

PROJECT INNOVATION AND KNOWLEDGE DISSEMINATION

Project-specific features that contribute to innovation and the dissemination of lessons learned are summarized in Tables 1 and 2.

Table 1: Summary of Project Innovation

Output	Feature	Value added by ADB
Overall project		
1–4	Institutional capacity and knowledge on environment and water resource management enhanced	Introduction of international best-practice standards and designs for a multi-sector approach incorporating institutional strengthening, livelihoods, infrastructure, sanitation, solid waste, and conservation.
1–4	First ADB loan-funded project for Jiangxi/Ganzhou to be developed since the outbreak of the COVID-19 pandemic	Project design that supports post COVID-19 economic recovery through nature-based solutions and which incorporates design measures – especially improved sanitation – to strengthen resilience to the risk of future disease outbreaks.
Project financing		
2 (i)	Co-financing by PRC's Agricultural Development Bank	A \$50.0 million FIL to enhance private sector participation in green development and rural vitalization.
Technical design		
1	First pilot program of CCER carbon sink in Ganzhou	Introduction of international best practice in development of a carbon sink program to help Ganzhou municipality establish a feasible and sustainable CCER carbon sink program, and to improve the capacity of forest management and greenhouse gas (CO ₂) control in Ganzhou.
2	Green agriculture and rural development through financial intermediary loan	Through the financial intermediation loan to be financed by ADB loan and the Agricultural Bank of China, it will create a new avenue for SMEs in the private sector in green agriculture and rural vitalization, including featured agriculture industry, agricultural product processing, agricultural product trade, eco-tourism, rural sanitation management, soil and water pollution control, water conservation, and afforestation, etc., based on approved selection criteria.
2	The first large-scale and standardized vegetable base applying drip irrigation under mulch in Ganzhou.	Application of integrated water-fertilizer system and introduction of greenhouse vegetable cultivation techniques to decrease the fertilizer and water consumption, reduce agricultural non-point pollution, increase the vegetable quality and yield, and increase farmers' incomes.
3	Pilot application of smart machines for solid waste classification and collection in rural areas in Ganzhou	Introduction of smart solid waste classification bins with face recognition functions and credit exchange machines, which will incentivize solid waste classification, and therefore increase the end of treatment efficiency and reutilization rate of domestic solid waste.
4	Innovative approaches to restore the collapsed bare slopes for land utilization, eco-tourism promotion, and ecological restoration.	Introduction of best practices in water and soil conservation at areas with collapsed bare slopes, including drainage canals construction, slope gradient reduction, grass greening, and terrace development. Different approaches for collapsed bare slopes restoration will be applied depending on site characteristics, such as site location and surrounding environment, etc.

Output	Feature	Value added by ADB
Collaboration, partnerships, knowledge		
2	Private sector participation	Private sector participation is included in the project design through on-lending of part of the loan proceeds through a financial intermediary, the ABC, to small and medium agriculture and local companies engaged in green agribusiness, environmental improvement, climate mitigation, and adaptation-related businesses. Opportunities for private sector participation, and public-private partnerships for the project-funded facilities were discussed with local government and stakeholders during project preparation.
1	Knowledge product	The project subcomponent will be implemented through non-consulting contract for knowledge sharing activities, including rural revitalization workshops and project experience sharing products. There is also a knowledge sharing grant which will produce a knowledge product to introduce the stormwater management experience in ancient Ganzhou. Replication of this ancient technology will be explored during project implementation.

ADB = Asian Development Bank, ABC = Agricultural Bank of China, CCER = Chinese Certified Emission Reduction, FIL = financial intermediation loan, PRC = People's Republic of China, SME = small and medium enterprise.

Table 2: Examples of Dissemination of the Project Lessons Learned¹

Project Contribution – Key Topics	Dissemination of Lessons Learned	Target Audience	ADB Added Value
CCER forestry carbon sink program	Project website, National and/or provincial level workshops, Working papers.	Policy makers, forest sector managers and planners, private sector of forestry.	Dissemination of CCER forestry carbon sink program to enhance forestry development and climate change resilience capacity.
Ecological management system for wetland park	Project website, national workshops, working papers.	Policy makers, ecological protection authorities, staff in wetland park, researchers of wetland protection.	Dissemination of the advanced, comprehensive, and efficient investigation and management system for wetland protection.
Good practices in greenhouse vegetable cultivation	Project website, regional workshops, technical meetings.	Policy makers, agricultural sector managers and planners, private sector of agriculture, farmers.	Demonstration and promotion of green vegetable cultivation techniques to increase the quality and yield of vegetables and decrease water and soil pollution.
Green agricultural product tracing and certification	Project website, national and provincial workshops.	Policy makers, agricultural sector managers and planners, private sector of agriculture.	Demonstration and promotion of quality and safety tracing system for agricultural products.
Innovative design for infrastructure development	Technical meetings; working papers	Policy makers, engineering design institutes	Dissemination of technical methods applied for rural wastewater management. Climate adaptation and mitigation engineering design are integral to the subproject design, including adaptation options for infrastructure development and green features.
Collapsed bare slopes restoration	Project website, national workshops, working papers.	Policy makers, ecological and environmental protection authorities, researchers of soil and water conservation.	Dissemination of innovative restoration approaches for collapsed bare slopes to promote water and soil conservation.

CCER = China Certified Emission Reduction.

¹ To be implemented as part of the project stakeholder communication strategy in the project administration manual (accessible from the list of linked documents in Appendix 2).