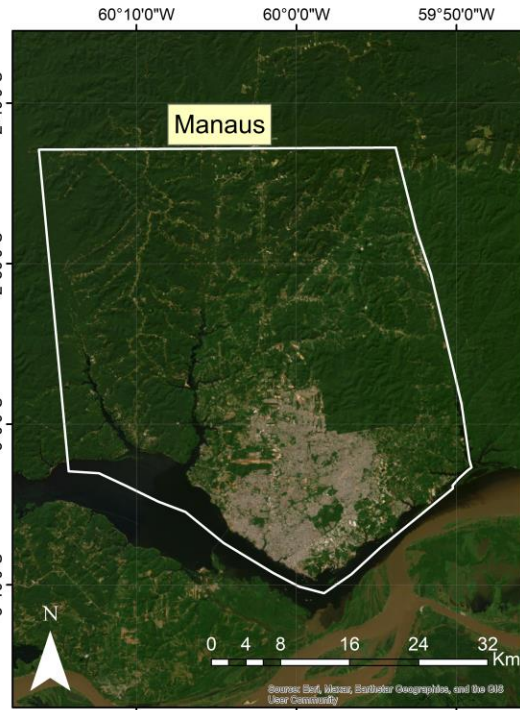
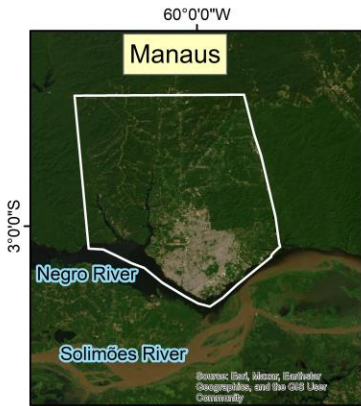
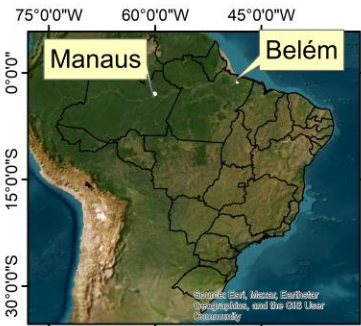


Spatio-temporal Impacts of Urban Expansion of Manaus in the Center of the World's Largest Tropical Rainforest, Brazil



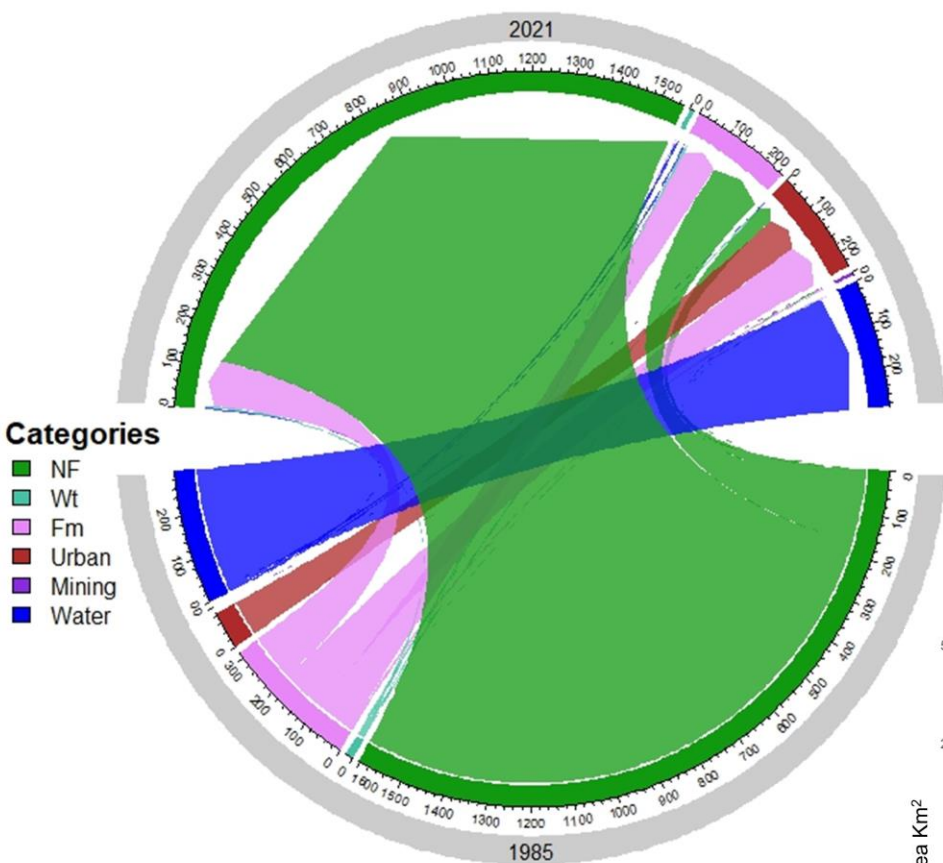
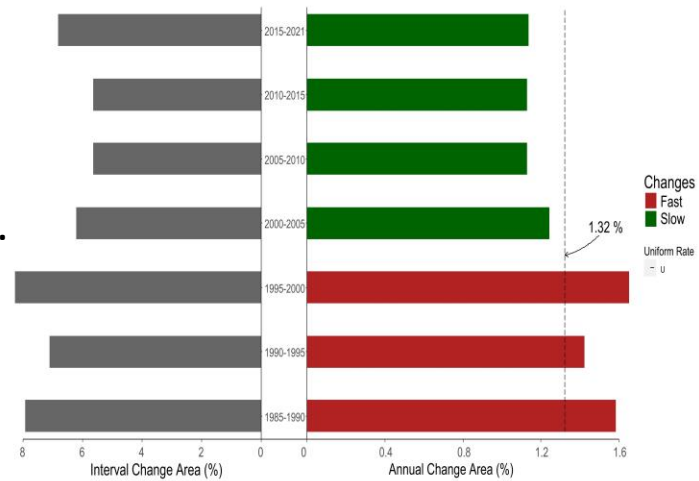
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- Manaus: Capital of Amazonas state in the Brazilian Amazon.
- Population density: 180.2/km² in 2022.
- Total area: 11,401.092 km²; Urban area: 377 km² (IBGE, 2022).
- Located at the confluence of the Negro and Solimões rivers, where the Amazon River begins.
- Population: 2,255,903 the largest city in the Brazilian Amazon.

- Forest areas decreased from 68.95% (1995) to 66.75% (2021).
- Farming areas decreased from 11.08% (1995) to 9.91% (2021).
- Urban areas increased from 3.71% (1985) to 10.16% (2021).
- Mining areas increased from 0.06% (1995) to 0.33% (2021).



- This reflects changing priorities and pressures on Manaus, with increased urbanization and resource extraction.
- Calls for sustainable land use planning to balance growth and conservation.

Manaus should consider zoning improvements, infrastructure investment, affordable housing, and green urban design.

