

CARBON FARMING SUMMIT

Thessaloniki

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europe's Green Energy
Platform

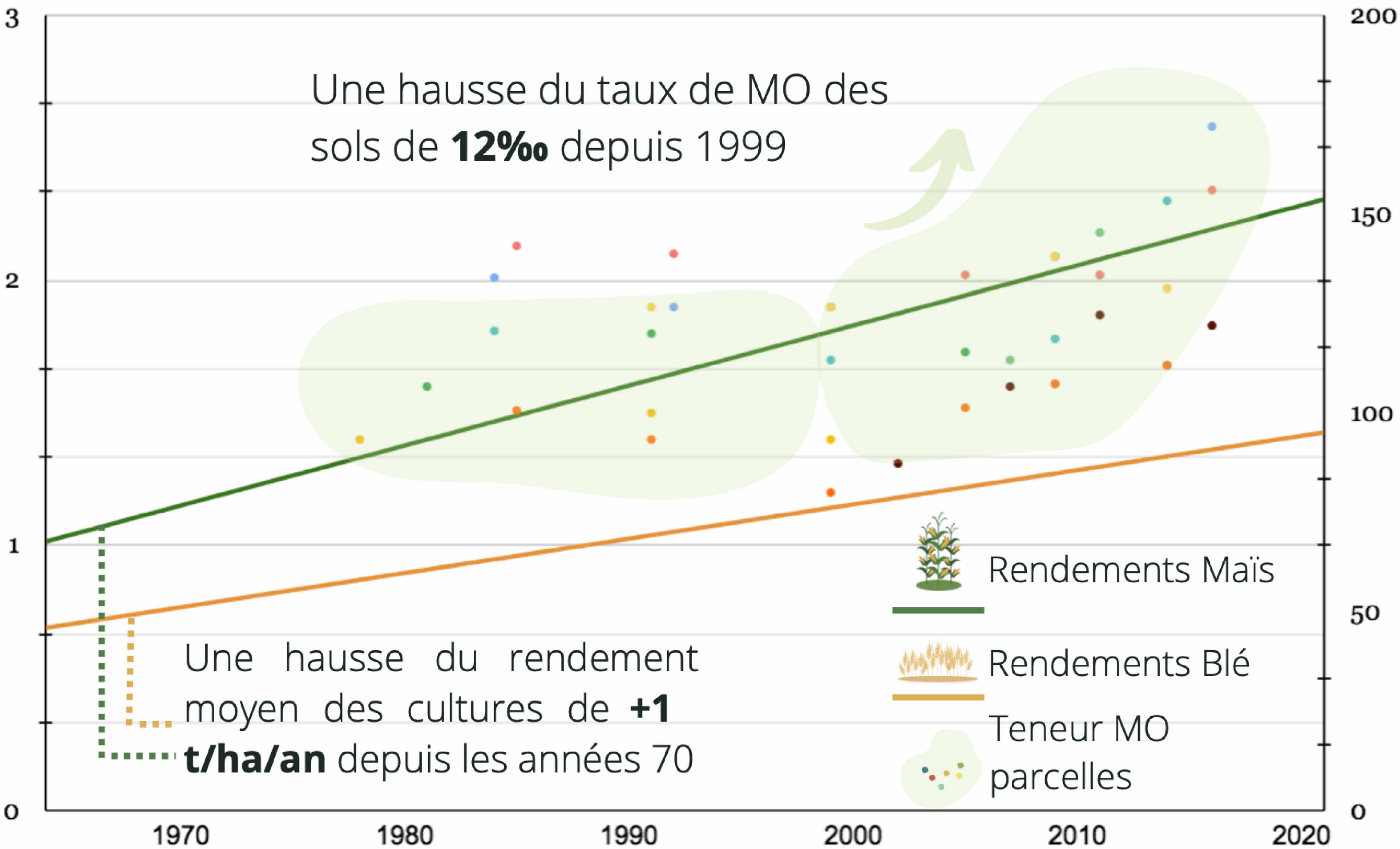


Teneur en MO

des sols de l'exploitation (%)

