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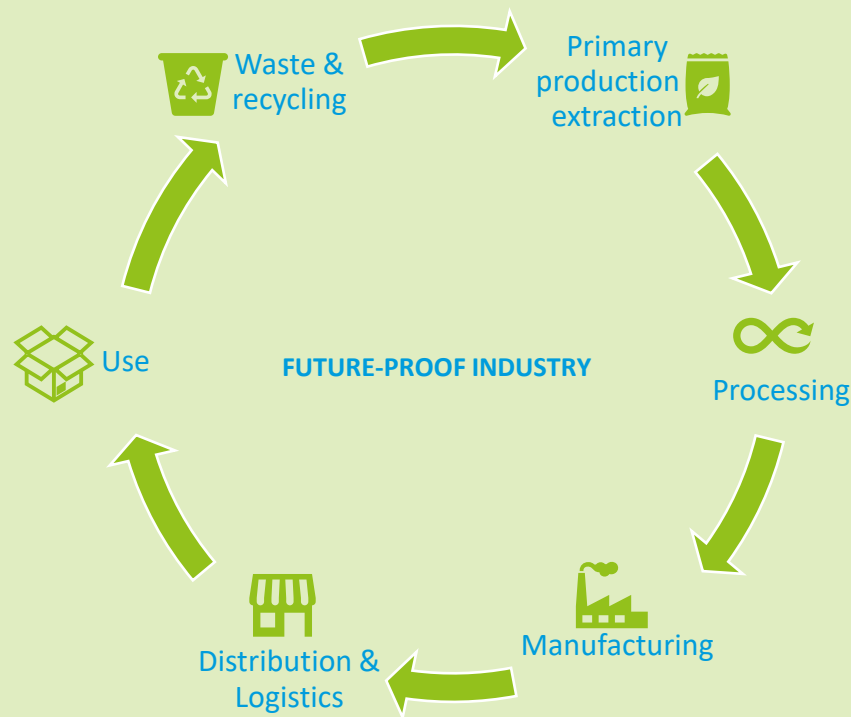
Innovative approaches towards a sustainable bioeconomy

Presented at the EMG Nexus Dialogue on Sustainable Bioeconomy
9 May 2025



BIOECONOMY & INDUSTRY

- *Circular bioeconomy **supports nature-positive investments** that can drive transformative changes in primary production and agrifood systems, optimize land and water use, and overall emphasize resilience within natural ecosystems.*



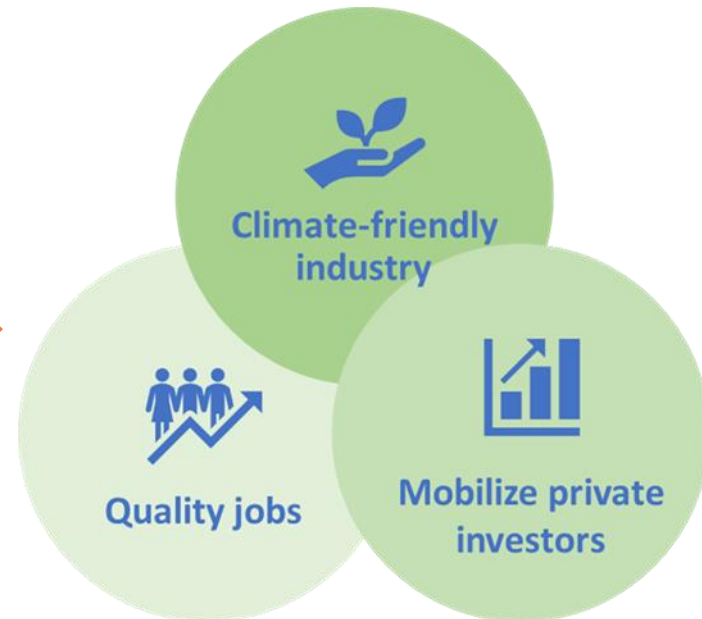


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THEMATIC PRIORITIES

- Clean energy & climate change
- Ending Hunger
- Sustainable supply chains
- Cross cutting





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UNIDO Approach

Value chain approach



- MDA & Institutions



- Research & academia



- Private sector & industry associations

Innovative financing solutions



- Innovative guarantee facility to ease access to credit and de-risk investments



- Investment facility with blended finance for SMEs



- Micro-financing facility for women/youth-led biobased MSMEs



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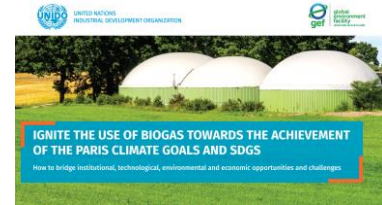


Traditional approaches

Biofertilizers, biofumigants and biopesticides Network (early 2000s-)

Funded by GEF & Montreal Protocol

- Alternative to POPs pesticides
- Animal and farm waste to biogas
- Development of national & regional plans
- Establish enterprise development & skills development units





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Traditional approaches

Strengthening the business case of small-scale pyrolysis in Vietnam:

Funded by SECO

- Under UNIDO's Global Eco-Industrial Parks Programme (GEIPP)
- Supported development of a market for the biochar technology in Vietnam
- Mechanism successfully transferred to coffee farming systems in Vietnam.
- Machinery producers exported technology to a start up in Cambodia





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Innovative approaches

Accelerate-to-Demonstrate (A2D) Facility (2023-2029):

Funded by UK

to support the race to net zero in energy and industries
and contribute to GHG emission reductions on ODA
eligible countries:

- Identify industries, SMES, start-ups, and institutions that have technology innovations
 - Biobased industries, *critical minerals*, *green hydrogen & cross cutting*,
- provide specialized technical assistance and grants to accelerate the development and commercialize their innovations.





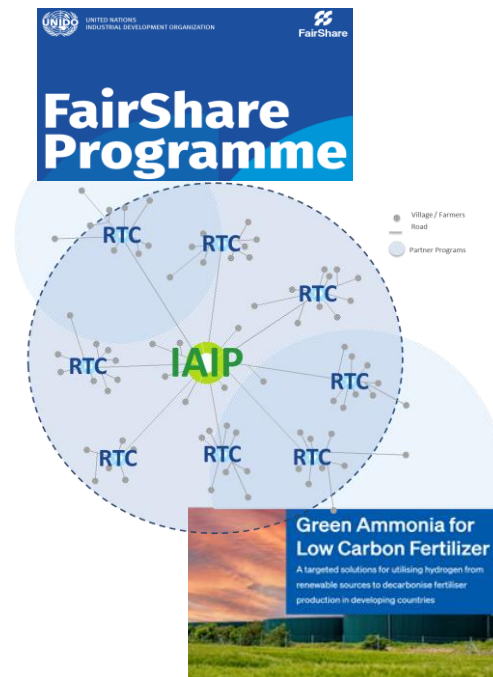
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Innovative approaches

Integrated agro industrial parks (IAIPs)

- Scaling up within the sustainable food systems context
- Foster industrial symbiosis
- Foster innovation
- Derisking strategy for investment





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THANK YOU

