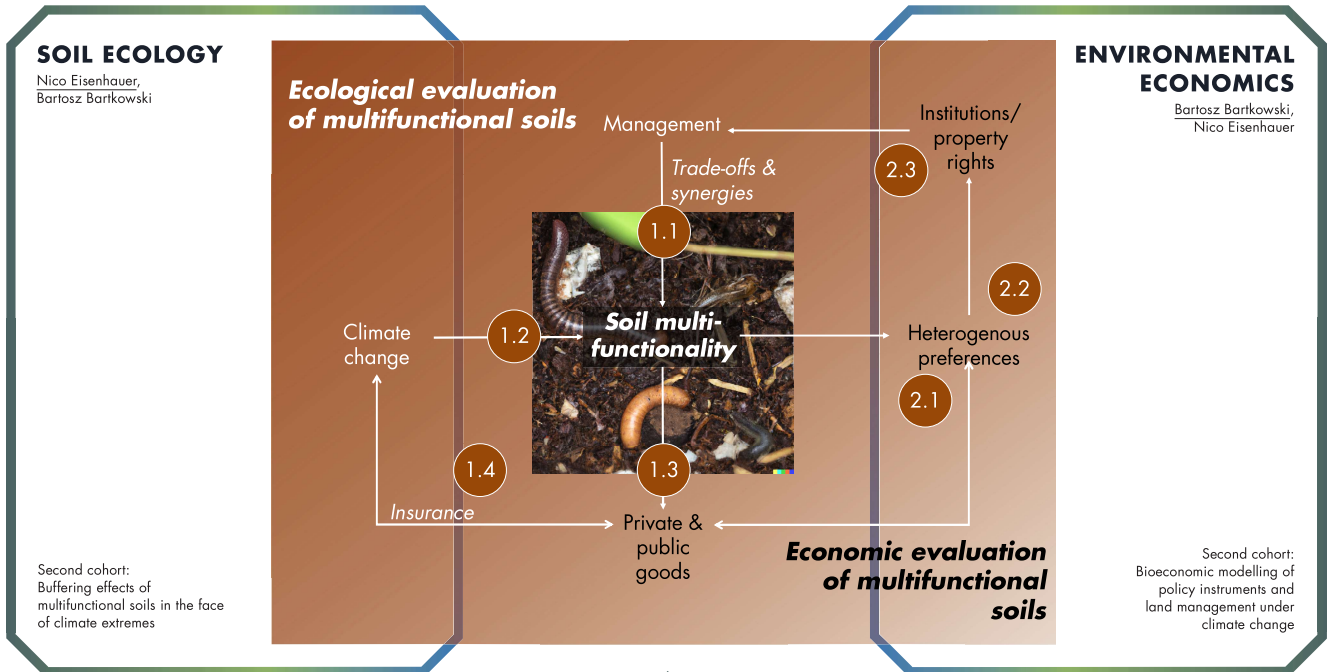
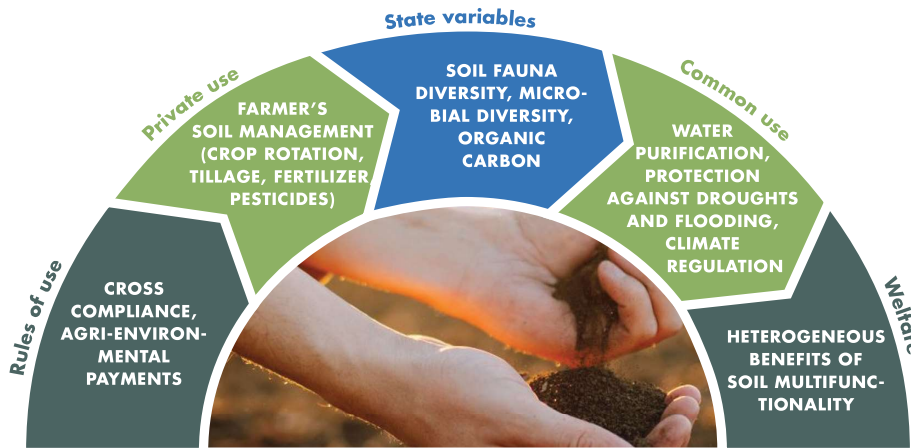




