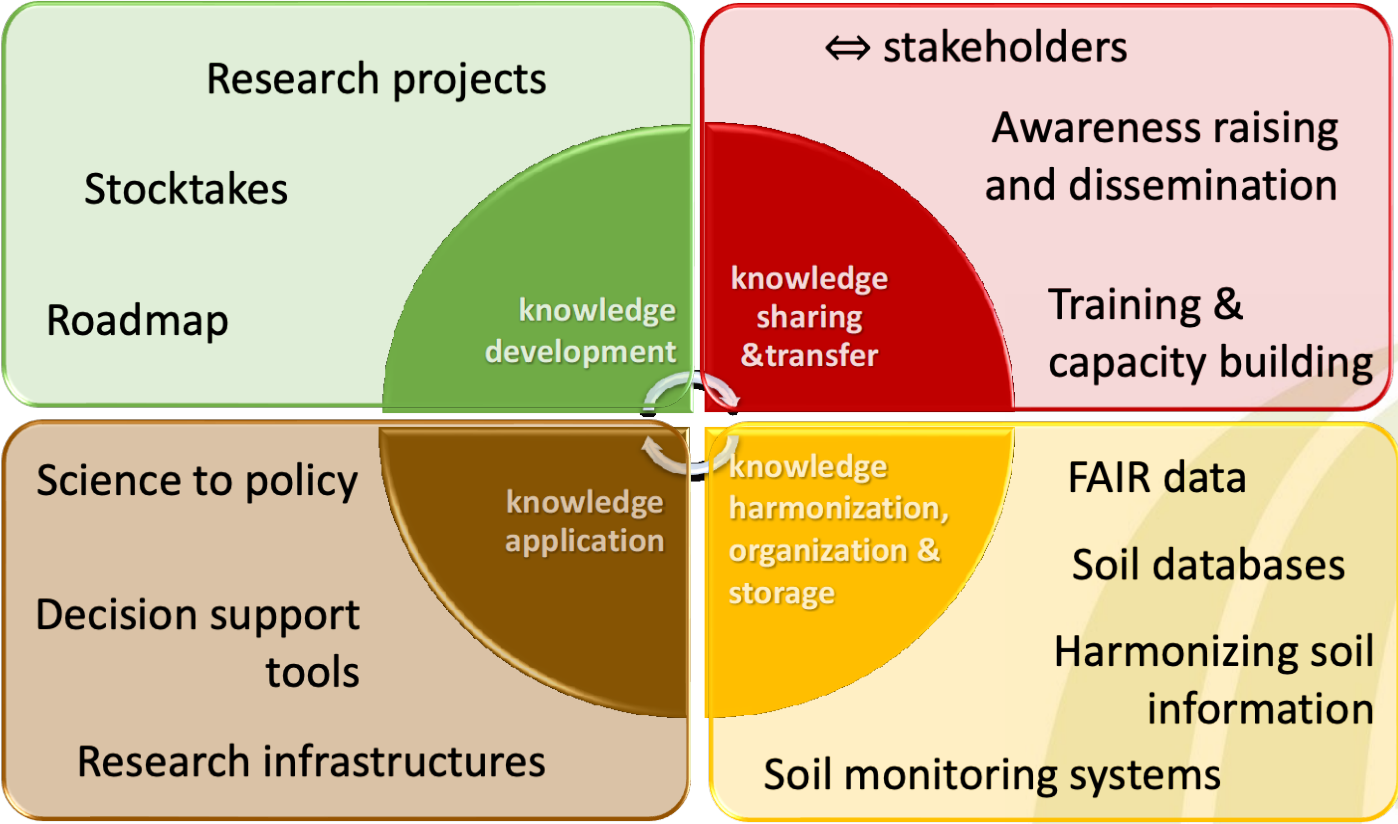




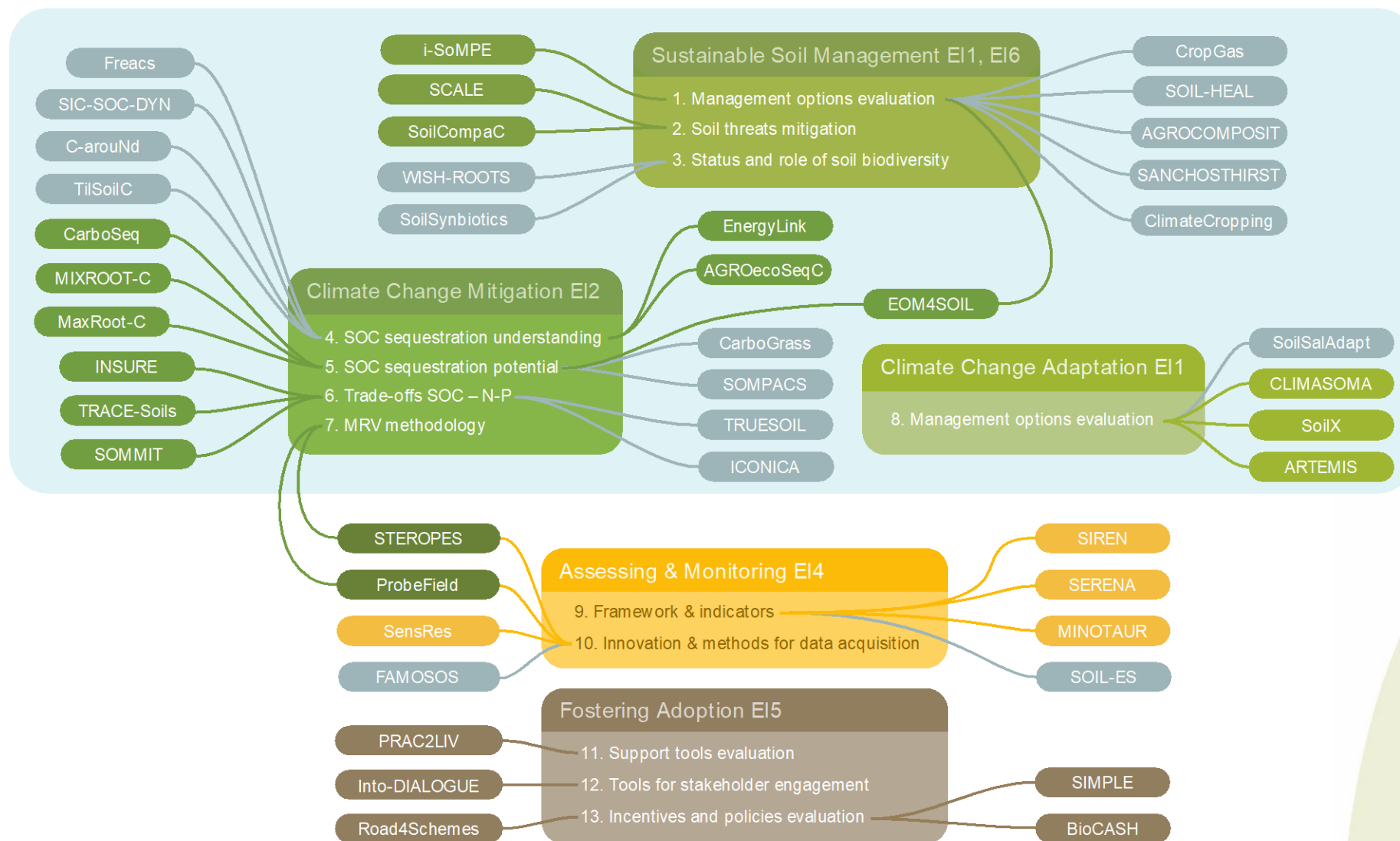
European Joint Programme SOIL: Towards climate-smart sustainable