



Amazon Bioeconomy Investment Program



Food and Agriculture
Organization of the
United Nations



ACTO
Amazon Cooperation
Treaty Organization





Program Objective

Identify investment opportunities to support the consolidation of a new amazon bioeconomy where no one is left behind

Participating Countries

Bolivia

Brazil

Colombia

Ecuador

Suriname

Venezuela

Perú

Guyana





Facts about the Amazon

The Amazon

Complex system of interconnected species, ecosystems, and human cultures

Size & Biodiversity

Comprising more than 6.9 million square kilometers, holding over 10% of terrestrial biodiversity and 20% of the world's fresh water

Climate

Plays an essential role in stabilizing the Earth's climate, absorbing a quarter of emitted CO₂



Tipping Point

Major Driving Forces

Changes in land-use linked to unsustainable practices in agriculture, mining, illicit activities, and urban expansion are exacerbating forest loss in the Amazon

On-going Savannization

The "savannization" of the Amazon is becoming visible in various territories

Socioeconomic Inequalities



Amazon Poverty

On average, Amazonian municipalities have a poverty rate of 48.8%, compared to 42.0% in non-Amazonian municipalities.



Higher Levels of Poverty and UBNs

higher levels of hunger, poverty and unsatisfied basic needs when compared to national averages



Most Affected Groups

Indigenous peoples, rural women, Afro-descendant communities, and rural youth among the most affected



Quality of Employment

employment tends to be highly informal and precarious compared to national averages



Urbanization of the Amazon

6 out of 10 residents live in urban centers



Data Gap

25 million people without access to internet

Global Bioeconomy Market Projections by 2030

Projected global bioeconomy market by 2030	\$7.7 trillion
--	----------------

Amazon's current participation	0.17%
--------------------------------	-------

The Amazon region is well positioned to expand its participation and capture greater value in the global bioeconomy market.



Amazon Cooperation Treaty Organization (ACTO)

- ACTO is an intergovernmental organization formed by eight Amazonian countries
- 8 Member countries: Bolivia, Brazil, Colombia, Ecuador, Guyana, Peru, Suriname, and Venezuela
- Amazon Cooperation Treaty (ACT) signed on July 3rd, 1978
- ACTO Secretariat established in Brasilia, Brazil since 2002



ACTO Agrifood Related Priorities

Belem Declaration - 2023

Bogota Declaration – 2025

RES/XIV MRE – OTCA – 11

Design of a Food Security and Nutrition & Sovereignty Amazon Strategy

RES/ XIV MEW – OTCA – 23

Scaling –up wealth generation strategies associated with the sustainable use and conservation of the Amazon rainforest (e.g. certification of Amazon bioproducts)

Amazonian Mechanism for Cooperation and Action (MACA) - aim to mobilize US\$ 250 million over a 10-year period



