

## Persefone.jl: landscape-scale biodiversity impacts of agricultural practices



Department of Ecosystem Services, Helmholtz Center for Environemntal Research - UFZ, Institute of Biodiversity, Friedrich-Schiller-Universität Jena, German Center for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

https://persefone-model.eu



models movement, life history, and energetics

## **S**cientific questions:

- → How will the new CAP eco-schemes affect populations of farmland indicator species?
- → How much semi-natural habitat do we need in a landscape to stop biodiversity declines?
- $\rightarrow$  How cost-effective are different conservation measures, considering the yield feedbacks of ecosystem services?





![](_page_0_Picture_13.jpeg)

![](_page_0_Picture_14.jpeg)