

















PARTICIPATORY DEVELOPMENT OF A SOIL HEALTH MONITORING PLATFORM WITH ORGANIC FARMERS COMMUNITIES

Mariateresa Lazzaro m.lazzaro@santannapisa.it
Institute of Life Sciences, Scuola Superiore Sant'Anna (Pisa)





1) START FROM **REAL** CHALLENGES OF STAKEHOLDERS

How to fit communities needs into research grant structure?













2) BE CLEAR ON WHAT DIGITAL TOOLS CAN AND WHAT CANNOT DO

How to make the interaction between ICT-stakeholders and agroecology-stakeholders work?

RICH PICTURE **EMERGING ISSUES**







SOIL HEALTH

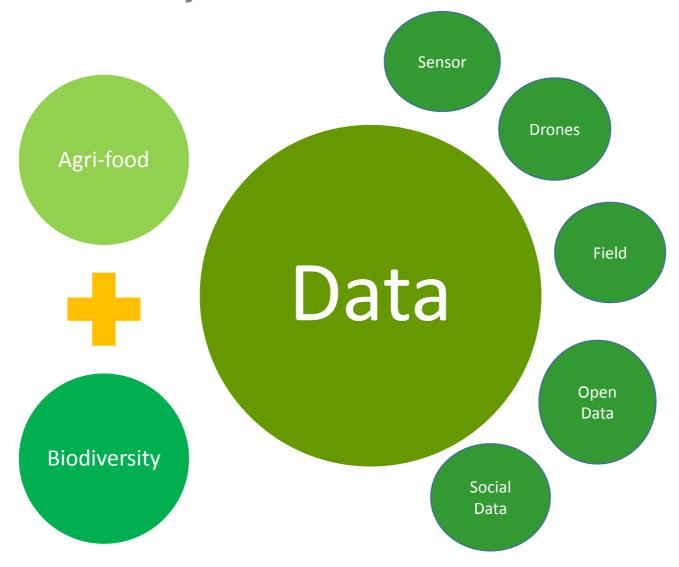
Data recording and sharing

knowledge repository

CAPSELLA

3) TAKE CARE OF DATA MANAGEMENT CHALLENGES (PROPERTY, PUBLICATION, SHARING)

How to integrate open data policies and protection of local knowledge? Who should own data and data-infrastructures?























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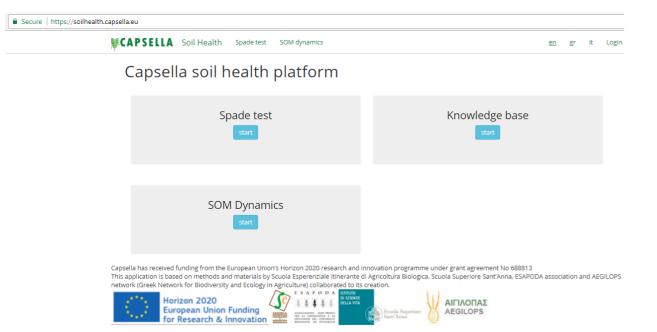
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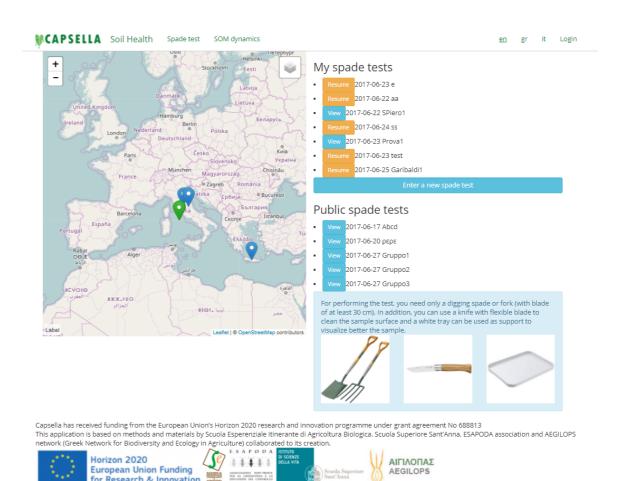


DIGITALIZED SPADE TEST

CAPSELLA PLATFORM



SPADE TEST FUNCTION



HTTPS://SOILHEALTH.CAPSELLA.EU/



SOIL HEALTH

PHYSICAL fertility

SOIL

HEALTH

Good structure
Oxygenation
H₂O infiltration and retention

Nutrients cycling
Biological buffer
to diseases
Dynamic equilibrium
of diversity

BIOLOGICAL fertility

CHEMICAL fertility

Nutrients availability
Optimal pH
Lack of pollutants





SPADE TEST

- Qualitative method
- Fast and free of charge
- No need of technical support
- Increases farmer awareness

