

ADAPTATION AND RESILIENCE BUILDING

# Green Resilient Agricultural Productive Ecosystems (GRAPE) Field of Action 2

Introducing solutions to improve climate resilience and sustainability of agroecosystems



## Background

As part of the Green Resilient Agricultural Productive Ecosystems (GRAPE) project, ICIMOD's Regional Programme on Adaptation and Resilience Building is taking the lead in implementing GRAPE Field of Action (FA) 2 in Karnali and Sudurpashchim provinces of Nepal. GRAPE's four fields of action – economic governance, action research, roll-out, and upscaling – aim to make agroecosystems more sustainable and climate resilient through innovation and capacity building.

Through action research and production of knowledge, GRAPE FA 2 fosters climate-resilient food production and enhances digital access of farmers (to agro-advisories, weather forecasting, and market information services) in selected demonstration sites. The approaches and innovative solutions developed will be scaled up by sharing the knowledge and lessons learned and engaging with policymakers and line agencies at the provincial and national levels.

GRAPE is jointly planned and financed by the European Union, the Ministry of Foreign Affairs of Finland, and the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

## Expected outputs



Package, demonstrate, and test climate-resilient agricultural solutions at the community levels



Co-create evidence-based knowledge and make available knowledge products



Scale up climate-resilient solutions at municipal and provincial levels

## Project goal

Improved climate-resilient agricultural practices for wider adoption

## Project duration

October 2021–October 2024

**7** districts in Sudurpashchim and Karnali provinces

**19** municipalities

## Partners



### Implementing partners for field-level activities

- Local Initiative for Biodiversity, Research and Development (LI-BIRD)
- Center for Environmental and Agricultural Policy Research, Extension and Development (CEAPRED)



### Collaborative action research partners

- Agriculture and Forestry University
- Mid-West University
- Far Western University
- Nepal Agricultural Research Council



## Unique approach

- Co-create knowledge through collaborative action research with communities and nodal government agencies and universities
- Complement and integrate scientific information with local knowledge, culture, and traditions
- Engage with governments at all levels for scaling the approach
- Harness existing networks and platforms to understand and address key agriculture issues
- Seeing is believing: Encourage communities to use demonstration sites and learning centres to observe, test, assess, and apply the solutions
- Right-based approach and inclusion of diverse groups: Ensure increased access to climate-smart agricultural technologies for women, indigenous people, smallholder farmers, and marginalised groups



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## For further information

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