



DRC Second Transport and Connectivity Support Project

GCA is providing technical support to the World Bank and the Government of the Democratic Republic of Congo (DRC) under AAAP to ensure climate resilience in the Second Transport and Connectivity Project. GCA is supporting the middle second section, a 200 km section connecting Mbanga to the Lualaba River, incorporating climate-resilient features that can be applied to all phases of the project. This upgrade follows a "dig once" approach, embedding critical infrastructure for internet, water, and energy beneath the roadway, aiming to restore connectivity, promote national cohesion, reduce conflict, and improve local livelihoods.

Adaptation Need

GCA's analysis revealed that RN2 corridor faces a range of climate hazards, including extreme temperatures, landslides, drought, and river flooding. Section 2 is particularly vulnerable to extreme temperatures and river flooding. These risks threaten the integrity of road infrastructure, particularly pavements, culverts, bridges, and ferry terminals. Without adaptation, climate-related damages could quadruple by 2050, reaching over \$1.2 million/year under RCP8.5. Pluvial flooding poses the greatest threat, accounting for 54% of expected losses. In some segments, flood depths may reach up to 5.5 meters. These diverse climate risks emphasize the critical need for adaptation measures to safeguard the road corridor which DRC's key value chains, key resources and communities depend on, thereby supporting the sustainable development of the DRC.

GCA's Added Value

To address these challenges, GCA economically prioritized a suite of adaptation measures, ranging from grey infrastructure solutions like reinforced culverts and retaining walls, to green and hybrid approaches such as bioengineered slopes and reforestation. These measures were developed through a participatory process involving local stakeholders, government agencies, and technical experts, ensuring they are context-appropriate and socially inclusive. Along with the measures, GCA also provided technical guidelines on how to implement them in the DRC context. Lastly, GCA is strengthening local capacity for resilient transport planning by engaging stakeholders and delivering targeted training through the AAAP Masterclass on Climate Resilient Infrastructure.

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Total Investment Value Influenced

\$440.20M

Beneficiaries

700,000

IFI Implementation period

2024 - 2030

Program

Infrastructure and NbS

Partners

World Bank

Status

In progress

Countries



SDG contribution



PROJECT GOALS

Mainstreaming Adaptation and Resilience

GCA proposes two investment packages: the “Essential Measures Package,” focused on maintenance and low-cost actions, and the “Added Value Package,” which adds targeted upgrades at high-risk sites. Both are technically sound and promise to reduce climate risks and their broader developmental benefits—such as improved road safety, job creation, access to services, and support for regional trade—make a strong case. The project also advances goals like gender inclusion, biodiversity conservation, and climate resilience, positioning climate-resilient infrastructure as key to a more connected, equitable, and sustainable future for the DRC.

Expected Outcomes

GCA will facilitate sustainable outcomes on:

225 km of road rehabilitated with climate-resilient standards along RN2.

Facilitate the sustainable development of key industries in the DRC.

Climate resilient distribution of key resources (water, internet, electricity) to communities along the road corridor.

Sustainable access to basic services for rural populations, contributing to better livelihoods.

Job creation, with at least 30% women's participation in labor programs.

Strengthened local capacity and institutional readiness for climate-resilient infrastructure.

TIMELINE

GCA Support Status

Technical Assistance Preparation

GCA Support Implementation

May, 2025

GCA Support Completion

Monitoring

Project Investment Value

Total Investment Value
\$440.20M

IFI INVESTMENT VALUE

\$440.20M

OTHER INVESTMENT
VALUE

N/A

IFI partners



THE WORLD BANK

World Bank

CONTACTS

GENERAL MEDIA INQUIRIES

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REQUEST FOR INFORMATION

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