



# Viet Nam: Climate Adaptive Integrated Flood Risk Management Project

Project Name	Climate Adaptive Integrated Flood Risk Management Project	
Project Number	53275-001	
Country	Viet Nam	
Project Status	Proposed	
Project Type / Modality of Assistance	Loan	
Source of Funding / Amount	Loan: Climate-Adaptive Integrated Flood Risk Management Project	
	Ordinary capital resources	US\$ 200.00 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration	
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships	
Sector / Subsector	Agriculture, natural resources and rural development - Rural flood protection Water and other urban infrastructure and services - Urban flood protection	
Gender Equity and Mainstreaming	Some gender elements	
Description	The project will support the government to achieve the outcome: effective and sustainable flood risk management systems made operational and well maintained. There are three outputs with an estimated investment of \$275 million: (i) institutional and planning capacities for flood risk management improved; (ii) dike systems in Red-Thai Binh and Ma rivers rehabilitated and upgraded; and (iii) flood forecasting and early warning systems for Red-Thai Binh and Ma rivers modernized.	
Project Rationale and Linkage to Country/Regional Strategy	Viet Nam is among the countries most vulnerable to climate change owing to its long coastline, population concentration in low-lying large delta areas, and economic dependence on sectors that are vulnerable to climate change. According to the global climate risk index, Viet Nam ranks sixth worldwide for climate risk exposure. From 2001 to 2010, climate-induced disasters resulted in 9,500 deaths and missing persons and annual damages of about 1.5% of the GDP. By 2050, Viet Nam will face (i) increasing rainfall in the rainy season by about 4.1% in the north delta; and (ii) rising sea level by 30 centimeters, compared to the average for 1980-1999 period. It is estimated that over 70% of the population is already exposed to climate change-induced extreme weather events, particularly floods. Climate-induced floods in the two deltas have particularly led to significant economic and social losses while flood protection infrastructures are insufficient and flood preparedness is low. The present flood protection capacities for both rivers do not even meet the requirements set forth in previous flood risk management plans caused by poor maintenance of existing dike systems. Current flood forecasting information is insufficient for rural and urban communities to adequately respond to flood events. The flood warning system without flood risk maps does not provide rural and urban communities with necessary information for preparedness.	
Impact	Climate change impact responded to and flood-related disasters prevented	
Outcome	Effective and sustainable flood risk management systems made operational and well maintained	
Outputs	Institutional and planning capacities for flood risk management improved Dike systems in Red-Thai Binh and Ma rivers rehabilitated and upgraded Flood forecasting and early warning system for Red-Thai Binh and Ma rivers modernized	
Geographical Location	Bac Giang, Bac Ninh, Ha Nam, Hai Duong, Haiphong, Hanoi, Hoa Binh, Hung Yen, Nam Dinh, Ninh Binh, Phu Tho, Thai Binh, Thai Nguyen, Thanh Hoa, Vinh Phuc	
<b>Safeguard Categories</b>		
Environment		B
Involuntary Resettlement		B
Indigenous Peoples		B
<b>Summary of Environmental and Social Aspects</b>		
Environmental Aspects		
Involuntary Resettlement		
Indigenous Peoples		
<b>Stakeholder Communication, Participation, and Consultation</b>		
During Project Design		
During Project Implementation		
Responsible ADB Officer	Takaku, Ryutaro	
Responsible ADB Department	Southeast Asia Department	

Responsible ADB Division Environment, Natural Resources & Agriculture Division, SERD

Executing Agencies Ministry of Agriculture and Rural Development  
Room 305 Building A15  
10 Nugen Cong Hoan Street  
Ba Dinh District, Hanoi, Vietnam

---

Timetable

Concept Clearance	19 Jun 2020
Fact Finding	02 Aug 2021 to 06 Aug 2021
MRM	15 Oct 2021
Approval	-
Last Review Mission	-
Last PDS Update	22 Jun 2020

---

Project Page <https://www.adb.org/projects/53275-001/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=53275-001>

Date Generated 24 June 2020

ADB provides the information contained in this project data sheet (PDS) solely as a resource for its users without any form of assurance. Whilst ADB tries to provide high quality content, the information are provided "as is" without warranty of any kind, either express or implied, including without limitation warranties of merchantability, fitness for a particular purpose, and non-infringement. ADB specifically does not make any warranties or representations as to the accuracy or completeness of any such information.