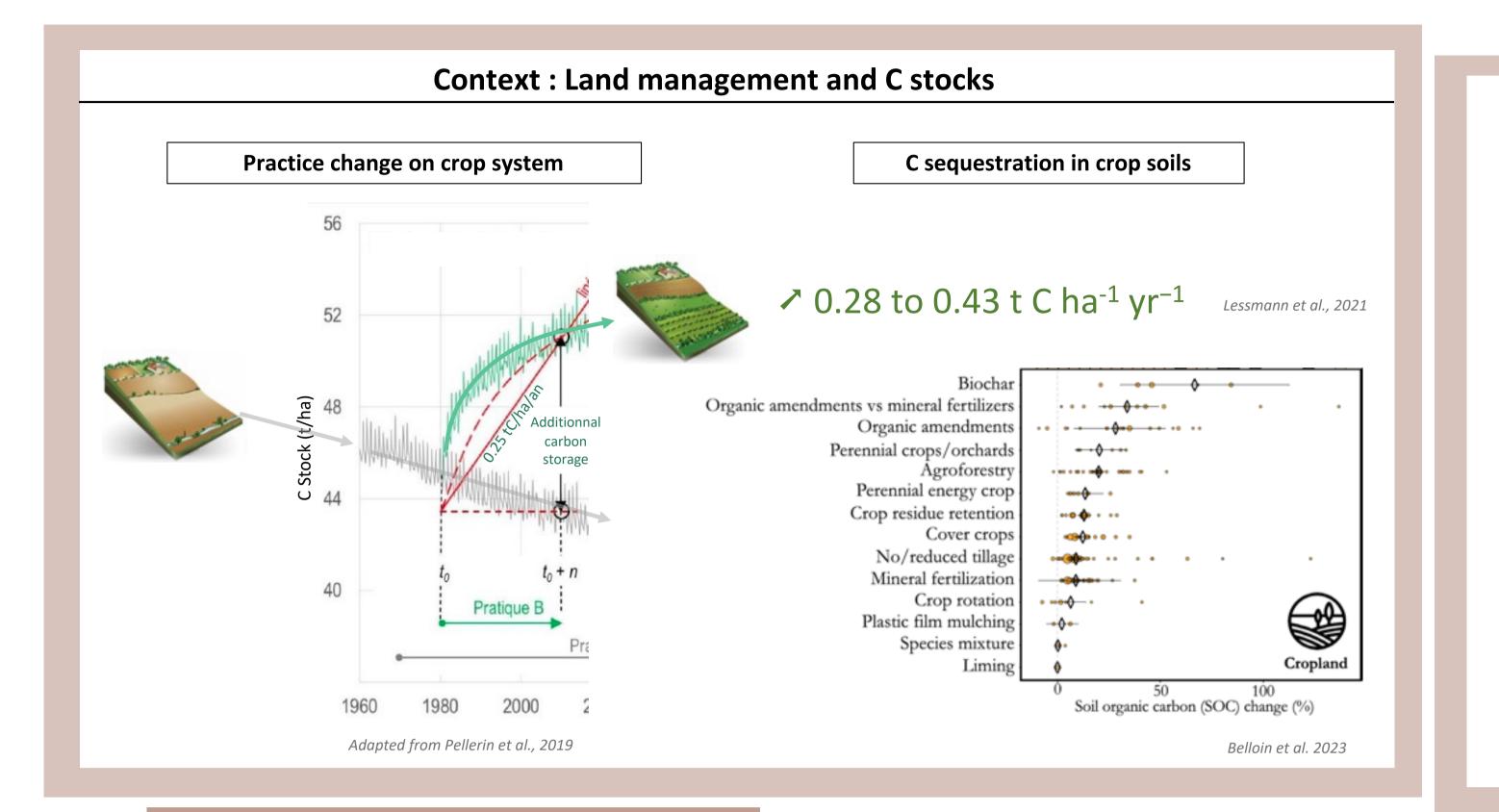
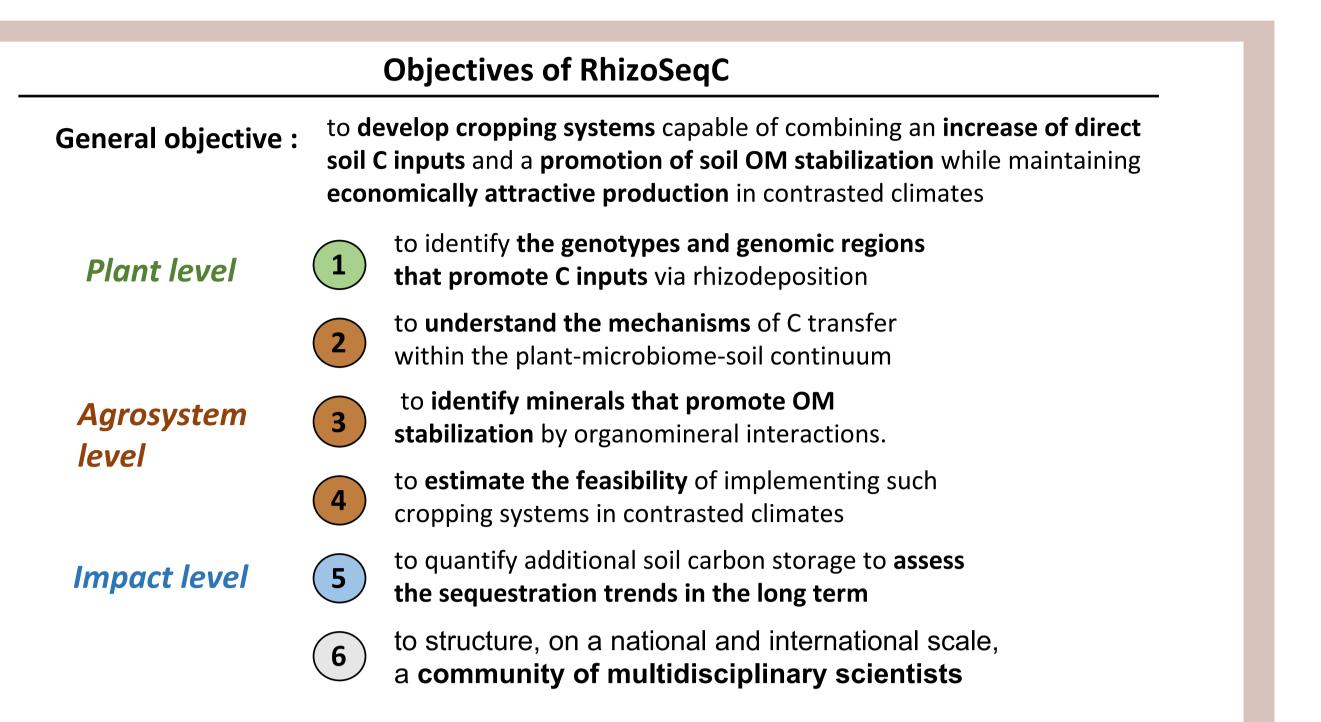


PROGRAMME DE RECHERCHE CARBONE ET ÉCOSYSTÈMES CONTINENTAUX FairCarboN

RhizoSeqC Optimizing rhizodeposition to increase carbon sequestration in agrosystems







Hypothesis of RhizoSeqC

Rhizodeposition through root exudation, mucilage deposition, or degeneration of root cells represents a major input of organic matter that feeds into the stable soil carbon pool by **associating** with mineral phases.

HYPOTHESIS : Genotypes selection towards increased rhizodeposition may enhance root C inputs to the soil and could therefore be a promising easy-toimplement management option for potentially increasing C sequestration

