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Viet Nam Urban–Water Sector: Ho Chi Minh City Climate Resilient Urban Services Projects

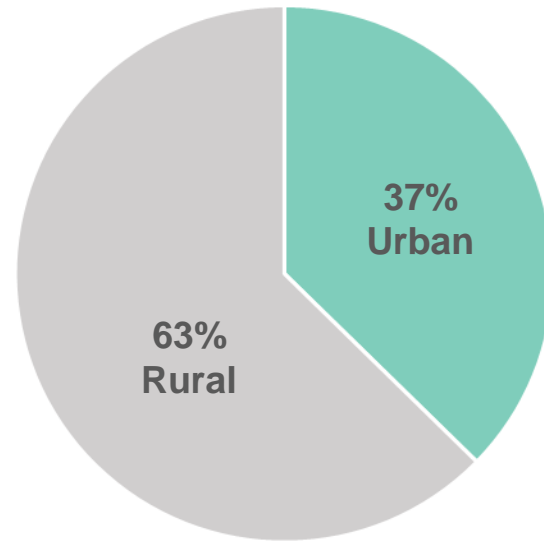
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BUSINESS OPPORTUNITIES 

Viet Nam is rapidly urbanizing...

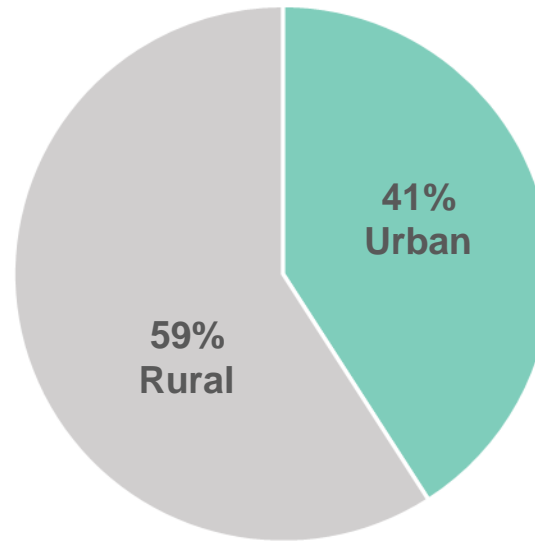
2020



36 million

Vietnamese lived in cities

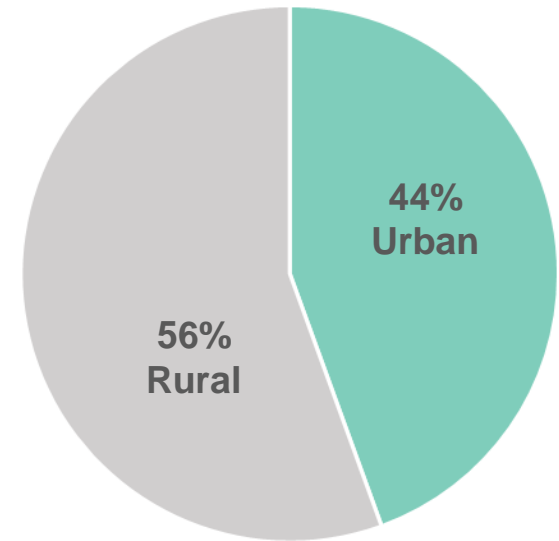
2025



41 million

Vietnamese will live in cities

2030



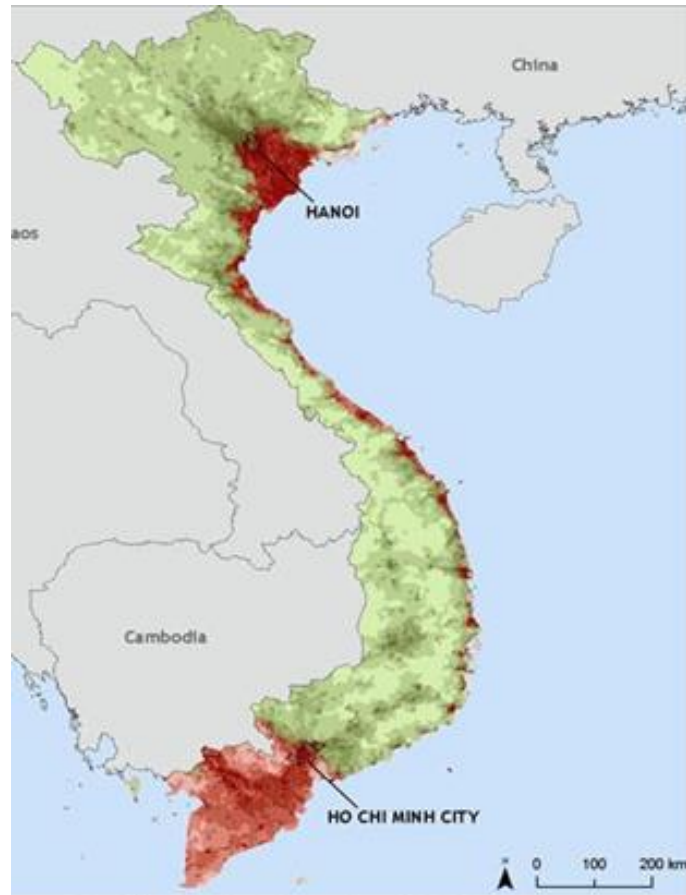
46 million

Vietnamese will live in cities

Sources: World Bank WDI: Population estimates and projections.



