

Co-designing insect-friendly agricultural landscapes – Results and experiences from a transdisciplinary process in three German landscape labs



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Facilitating insects in agricultural landscapes

Landscape labs (3 x 3 km) in FInAL



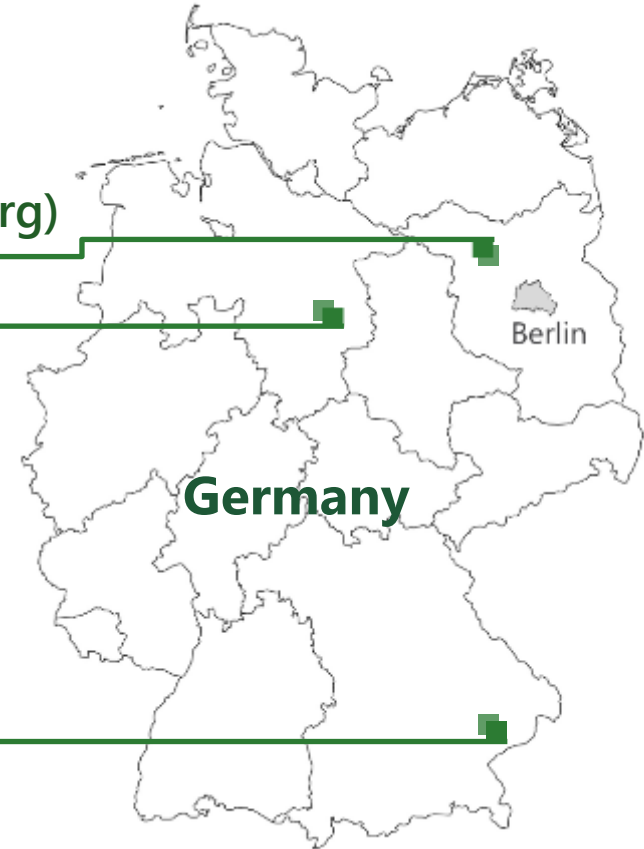
Havelländisches Luch (Brandenburg)



Elm (Lower Saxony)



Rottal (Bavaria)



How to empower people in the landscape labs?

- Approaches
- Perceptions / reflection
- Next steps



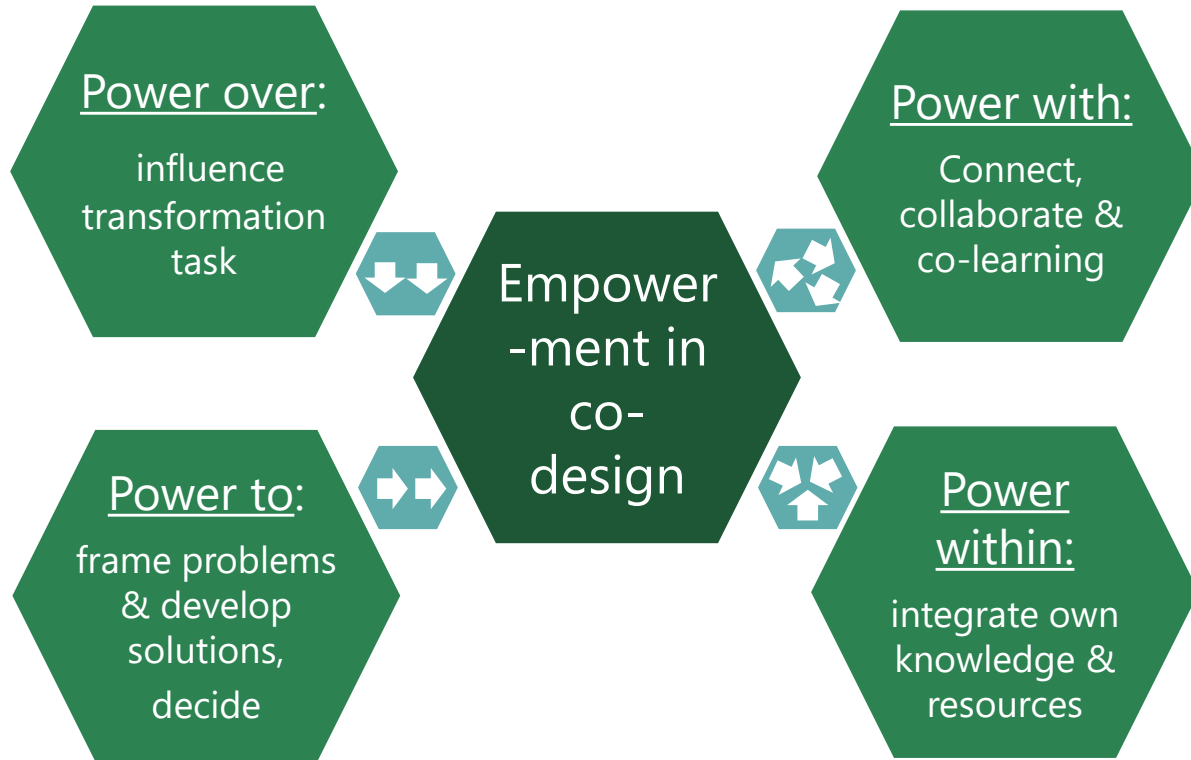
Landscape lab approach



Approaches: Co-design process



Empowerment = Process of building capacities



Empowerment is also related to procedural justice

Results: Perceptions at the start

Semi-structured interviews (semantic web analysis):

