



## TROPECOS - Carbon cycle in tropical coastal ecosystems in the Anthropocene

Role of tropical estuaries and mangroves in the global carbon cycle

2023-2028

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Tropical estuaries and mangroves in the global carbon cycle



## Study sites

### First major driver of the carbon cycle in estuaries and mangrove : GEOMORPHOLOGY

- Brazil - Rio de Janeiro
- Brazil - Pará
- French Guiana
- Guadeloupe
- Vietnam - Hô Chi Minh City and Mekong Delta
- New Caledonia



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TROPECOS study sites on the coastal typology of Dürr et al. (2011).



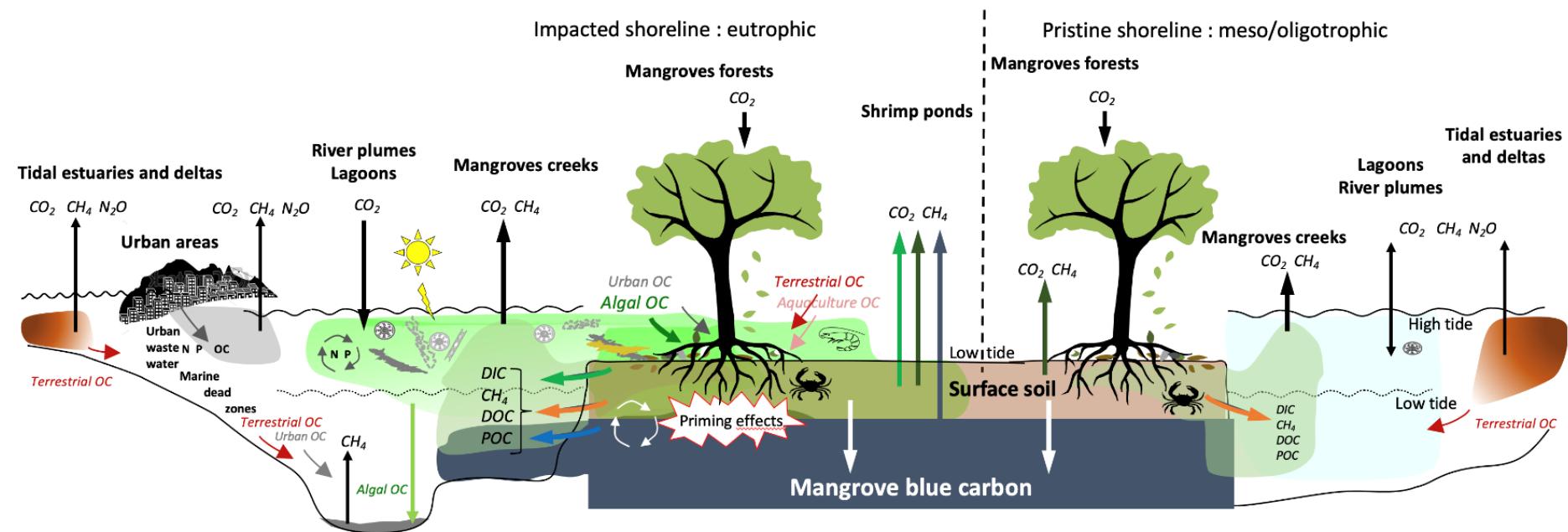
Tropical estuaries and mangroves in the global carbon cycle



## Study sites

### Second major driver of the carbon cycle in estuaries and mangrove : EUTROPHICATION

- Brazil - Rio de Janeiro
- Brazil - Pará
- French Guiana
- Guadeloupe
- Vietnam - Hô Chi Minh City and Mekong Delta
- New Caledonia

