



Food and Agriculture Organization
of the United Nations



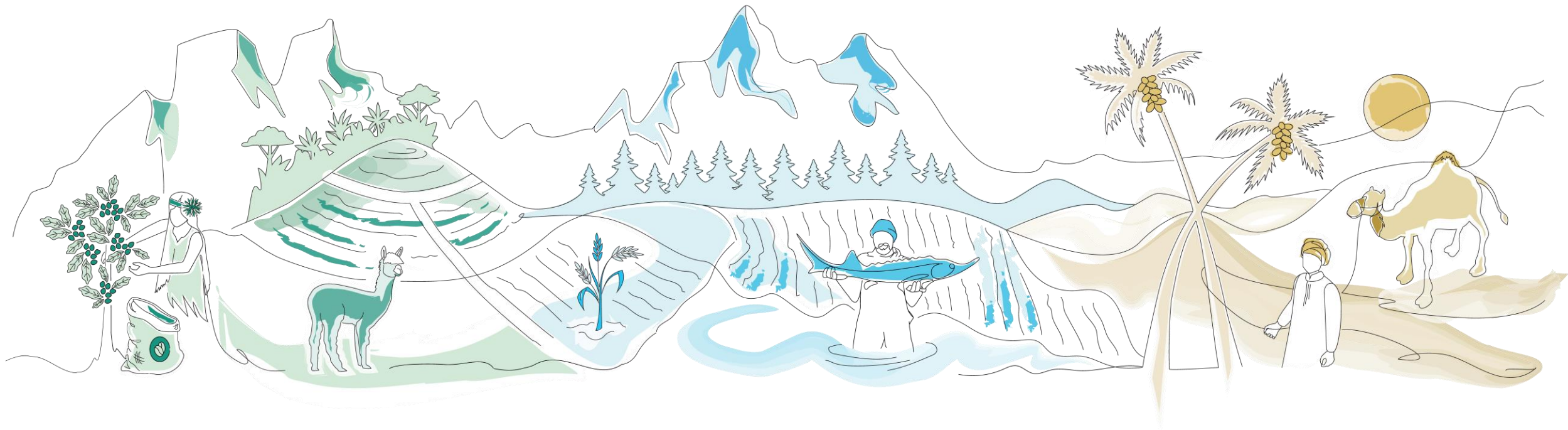
2025 SCF Forum

Session 1: Understanding Interlinkages and Regional Contexts Climate, Agriculture, Food systems and Food security

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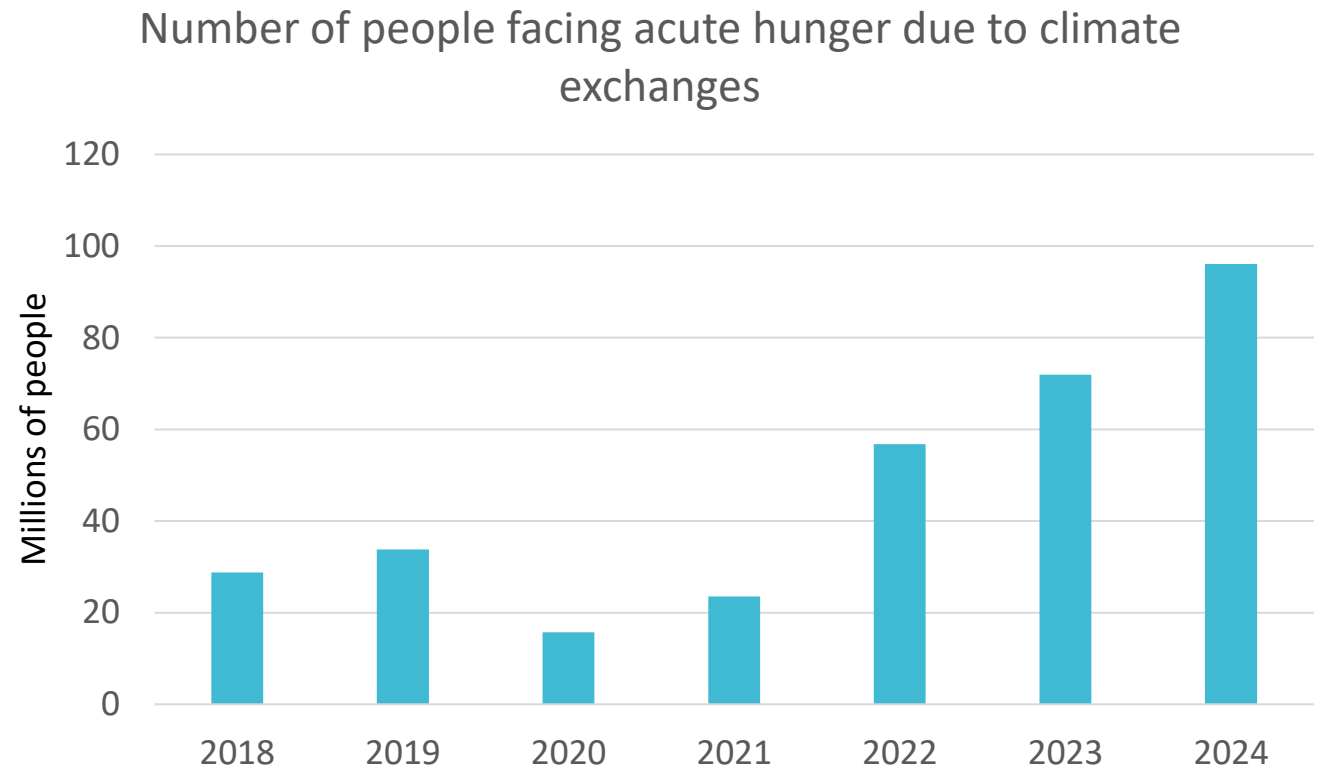
OFFICE OF CLIMATE CHANGE, BIODIVERSITY AND ENVIRONMENT





