

Unintended Consequences of EU-Climate Policies: Carbon Leakage in Global Forest and Agricultural Markets

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EU Climate Targets of March 2026



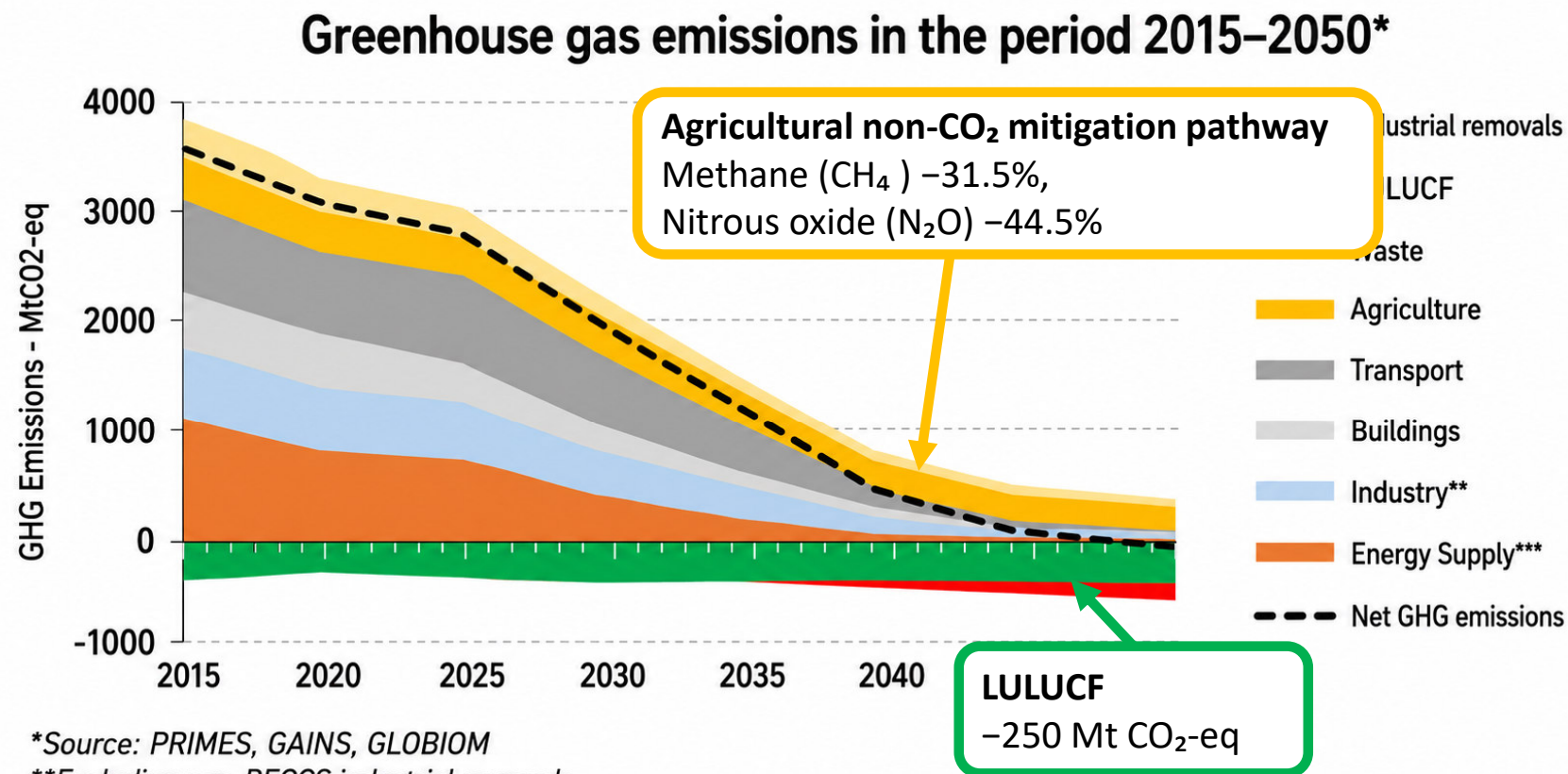
Source: European Commission, 2025

-90 % net GHG emissions by 2040 (Ref. 1990)