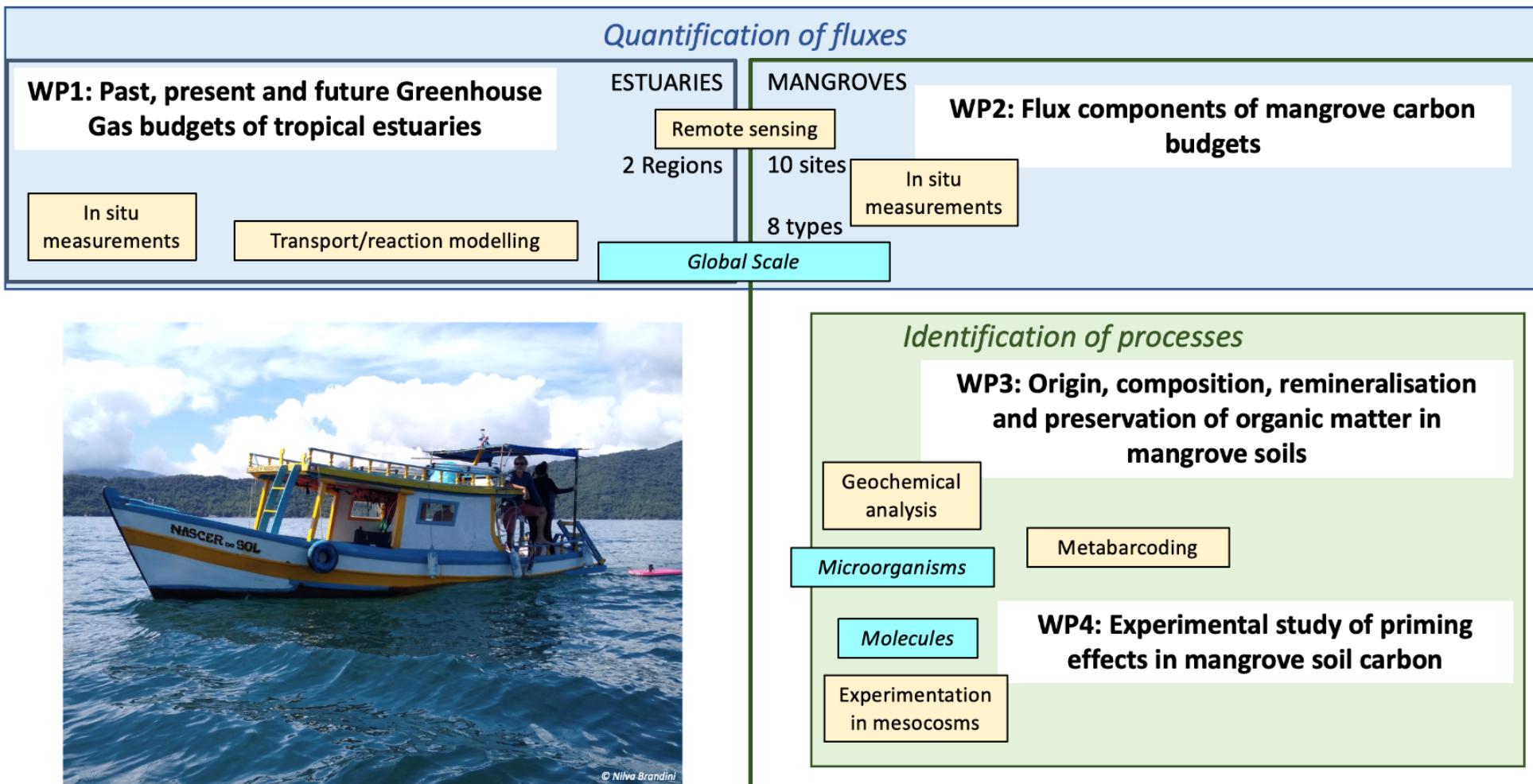


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# Work Packages

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## Highlights

### First year



Nov. 2024

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# Hiring + Training + First field works

Hired people funded by FairCarboN / co-fundings

Post-docs: An Truong Nguyen (WP1) - João Barreira (WP3)

PhDs : Matheus Silva (UFF Brazil) – Francisco Áureo Noronha (UFPA Brazil) – Marcele Lopes (UFF Brazil) – Quentin Marsal (FairCarboN/ESA) – Naïna Mouras (FairCarboN/Univ. New Calédonia)

Next recruitments FairCarboN : 1 post-doc and one PhD

Pending co-funding : Johanna Jupin (MSCA UE) - Raisa Chiele (FAPERJ Brazil)

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# Hiring + Training + First field works

## Highlights

First year

May 2024 and Nov. 2024 Ouvea carbonated Mangrove in New Caledonia (WP2 & 3)

June 2024 Mekong delta and Saigon Estuary in Vietnam (WP1)

November 2024 Lagoon Mangrove in Rio de Janeiro and Estuarine Mangrove in Pará, Brazil (WP2 & 3)



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# Thank you for your attention



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