



## 3<sup>rd</sup> EU policy forum

# SEQUESTERING CARBON IN SOILS AND THE ASSOCIATED TRADE-OFFS

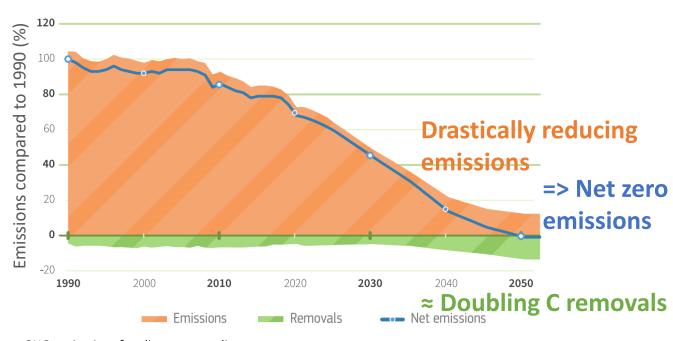
#### Welcome address

Claire Chenu, INRAE **EJP SOIL coordinator** 



## **Towards climate neutrality**

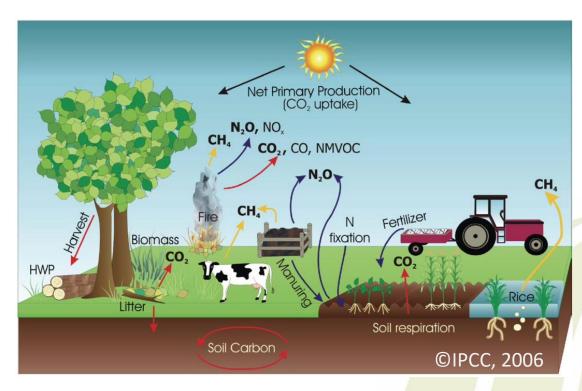
#### EU climate ambitions:



GHG projections for climate neutrality Source: EU 2030 Climate Target Plan

LULUCF target of -310 MtCO<sub>2</sub> removals in 2030

#### Upscaling land-based C removals: C farming



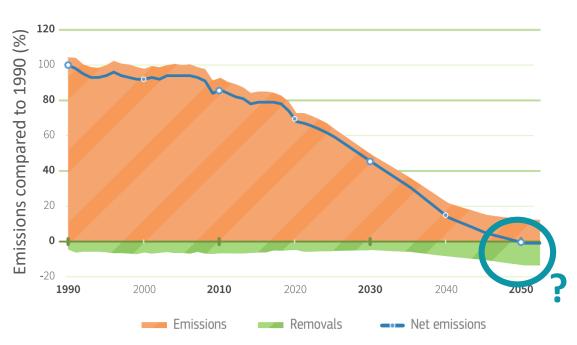


Commission proposal for a Regulation on Carbon Removals Certification





### EJP SOIL Towards climate-smart and sustainable management of agricultural soils



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LULUCF target of -310 MtCO<sub>2</sub> removals in 2030

#### Upscaling land-based C removals: C farming

C sequestration understanding



Possibilities and limits of C sequestration in soils understood

Management options evaluation: SOC sequestration

potential



Climate mitigation potential quantified

Trade-offs SOC-N-P analysis, prediction



Robust and accurate MRV systems

MRV methodology



Fair and efficient farmscale C payments

Incentives and policies evaluations







### EJP SOIL Towards climate-smart and sustainable management of agricultural soils

WP2 Stoctakes & Roadmapping

WP7 Network of long-term field experiments

WP7 Access to research infrastructures

WP5 Short term visits

WP5 PhD schools

WP6 Harmonized and available soil information

EnergyLink AgroEcoSeq MixRootC MaxRootC CarboSeq EOM4Soil Soil C Insure sequestration & Trace-Soils climate **SOMMIT** change mitigation Steropes ProbeField Research projects Simple Biocash Road4Schemes C sequestration understanding

Management options evaluation:
SOC sequestration

potential

Trade-offs SOC-N-P analysis, prediction

MRV methodology

Incentives and policies evaluations

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### **EJP SOIL** Towards climate-smart and sustainable management of agricultural soils

WP2 Stoctakes & Roadmapping

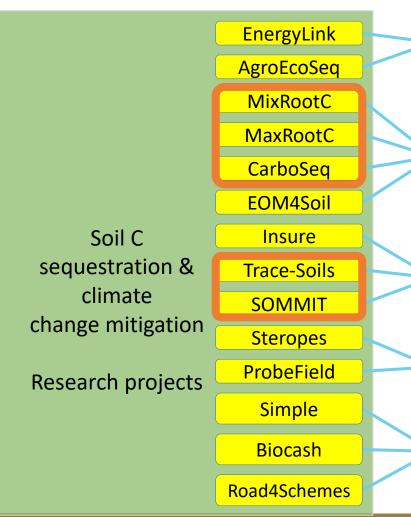
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## **Agenda**

09:30	Welcome Address	Claire Chenu, EJP SOIL Coordinator, INRAE
09:35	Sequestering carbon in soil	Axel Don, EJP SOIL CARBOSEQ Project Coordinator, Thünen Institute
09:55	Question & Answer Session	Moderator – Irene Criscuoli & Giovanni Dara Guccione, EJP SOIL WP8 Co-Lead, CREA
10: 20 - Coffee Break — 10 minutes		
10:30	Trade-offs associated with carbon sequestration	Marta Goberna, EJP SOIL TRACE-Soils Project Coordinator, CSIC & Roberta Calone, EJP SOIL SOMMIT Project, CREA
10:50	Question & Answer Session	Moderator – David Wall, EJP SOIL WP8 Leader, Teagasc
11:15	MentiMeter	Moderator – Avion Phillips, EJP SOIL WP8, Teagasc
11:25	Closing Remarks	David Wall, EJP SOIL WP8 Leader, Teagasc