# WHAT ARE THE HUMAN BENEFITS OF SOIL MULTIFUNCTIONALITY?

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## ICP SOILS

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### ECOLOGICAL EVALUATION OF MULTIFUNCTIONAL SOILS

#### RESEARCH QUESTIONS

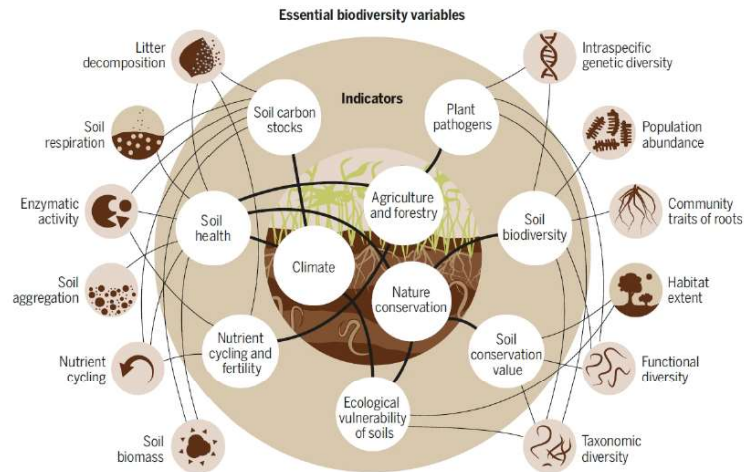
- What are the management options for and trade-offs between different soil-related ecosystem functions?
- What are promising mitigation actions for and natural insurance of multifunctional soils in a changing climate?

#### METHODS

- Multivariate and multifunctionality analyses
- Meta-analysis

#### PAPERS

- Paper 1.1: Identify management-related drivers and trade-offs of soil multifunctionality in agricultural contexts
- Paper 1.2: Predicted changes in and mitigation actions of soil functions related to public good/commons in a changing climate
- Paper 1.3: Identify most beneficial management practices for grasslands and agricultural fields in Central Europe
- (Joint) Paper 1.4: Interactions between soil multifunctionality and natural insurance



- WHAT ARE THE LINKS BETWEEN SOIL BIODIVERSITY, SOIL MULTIFUNCTIONALITY, AND HUMAN BENEFITS?
- WHAT DRIVES CHANGES IN THESE LINKS IN MANAGED (AGRICULTURAL) SOILS?
- WHAT ARE THE PREFERENCES OF DIFFERENT SOCIETAL GROUPS FOR SOIL BIODIVERSITY AND SOIL MULTIFUNCTIONALITY?
- WHAT CONSEQUENCES DO THESE HAVE FOR THE PROPERTY RIGHTS REGIMES AND POLICY FRAMEWORKS TO PROTECT MANAGED SOILS?

#### RESEARCH QUESTIONS

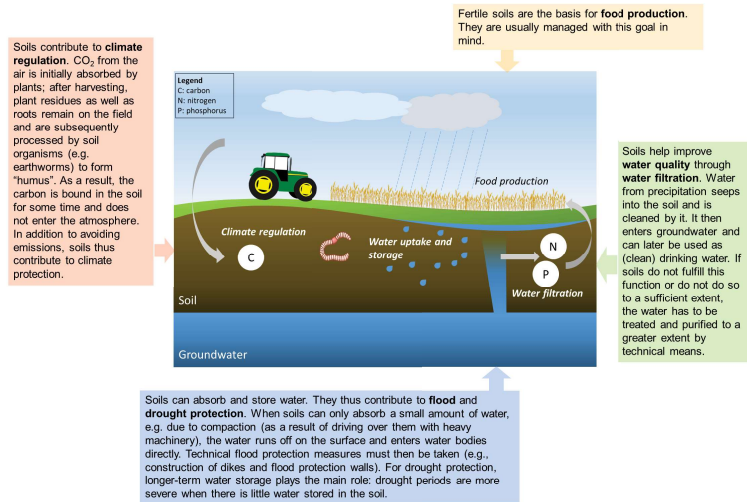
- What are the preferences of different societal groups for soil biodiversity and soil multifunctionality?
- What consequences do these have for the property rights regimes and policy frameworks to protect managed soils?

#### METHODS

- Deliberative monetary valuation
- Institutional analysis

#### PAPERS

- Paper 2.1: Uncovering public preferences for soil multifunctionality
- Paper 2.2: Understanding heterogeneity of preferences for soil multifunctionality
- (Joint) Paper 2.3: Effects of different groups' preferences on management and multifunctionality and consequences for institutional and property rights regime



### ECONOMIC EVALUATION OF MULTIFUNCTIONAL SOILS