



## THAILAND

# Innovation networks for sustainable agriculture

Promoting innovative solutions for strengthening the sustainability of agricultural production and management systems



**PROJECT TITLE**  
 German-Thai Cooperation Project to Promote Sustainable Agricultural Production Systems/Management through Innovation Networks

**TIMEFRAME**  
 01/2024 to 12/2026

**AS OF**  
 January 2024



Supply Chains



Agricultural Extension



Climate Adaptation and Climate Protection

## The Agriculture in Thailand

Thai farms are still predominantly small and medium sized. Structural change is imminent in the coming years, as farm managers are ageing and the profitability of small-scale farming is insufficient to maintain the farms. Soil fertility is declining due to inappropriate management practices and overuse of agrochemicals. Farmers lack the knowledge to minimise the environmental impact of farming or to mitigate the risks deriving from Climate Change.

## The Project

The project contributes to the efforts of the Thai Government to transform the Thai agriculture and food sector. It builds networks of Thai and foreign technology and service partners, farmers, and other stakeholders, in important value chains of the country to implement and showcase innovative solutions based on the concept of agroecology improving the sustainability of agricultural value chains in Thailand. The results of the demonstrations will be made available to all networks partners and beyond to increase the adoption of these innovations and thus the sustainability of Thai agricultural production.

## Project Goals

- Build networks of technology and service partners, farmers, and other stakeholders in important value chains of Thailand,
- Link suppliers and potential users of sustainable innovations,
- Jointly develop, implement and showcase selected sustainable innovations,
- Disseminate information on sustainable solutions and promoting their implementation by other network members.

With support from



Federal Ministry of Food and Agriculture

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Transport of sugarcane bales for energetic use.



#### PORTRAIT THAILAND

Thailand is located in Southeast Asia and has about 70 million inhabitants. With 513 thousand km<sup>2</sup> the country is about 1.5 times larger than Germany. In the north a tropical climate prevails, in the south a tropical monsoon climate. Thailand is a leader in the production and export of rice, sugar, tapioca and fruit.

## Results and Successes

The Project will increase the efficiency of the use of farm inputs and the farm productivity through increasing the mechanisation and digitalization of the agricultural production. It will reduce the particulate matter pollution from burning of crop residues through increasing alternative use of the residues and it will increase soil fertility through promotion of agroecological practices.

The project began its work on 1 January 2024. It builds on the findings of the first German-Thai bilateral cooperation project, which was successfully completed on 31 December 2023.

## Project Partners and Cooperations

- Ministry of Agriculture and Cooperatives (MOAC):
  - Bureau of Foreign Agricultural Affairs (BOFAA),
  - Department of Agricultural Extension (DOAE),
- Network of technology, knowledge and service providers in Thailand and abroad,
- Innovative Thai farmer and farmer groups,
- Other stakeholders of agricultural value chains in Thailand.

## Project Partner on Operational Level

Department of Agricultural Extension (DOAE) of MOAC  
2143/1 Phaholyothin Road, Chatuchak District, Bangkok 10900, Thailand

## Implementing Organisation

Consortium of GOPA AFC GmbH (AFC)  
and DLG International GmbH (DLG)



## German-Thai Cooperation Project to Promote Sustainable Agricultural Production Systems/Management through Innovation Networks

c/o Department of Agricultural Extension (DOAE) of MOAC  
2143/1 Phaholyothin Road, Chatuchak District, Bangkok  
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