## **Applied Plant Research is working on Soil Quality**

Operations

Soil tillage

Organic matter

Fertilization

Crop rotation

...

Soil

Development of:

- Strategies for non inversion tillage
- Strategies for enhancement of biological soil resilience
- Decision support systems for soil management

Testing of:

- Organic matter strategies
- Structure and soil improving agents
- Crop rotations and green manure crops

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**Biological** 

Chemical

Organic

matter

Assessment of effects of operations on soil properties

Development of an integrated set of soil indicators

Better understanding of the soil system

Development of new measurement methods

Physical



Cooperation and knowledge transfer

- Cooperation with all stakeholders
- International cooperation
- Field days and excursions
- Coaching of farmer networks
- Scientific publications and presentations
- Professional publications and presentations
- Web applications

Ecosystem services Production Water management Biodiversity

Climate

Assessment of effects of operations on ecosystem services



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