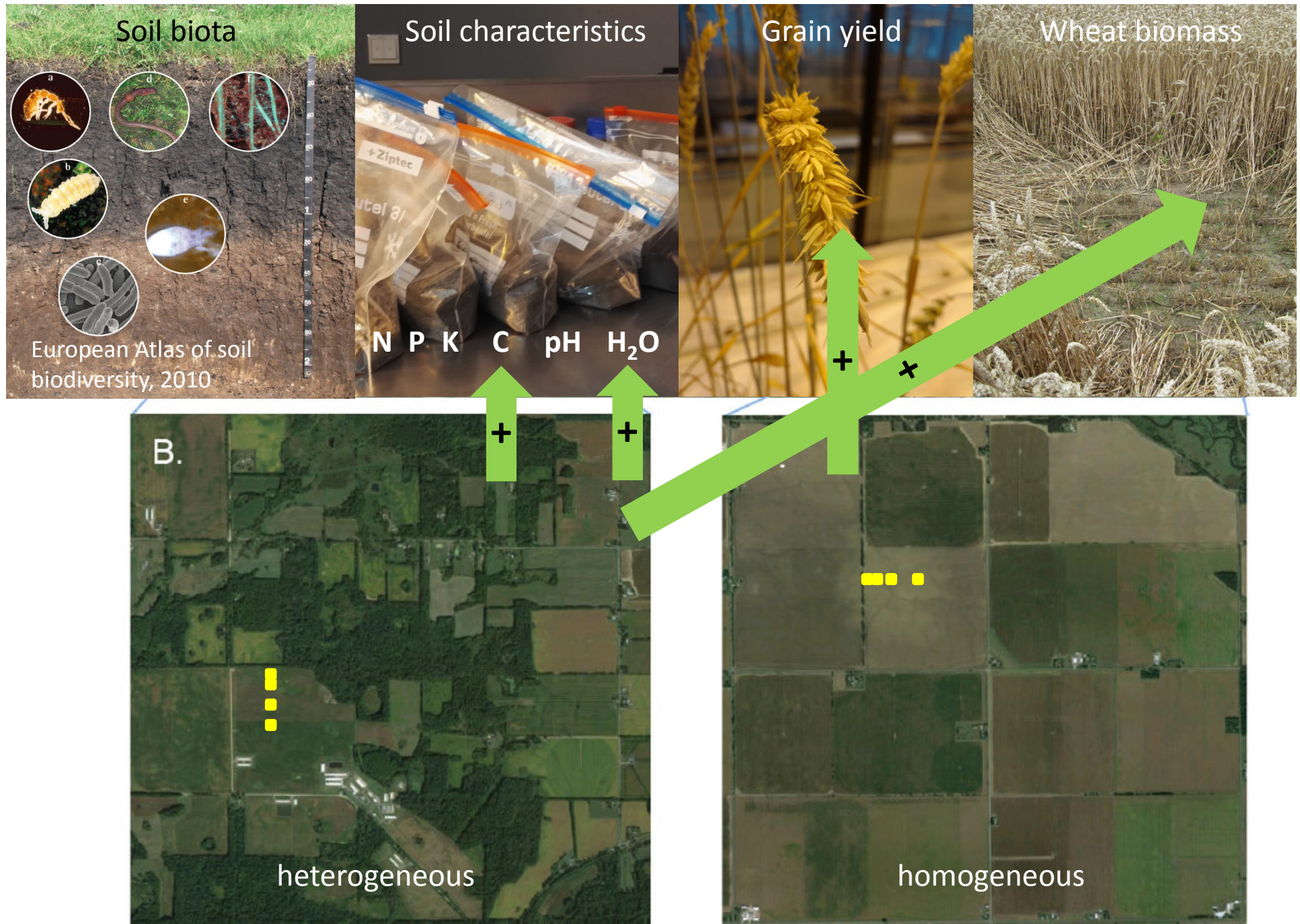


Bacteria and fungi in agricultural landscapes: almost invisible but the engine of plant production

Karin Pirhofer Walzl, Larissa Schaub, Jasmin Joshi, Matthias Rillig & the BASIL team

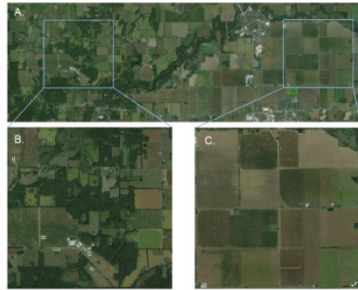






To take home and questions...

Take home messages:



no effect on soil bacteria and fungi
+ wheat biomass, soil moisture and soil organic carbon
- grain yield



Natural landscape elements (like **hedgerows**) may be **soil fungi and nutrient reservoirs** with potential benefits for agriculture

Knowledge gaps:

- How does agriculture benefit from **bacteria and fungal diversity**? What are the mechanisms?
- Studies **at landscape scale**: how important is landscape heterogeneity for microbial diversity and ecosystem services?