management of agricultural soils

Claire Chenu
INRAE, EJP SOIL coordinator

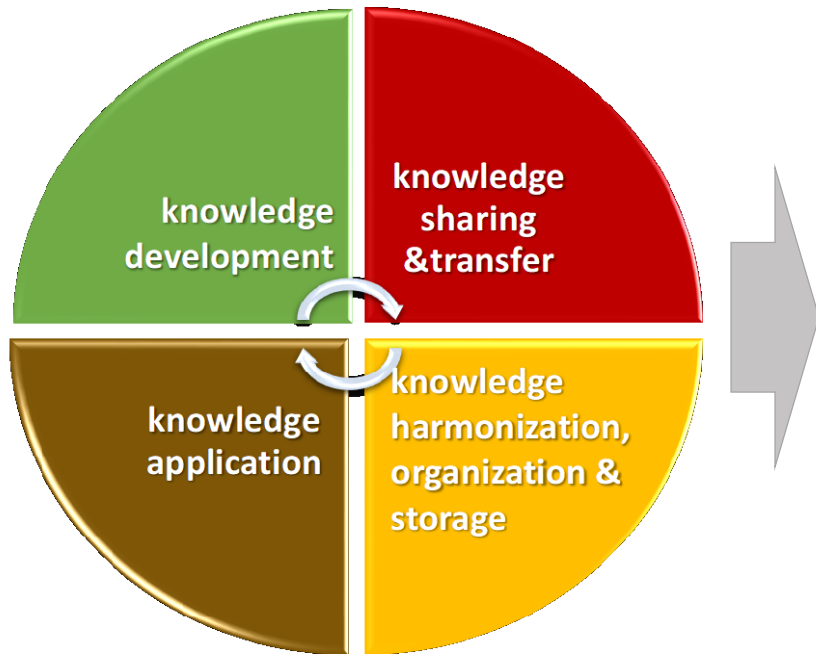
European Joint Programme SOIL, 2020-2025



