

eNaBLS

LNL

eNaBLS' German Living Lab

"Learn in Nature Lab"

Coordinated by UNIVERSITÄT HOHENHEIM 1818

Center for Biodiversity and Integrative Taxonomy (KomBioTa)

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Testing Pedagogies for Biodiversity & Sustainable Agriculture

eNaBLS

The Rationale

Integrating Nature-Based Solutions (NBS) into higher education requires testing "learning by doing" methodologies and evidence-based debate.

The **German Living Lab** (Learn in Nature Lab - LNL) established a university-centered learning environment to evaluate diverse teaching methods. By combining curricular case studies on permaculture and farming systems with extracurricular public dialogues, the LNL bridges scientific assessment criteria with real-world agroecological debates.

The Core Question

How can adaptive teaching methods and scientific debate embed agroecological NBS in higher education & society?

Key Pillars & Goals

- **Dual-Track Delivery:** Coupling accredited curricular modules (NBS Case Study) with open extracurricular formats (NBS 101).
- **Agroecological Case Studies:** Evaluating permaculture and farming systems against official eNaBLS inclusion/exclusion criteria.
- **Pedagogical Experimentation:** Empowering educators, PhD candidates, and student assistants to co-create transdisciplinary learning settings.

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Bringing the Learn in Nature Lab to Life

The 3-Phase Implementation Journey

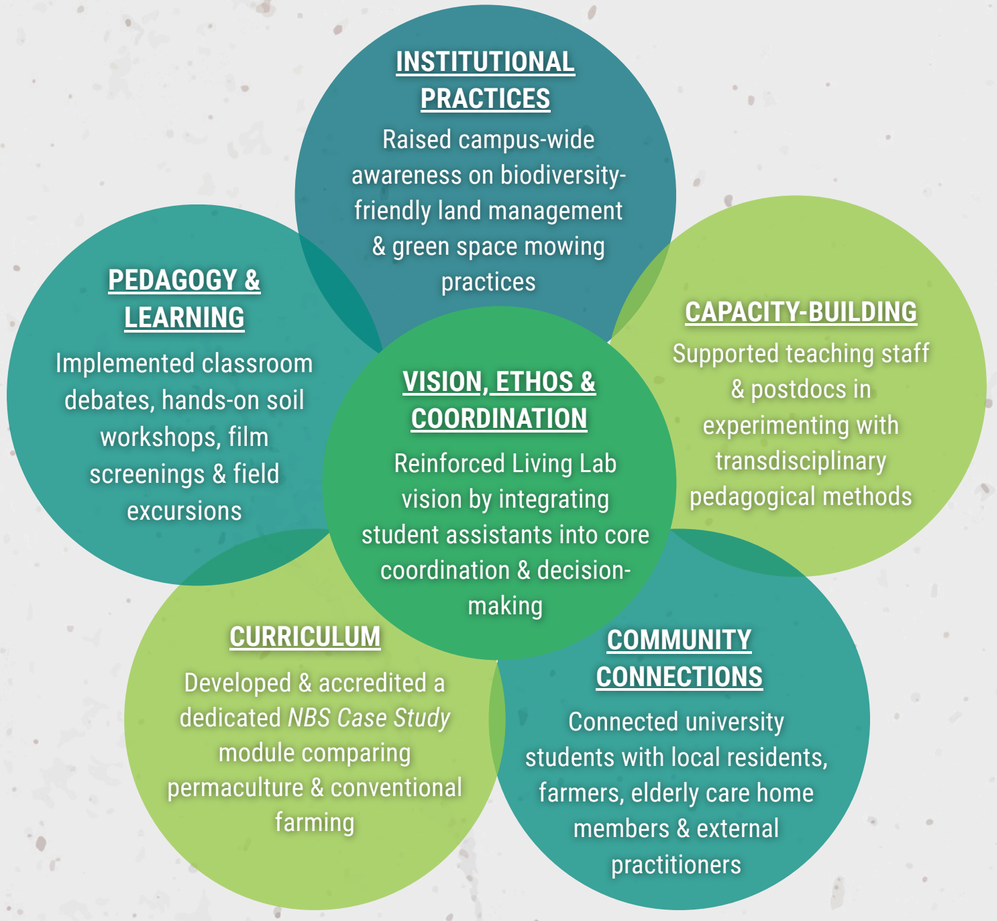
STEP 01 — **Design & Co-Create:** Identified core learning methods through initial stakeholder brainstorming and engaged student assistants to bridge staff-student communication.

STEP 02 — **Pilot & Debate:** Launched the accredited NBS Case Study module and conducted interactive NBS 101 public sessions on wild bees and sustainable land management.

STEP 03 — **Refine & Institutionalise:** Embedded NBS module offerings into UHOH degree programmes while establishing field excursions with local permaculture farms.

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The Whole Institution Approach (WIA)



"Learning by Doing in Practice": By combining rigorous scientific criteria with interactive classroom debates and farm visits, the LNL turned abstract agroecological concepts into a tangible learning experience.

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National Ecosystem & Strategic Scaling

Core Partner Network

ECHO

WAGENINGEN UNIVERSITY & RESEARCH

UNIVERSITÄT BONN

RetteGartenEden

Community Engagement

- **NBS 101 Public Series:** Delivered open sessions connecting students, local farmers, and neighborhood residents.
- **Multi-Channel Outreach:** Combined digital communications (LinkedIn, student WhatsApp) with local print campaigns across community centers and local schools.

Long-Term Legacy

Accredited Curricular Module

Permanently integrated the *NBS Case Study* module into the University of Hohenheim's official course catalogue for ongoing semesters.

Agroecological Farm Partnerships

Established lasting collaboration channels with permaculture experts and regional farming communities for continuous student fieldwork.

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