-85% must be achieved through domestic emission reductions

-5% may be met through international carbon credits

EU Climate Targets of March 2026 – S3 Impact Assessment



*Source: PRIMES, GAINS, GLOBIOM

**Excluding non-BECCS industrial removals

***Including Bioenergy with carbon capture and storage (BECCS)

Source: European Commission, 2025

Research Question



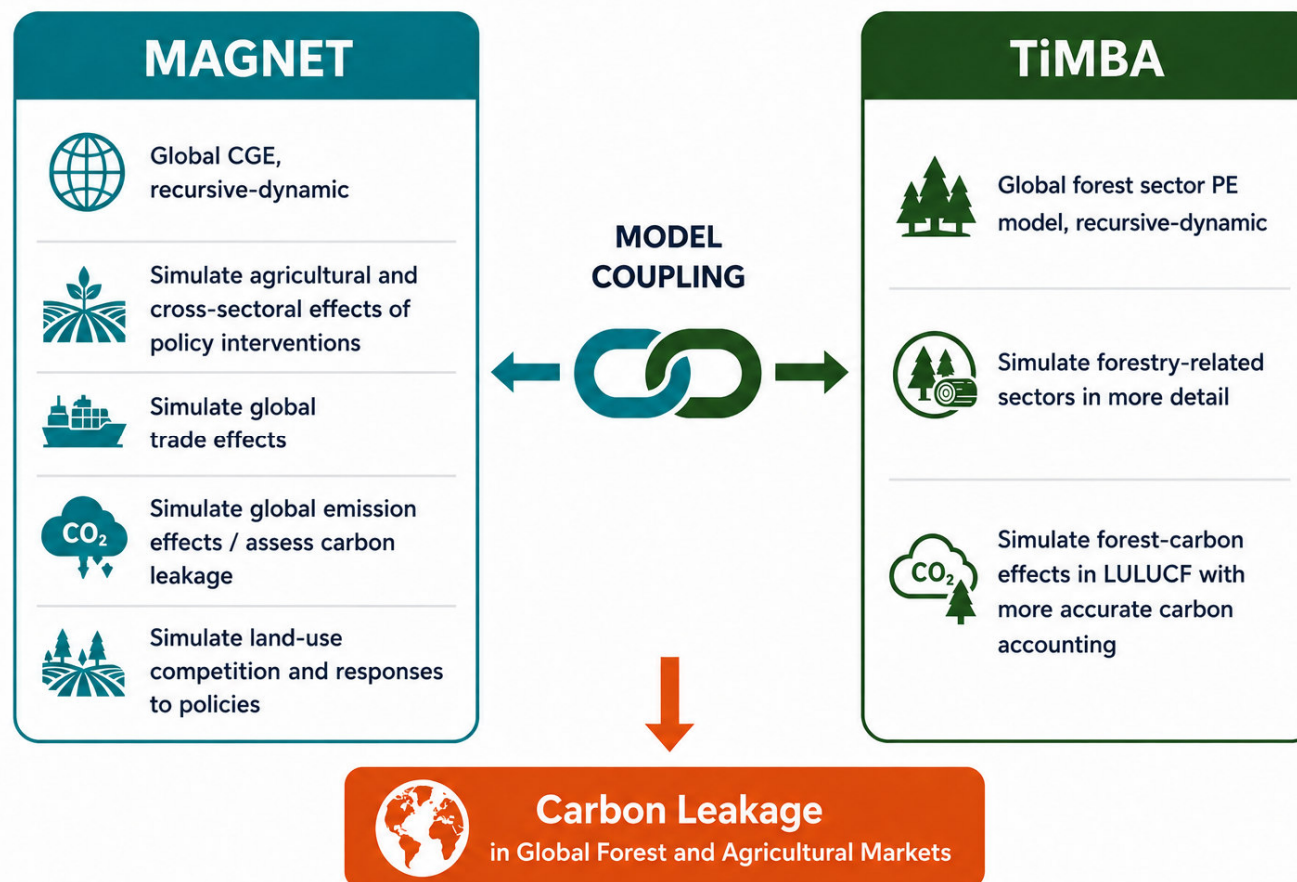
Does the EU climate target affect

- production,
- international trade patterns,
- emissions

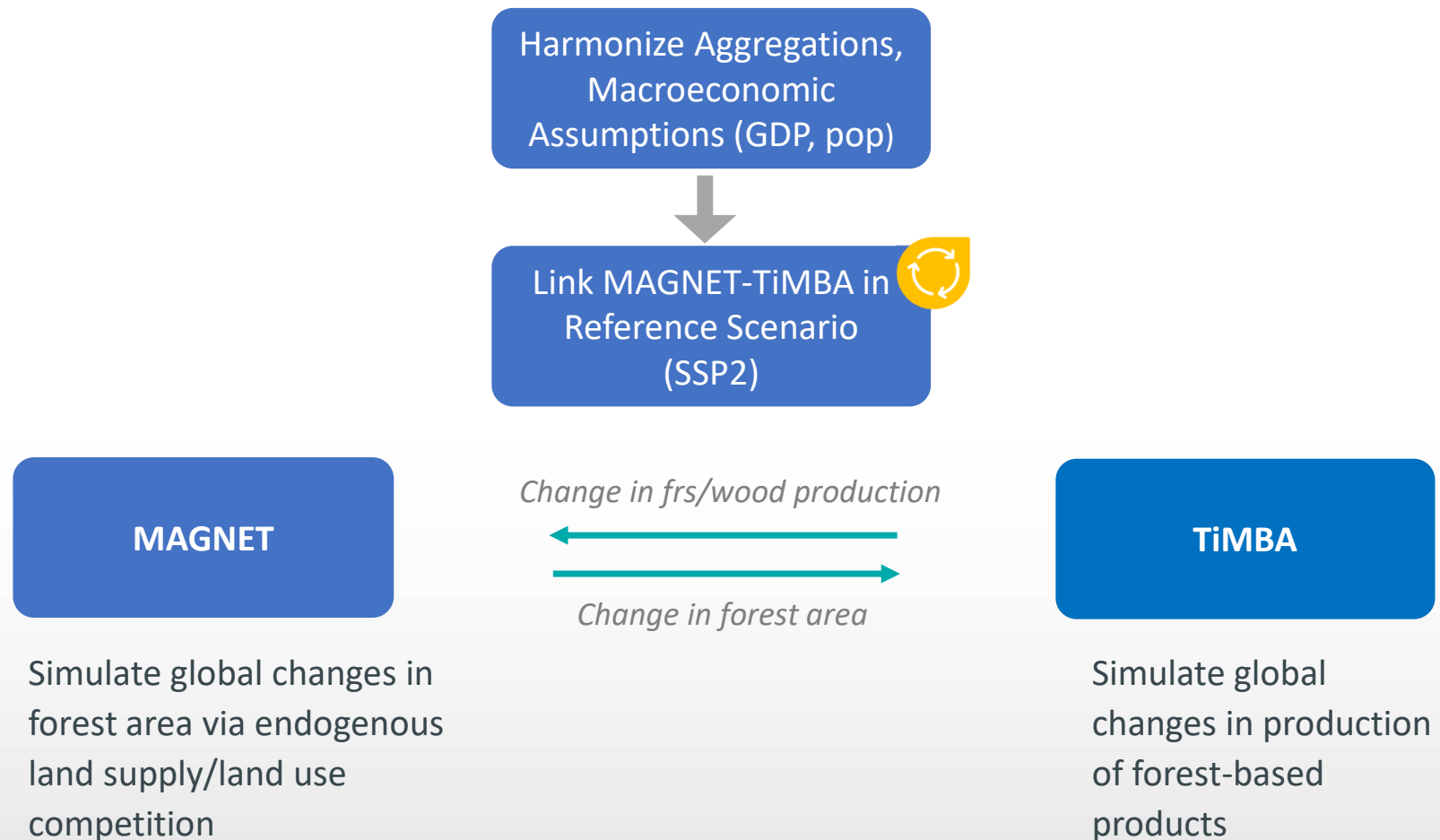
within the EU and in third countries
(Carbon Leakage)?

