



Mali Connectivity and Road Resilience Project

The Global Center on Adaptation (GCA), in partnership with the World Bank through the Africa Adaptation Acceleration Program (AAP), is supporting the Mali Connectivity and Road Resilience Project to enhance regional trade, rural access, and climate-resilient service delivery. The investment focuses on upgrading 137.7 km of the Northern Bamako-Dakar Corridor (NBDC) to climate-resilient standards, rehabilitating 200 km of rural roads in the Kayes and Niono regions, and strengthening critical urban roads and socio-economic infrastructure such as markets, health centers, and food storage platforms. Institutional reforms are central to the project, including support to Mali's road agencies (DGR, FER-Mali, AGEROUTE) to improve road asset management, maintenance systems, and multi-year programming for resilience.

Adaptation Need

Mali's road network—vital for national mobility and regional trade—is increasingly vulnerable to climate change, with rising temperatures and erratic rainfall accelerating infrastructure deterioration and disrupting connectivity. The 2024 floods, linked to climate change, severely damaged the NBDC corridor, prompting a national disaster declaration affecting 350,000 people. In western Mali, where poverty rates are high and health services scarce, climate-induced transport disruptions particularly undermine access to healthcare and food supply chains. The current project lacks a comprehensive approach to climate risk assessment across infrastructure lifecycles, as well as integration of resilience planning for rural connectivity, healthcare access, and trade logistics. These gaps underline the urgent need to embed adaptation measures that respond to both direct and cascading climate impacts.

GCA's Added Value

GCA brings an integrated, systems-based approach to strengthen climate resilience in Mali's transport sector by conducting multi-hazard climate risk assessments and prioritizing adaptation solutions at both asset and network levels. Building on the World Bank's CCDR for the Sahel, GCA will quantify direct and indirect climate risks—particularly those affecting road reliability, rural connectivity, maternal health access, and food distribution—and propose actionable, cost-effective adaptation measures. These findings will inform technical designs and road asset management systems, while also enhancing local service continuity. In parallel, GCA will support institutional strengthening and deliver tailored capacity building, including a regional AAAP Masterclass on Climate Resilient Infrastructure PPPs for Mali, Niger, and Chad.

Total Investment Value Influenced

\$219.80M

Beneficiaries

100,500

IFI Implementation period

2025 - 2029

Program

Infrastructure and NbS

Partners

World Bank

Status

Not started

Countries



SDG contribution



PROJECT GOALS

Mainstreaming Adaptation and Resilience

Through targeted technical assistance, GCA will help mainstream climate resilience across Mali's road infrastructure investment. Adaptation measures will be integrated into national planning tools and maintenance strategies, with special attention to preserving access to maternal care, food supply, and rural markets. GCA will also ensure that gender and vulnerability considerations are embedded in the identification and appraisal of adaptation options, promoting socially inclusive, scalable solutions aligned with Mali's Vision 2063 and long-term infrastructure goals.

Expected Outcomes

GCA will facilitate effective, efficient, and sustainable outcomes on:

- Green & grey adaptation and resilience options to be implemented at the asset and network level

- Adaptation options integrated in the asset management system

Staff trained on climate-resilient road asset management, procurement and climate-resilient routine maintenance
Improve climate-resilient connectivity of Mali's priority road corridors
Development of climate-resilient socioeconomic infrastructure and improvement of rural accessibility
Institutional strengthening of the road sector
Road asset management database integrates climate resilience considerations and is updated

TIMELINE

GCA Support Status

Technical Assistance Preparation

GCA Support Implementation

May, 2025

GCA Support Completion

Monitoring

Project Investment Value

Total Investment Value
\$219.80M

IFI INVESTMENT VALUE

\$219.80M

OTHER INVESTMENT
VALUE

N/A

IFI partners



THE WORLD BANK

World Bank

CONTACTS

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REQUEST FOR INFORMATION

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