



# Status of Inland ENC's - BRAZIL

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# Legal status of Inland ENC's - BRAZIL

- **Directorate of Hydrography and Navigation (DHN):**
  - Defines guidelines and authorizes the establishment, modifications or permanent cancellation of aids to navigation;
  - produces **official nautical charts** for **maritime** and **inland waters**
- **Auxiliary Organizations (CLSAOR, SSN-6 and SSN-9):**
  - Maintain the **aids to navigation**;
  - **Survey** the rivers on each area of jurisdiction;
  - Publish **preliminary** Notice to Mariners for the paper charts.

# Main waterways in Brazil



Madeira – 1056 km

# Amazonas – 1650 km

# Solimões – 1630 km

São Francisco – 1370 km

# Tocantins-Araguaia – 2250 km

# Tietê-Paraná – 2400 km

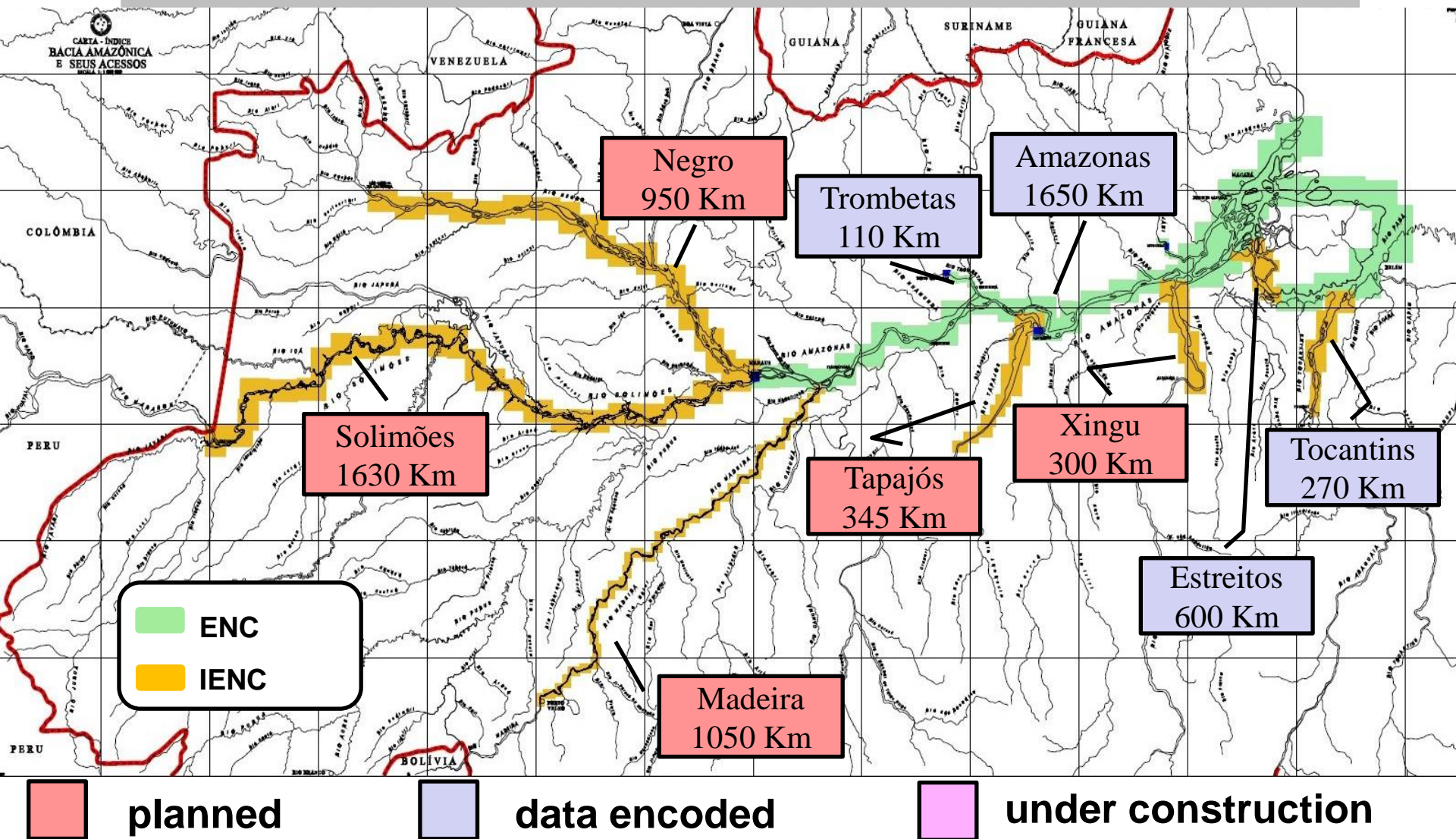
Paraguay (BR) – 1278 km

## SSN-6 - Ladário

## CLSAOR – Belém

## SSN-9 - Manaus

# ENCs & IENCs - Amazon Region



Approximately 4500 km – Inland ENC

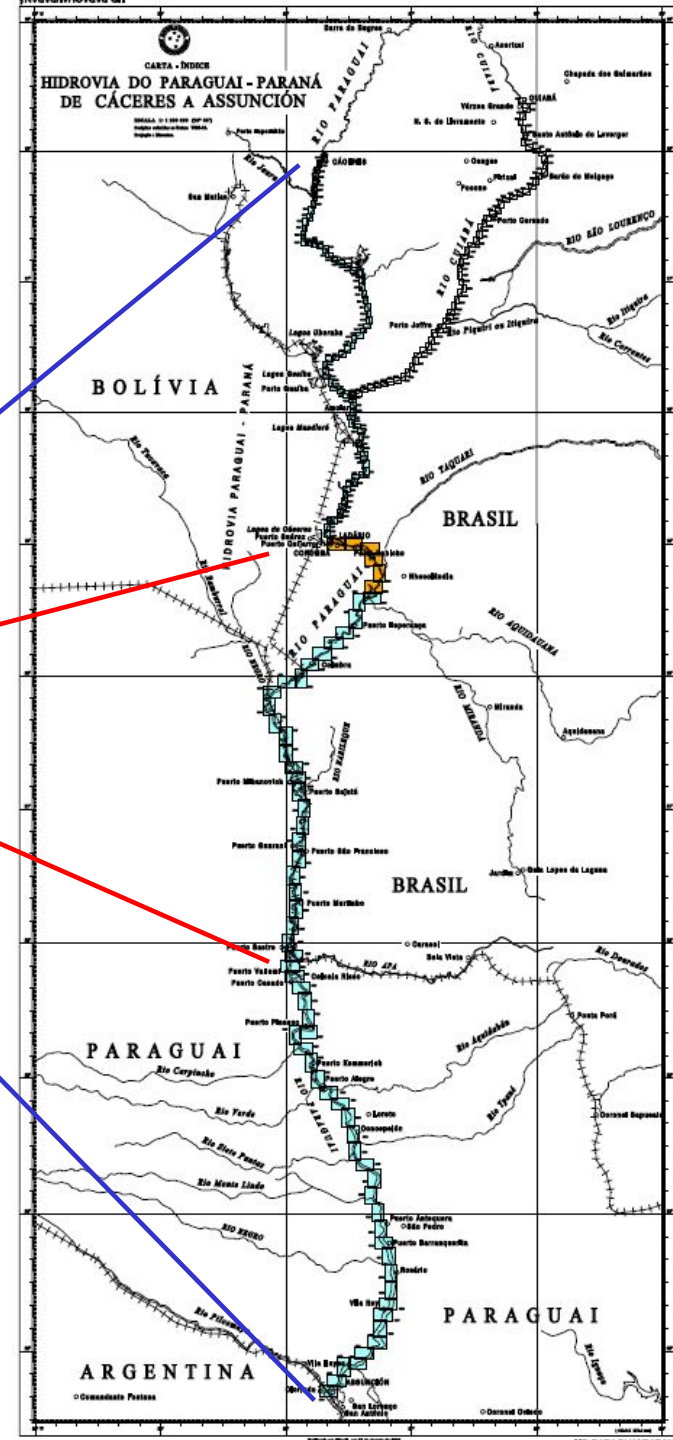
# Paraguay River Inland ENCs available for tests

**Part of Brazilian section – 600km**

## Paraguay River (Cáceres – Asunción)

- Brazilian section – 1278 km
- Paraguayan section - 554 km

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## Tietê River – IENCs under construction



Thank you....

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