



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 Rural Poverty

experience higher levels of social exclusion, poverty, and unsatisfied basic needs compared to urban Amazon populations.



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 26%

25 million people without access to internet

Global Bioeconomy Market Projections by 2030

Projected global bioeconomy market by 2030	\$7.7 trillion
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Amazon's current participation	0.17%
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The Amazon region is well positioned to increase its relevance within 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

RES/XIV MRE – OTCA – 11

Desing 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)

Amazon Presidential Summit – 2025

Enabling Environment to foster amazon bioeconomy



Decent employment
and better rural livelihoods



Attracting and scaling-up
sustainable investments

Investment Proposals



Digital Ecosystems to
improve rural services and
boost bioproducts
traceability



Sustainable Fisheries
Management in the Amazon



Note 1 – Digital Ecosystems in the Amazon

Boosting Rural Livelihoods and Traceability of Bioproducts



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y la Agricultura

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
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Agricultural Productivity Boost	20-30% increase
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Small Producer Formalization	Up to 20% increase
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Operational Cost Reduction	Up to 15% in agriculture
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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

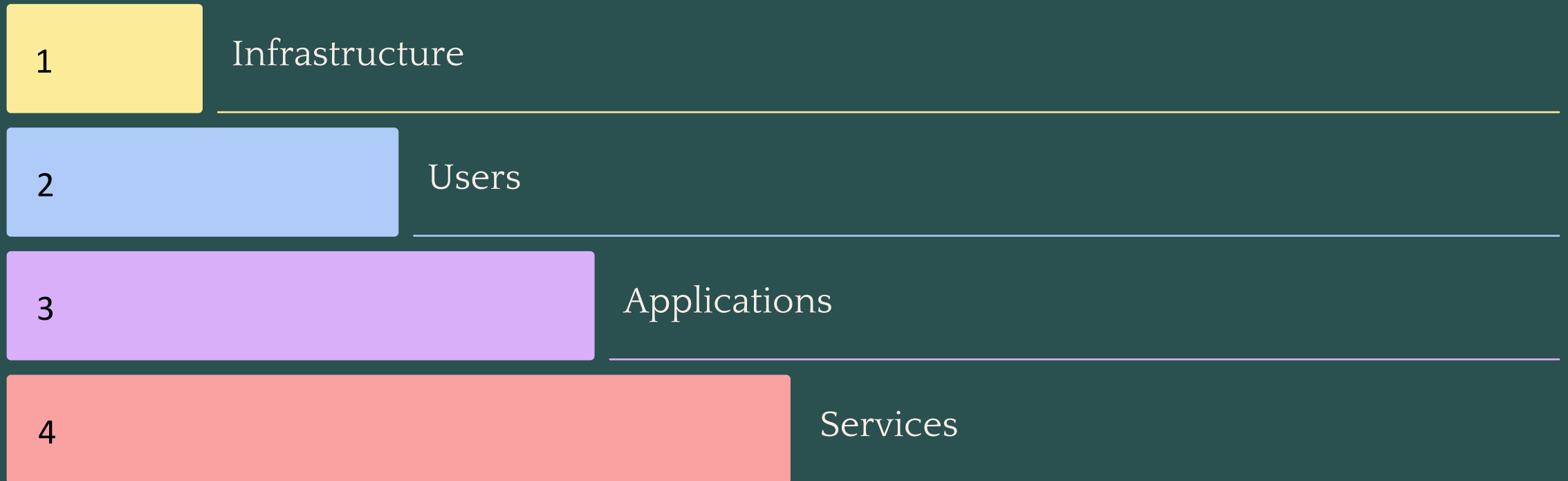
Digital Ecosystems In the Amazon to Boost bioeconomy productivity, traceability and opportunities

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

Better socioeconomic conditions for the producing communities.

Digital Ecosystems in the Amazon

4 Components





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

Investment Outlook Note 1

29.3	12%	25.5	5K	45K	-26,991
Investment	IRR	NPV	Direct Beneficiaries	Indirect Beneficiaries	tCO2-eq EX-Ante Carbon Balance Tool

 Infrastructure Connectivity, solar energy, storage, and licensing. Type of Investment: CAPEX/OPEX USD 18.860.000	 Users Users: Devices, digital literacy, licensing, and digital facilitators. Type of Investment: CAPEX/OPEX USD 10.120.000	 Applications Banking, e-commerce, productivity. Type of Investment: OPEX USD 151.200	 Services Banking, e-commerce, productivity. Type of Investment: OPEX USD 151.200
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Note 2 – Sustainable Management of Amazonian Fisheries



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Amazon Fishing Market Data

Species

Over 200
commercially
exploited fish species

Jobs

160,000+ direct jobs

Revenue

\$435 million annual
gross income

Consumption

Up to 14x world
average





Challenges and opportunities

Food Security

Important source of animal protein for Amazon population

Migratory Catfish

Travel thousands of kilometers, across multiple countries

Economic Impact of Catfish

18% of commercial catches in the region

Governance

Lack of regional governance mechanisms for fisheries



Axis 1 – Shared and Sustainable Management

1 Strengthen Cross-border Agreements

Establish co-management agreements for consistent fishing regulations

2 Education and Research

Invest in monitoring systems and fishery statistics

3 Mitigate Environmental Impacts

Address threats from dams, pollution, and deforestation

Axis 2 – Commerce and Consumption



Improve Processing and Transport

Enhance processing techniques and improve infrastructure for safe and efficient transportation of fish.



Enhance Collaboration

Foster stronger partnerships between fishers, retailers, and industry stakeholders to promote sustainable practices



Training and Technical Assistance

Invest in capacity building programs to empower fishers with knowledge and skills for sustainable fishing

Investment outlook Note2

41m	23.3%	20.6	9,5K	12K	-11 tCO ₂ -eq
Investment	IRR	NPV	Direct Beneficiaries	Indirect Beneficiaries	EX-Ante Carbon Balance Tool

Axis 1 – Shared and Sustainable Management

Total Investment	\$19.9 million
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IRR	24.91%
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VAN	12.9 million
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Axis 2 – Commerce and Consumption

Total Investment	\$20.9 million
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IRR	21.7%
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VAN	7.7 million
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Synthesis of the Amazon Bioeconomy Investment Program

\$ 70.3M	17.6%	23	14,5 K	57 K	-27,003
Total Value of Investment	Average IRR	Average NPV	Direct Beneficiaries	Indirect Beneficiaries	tCO2-eq ExACT

Investment Outlook Note 1

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Investment	IRR	Net Present Value	EX-ACT

Investment outlook Note2

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