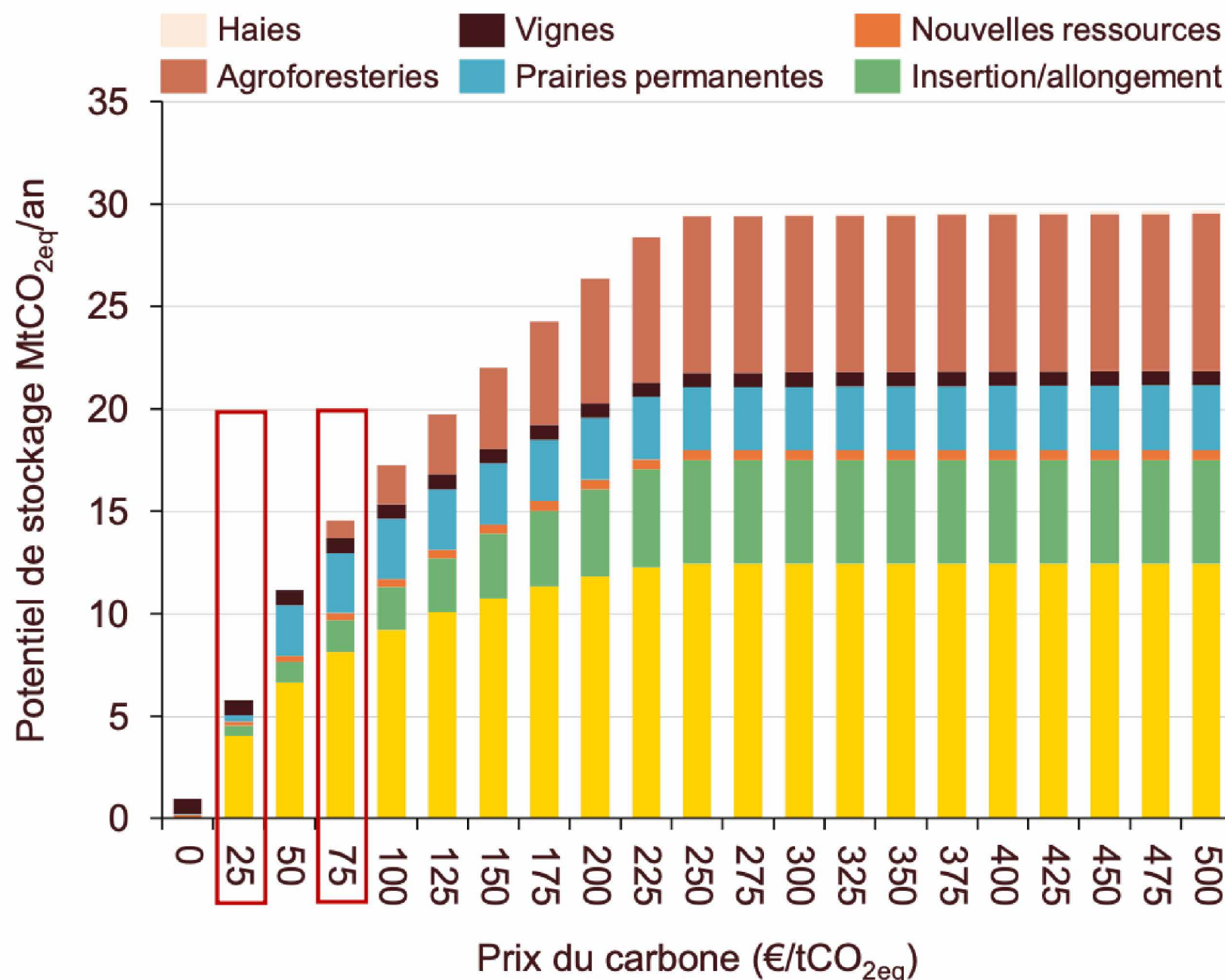
Rendements (t/ha)

(Courbes de tendance)



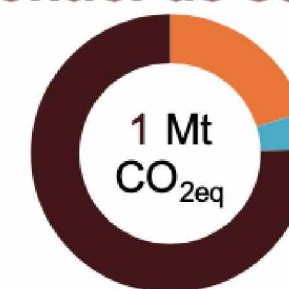
LE POTENTIEL DE STOCKAGE DU CARBONE AGRICOLE VARIE FORTEMENT EN FONCTION DU PRIX DU CARBONE (40€/T = 9 MT CO_{2EQ})