Global climate goals are unattainable without agrifood solutions

- Climate resilient agrifood systems are prerequisites for ensuring food security and alleviating hunger

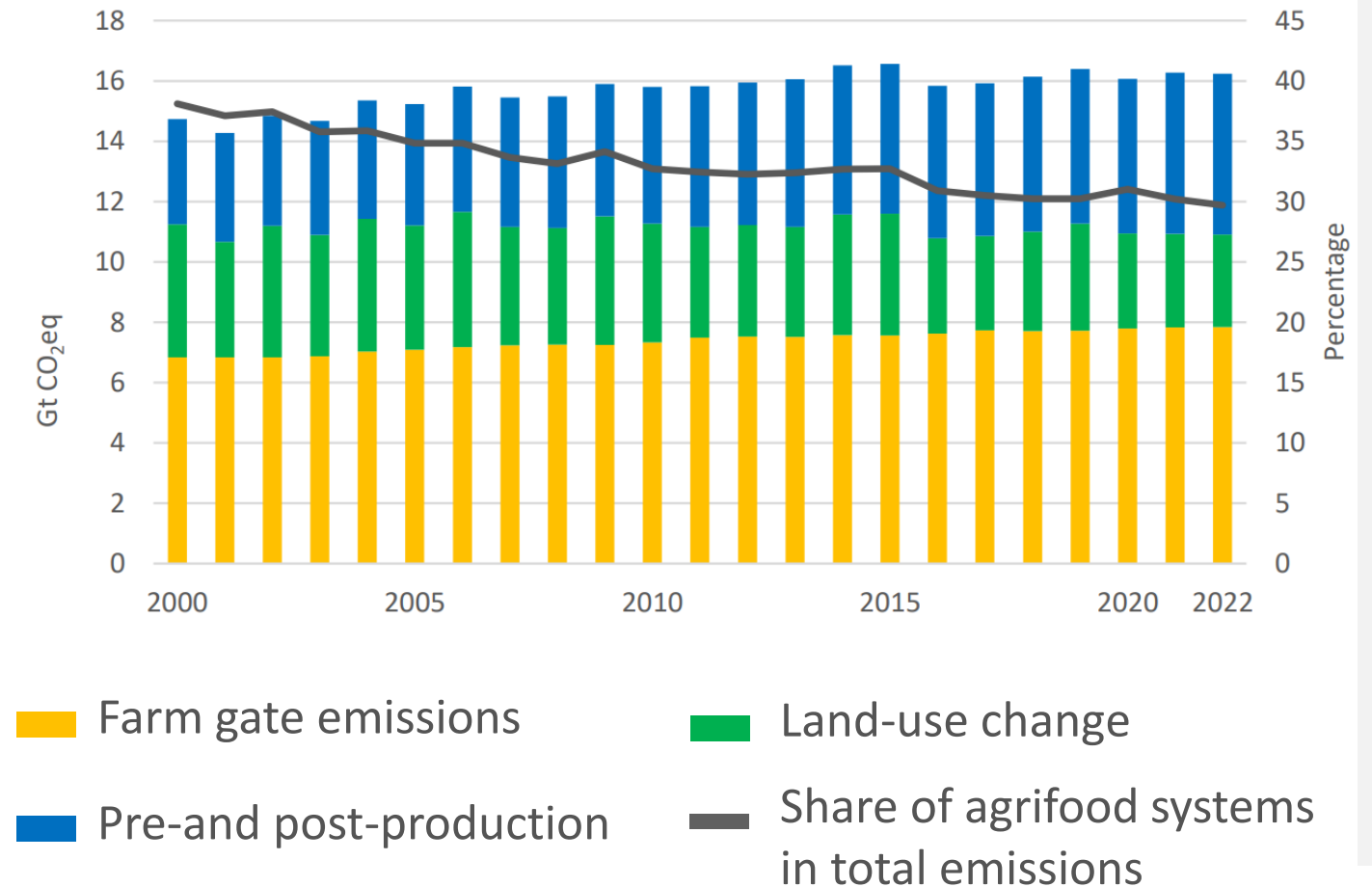




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- Climate resilient agrifood systems are prerequisites for ensuring food security and alleviating hunger
- Global emission reduction targets are out of reach without sustainable agrifood systems.