Enabling Environment to foster amazon bioeconomy



Decent employment
and better rural livelihoods



Attracting and scaling-up
sustainable investments



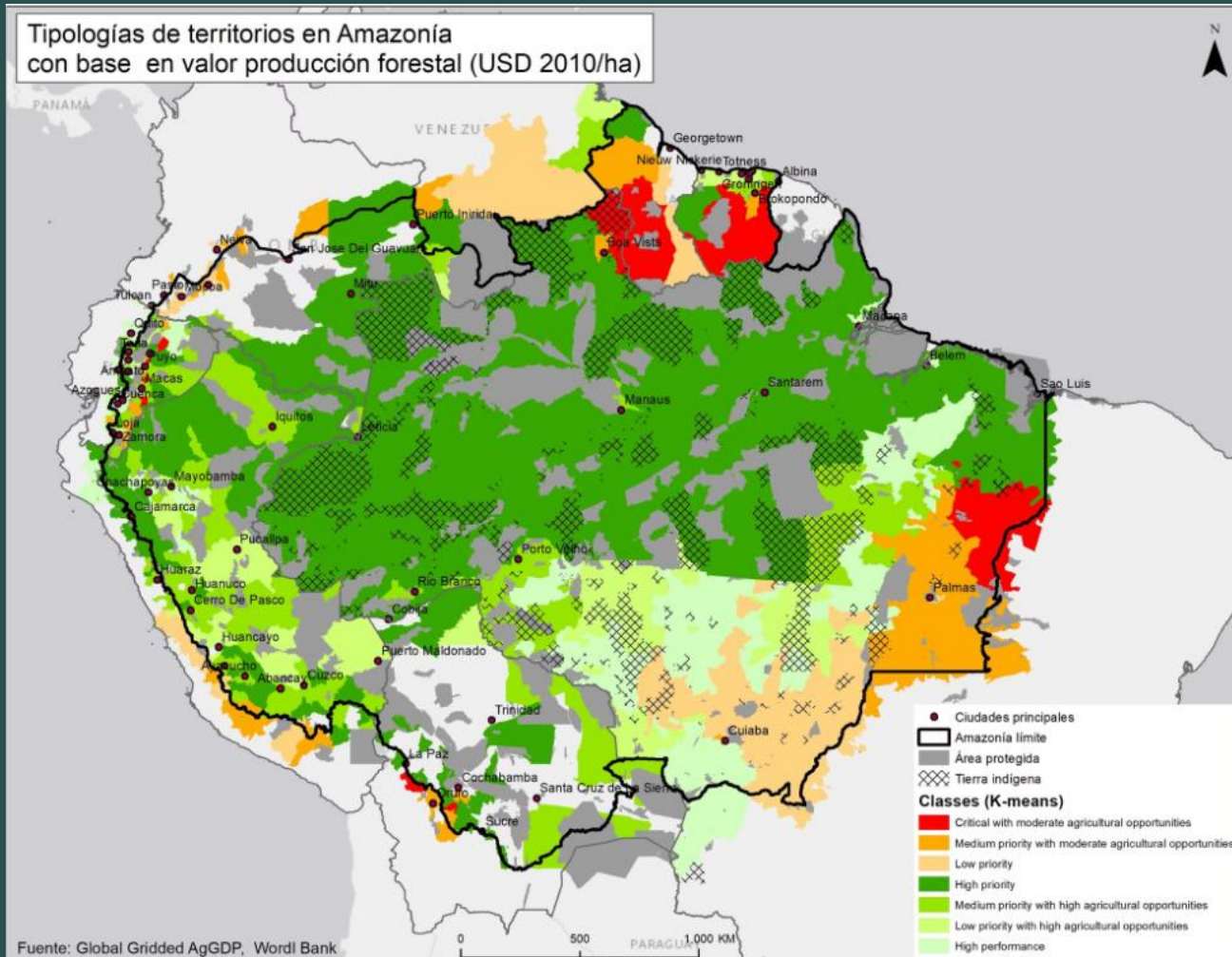
Digital Ecosystems in the Amazon

Boosting Rural Livelihoods



Organización de las Naciones
Unidas para la Alimentación
y la Agricultura

Forest Typology Map



Digital Importance for Sustainable Development

1 Broadband Impact

Increased penetration
raises countries' GDP

2 SDGs 2030 Agenda

70% of SDGs have a
digital component

3 Future Value Creation

70% growth based on
digital platform business
models

Benefits of Digitalization

Digital Investment Multiplier 1:20 on GDP

Agricultural Productivity Boost 20-30%
increase

Small Producer Formalization Up to 20%
increase

Operational Cost Reduction Up to 15% in
agriculture

Digital GAP in the Amazon

Internet Penetration

51% in Amazon vs

77% national average

Digital Gap

26%

Unconnected Population

Over 25 million without
internet access

European Union Deforestation Regulation: Traceability

Mitigation Measures

Digital Ecosystems In the Amazon to Boost bioeconomy productivity, traceability and opportunities

Access to new marketing channels for products: National and international markets

Better socioeconomic conditions for producers



Digital Ecosystems Initiative

Scale

100 territorial digital ecosystems

Direct Beneficiaries

5,000 Amazon producers

Indirect Impact

Improved conditions for 45,000 people

Focus

Agroforestry for acai and cacao production

Digital Ecosystems in the Amazon: Components



Infrastructure

Connectivity systems, cable connections, solar energy panels, storage facilities, etc.

Type of Investment:
CAPEX/OPEX
USD 18.860.000



Users

Alphabetization, digital literacy, capacity building, technology adoption, etc.

Type of Investment:
CAPEX/OPEX
USD 10.120.000



Applications

Digital Banking, apps to improve productivity, monitoring of production and/or traceability, etc.

Type of Investment:
OPEX
USD 151.200



Services

E-commerce, marketing, social media presence, etc.

Type of Investment:
OPEX
USD 151.200

Investment Outlook

29.3

USD Million
Investment

12%

IRR

25.5

NPV

-26,991 tCO₂-eq

EX-Ante Carbon
Balance Tool

5K

Direct
Beneficiaries

45K

Indirect
Beneficiaries