Focus: Agriculture & Forestry

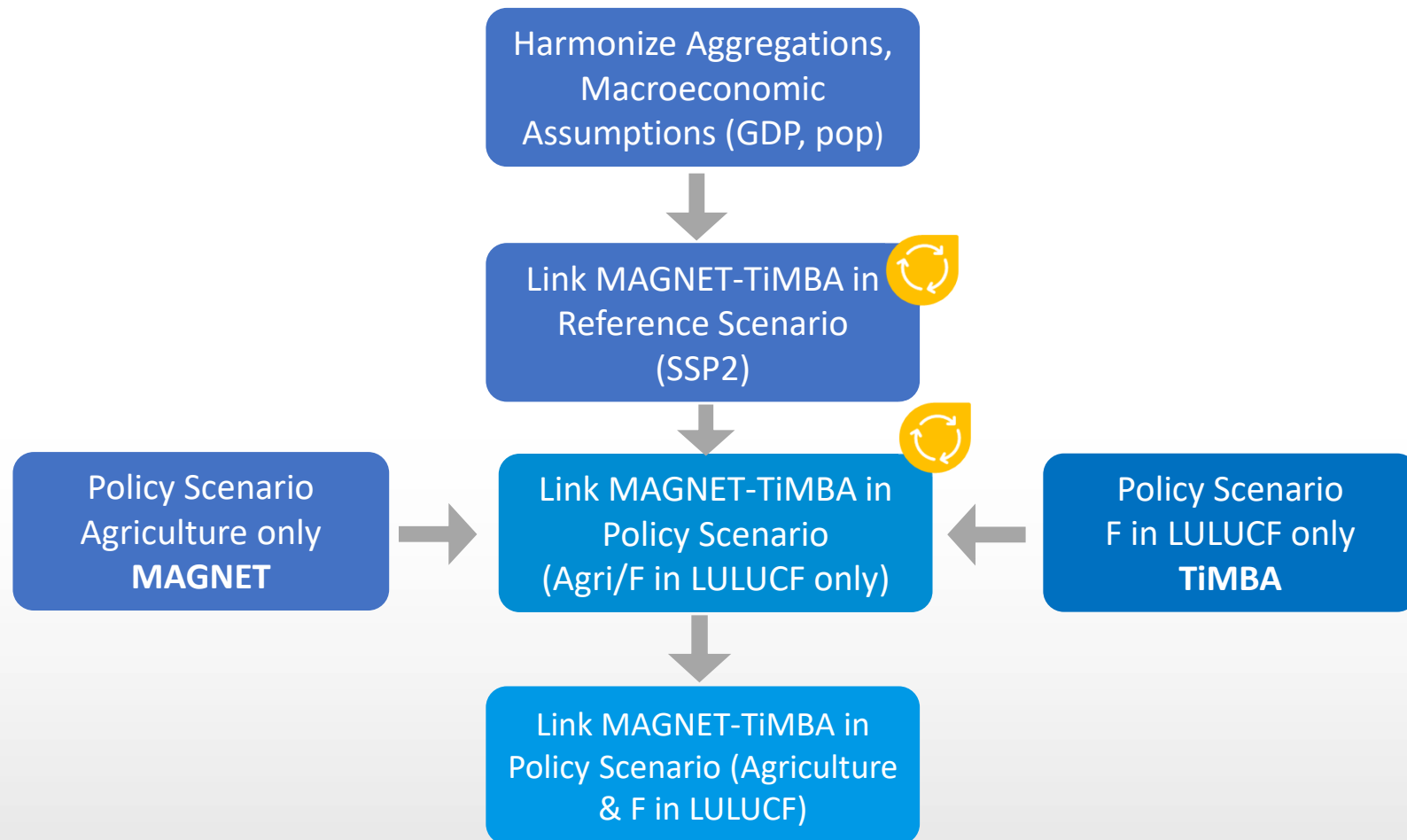
Methodology: MAGNET & TiMBA



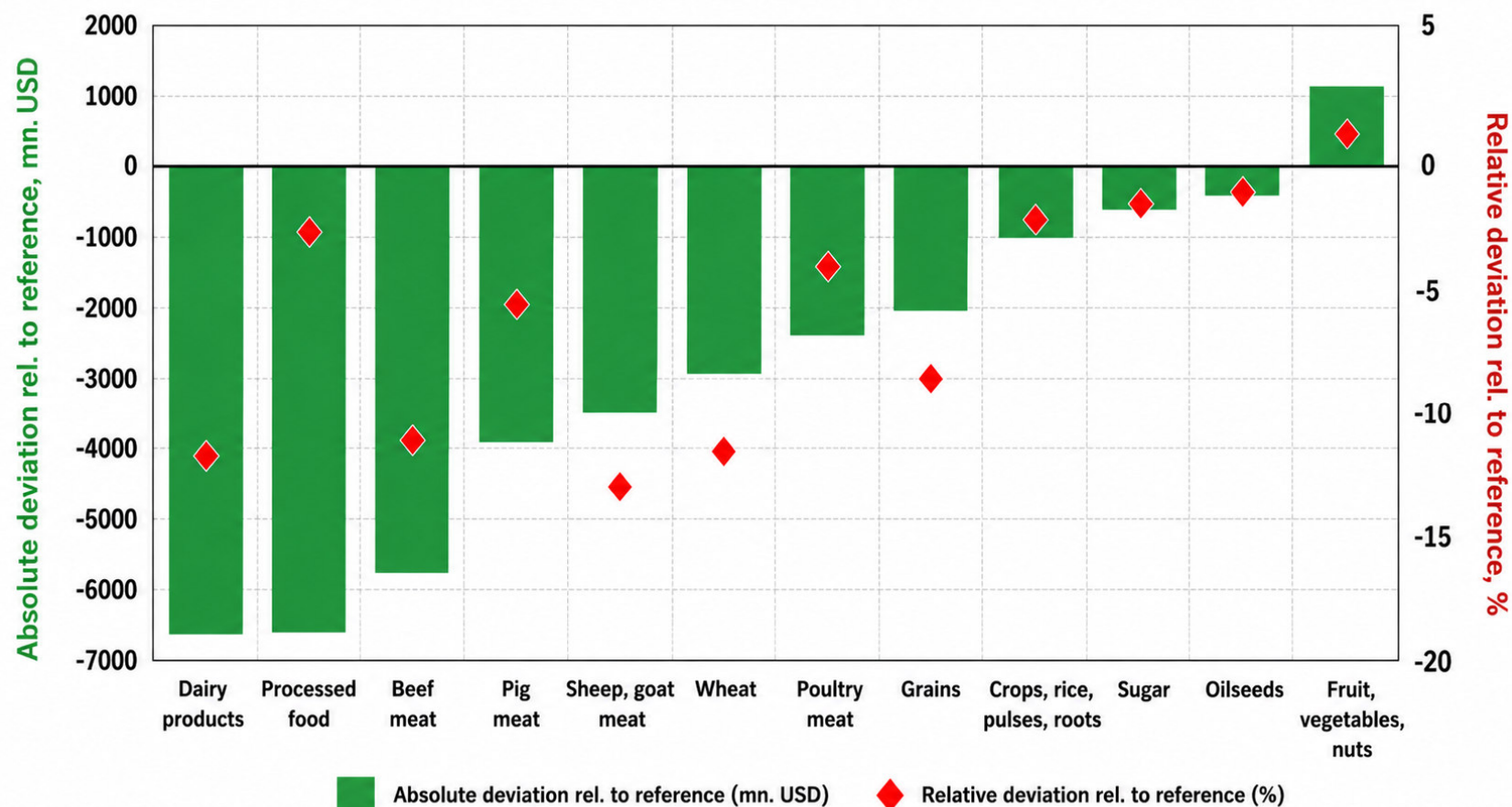
