

Bavarian State Research Center for Agriculture Technical University of Munich





Moving the frontier of comparative erosion measurements under different agricultural schemes

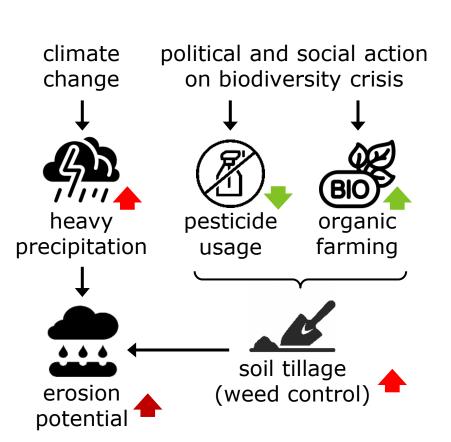
Development of a long-term, high-resolution, 4D erosion measurement site of the Bavarian Agricultural Institute in Lower Bavaria (Germany)

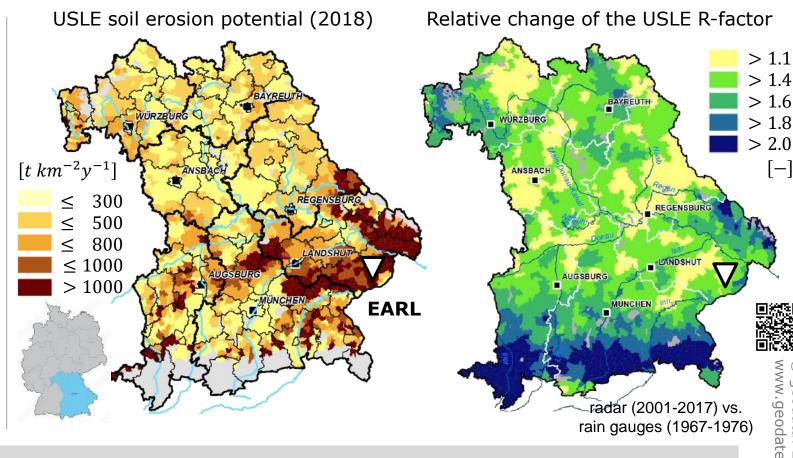
Ebertseder F., **Mitterer J.**, Disse M. EGU General Assembly 2022, GM 2.1 26th May 2022



advisary board

Motivation: Increasing erosion potential







How can we reduce soil erosion, nutrient loss, and pesticides simultaneously?