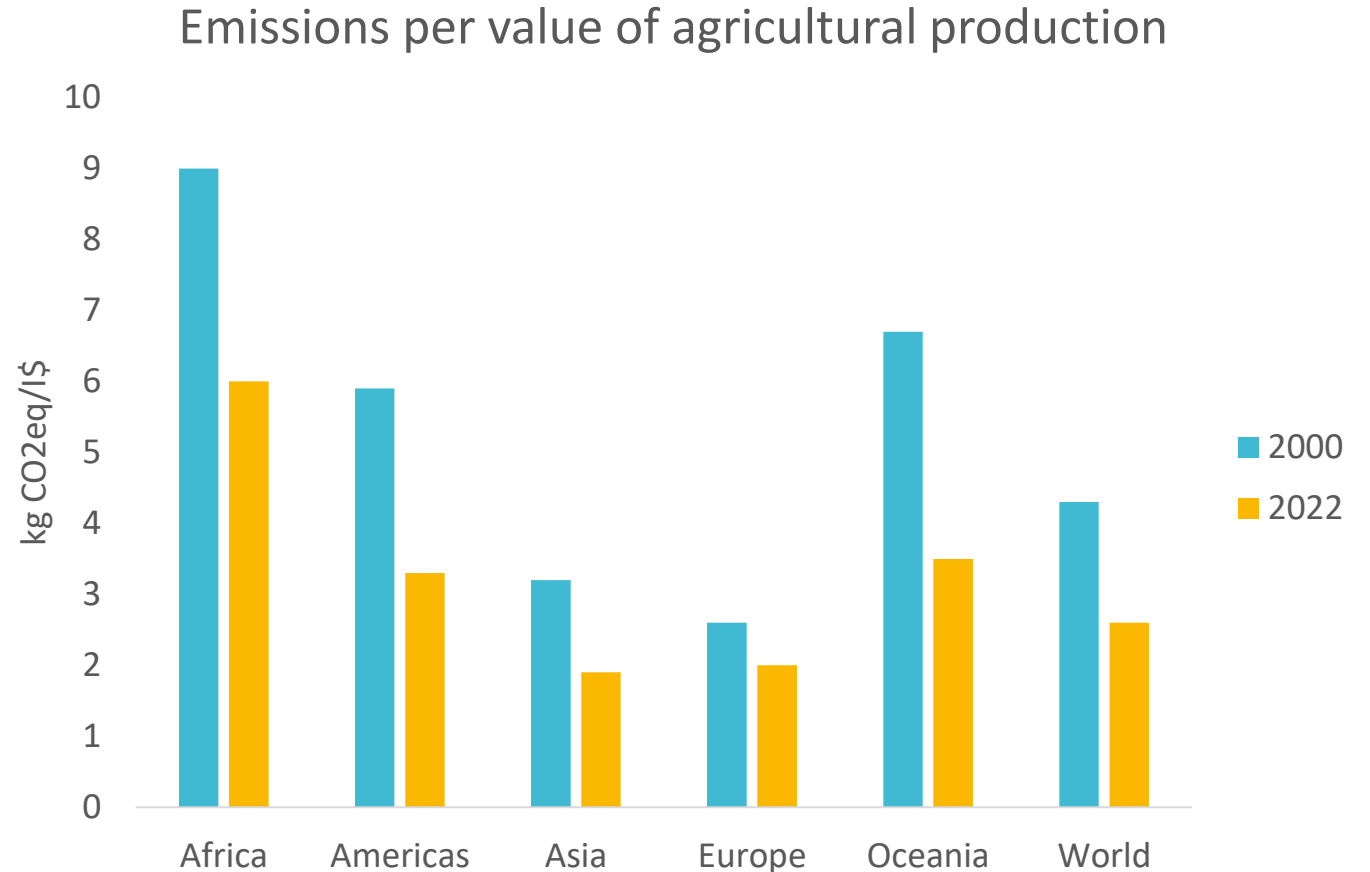
Global agrifood systems emissions by component and share of agrifood systems emissions in total emissions





