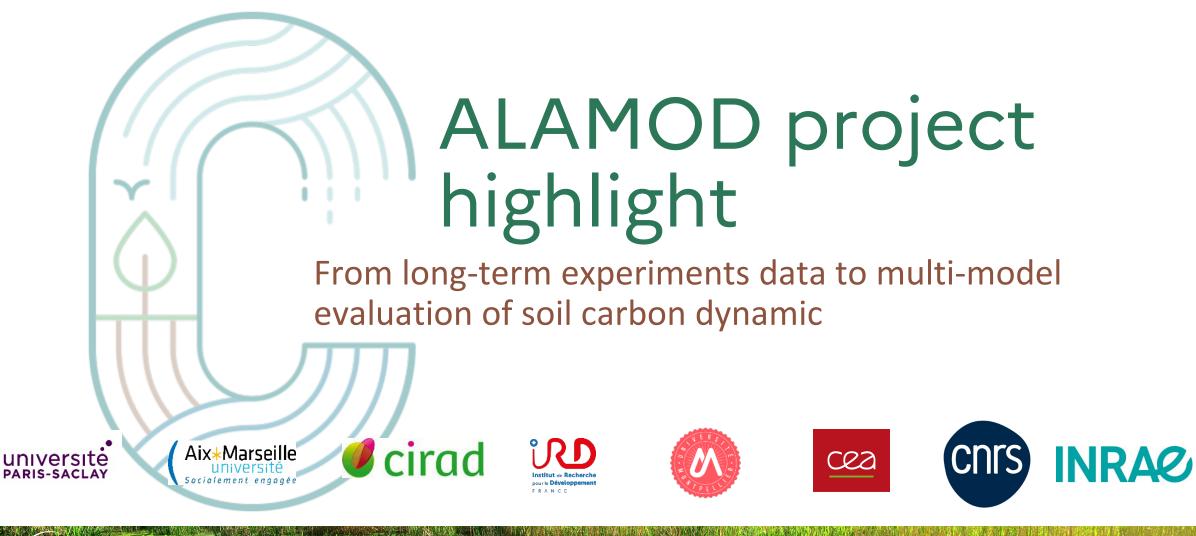


FRANCE



The state of antes



## Our ability to model C stocks in ecosystems is not very good

Concerns...

<u>Concerns</u> about the ability of current models to simulate changes in carbon stocks in soils and biomasses

Absence of <u>assessments</u> due to <u>lack of available data</u> on stock changes

leviers et trajectoires pour la neutralité car

but also opportunities!

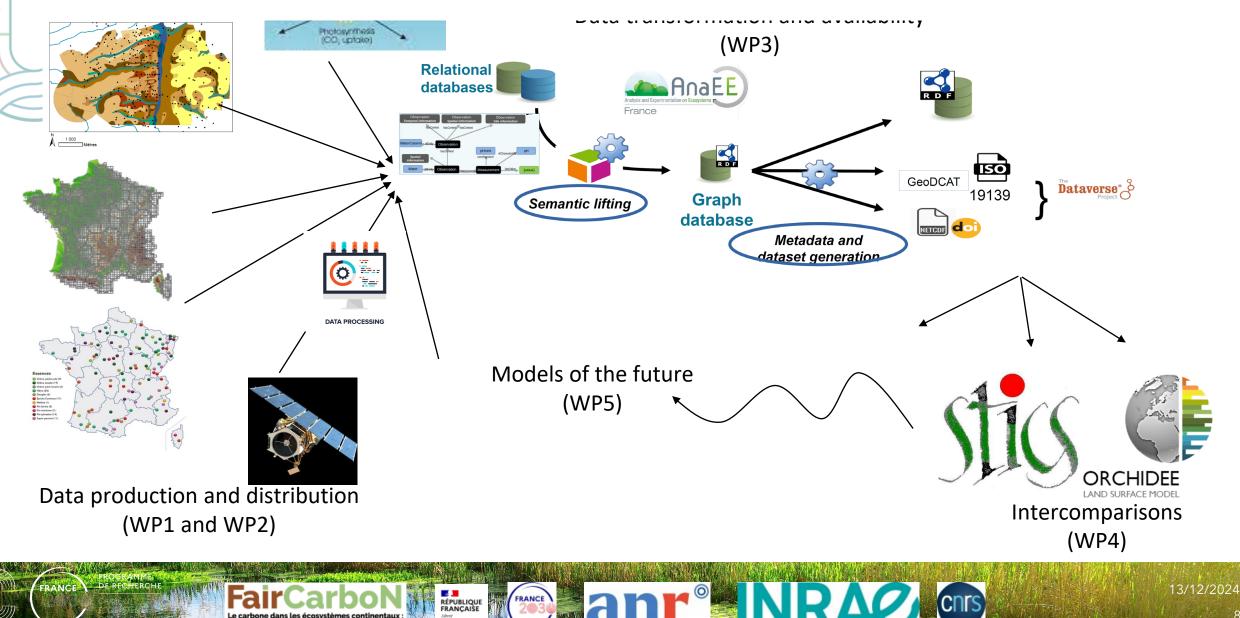
Numerous sites and networks with C stock measurements