Landscape of EJP SOIL research projects

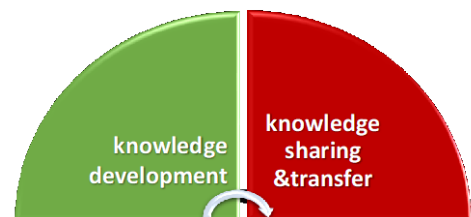


EJP SOIL: achievements



Alignment of soils research in Europe

- ✓ *Integrated research results*
- ✓ *Capacity building of young scientists*
- ✓ *Network “National Hubs”*
- ✓ *Harmonisation of soil information*
- ✓ *Research infrastructures: LTEs*
- ✓ *Science - soil advisors interface*
- ✓ *Science - policy interface*



An open-source metadata dataset of running European mid- and long-term agricultural field experiments

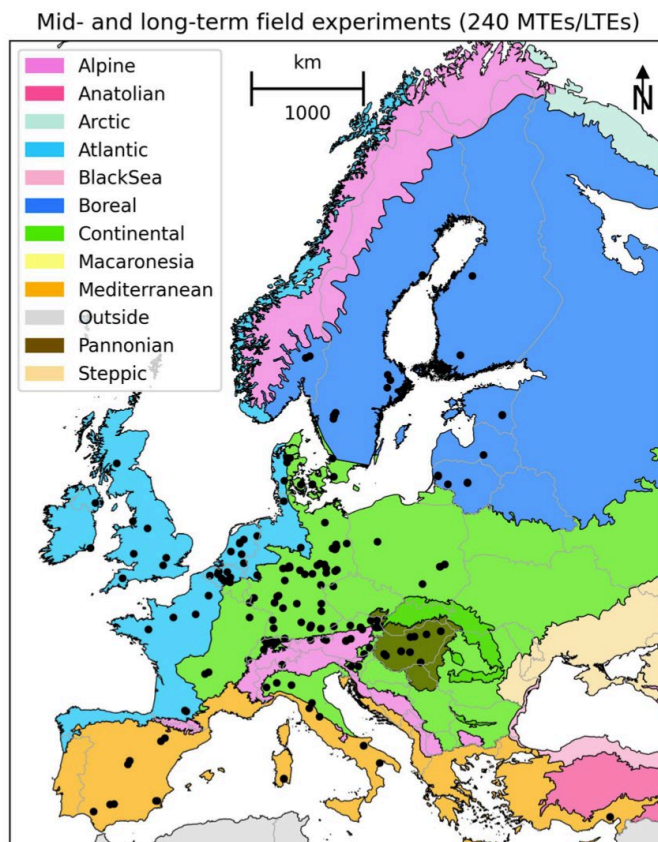


FIGURE 3 Distribution of the collected mid- and long-term field experiments across Europe with European biogeographical regions.

