





INRAO



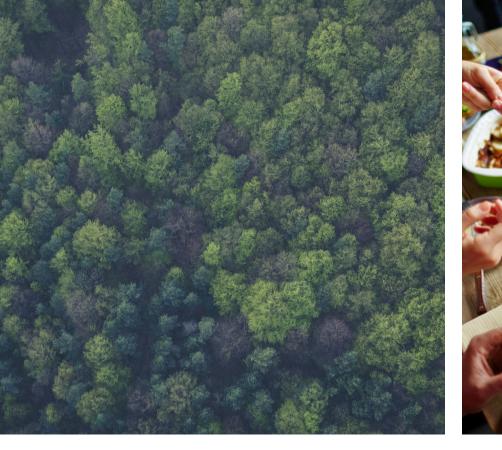




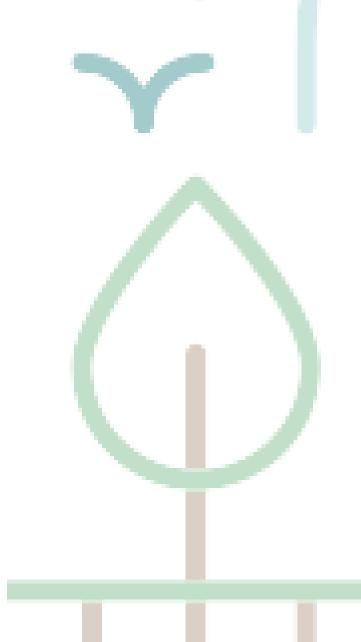












CARBONAND CONTINENTAL ECOSYSTEMS

RESEARCH PROGRAM

The PEPR FairCarboN consists of 5 targeted projects and 11 projects distributed across 4 research areas, selected through the 2 calls for projects in 2022 and 2023.

S ROLL C

ALAMOD

Shared, accurate models and open datasets

SLAM-B

Scenario labs: design and evaluate trajectories toward **C** neutrality

RIFT

Flux towers in the South

CrosyeN

Cropping system field networks

CarboNium

CarboN dynamic in the land-sea continuum

A SELLECTED PROJETS

DEEP-C

Carbon sink or methane source - Assessing the role of lentic waters in the climate system

Drought ForC

Impacts of drought on carbon fluxes and stocks in forest ecosystems: experimental studies and modelling

RhizoSeqC

Soil carbon sequestration by optimizing plant rhizodeposition

CABESTAN

The carbon cycle of the land-sea interface in the context of foreshore and coastal wetlands_

PEACE

Permafrost ecosystem change: Carbon and nutrient cycling in terrestrial and aquatic environments

GREENSCALE

Photosynthesis efficiency for plant adaptation to climate change

TROPECOS

Carbon budgets of tropical coastal ecosystems in the Anthropocene

Microbial use of soil carbon and nutrients in managed terrestrial ecosystems

Changing eating habits

and preferences to

reduce GHG

emission

CO₂-CMPhi

Mechanisms of CO₂ concentration and fixation by microalgae.



CLIM-FAS

Agricultural greenhouse gas emissions and climate change in relation to public policies

Forests

Mangroves

Peatlands

Arable land

Grasslands

Urban ecosystems

Permafrost

Rivers

Mountains

Lakes

Peri-urban ecosystems

Coastal zones

4 RESEARCH AREAS

Axis 1

Source, transfer, transformation, and storage of carbon along the land-coastal zone-atmosphere continuum

Axis 2

Coupling of biogeochemical cycles in the context of global change

Axis 3

Development, production, and use of plant biomass

Axis 4

Drivers and impacts of change and transitions