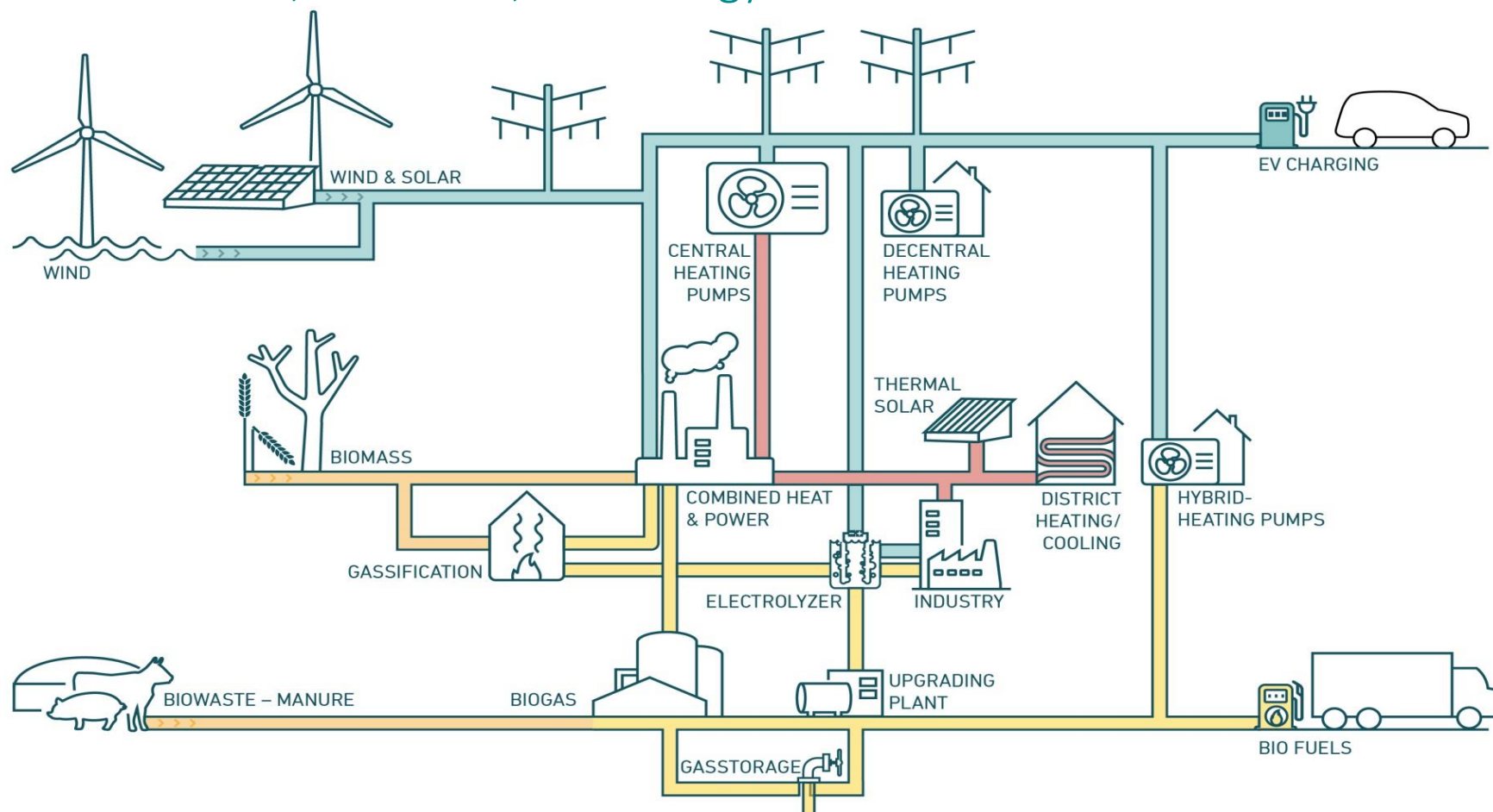


SYNERGIES
TOMORROW

ENERGY
ACROSS BORDERS
AND SECTORS

POTENTIAL SYNERGIES IN CONNECTED SYSTEMS

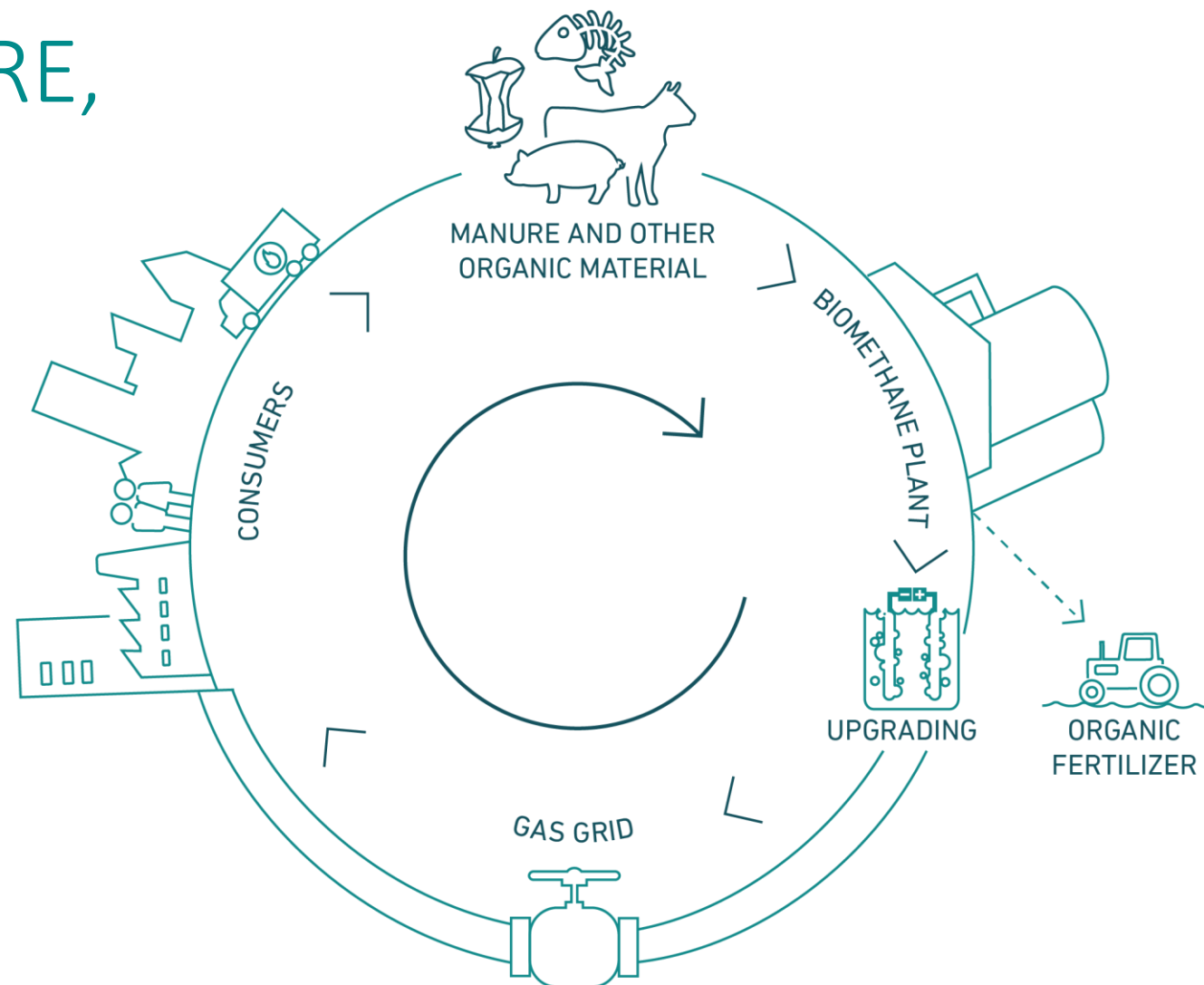
- between sectors, resources, and energy carriers



EXAMPLE: AGRICULTURE, WASTE AND GAS

Biomethane recirculate limited resources and contributes to reduced emissions

- Waste reuse contributes to circular economy
- Reduces pollution of ground water, fjords and sea
- Closed loop - waste from cities is used locally for heat, power, and fuels for busses



CASE: NORTH SEA WIND POWER HUB

INVESTIGATING LINKS BETWEEN COUNTRIES, RESOURCES, AND SECTORS



VISION

Harvesting benefits of offshore wind power in the North Sea in an innovative hybrid project combining grid connection of wind power with interconnectors, and providing green energy to millions of Europeans.

THE WAY FORWARD: UTILISE SYNERGIES

- Avoid silo based analysis and policy
- Put attention to barriers for energy conversion
- Roles and definitions may have to be redefined
- Focus on technology development in hybrid, conversion and storage
- Remember digitalisation – it is an enabler for a renewable energy and energy efficiency



QUESTIONS?

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