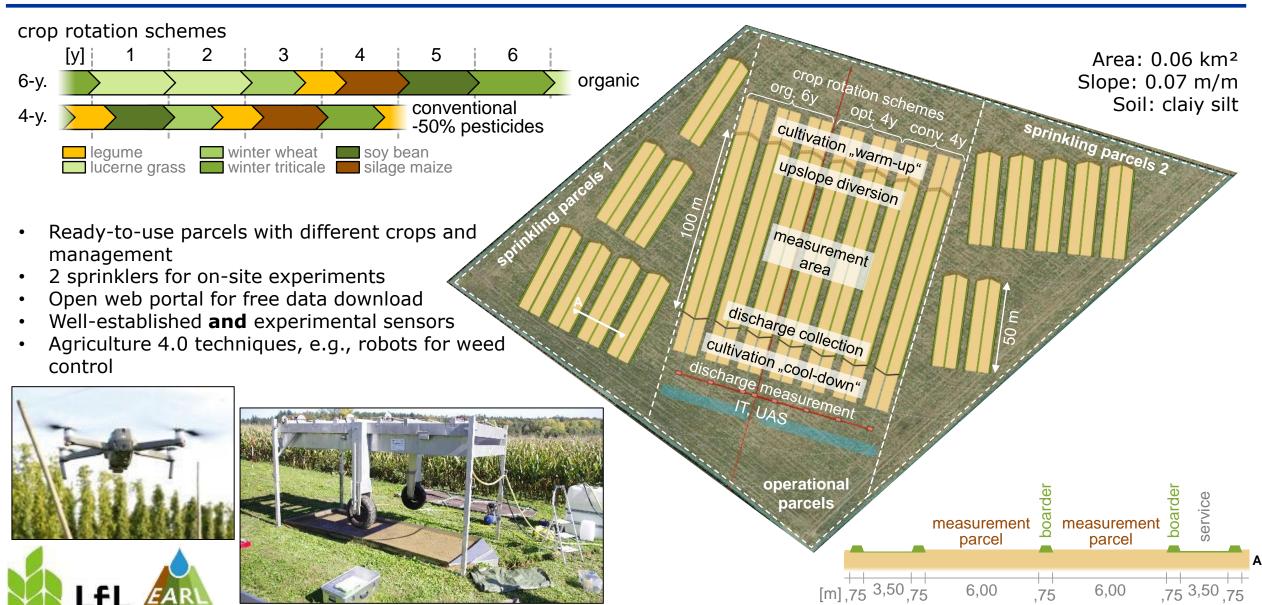


Long-term (>10a) open-air laboratory to compare erosion potential, water retention, nutrient fluxes and pesticide usage for different crop rotation schemes

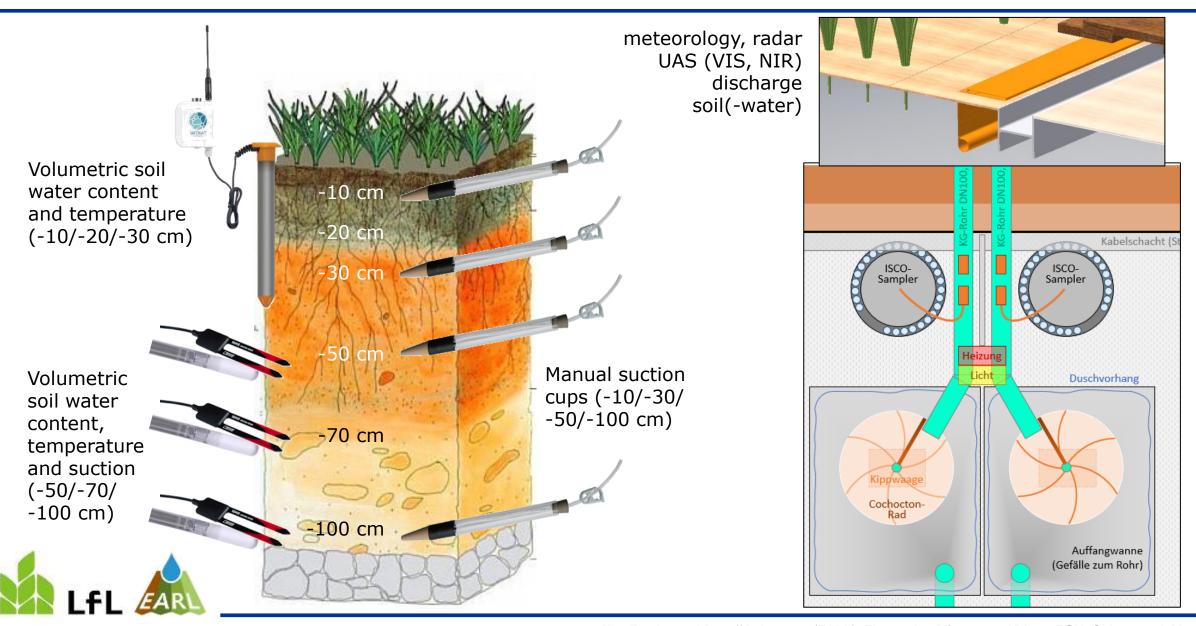


The Erosion and Runoff Laboratory





Measurement equipment in each operational parcel



Building a Scientific Network!





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Tag der Hydrologie EGU General Assembly ERB-Conference (06/2022) AGU (12/2022) ASABE Symposium (01/2023)

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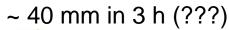






04th May 2022: Proof of location









 $USLE: 3130 \ t \ km^{-2} \ y^{-1}$

Time plan

