

Vietnam

AE: ADB

Project title	Climate Adaptation through Irrigation Modernization Sector Project			
Result areas Most vulnerable people and communities; food, health water, security.	Sector Public/Private	Total financing, USD 155million	GCF financing, USD 20million	Financial instrument Grant/Loan /Guarantee/Equity
Description of specific climate change problem and how the project will address it	<ul style="list-style-type: none">• agriculture sector is vulnerable to climate change ranking sixth worldwide for climate risk exposure.• South Central Region (SCR) is in typhoon-prone, East Sea coastal low-lying area, and Central Highland Region (CHR) and Southeast Region (SER) are in drought-prone, suffering negative impacts of climate-induced floods and droughts.• Records show tremendous damage to agriculture sector in targeted areas• Project seeks to address inadequate existing irrigation and drainage systems (I&DS) and unreliable water resources and deploy climate adaptive water management, foster agricultural productivity improvement, agricultural diversification, and increase farmers' income, and• Address development constraints and strengthen resilience to climate changes through improved agricultural and water productivity of the six provinces in South Central Region, Central Highland Region and Southeast Region.			
Alignment with key country priorities and stakeholders engaged	<ul style="list-style-type: none">• Decision for Agricultural restructuring plan for 2017-2020 (Sustainable growth in agriculture sector) by Prime Minister• National Climate Change Strategy approved by Prime Minister• Development of advanced and saving water technology in upland crop irrigation support for the restructuring program of the irrigation sector (Strategy for adopting advanced and water-saving irrigation techniques by approved by Minister - Ministry of Agriculture and Rural Development).			

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Activities

- Strengthen irrigation management services
- Development modern irrigation and drainage infrastructure
- Adopt efficient on-farm water management practices

Expected outcomes

- Irrigated agriculture in selected provinces modernized and made climate change resilient. (sustainable agricultural and water productivity increased)
- Three outputs: (i) irrigation management services strengthened; (ii) modern irrigation and drainage infrastructure developed; and (iii) efficient on-farm water management practices adopted.

Paradigm shift potential

The project will directly impact people belong to the project sites. The benefits will be safe and sustainable water supply, wastewater, sanitation services and improve healthcare services in the climate change vulnerable areas. In Vietnam, only 27% has access to piped water source and 78% has improved sanitation in the entire country (2015). Other 73% without piped water access has a risk of water-related diseases by contamination of water from various routes including natural disasters. The 22% of without improved sanitation will be a potential water contamination source. The success completion of the project will prove the effectiveness new technology to reduce the proportion of unsafe water and sanitation.

The governance component aims to make the project responsive and sustainable by paying attention to support to households and local implementing institutions through the development of circulars and guidelines for the proper design, construction, operation, maintenance and use of water, sanitation and hygiene (WASH) facilities healthcare facilities (HCFs). in communities and This impact goes beyond the vulnerable areas.

Rationale

- **Sector Development**
 - Agriculture sector growth
 - Climate change vulnerability
 - Water resource and irrigation and drainage systems (Problem tree)
- **Project outcome and outputs**
- **Advanced intervention**
- **Alignment with Policy and Strategy**

Geographical targets

Region	Province
1. Southcentral Coast:	- Quang Nam - Quang Ngai
2. Central High-lands:	- Kon Ton - Gia Lai - Lam Dong
3. Southeast:	- Binh Phuoc