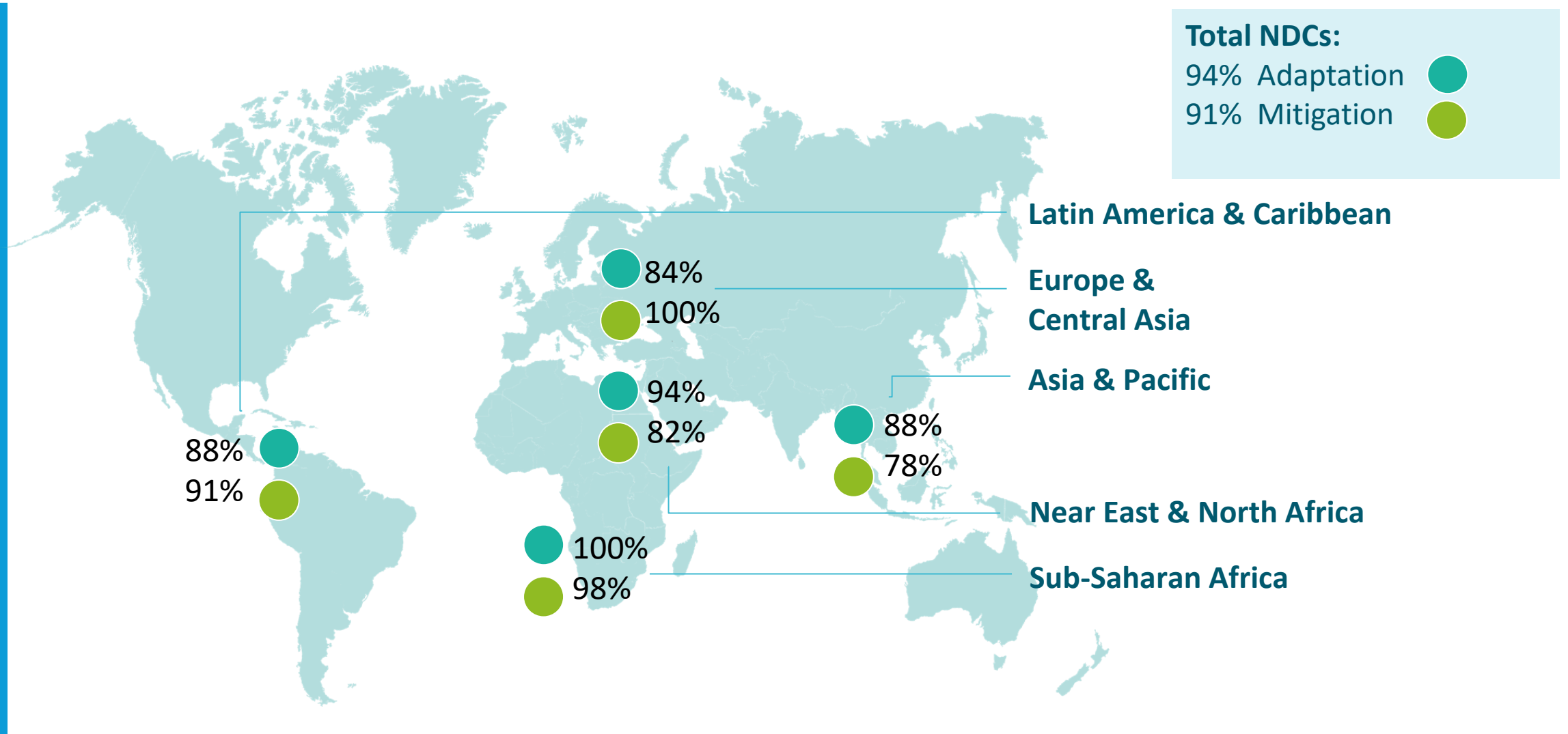
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Countries are recognising agrifood systems in NDCs



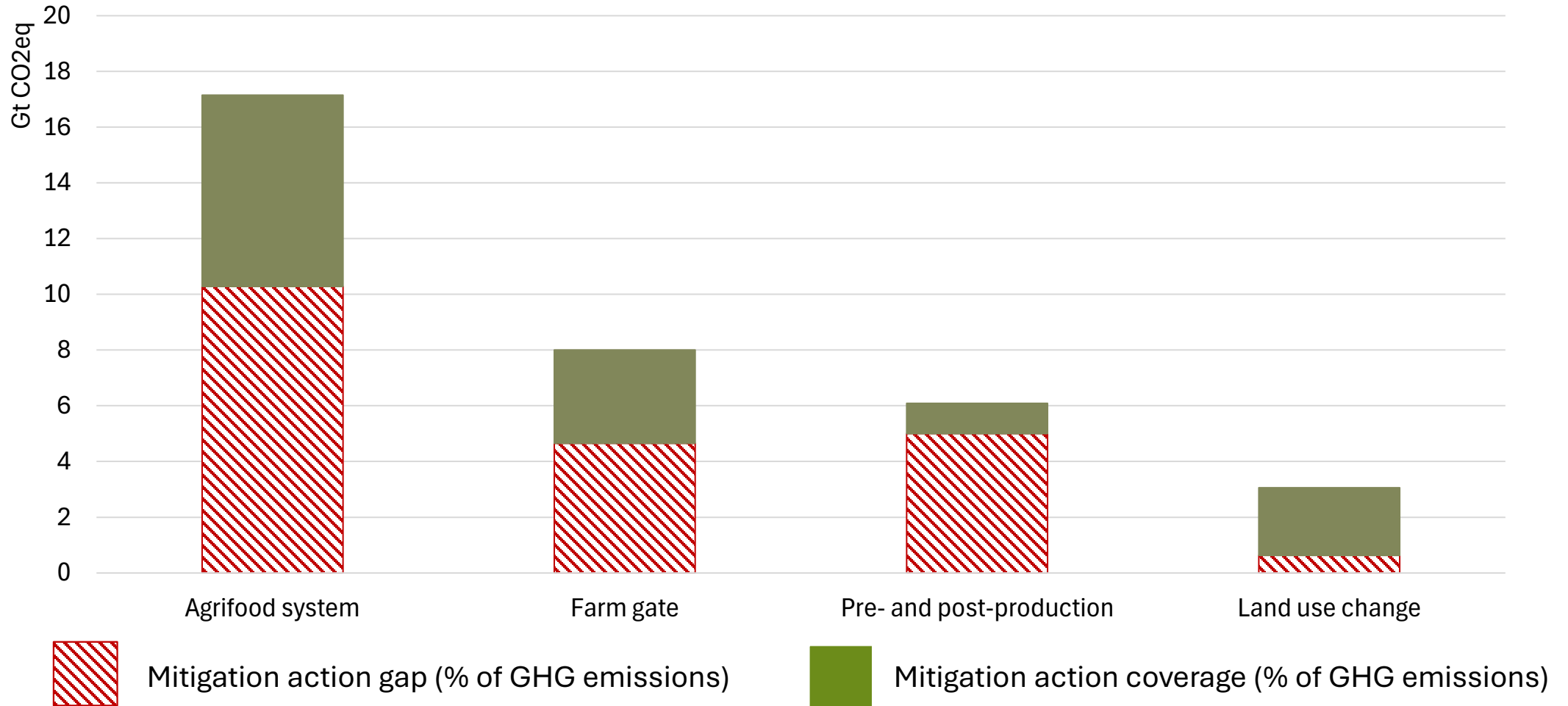
Percentage of NDCs prioritizing agrifood systems in their adaptation and mitigation components across per region

