

BUILDING A PROJECT PIPELINE: ADVANCING JUST TRANSITION



Programa
de Ações
Transformadoras



CLIMATE CORRIDORS PROJECT (PROJETO CORREDORES DO CLIMA)



PROJECT CITY

Parauapebas, Pará – Brazil



SECTOR

[A] Agriculture, Hunting, Forestry and Fishing — Forestry and Logging (OECD 02)



COST

USD 2,661,003.00



STAGE OF PROJECT CYCLE

CONCEPT

PLAN

IMPLEMENTATION

ONGOING

CLOSED

*Implementation period: 2026–2029

PROJECT OVERVIEW

The Climate Corridors Project is a strategic municipal initiative led by the Municipal Secretariat of Environment and Sustainability (SEMMA) to address socio-environmental challenges caused by rapid urbanization and climate change in Parauapebas, southeastern Pará, within the Amazon biome. The municipality's economy is dominated by large-scale mining, home to the world's largest open-pit iron ore deposit, which has driven unplanned urban growth, soil sealing, and pressure on sensitive ecosystems.

About 40% of the population lives in environmentally risky areas, facing floods, heat waves, and water scarcity. The city also experiences vegetation loss, degradation of springs and Permanent Preservation Areas (APPs), and gaps in ecological mapping.

The project integrates green infrastructure, ecological restoration, and climate education to enhance urban resilience, promote social inclusion, and strengthen biodiversity. It will be implemented within the urban perimeter, focusing on municipal APPs, forest fragments, conservation units, and ecological connectivity zones. These actions aim to restore degraded ecosystems, expand urban tree cover, and link protected areas such as the Carajás National Forest and Campos Ferruginosos National Park, improving hydrological security and ecological continuity.

The project complies with the Federal Constitution (Art. 225), the National Climate Change Policy (Law 12.187/2009), the National Environmental Education Policy (Law 9.795/1999), the Forest Code (Law 12.651/2012), and the State Bioeconomy Plan (Decree 2.887/2022). It is also aligned with the Amazônia Agora Program, the Municipal Master Plan (Law 24/2021), the Urban Mobility Plan (Law 5.368/2023), and will be incorporated into the Municipal Multi-Year Plan (PPA 2026–2029) as a priority climate program.

All target areas are predominantly public, with no land expropriations currently planned. Should private interventions be necessary, they will follow legal procedures under Federal Law

4.132/1962, ensuring the public interest and socio-environmental function of property.

EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT APPROACHES

The project emphasizes participatory and science-based planning. It combines geospatial diagnostics, community consultation, and intersectoral coordination among local agencies, civil society, and academia. Youth researchers from UFRA, IFPA, and UEPA will support data collection, indicator development, applied research, and environmental monitoring.

A governance framework under SEMMA will ensure transparency, coordination, and accountability, involving key municipal departments (Education, Works, Treasury, Civil Defense, and the Municipal Guard) and the Municipal Environmental Council as a consultative body to strengthen participatory management.

GENDER EQUALITY AND WOMEN'S EMPOWERMENT

The initiative guarantees equal participation of women and men in environmental education, urban restoration, and leadership roles. Training modules and community reforestation actions ensure equitable access to technical knowledge, decision-making, and employment opportunities, reinforcing inclusion and gender mainstreaming across all project components.



SUPPORT FOR VULNERABLE COMMUNITIES

The project prioritizes interventions in the most climate-vulnerable neighborhoods—areas exposed to floods, heat islands, and water scarcity—enhancing local adaptive capacity. Green corridors, reforested APPs, and restored springs will improve air quality, reduce disaster risk, and provide accessible public green spaces for leisure, education, and well-being.



CO-BENEFITS

CLIMATE BENEFITS

- Restores degraded APPs and urban vegetation, reducing surface temperatures and heat-island effects.
- Integrates nature-based solutions into land-use and mobility planning for climate adaptation and risk mitigation (floods, erosion, and droughts).
- Enhances carbon sequestration through tree planting and soil recovery.



RESILIENCE BENEFITS

- Creation of a municipal ecological database to inform planning and adaptive management.
- Restoration of at least 80% of degraded urban APPs, protection of springs, and soil stabilization.
- Integration of restored areas and ecological corridors into the Master Plan and Urban Mobility Plan for institutional continuity.



SOCIAL BENEFITS

- Establishment of five community environmental-education hubs and an itinerant "Education on Wheels" program.
- Training of 150 youth environmental leaders and inclusion of climate topics in 100% of municipal schools.
- Promotion of collective awareness, local knowledge, and civic engagement for climate resilience.



ECONOMIC BENEFITS

- Reduction of public costs associated with disaster response and infrastructure repair.
- Stimulation of sustainable economic activities such as eco-tourism, agroecological fairs, and environmental services.
- Property value appreciation around restored green areas and improved urban attractiveness.



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