

# Value chains based on biodiversity for the generation of income, employment and wellbeing in the states of Amazonas and São Paulo

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# BIOECONOMY PROJECT'S OBJECTIVE

Identify **critical factors** to increase the **competitiveness and sustainability** of value chains based on biodiversity in the State of Amazonas, especially those with high **consumption potential** in the State of São Paulo

- Components of the value chains will be analyzed locally in the states of Amazonas and São Paulo.

## Key elements for sustainable development in the Amazon region

One of the key elements for sustainable development in the Amazon region is the robustness and openness of its scientific networks. The role that local science and technology capabilities play are many:

- Increase the availability of **qualified professionals**,
- Value and privilege **traditional and local knowledge**
- Drive innovation and creation of **sustainable employment**,
- Improving the **health and wellbeing** of the population.
- **Influence and guide policy** on a local and regional level,
- Promote robustness and openness of its **scientific networks**.



# BIODIVERSITY Value Chains Pirarucu, açaí, cocoa and Brazil nut



The inhibiting and propelling factors for high performance will be identified, and solutions to the identified problems proposed

## Value chains

Cocoa

Fishery

Açaí

Brazil nut

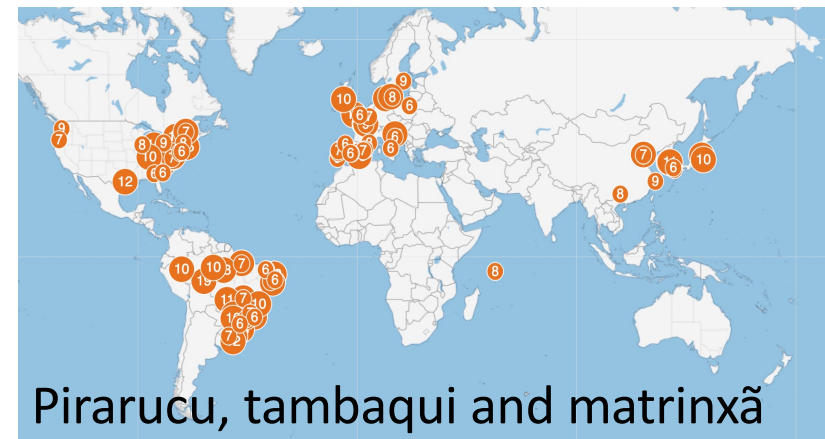
Value chain analysis

Follow-up Metrics and indicators

Human capacity building



# Geographical distribution of Scientific Production on the four products (Scopus database, 2015-2020)



## The publication profiles are highly heterogeneous, this means that:

- The scientific **needs for each product is distinct**.
- For example, despite Brazil being the second largest **cocoa has little published in English from the Amazon region**. Most of the publications are from the southeast, and therefore focuses mainly on processing. There is a well-established global research network to draw on.
- **Açaí**, on the other hand, is heavily **researched in the Amazon region**, with few relevant institutions outside of the region. **UFPA is the global leader** in research, and the central node in the global research network. The challenge for this product is to create a wider scientific network.

Research performance analysis proposed by Projeto Métricas FAPESP <https://metricas.usp.br/>



# EXPECTED RESULTS & IMPACT

- Identification of **critical factors for the competitiveness and sustainability** of value chains based on biodiversity in the State of Amazonas, with high consumption potential in the State of São Paulo.
- Identification of high-performance **inhibitors and drivers to propose solutions** that respond to identified problems.
- **Systematization of experiments** (associations and cooperatives) - innovative business practices and propose replicable frameworks in biodiversity value chains
- **Proposed metrics** for monitoring the governance of value chain components and articulation
- **Public policy recommendations** for job and income generation, food security and citizenship education will be prioritized
- **Outcomes dissemination** through website, book, articles and digital content and videos.





<https://bioeconomia.fea.usp.br/>

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