Source: FAO, 2025, Agrifood systems in Nationally Determined Contributions: Global analysis



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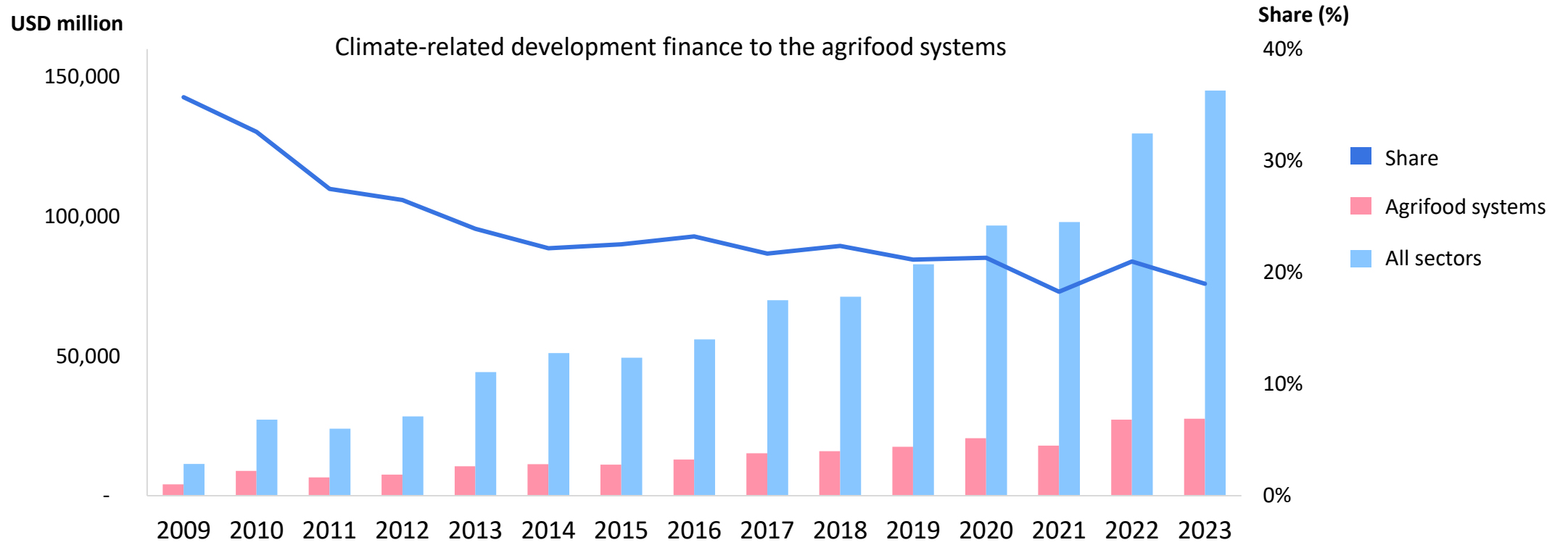
But mitigation actions cover only **60%** of agrifood system emissions and 20% of global GHG emissions





Climate finance flows into agrifood system are nowhere near its potential

While overall climate-related development finance continues to expand, agrifood systems are losing ground.

