



Dr. Gutemberg de Vilhena Silva (FAPEAP / UNIFAP)
CNPq productivity scholarship

FUNDAÇÃO DE
AMPARO À PESQUISA

GOVERNO DO ESTADO
AMPA
TRANSILUMINANDO PELO AMANHÃ INTERIO

Potectes



Transboundary Water Resources: Challenges and Opportunities for Territorial Development and the Bioeconomy in the Guianas Region

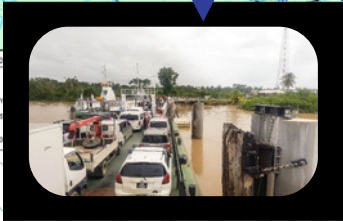
TRANSBOUNDARY RIVER BASINS CONFERENCE IN THE GUIANAS

October 31 to November 2 - 2024



Research missions throughout the Guianas Region (2017-2024)



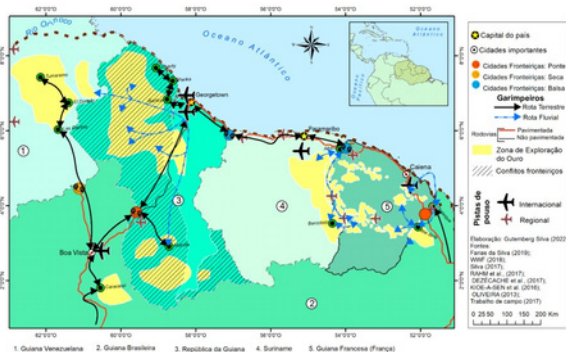


Natural Earth, World Ports, VAT & Rural Airports (GY)
 Portos/Aeroportos: World Map (2013);
 BARROS, CÔRDOVA (2014); ARISTEGUIETA (2015)
 Trabalho de Campo (2020)
 Massa Hídrica: FAO, Global Lakes and Wetlands
 Limites: Internacional, Natural Earth Escala: 1:10.000

- Canal Cassiquiare
- Capital
- Cidades importantes
- Quase Milhões de habitantes

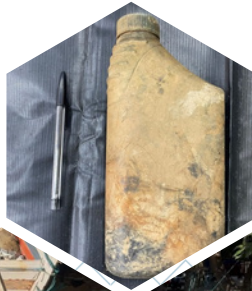


Gold Mining, the Mercury Cycle, and Water Contamination



Circular Economy and Sustainability:

Environmental Education and Alternatives
Sustainable Income in Oiapoque, Amapá



ATORES RECICLAGEM OIAPOQUE



01 - UNIVERSIDADE



02 - COLÔNIA DE
PESCADORES



03 - GOVERNO DO
ESTADO DO AMAPÁ



04 - SEBRAE



04 - PREFEITURA
DE OIAPOQUE

CIRCULAR ECONOMY AND SUSTAINABILITY IN OIAPOQUE



THANK YOU FOR YOU ATTENTION



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