Development of tools to facilitate the acquisition of C stock and flux data

Large community of modellers at different spatial and temporal scales

13/12/2024

## The objectives of ALAMOD



Lshevit Sgaliti

leviers et trajectoires pour la neutralité carbone

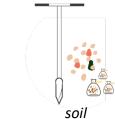
Gather soil carbon data and required variables for soil carbon modelling from long-term experiments (WP1)

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Dataset of ~ 30 long-term trials in temperate croplands



daily weather



characteristics



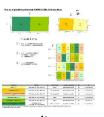
soil carbon stocks



crop residue management



organic fertilisation



site metadata

carbon inputs calculation

Million is an America

PROGRAMME DE RECHERCHE

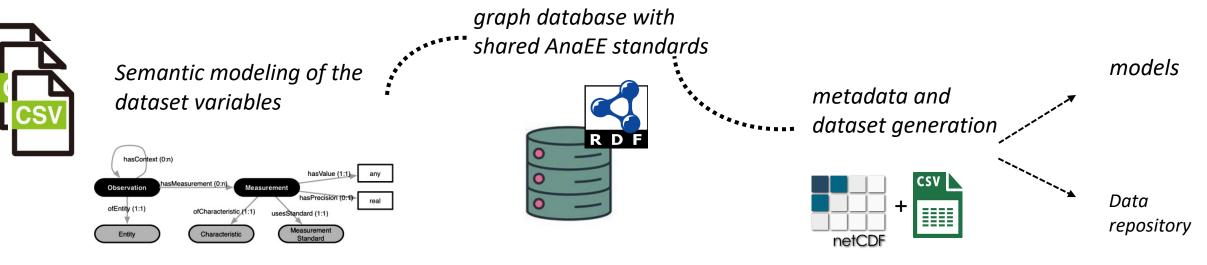
CARBONE ET

TALIX

Gather soil carbon data and required variables for soil carbon modelling from long-term experiments (WP1)

Data interoperability through semantic modeling (WP3)

Multi-model evaluation of soil carbon dynamic (WP4)



OBOE ontology

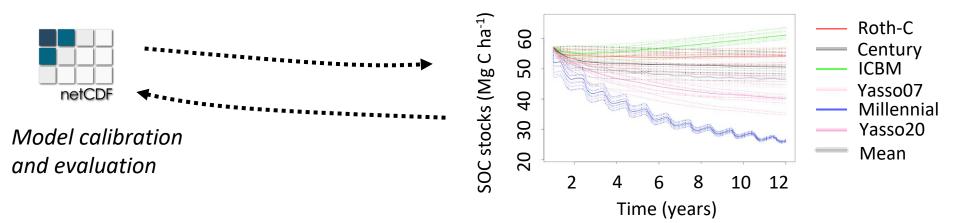


Gather soil carbon data and required variables for soil carbon modelling from long-term experiments (WP1)

Data interoperability through semantic modeling (WP3)

Multi-model evaluation of soil carbon dynamic (WP4)

Forcing data



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