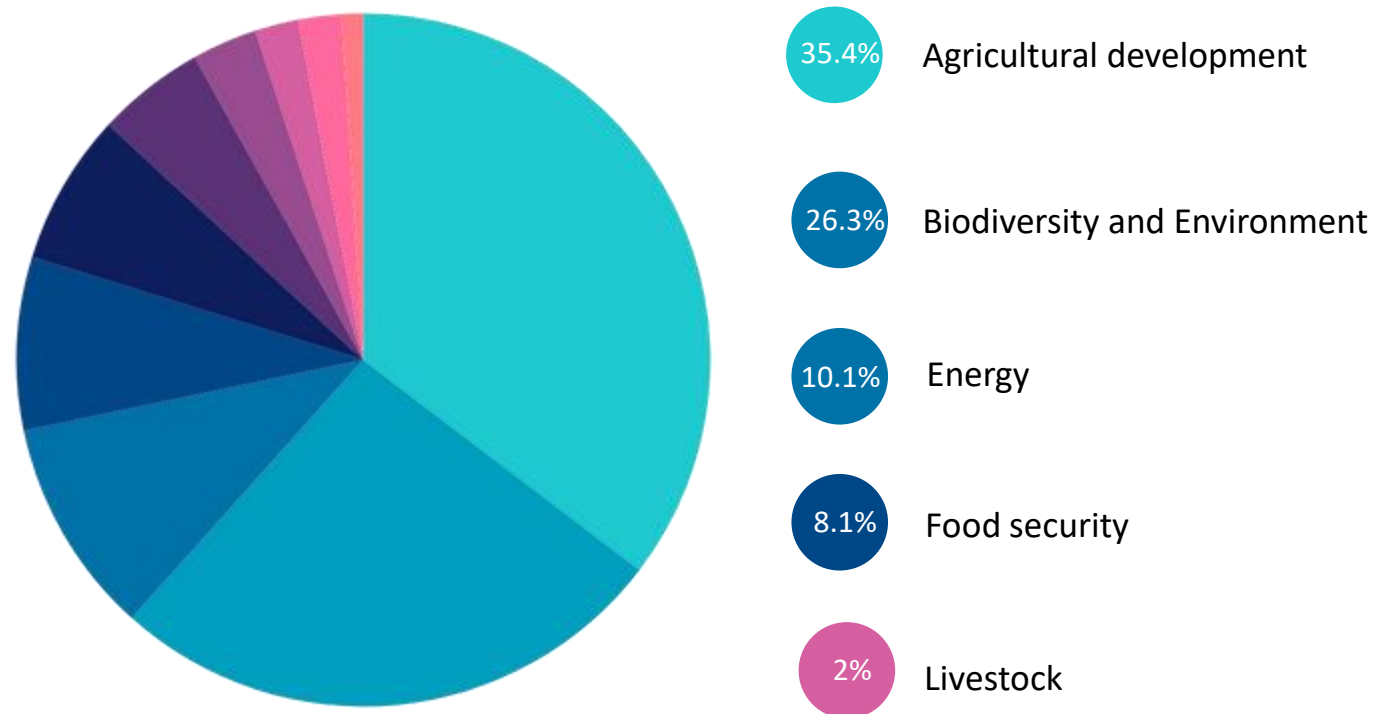




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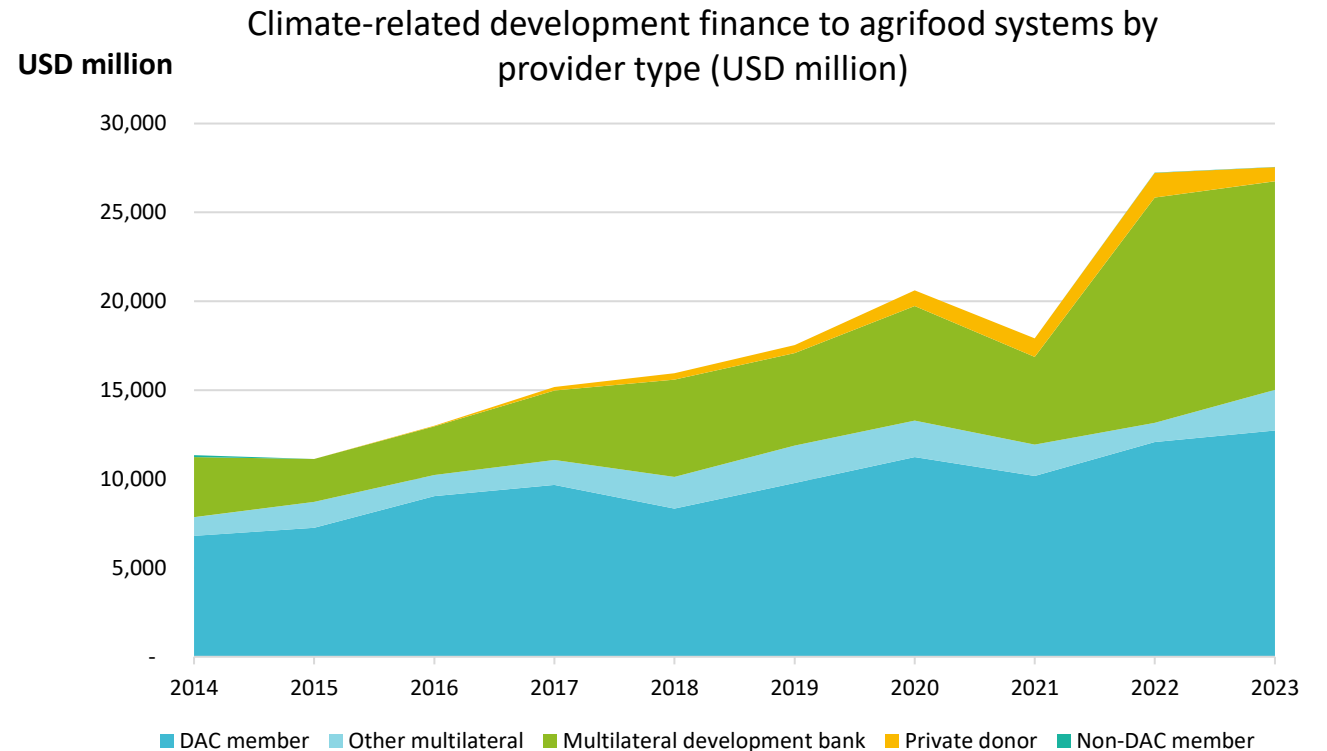
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...especially in high potential sectors for emission reduction, such as livestock.



