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MEMBER

Leibniz Innovation Farm for Sustainable Bioeconomy

Living Lab InnoHof LL | Germany

LEIBNIZ
INNOHOF

InnoHof® is a distributed research infrastructure that covers the entire bioeconomy value chain, from laboratory to practical scale. It connects primary agricultural production in fields and barns with processing steps up to residue valorisation. As a living lab, it brings together stakeholders from science, industry, and society.

By providing access to a wide range of innovation fields, including agroecology, InnoHof® acts as a hub for national and international projects. Its Data Hub, which is currently under development, will provide valuable data to support research communities.

Aim

InnoHof® promotes innovation in agroecology and bioeconomy, generating opportunities for stakeholders to jointly test and ultimately showcase innovations, ranging from technological to systemic-organisational ones. InnoHof® aims to contribute to the following overarching goals:

- Regional production of healthy food under a “One Health” approach, including biodiversity and animal welfare;
- Closing nutrient and material cycles, utilising residue streams for bio-based materials or as a renewable energy source;
- Sustainable business models for agriculture and food industry;
- Climate change mitigation and adaptation.

Background information

The concept of the InnoHof® originated within a group of twelve German Leibniz Research Institutes at the 2018 Leibniz Strategy Forum on ‘Conflicting Goals of Sustainable Biomass Production’. Following approval of funding from the Brandenburg Ministry of Science, Research and Culture, implementation began in 2021 under the auspices of the Leibniz Institute of Agricultural Engineering and Bioeconomy (ATB). The InnoHof® now brings together over 40 stakeholders from a variety of sectors, ranging from regional to international levels, being open for further cooperation.

Funding structure

ATB coordinates and facilitates the Research Infrastructure and the Living Lab, collaborating with stakeholders to develop further activities. The infrastructure is being set up using initial seed funding of € 25 million from the Brandenburg Ministry of Science, Research and Culture. Staff hours are primarily funded by third parties. An operator model is being prepared.

Activities

- There are numerous research and innovation projects ongoing, e.g. D4AgEcol-Digitalisation for agroecology <https://d4agecol.eu/> ;
- Field days and open farm days;
- Engagement with farmers and policy stakeholders.





Living Lab. Source: ATB



Source: ATB

Methods, stakeholder engagements and tools

In person and online public and scientific events; site visits; pilot studies; co-creation and participatory methods; lab, plot, and practical scale experiments; technical demonstrations; technology and system assessment under working conditions.

Achievements

- Over 40 partners from non-university & university research, as well as industry, are engaged and open for further cooperation;
- Over € 7 million is generated in third party funding annually;
- We are a partner in numerous demonstration and living lab initiatives nationally and internationally.

Publications

Video:

- Bioökonomie erleben: Zu Besuch bei dem InnoHof YouTube (in German; <https://www.youtube.com/watch?v=BYSLiZsnc3M>).



Contact

Websites:

- <https://www.leibniz-innohof.de...>
- <https://www.leibniz-innohof.de...>



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