Development Challenges



Population Density within and outside of a 10 meter low elevation coastal zone (LECZ), 2000

Persons per sq km	<25	25-100	100-250	250-500	500-1,000	>1,000
within LECZ	Lightest red	Light red	Red	Dark red	Very dark red	Black
outside LECZ	Lightest green	Light green	Green	Dark green	Very dark green	Black

largest urban areas

DESPL Columbia University, 2007



5 percent

of the population does not have access to piped water supply



64 percent

of the country has urban drainage infrastructure on average



4 percent

of septicage is disposed of properly



14 percent

of urban wastewater is collected by a centralized system



67 million

Vietnamese are exposed to climate change-induced extreme weather events, particularly floods



100,000 ha

of crops damaged by climate-induced droughts

HCMC Climate Resilient Urban Services Project (CRUS1)

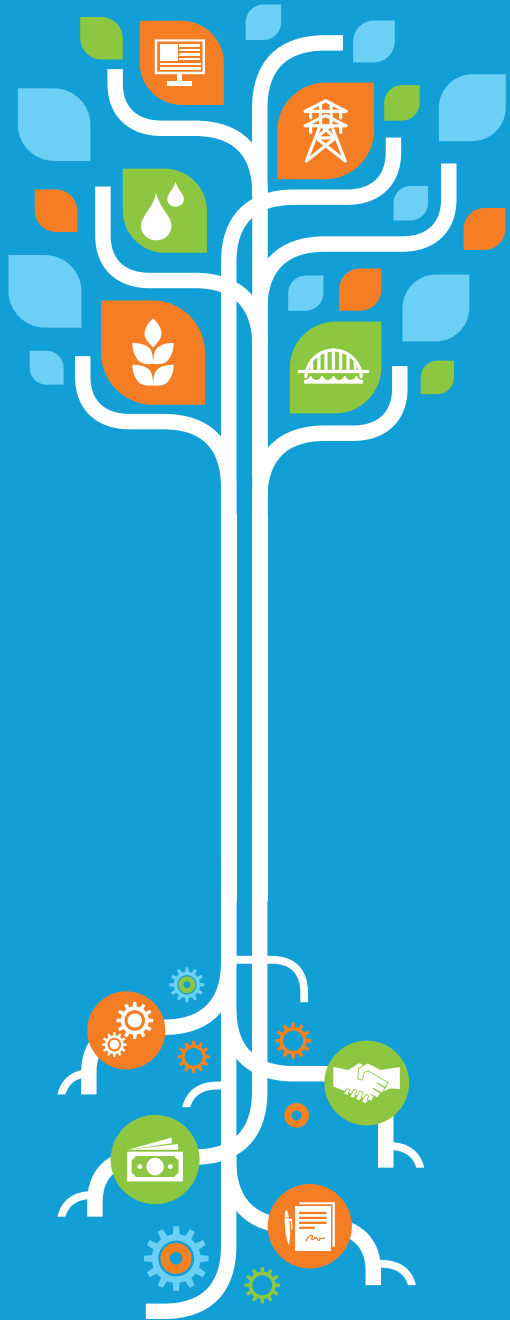


Project/Loan	\$347 million/\$317 million
Location	Ho Chi Minh City Tham Luong-Ben Cat drainage catchment (adjacent to the Tan Son Nhat international airport)
Project Components	<ul style="list-style-type: none"> • Wastewater/drainage pipe system (interceptor) • Sluice gates • Multi-functional public park
Processing Status	<ul style="list-style-type: none"> • Before appraisal • Loan signing in Q2-4 2022
Risk	<ul style="list-style-type: none"> • Slow government's ODA approval process
Note	<ul style="list-style-type: none"> • The sewerage and drainage system will be connected to the existing WWTP

Second HCMC Climate Resilient Urban Services Project (CRUS2)



Project/Loan	\$330 million/\$300 million
Location	Ho Chi Minh City West Saigon drainage catchment (adjacent to the Tan Son Nhat international airport)
Project Components	<ul style="list-style-type: none"> Wastewater/drainage pipe system (interceptor)
Processing Status	<ul style="list-style-type: none"> Appraisal in Q1 2022 Loan signing in Q1 2023
Risk	<ul style="list-style-type: none"> Slow government's ODA approval process
Note	<ul style="list-style-type: none"> ADB supports HCMC People's Committee for PPP transaction of West Saigon WWTP



BUSINESS
OPPORTUNITIES 

THANK YOU!

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