Unlocking potentials of agrifood systems requires mobilizing all sources of climate finance

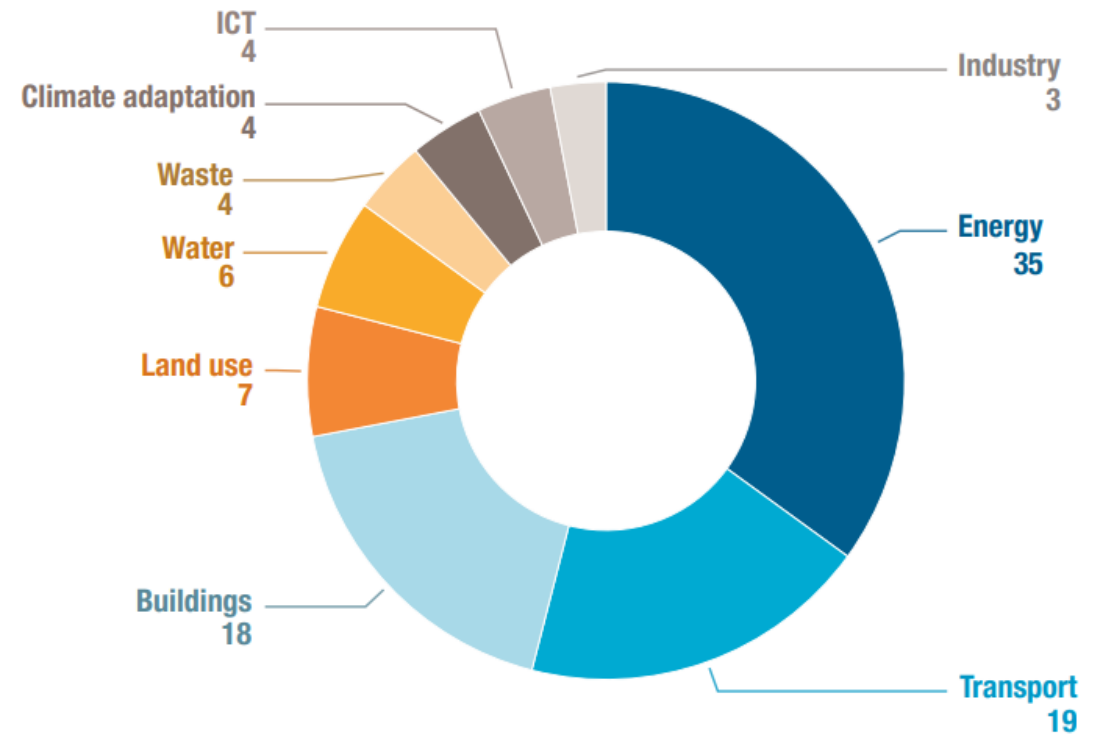
- International public finance as the necessary triggers for unlocking finance for agrifood



Unlocking potentials of agrifood systems requires mobilizing all sources of climate finance

- International public finance as the necessary triggers for unlocking finance for agrifood
- Making private climate finance work for agrifood, smallholder farmers, and rural communities