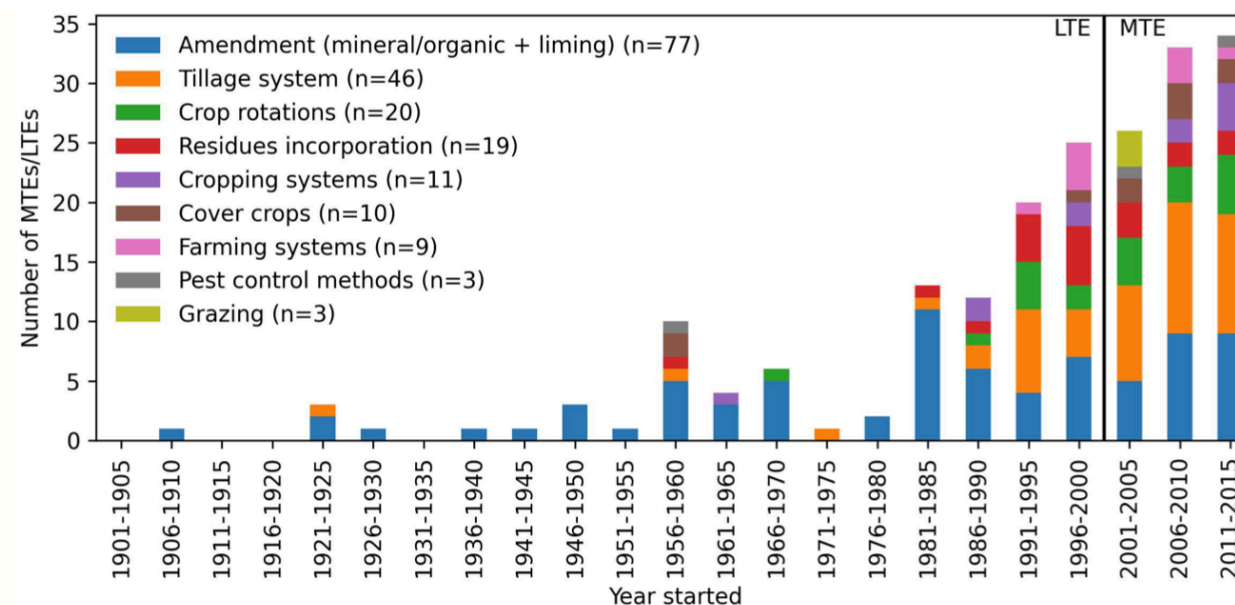


FIGURE 6 Evolution of newly started MTEs/LTEs with respect to their research themes. Note that one MTE/LTE can have several research themes (e.g. it can investigate both tillage and cover crops) and hence can be counted multiple times. The research theme about ‘amendments’ includes experiments that investigate mineral/organic or no fertilizer (67 MTEs/LTEs) and 10 MTEs/LTEs investigating liming.

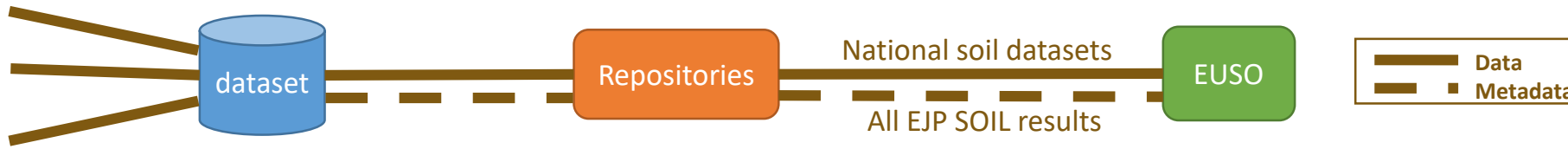
Dommez et al. 2022, Data in Brief

Blanchy et al. 2023, Soil Use and Management DOI: 10.1111/sum.12978

Collaboration with Bonares that hosts the database and will maintain it <https://lte-eu.bonares.de/experiments>



Tools for managing and sharing soil information



We propose tools :

- [Wiki](#) with guidance on soil data provisioning options
- [Template](#) for standardized relational database model based on ISO 28258
- [Codelists](#) : standardized machine-readable definitions & vocabulary
- [Geopackage for 'INSPIRE-compliant' soil data exchange](#)
- [Metadata EJP SOIL catalog](#) now populated with EJP SOIL metadata & national soil metadata



