



Annual Science Day, 10-14/06/2024 Vilnius (LT)

Soil health challenges and farmers adaptation strategies: transition pathways in Türkiye and the European Union

Francesco Galioto, Francesca Varia, Giovanni Dara Guccione, Sabina Asins, Javier Renovell, Akin Un, Tali Monis, Monika Vilkiene, Ieva Mockeviciene, Raimonds Kasparinskis, Baiba Dirnena, Alessandra Vaccaro, Laura Viganò



EJP SOIL
European Joint Programme

EJP SOIL has received
funding from the European
Union's Horizon 2020
research and innovation
programme: Grant
agreement No 862695



Synthetic overview

Key messages

A farmers' survey in 5 study regions involving 70 farmers, was conducted to investigate soil-related challenges addressing dominant agricultural systems (A).

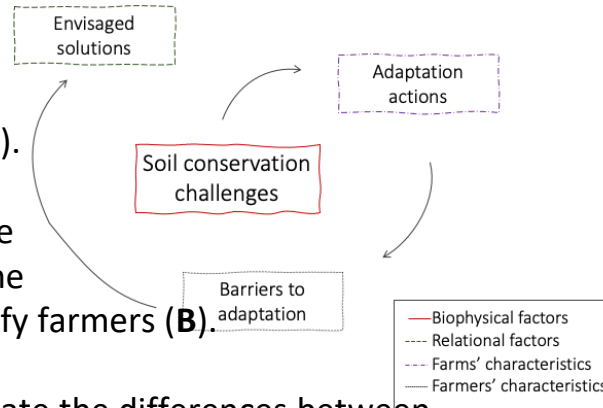
A DEA techniques was developed to assess the farm scale at which observed farms reveal the highest soil-health performances and to classify farmers (B).

A fisher exact test was conducted to investigate the differences between farms' size classes (C).

The results of this work reveal farms at the optimal scale for dealing with soil-related challenges are more sensitive to landscape and pollution issues than others.

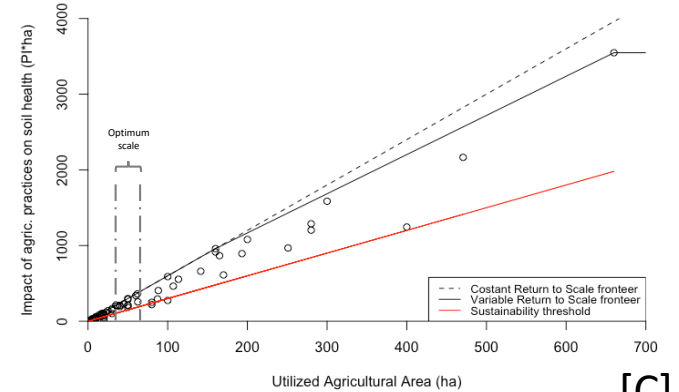
But optimal scale tends to prevail in an area like Türkiye, which lacks a system of rules and incentives to promote sustainable use of agricultural resources compared to the other study regions. **The why this happens will be explored during the poster session!**

Methodology



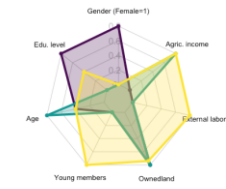
[A
]

Results

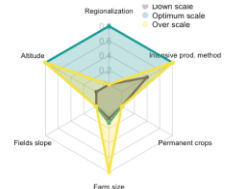


[B]

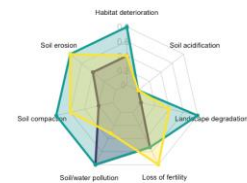
Farmers' characteristics



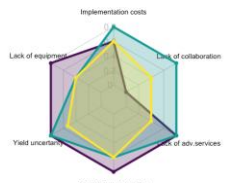
Farms' characteristics



Soil-health challenges



Existing barriers



[C]