



**EJP SOIL**

European Joint Programme

B1- Session:



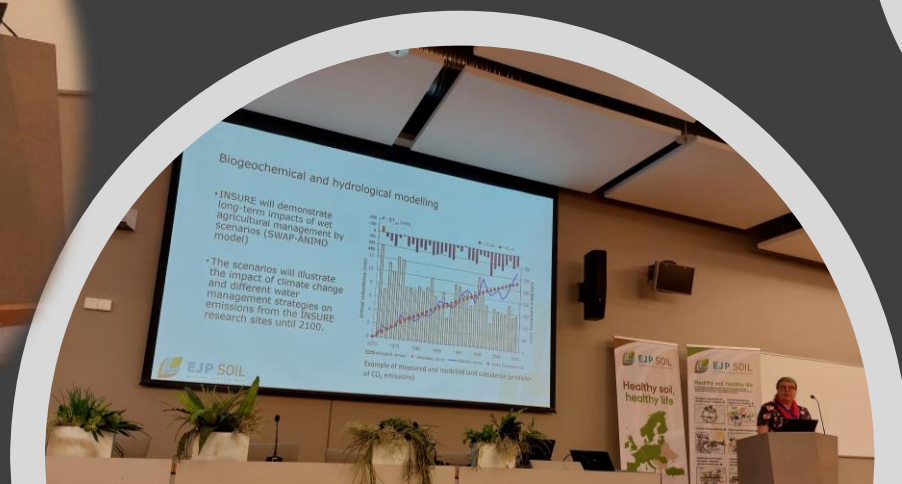
**Carbon sequestration  
and trade-offs**

EJP SOIL Annual Science Days 2023

**Conveners:** Felipe Bastida, Cristina Aponte

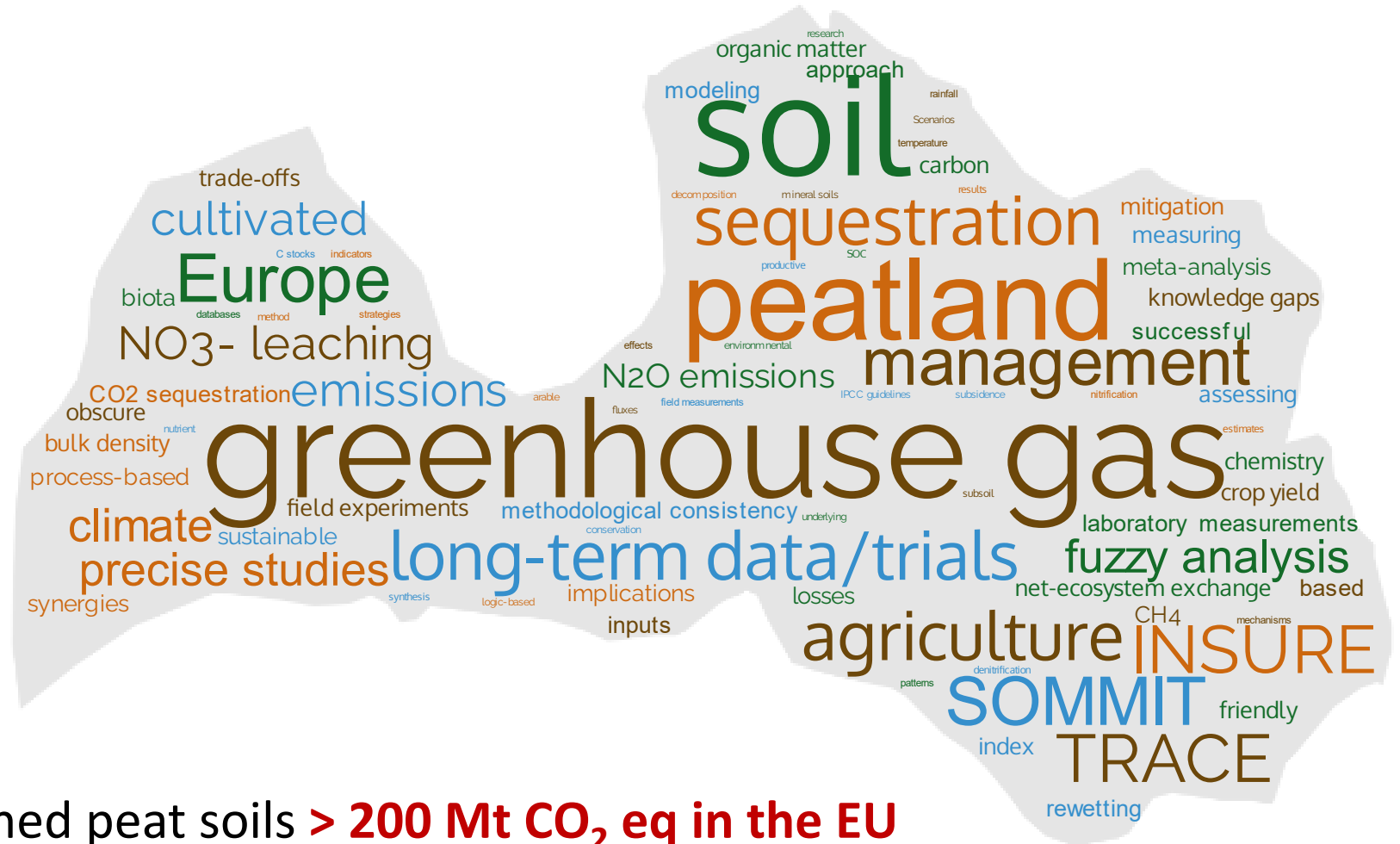
**Observer:** Ulises Esparza-Robles

A fruitful session  
with many experts  
gathered to  
discuss different  
points of view



INSURE  
TRACE-Soils  
ΣOMMIT

# Topics



- Decomposition in drained peat soils **> 200 Mt CO<sub>2</sub> eq in the EU**
  - GHG mitigation potential of rewetting (**10-30 t CO<sub>2</sub> eq ha<sup>-1</sup> a<sup>-1</sup>**)
- N<sub>2</sub>O emissions in mineral soils (cropland) when applying organic matter inputs:
  - Replacement: potential to **↓ N<sub>2</sub>O**
  - Addition: potential to **↑ N<sub>2</sub>O**





Thank you for  
your attention!

Paldies!