Search in the catalogue

Records recently modified

Adoption rate of 58 innovative soil management practices
This dataset was

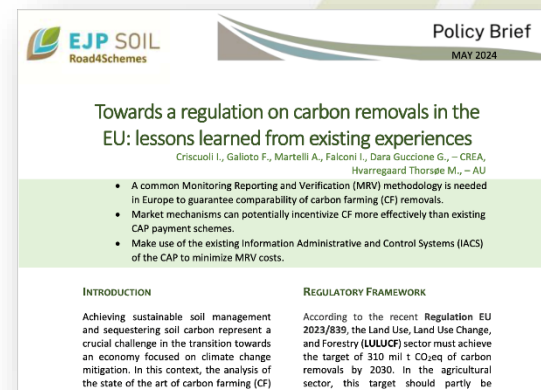
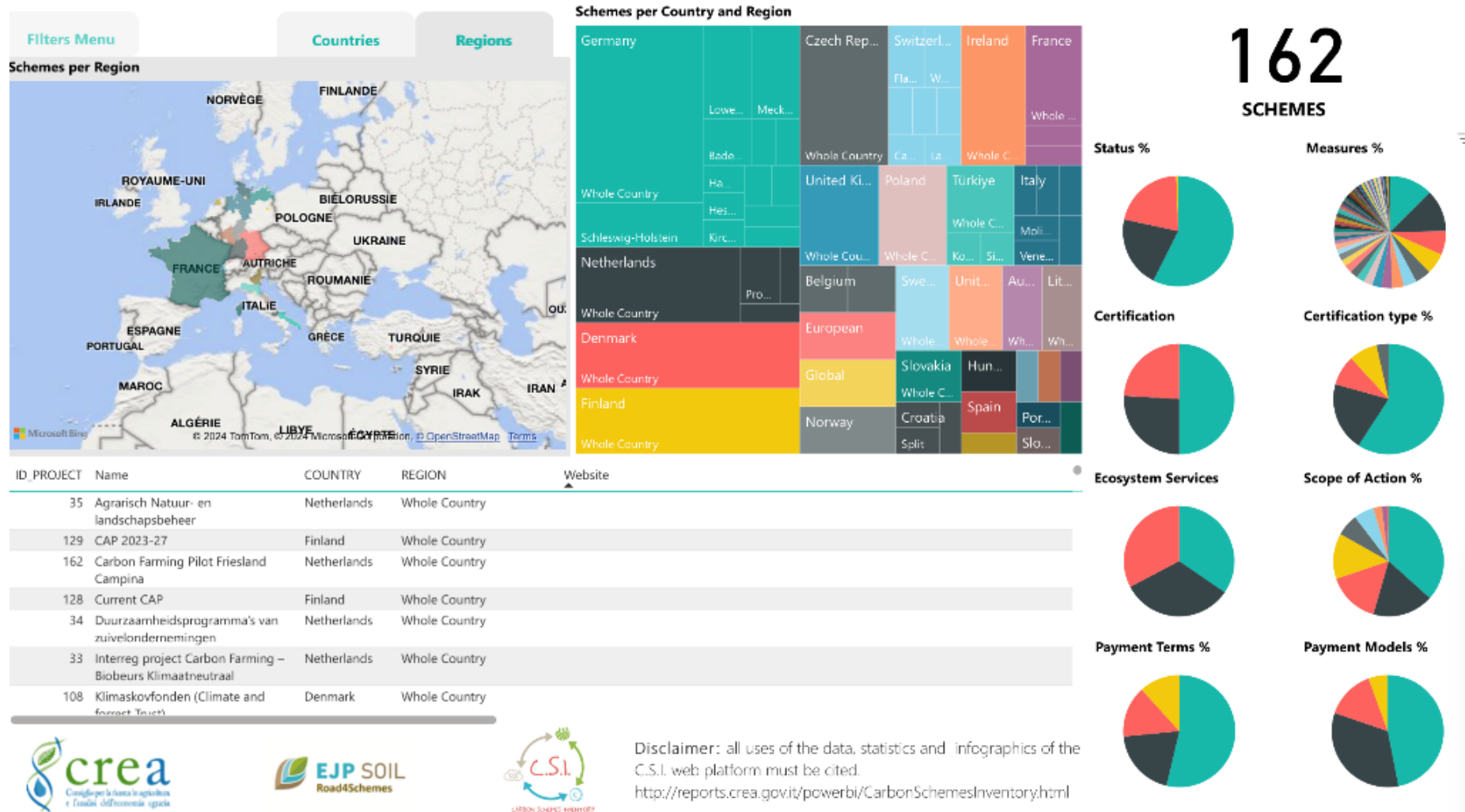
Agroecological Zones of Europe used for i-SoMPE

Mathematical techniques to remove moisture effects from visi...

Long term climatic data for i-SoMPE
These maps were created for the i-

Supplementary material for: Quality Assessment of Meta-Analys...

Analysis of existing carbon farming schemes- A web platform



And after?



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





EUROPEAN UNION



EU MISSIONS

SOIL DEAL FOR EUROPE



Soil Health
BENCHMARKS



MARVIC
MRV for carbon farming



#EUmissions #HorizonEU #MissionSoil



EUROPEAN UNION



EU MISSIONS

SOIL DEAL FOR EUROPE

Integration and synthesis

Support to National Hubs

Science to policy interface

#EUmissions #HorizonEU #MissionSoil



EUROPEAN UNION



EU MISSIONS

SOIL DEAL FOR EU

Research roadmaps

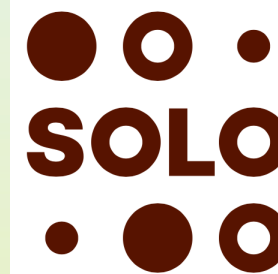


EJP SOIL
European Joint Programme

10-y roadmap



ORCaSa



<https://soils4europe.eu>

#EUmissions #HorizonEU #MissionSoil