Potentiel de stockage de carbone dans les sols agricoles en fonction de son prix

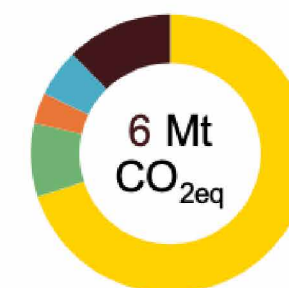


Potentiel de stockage

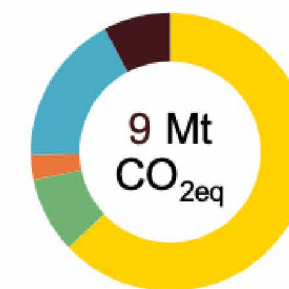
0 €/t CO_{2eq}



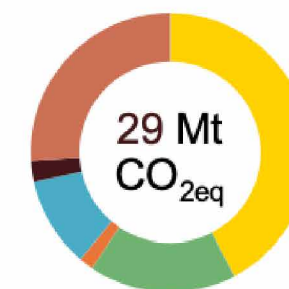
25 €/tCO_{2eq}



40 €/tCO_{2eq}



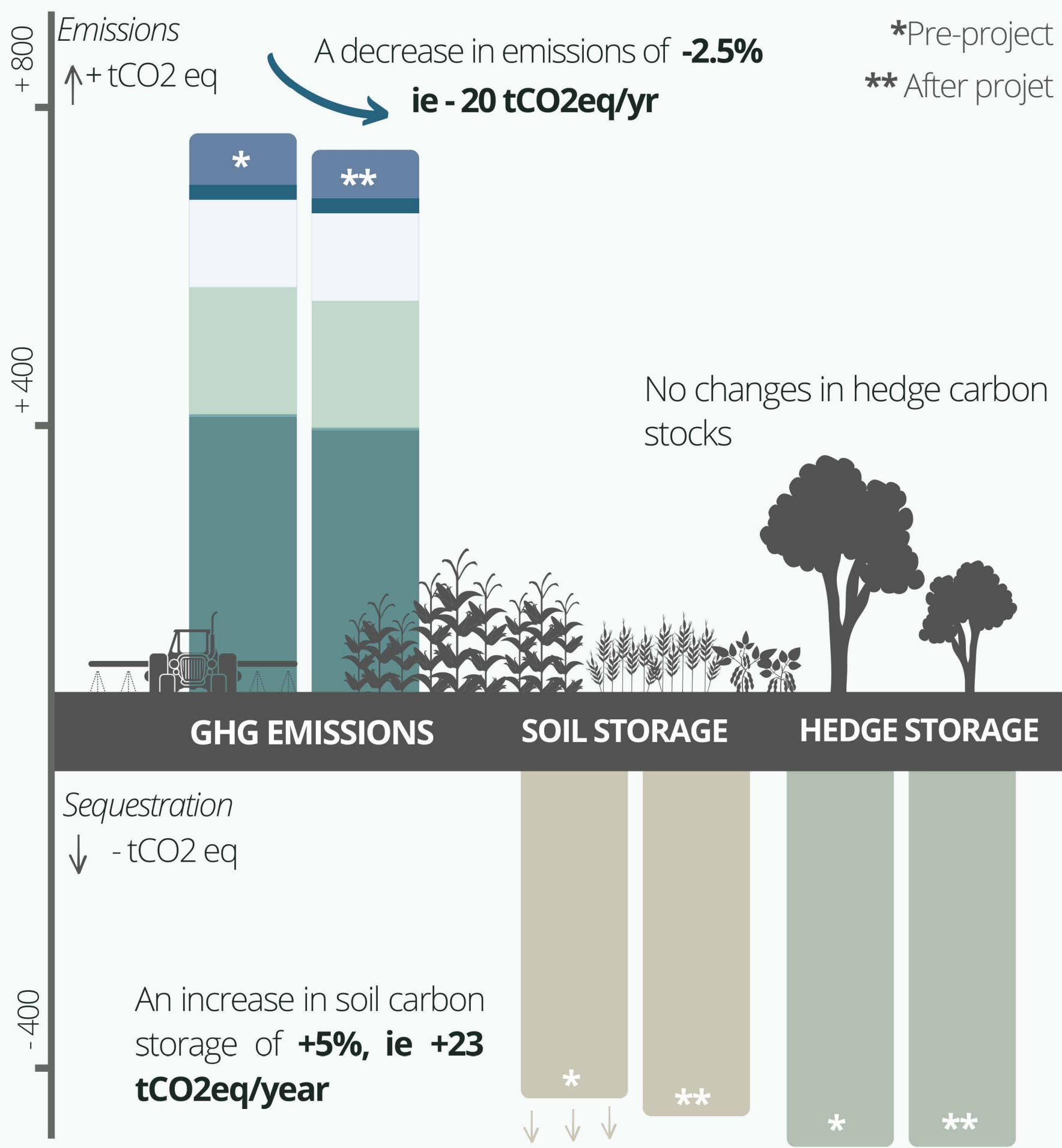
250 €/tCO_{2eq}



Méthode : estimation du potentiel de stockage en fonction du coût marginal de la pratique. Ce coût correspond aux prix du carbone à atteindre pour que le déploiement devienne intéressant. Il repose sur le stockage de carbone et le coût de mise en œuvre de la pratique.

