

FAO-TEC joint activity on agrifood systems and climate technology



- **TEC, in collaboration with FAO**, have been working on climate technology uptake in agrifood systems as per the TEC rolling workplan for 2023-2027.
- In 2024, the first step was the development of a report on how to **transform agrifood systems and agrifood value chains** through the **uptake of climate technology**.
- It analyzes the **needs, barriers** and opportunities to address challenges and provides case studies of various countries.
- The report was **launched at the high-level dialogue at COP 29** convened by FAO and TEC and responds to the findings of the **GST**.



United Nations Climate Change
Technology Executive Committee

Key recommendations



- **Climate technologies in agrifood systems are an essential means of accelerating progress** on adaptation, resilience and emissions reduction.
- **Effective implementation of climate technologies must be embedded within agrifood system transformation** including improving production, nutrition, natural resource management and livelihoods. There is often complementarity but trade-offs also exist.
- **Important to consider the entire agrifood value chain** (processing, distribution and consumption) in climate technology needs assessments. Until now, much of the focus has been on production.



Key recommendations



- **Capacity strengthening is needed to realize the benefits of climate technologies** already available for deployment.
- **Scaling up climate technologies and facilitating their effective implementation** requires not only a significant increase in funding but also **targeted financing tailored to support investments informed by Technology Needs Assessments (TNAs) and evaluations of capacity needs.**
- **Stronger cross-sector integration is essential**, leveraging insights and outcomes from existing initiatives to guide Nationally Determined Contributions (NDCs). This strategy should **address context-specific challenges while ensuring consistency between implementation outcomes and financing investment criteria.**



Conclusion

- 1. Agrifood systems are at the heart of integrated solutions to tackle the interconnected challenges of climate change, biodiversity loss, land degradation, food insecurity, and poverty. Climate technologies will play a critical role in delivering these solutions and driving progress toward achieving Nationally Determined Contribution (NDC) targets.**
- 2. Directing finance to agrifood systems and ensuring this finance effectively reaches agricultural communities is critical.**
- 3. The transformation of agrifood systems must be just, equitable, inclusive and gender responsive for maximum impact.**

