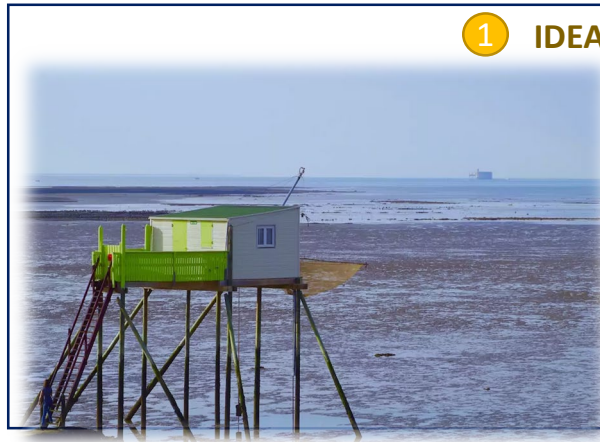




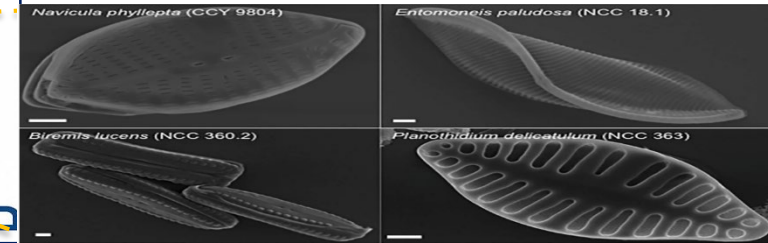
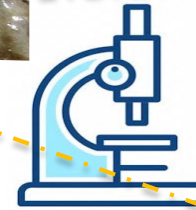
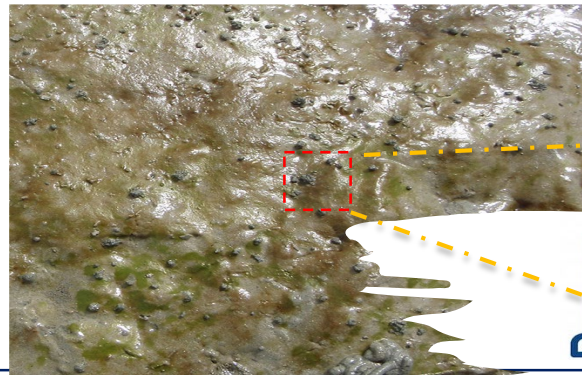
Monitoring CO₂ fluxes in coastal ecosystems using remote sensing

Hajar SAAD EL IMANNI

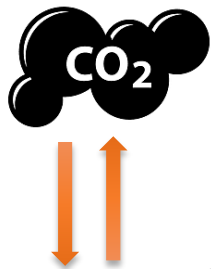




1 IDEA/ RESEARCH QUESTION



2 OBJECTIF



**Global
carbon
budget**

3 METHOD



Eddy-covariance
with a CO₂ sensor

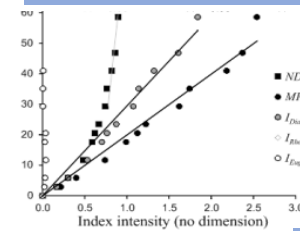


Flux chambers

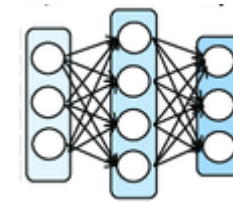


Hyperspectral camera

Statistical models



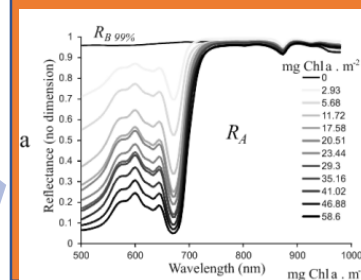
Machine Learning models



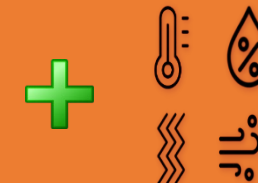
Model inputs

Model upscale

Remote sensing
sensitive indices



Environmental
parameters



4 FINDING



Assimilation

Emission