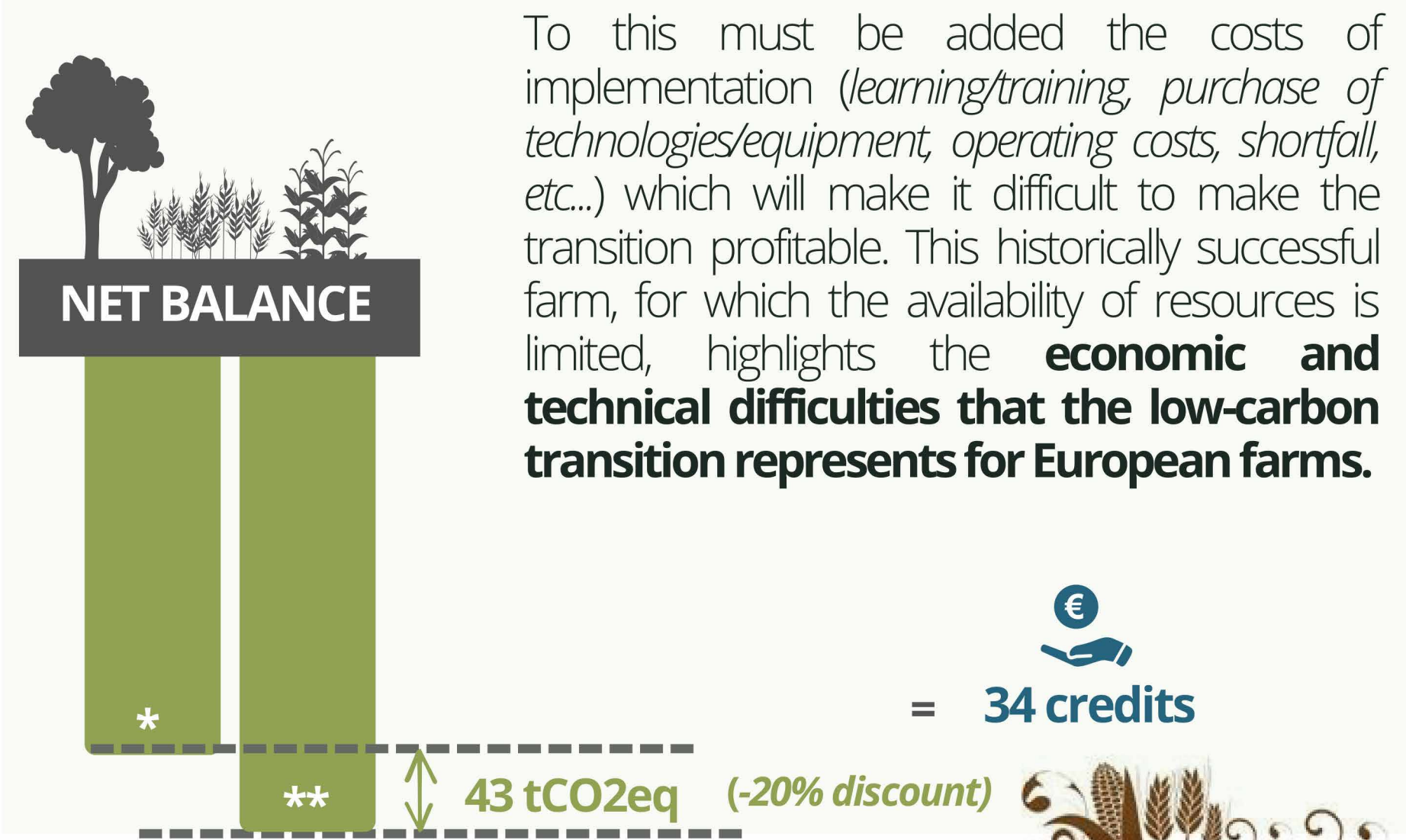
Source : AVRIL d'après INRAE, 2020

Taux de conversion : 1t carbone ~ 3,67 tCO_{2eq}



A DECREASE IN NET ISSUER BALANCE BY -13%

The decrease in emissions associated with the increase in soil carbon stocks leads, thanks to the project, to a positive difference for the climate: a mitigation of - 43 tCO₂eq/year. With a discount of -20% including the risk of impermanence, increasing number of credits from 43 to 34 and with a market sale price of the credit at €35/tCO₂eq, the operation can expect a potential remuneration of €1,190/year for its transition. This does not cover the transition costs of the operation: the costs of technical, administrative and financial support are already estimated at more than 1000€/year (follow-up, diagnosis, etc...).



To this must be added the costs of implementation (*learning/training, purchase of technologies/equipment, operating costs, shortfall, etc...*) which will make it difficult to make the transition profitable. This historically successful farm, for which the availability of resources is limited, highlights the **economic and technical difficulties that the low-carbon transition represents for European farms.**



A large basket filled with yellow corn cobs, viewed through a chain-link fence. The corn is piled high, and some husks are visible. A teal rectangular box is overlaid in the center of the image.

THANK YOU