

# BUILDING A PROJECT PIPELINE: ADVANCING JUST TRANSITION



Programa  
de Ações  
Transformadoras



## MACAPÁ RESILIENTE – INTEGRATED URBAN CLIMATE ADAPTATION AND GREEN INFRASTRUCTURE PROGRAM



### PROJECT CITY

Macapá, Amapá - Brazil



### SECTOR

[E] 36–39 – Sewerage, waste management, remediation, and water-related activities



### COST

USD 70,000,000



### STAGE OF PROJECT CYCLE

CONCEPT

PLAN

IMPLEMENTATION

ONGOING

CLOSED

\*Moving toward pre-feasibility studies

## PROJECT OVERVIEW

Macapá Resiliente is an integrated urban resilience program designed to reduce flooding, heat islands, and the degradation of *ressacas* — vital wetlands for local water regulation. With an estimated cost of USD 70 million, the project combines green and grey infrastructure, ecological restoration, and community engagement to strengthen the city's adaptation to climate change. Coordinated by the Municipal Secretariat for Environment (SEMAM), in partnership with SEMOB, Zeladoria Urbana, SEMHOU, and the Civil Cabinet, it is supported by FERMA, FERMAM, BNDES/Fundo Clima, CAF, international cooperation, and private partners.

The initiative aligns with the Urban and Environmental Development Master Plan (LC 26/2004) and the Urban Tree Plan (Decree 1678/2016), integrating conservation, sustainable drainage, and inclusive governance. Actions will focus on vulnerable areas with degraded *ressacas*, urban canals, and low tree coverage, benefiting more than 520,000 residents. The project promotes large-scale urban reforestation with native species, recovery of drainage networks through bioengineering, and the creation of infiltration systems to reduce flood risks and improve environmental quality.

Complementary actions include environmental education, community workshops, and the formation of Community Environmental Agents to strengthen civic engagement. A governance and monitoring system will track indicators of vegetation cover, flood reduction, and community participation. Expected outcomes include increased urban greenery, reduced flooding, improved thermal comfort, and generation of green jobs linked to planting and maintenance.

## EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT APPROACHES

Although not explicitly stated, the participatory framework of Macapá Resiliente promotes equal opportunities for women in training programs, community leadership, and environmental management, encouraging their active involvement in resilience and restoration efforts.

## GENDER EQUALITY AND WOMEN'S EMPOWERMENT

Although not explicitly stated, the participatory framework of Macapá Resiliente promotes equal opportunities for women in training programs, community leadership, and environmental management, encouraging their active involvement in resilience and restoration efforts.



## SUPPORT FOR VULNERABLE COMMUNITIES

The project focuses on low-income communities living in flood-prone *ressacas* and densely populated urban neighborhoods with limited tree cover. Actions such as reforestation, improved drainage, and environmental awareness campaigns directly enhance health, safety, and quality of life for the most climate-exposed populations.



## CO-BENEFITS

### CLIMATE BENEFITS

- Native tree planting and ecological restoration increase carbon sequestration, enhance urban cooling, and restore resaca hydrological functions.
- Integrated drainage systems reduce flooding and boost climate adaptation capacity.



### RESILIENCE BENEFITS

- Establishes permanent institutional mechanisms for coordinated climate action, including hydrological monitoring, bioengineering in canals, and municipal maintenance systems that reduce disaster risks.



### SOCIAL BENEFITS

- Expanded green spaces and shaded public areas improve well-being, recreation, and social inclusion.
- Education campaigns and community-led maintenance foster a culture of environmental stewardship.



## RELATED SDGs



## TAP SERVICES PROVIDED

- Technical support for project structuring/readiness (as per TAP pipeline scope).
- Visibility/matchmaking with cooperating institutions.
- Capacity building for procurement, supervision, community engagement, and M&E

## SUPPORTED BY



STRENGTHENING  
CAPACITIES  
Strategies for Financing and Resilience



AMAZON  
CITIES  
FORUM



BANCO DE DESARROLLO  
DE AMÉRICA LATINA  
Y EL CARIBE