

Carbon budgets of TROPical coastal ECOSystems in the Anthropocene

TROPECOS

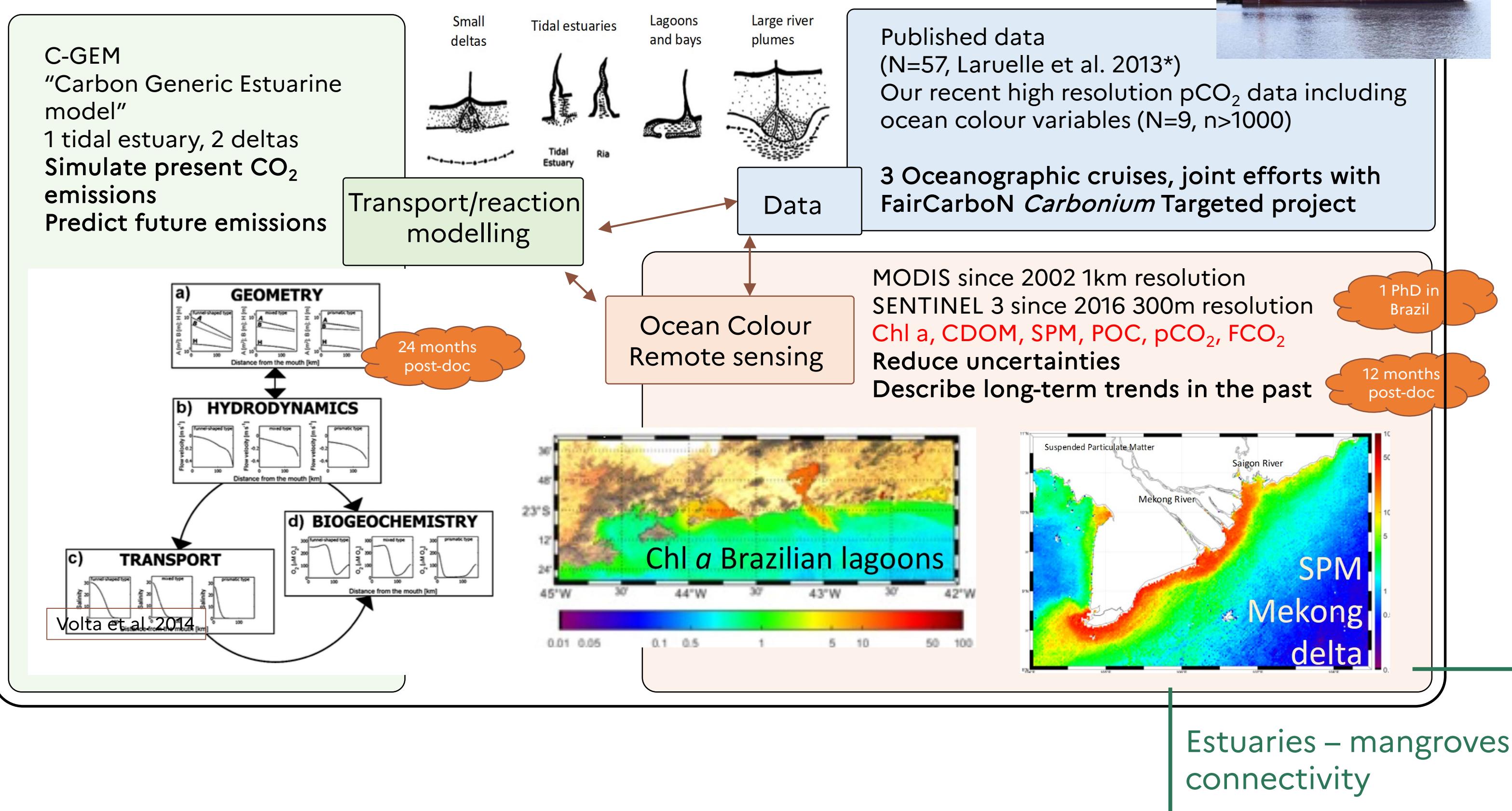


OBJECTIVES

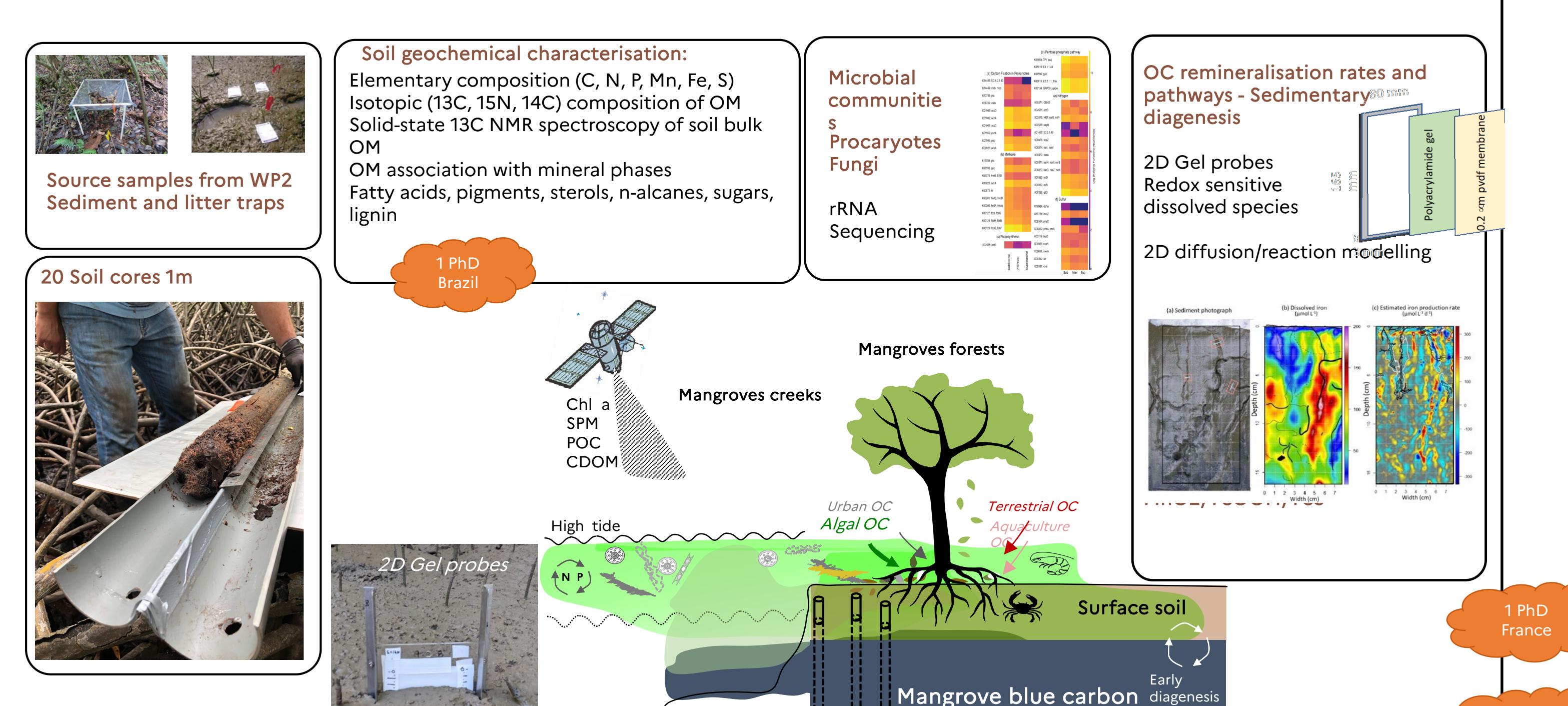
- Revise global estimates of carbon emissions (CO_2 and CH_4) and OC storage in estuaries and mangroves
 - Understand how and how much C circulates through ecosystems according to geomorphology > urgently needed for global C models
 - Mangroves: disentangling mechanisms of carbon stabilisation on the long term and feedback loops in soils by building an unpreceded geochemical database
 - Mangroves: vulnerability of the blue carbon reservoir to eutrophication. A nature-based solution for urban water treatment?

WP1: Past, present and future GHG budgets of tropical estuaries

W.F. Past, present and future GHG budgets of tropical Vincent Vantrepotte *LOG, BOREA, IGE, UFF and UERJ (Brazil), HCMUT (Vietnam)*



WP3: Origin, composition, remineralisation and preservation of organic matter in mangrove soils *Aurélia Mouret | PG_iFES_BORFA_ISFA_UFF_MPFG_HCMTU*



WPO: Project management and communication

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Challenge : Geographic remoteness with strong time-lags and reduction of the carbon footprint

of the carbon footprint
On line communication: Webpage, YouTube Channel, social medias, regular webinars
online technical meetings, field work planification, follow-up committees.

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Regional cruises planned regionally: Indo Pacific / Atlantic-Caribbean

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Production of video tutorials, long field trips with training of local partners
Partnerships with NGOs, universities, and other organizations

