Early Warning System

ADB-53099-001

Climate Change Adaptation in Agriculture for Enhanced Recovery and Sustainability of Highlands

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Quick Facts

Countries	Thailand
Specific Location	Nation wide
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	U
Borrower	Government of Thailand
Sectors	Agriculture and Forestry, Technical Cooperation

Project Description

According to the bank's website, The proposed project aims to "reduce vulnerability and enhance adaptive capacity of highland communities and ecosystems to cope with current and projected climate change impacts. The TA is aligned with the following impact: agricultural competitiveness in highlands improved. The TA will have the following outcome: capacities and policy support for adopting climate-smart agriculture in project areas strengthened. The TA has four outputs as listed below.

Output 1: Baseline data for assessing climate change vulnerability of highland agriculture improved. Key activities include: (i) consultations with local governments, local communities and experts on climate change vulnerability of highland agriculture; (ii) collection and analysis of baseline information for climate change vulnerability in different subsectors of agriculture, and preparation of a simple guidance manual; (iii) organizing workshops for local authorities and communities on vulnerability assessment; (iv) analysis of current and future change scenarios and impacts on highland agriculture; and (v) development of knowledge products on climate change vulnerability assessment in highlands.

Output 2: Gender-conscious, climate-smart agricultural practices prioritized and demonstrated. Key activities include: (i) preparation of an inventory of CSA practices for Nan province; (ii) assessment and prioritization of locally-appropriate and gender-conscious CSA practices; (iii) conducting cost-benefit analysis of 3-4 priority CSA practices; (iv) demonstration of the priority gender-conscious CSA practices at selected sites; (v) preparation of a climate-friendly agribusiness value chain investment project for Nan province to scale up and replicate successful CSA practices; and (vi) development of knowledge products on CSA.

Output 3: Agricultural product quality, value addition and market linkages enhanced. Key activities include: (i) identification of priority products for quality improvement and value addition (processing, packaging, branding and marketing) in collaboration with the private sector; (ii) training on organic certification, PGS, geographic indication, good agricultural practices (GAP) and other certification schemes; (iii) assessment of impacts of the 4th Industrial revolution technologies (Industry 4.0) in improving agricultural competitiveness of highland agriculture; (iv) demonstration of Industry 4.0 technologies for traceability and circular economy in the agriculture sector; (v) conduct of workshops to strengthen capacity of the private sector and local farmers in farm mechanization, agricultural product quality and safety enhancement and value addition approaches; (vi) engagement of private sector agricultural service providers, transporters, and purchasers to help advise farmers on how to improve quality and marketability of agricultural products; and (vii) preparation of knowledge products on food safety, quality and value addition.

Output 4: Capacity of local governments and communities to address climate change strengthened. Key activities include: (i) organizing awareness raising workshops on climate change and agriculture to local governments, communities, youth and students, including women; (ii) training government staff to prepare local climate change action plans in the agriculture sector, and integrate climate change in local development plans at both policy and operational levels; (iii) training local communities on adaptation measures to build community resilience, including alternative livelihood options; (iv) conducting workshops on application of remote sensing, geographic information systems (GIS) and mobile phone-based applications to improve natural resource management standards and resilience of highland communities and ecosystems; (v) conducting field visits to promote learning from the TA demonstration sites; and (vi) organizing national and subregional workshops on climate change adaptation in agriculture."

Investment Description

- Asian Development Bank (ADB)

Contact Information

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Bank Documents

- Project Disclosure PDF [Original Source]