- Need for agroecological transformation and regional collaboration
- Perceived dependence from global agro-food system and EU policy with limited scope of action and self-efficacy

(Busse et al. 2021)



Results: Reflection of co-design process

Practitioners / farmers (n= 15)

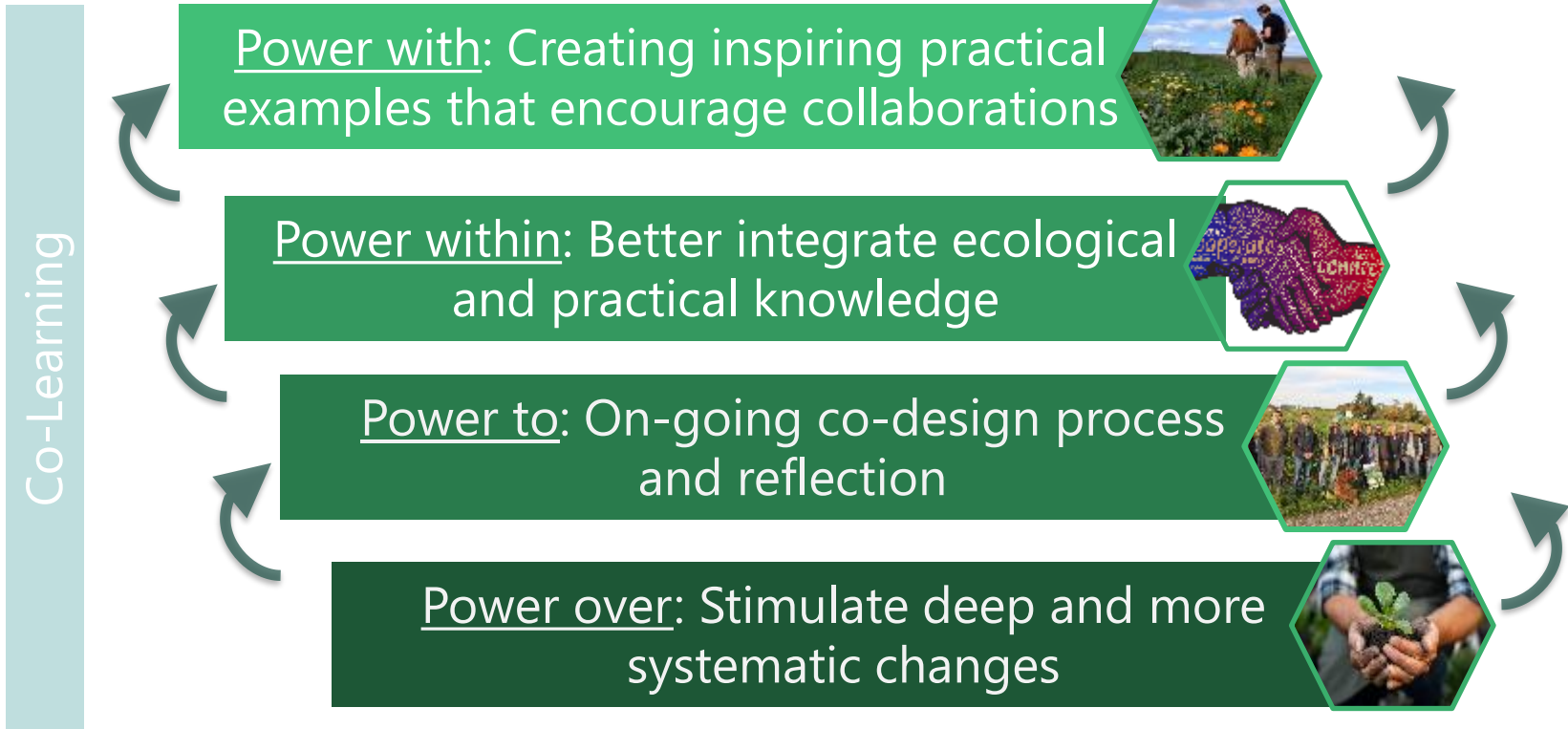


Discussion: Interpretation

- Interrelated levels = community + individual empowerment (Zamenopoulos et al. 2021)
- Power over transforming agricultural landscapes = difficult without:
 - “radical metamorphosis of the social network [agro-food system]” (Foucault 1977),
 - changing social practices (Maller 2023) and “deep values” (Rossi 2020)
- Encourage horizontal and vertical collaborations is needed



Next steps





Busse et al. (2021). How farmers think about insects: Perceptions ... *Biodiversity and Conservation*, 30(11), 3045–3066. <https://doi.org/10.1007/s10531-021-02235-2>

Hölting & Busse et al. (2022). Co-design: Working with farmers in Europe to halt the loss of biological diversity. *Ecological Solutions and Evidence*, 3(3). <https://doi.org/10.1002/2688-8319.12169>

Busse et al. (2023). Co-design approaches in land use related sustainability science. *Land Use Policy*, 129, 106623. <https://doi.org/10.1016/j.landusepol.2023.106623>



Thanks for your attention!



I invite you to:

- exchange experiences in different labs
- jointly compare results (cross-case analysis)
- collaborate in workshops for in EU partnership on agroecological living labs

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Results: Reflection of co-design process