Methodology: MAGNET & TiMBA



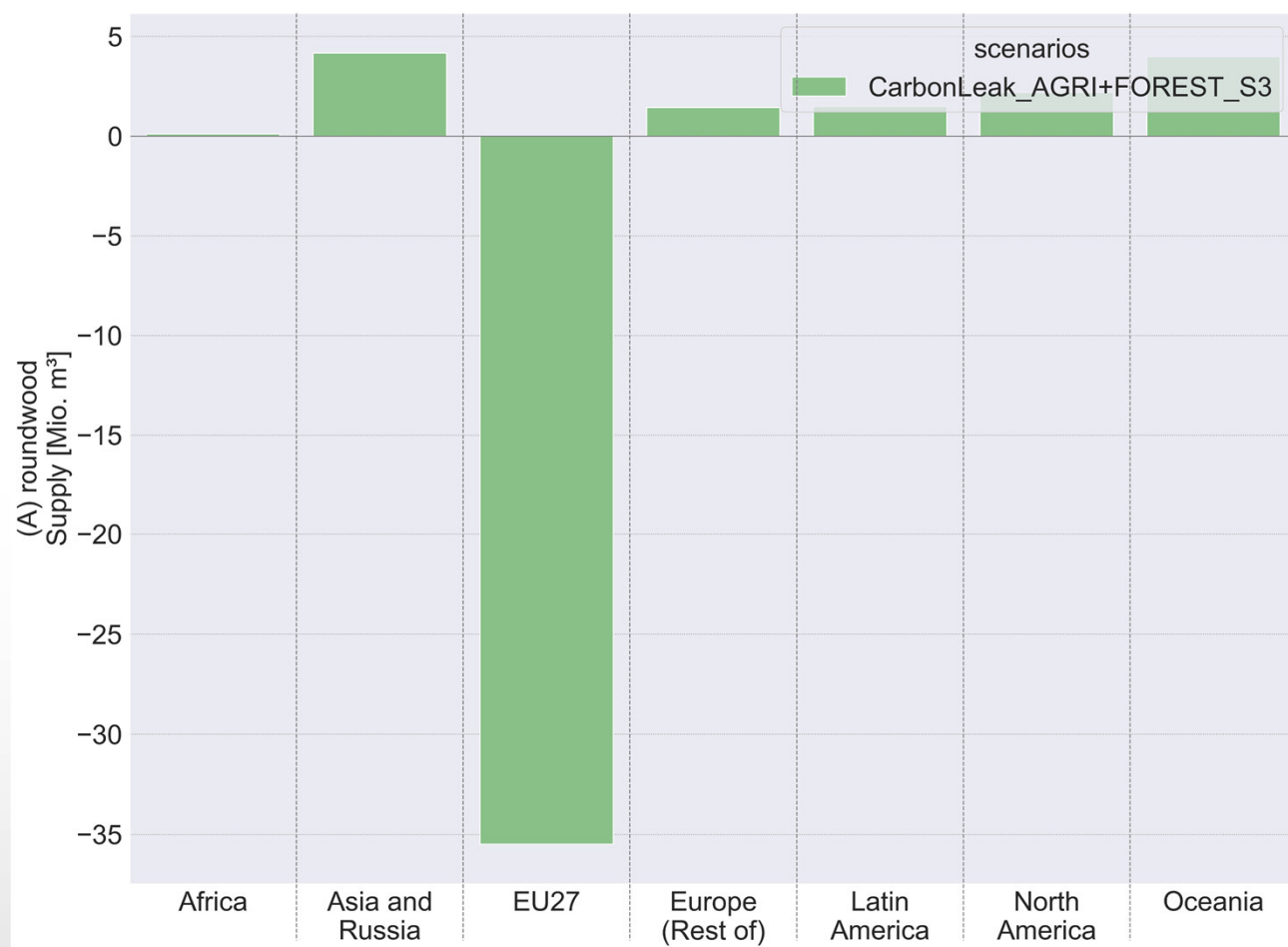
Methodology: MAGNET & TiMBA



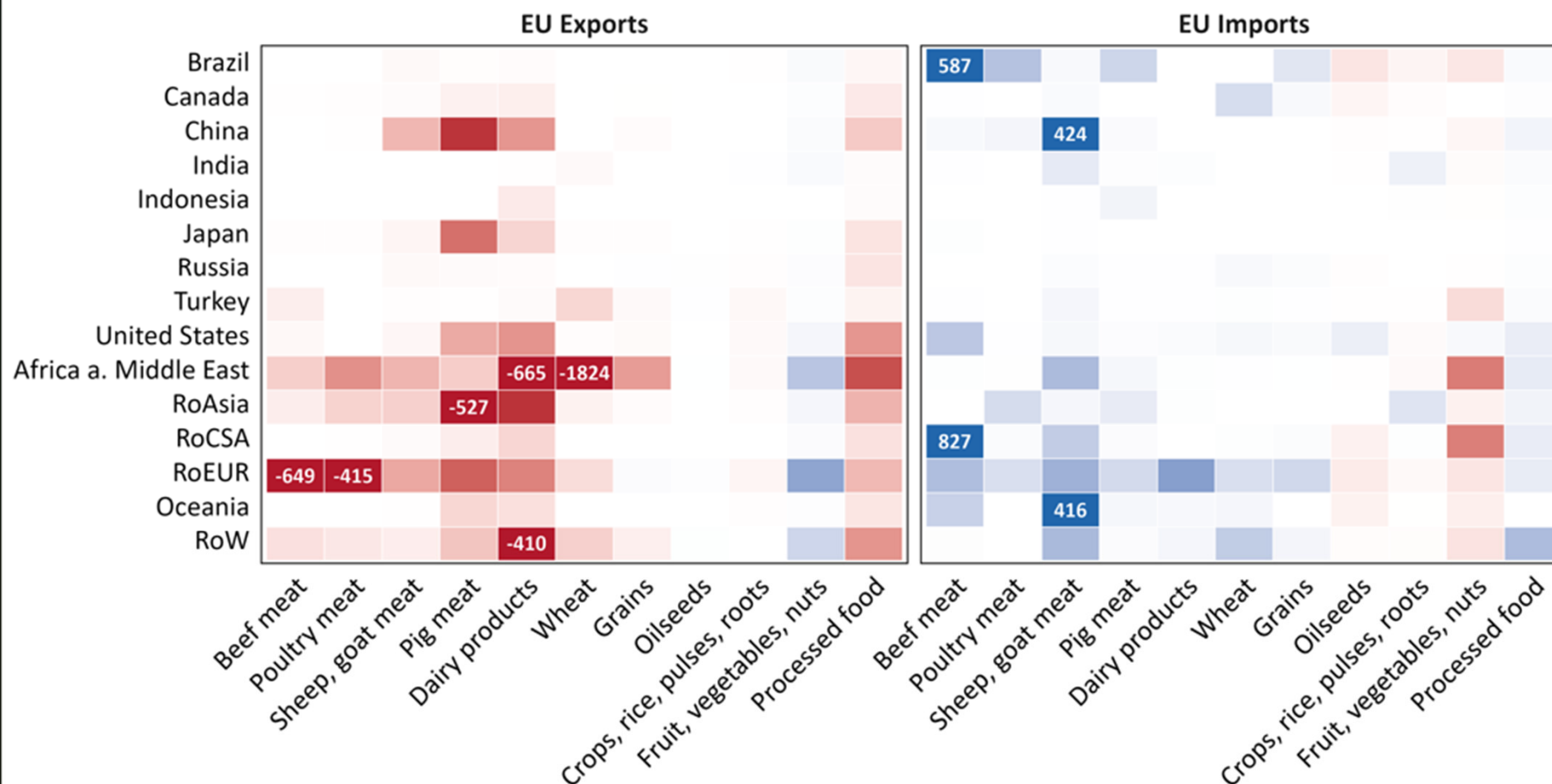
EU-Production Changes in Mio. US\$ 2050, relative to reference (agri + forest)



Forest-specific production Changes in Mio. m³ in 2050, relative to reference (agri + forest)



EU-Trade Changes in Mio. US\$ 2050, relative to reference (agri + forest)



Change in Agricultural GHG Emissions in 2050 Scenario rel. to reference (agri + forest)

