



UNIVERSITY OF HOHENHEIM

Research Center for Bioeconomy

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FIELDS team from the Research Center for Bioeconomy



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The University of Hohenheim – three faculties



Agricultural Sciences



Natural Sciences



**Business, Economics
and Social Sciences**



Fields of Bioeconomy in Hohenheim

Sustainable Land-use
Resource Management
Market and Politics
Society

Food and Nutrition
Bio-based Resources
Bioenergy
Environment and Climate

Resource Management
Market and Politics
Society
Services



Bioeconomy Facilities in Hohenheim (I)



**Chief Bioeconomy Officer
Prof. Dr. Iris Lewandowski**

- Strategic development of the university-wide research focus
- Central contact person for bioeconomy topics
- Promotion of bioeconomy at research policy level
- Bundling Hohenheim activities



**Coordination Office Bioeconomy
Research Baden-Württemberg**

- Coordinating the development of a Bioeconomy research, innovation and education cluster
- Lignocellulose
 - Biogas
 - Microalgae
 - Modeling the bioeconomy
 - Accompanying research (social sciences & ecology)
 - Graduate program



**State Institute of Agricultural
Engineering and Bioenergy**

- Interface between university research and agricultural practice.
- Sustainable energy and resource management
 - Bioenergy production and network system services
 - Bioeconomy research
 - Platform chemicals
 - Energy applications of residual materials and nutrient management



Bioeconomy Facilities in Hohenheim (II)



Agricultural Experimental Station

Research laboratory and educational institution at Hohenheim.

- 6 locations to carry out research projects with plants outdoors and with livestock.
- Basic spaces, rooms, technical equipment, and trained personnel



Biorefinery Pilot Plant

- Variable technical center
- Integration of biorefinery concepts in an agricultural farm (coupling to biogas plant)
- Database for Scale-Up
- Production of product samples



Food Technical Center

Technical Centers with Pilot Plants

- Distillery for Research and Training
- Dairy for Research and Training
- Cereal technology and process automatization
- Meat processing
- Process engineering (drying)
- Software-led sensory lab



Bioeconomy Facilities in Hohenheim (III)



Research Center for Bioeconomy

- Organization of Events
- Consultant for researchers in Hohenheim
- Composing various project proposals
- Management of multiple projects
- Establishing and maintaining national and international networks
- Lobbying



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Research Center for Bioeconomy – Projects (I)

SMARTCHAIN (HORIZON 2020)

„Towards Innovation - driven and smart solutions in short food supply chains “

Role: Coordinator

Web: <https://www.smartchain-platform.eu/en>



MYPACK (HORIZON 2020)

“Best markets for the exploitation of innovative sustainable food packaging solutions”

Role: Partner

Web: <https://www.mypackfood.eu/>





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Research Center for Bioeconomy – Projects (II)

ASKFOOD (Erasmus+)

“Alliance for Skills and Knowledge to Widen Food Sector-related Open Innovation, Optimization and Development”

Role: Partner

Web: <https://www.askfood.eu/>



iFAROS

“Decision Support for Optimized Site-Specific Fertilization based on Multi-source Data and Standardized Tools”

Role: Coordinator

Web: <http://ict-agri.eu/node/38661>





BIOCARB-4-FOOD

“Extraction and characterization of BIOactives and CARBohydrates from seaweeds and seagrasses
FOR FOOD-related applications”

Role: Partner

Web: <https://www.biocarb4food.eu/2019/04/08/biocarb-4-food-at>



TOSCA (eit Food)

„The development of organic supply chains that drive fair, transparent and
healthy options for the consumer”

Role: Partner





The V-Place (eit Food)

„Enabling consumer choice in Vegan or Vegetarian Food Products”

Role: Coordinator



Pro4Bake (eit Food)

“Optimization of bakery processes by a computational tool together with consumer feedback to minimize ecological footprint and food waste”

Role: Coordinator





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Research Center for Bioeconomy – Projects (V)

EFSET (eit Food)

„European Food Systems Education and Training“

Web: https://www.eitfood.eu/public-engagement/projects/european_food_systems_education_and_training_efset_programme

Role: Partner