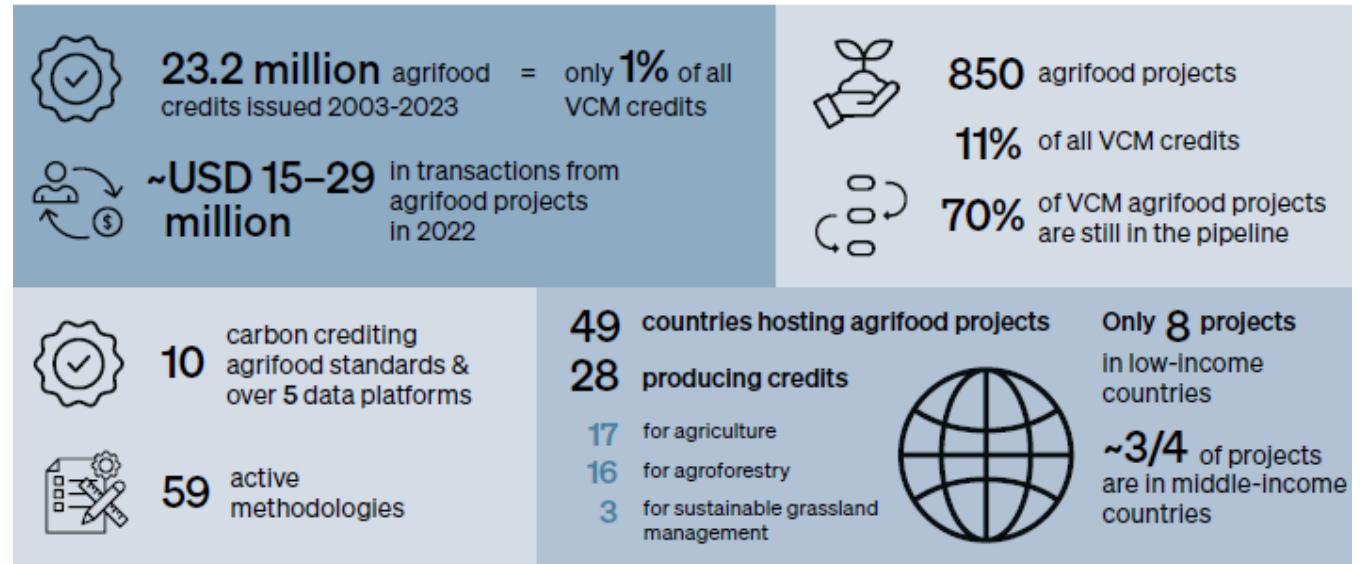
Global Green Bond issuance by sector (2024)



Unlocking potentials of agrifood systems requires mobilizing all sources of climate finance

- International public finance as the necessary triggers for unlocking finance for agrifood
- Making private climate finance work for agrifood, smallholder farmers, and rural communities
- Tap into new and innovative sources of climate finance

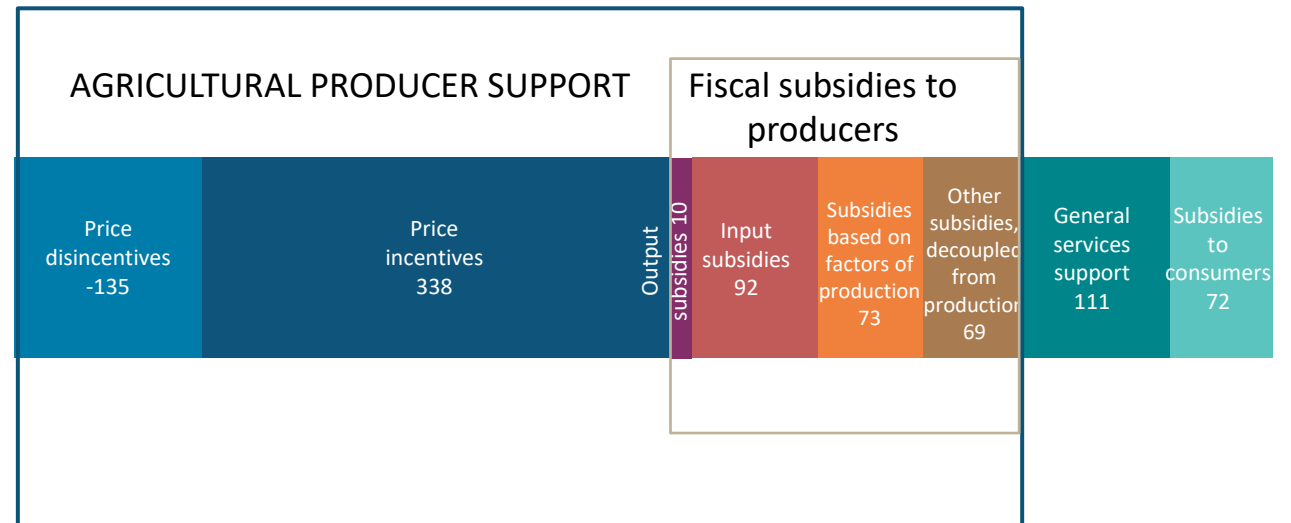
Agrifood systems and smallholders remain a fraction of voluntary carbon markets.



Unlocking potentials of agrifood systems requires mobilizing all sources of climate finance

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- Making private climate finance work for agrifood, smallholder farmers, and rural communities
- Tap into new and innovative sources of climate finance
- Optimising domestic spending for positive returns on agrifood, climate, and resilience

Level and composition of global support measures to food and agriculture (USD billion, average 2013-18)





Office of Climate Change, Biodiversity and Environment
www.fao.org/climatechange

