



TECHNISCHE HOCHSCHULE  
OSTWESTFALEN-LIPPE  
UNIVERSITY OF  
APPLIED SCIENCES  
AND ARTS

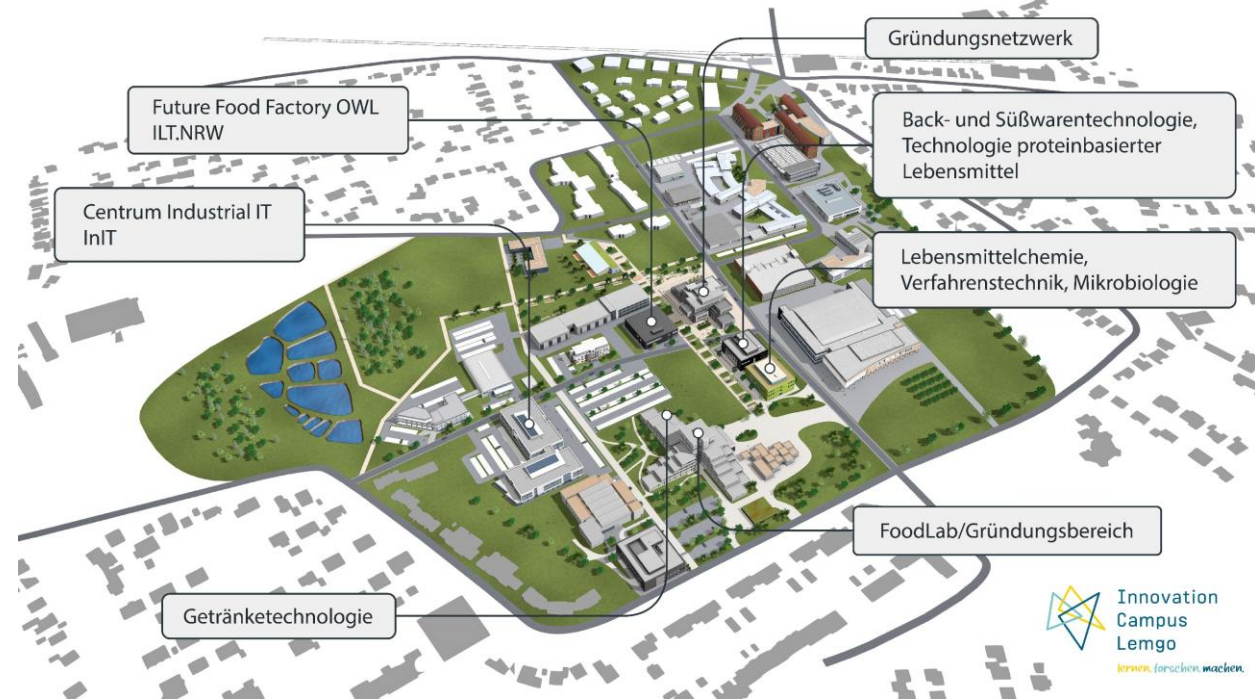
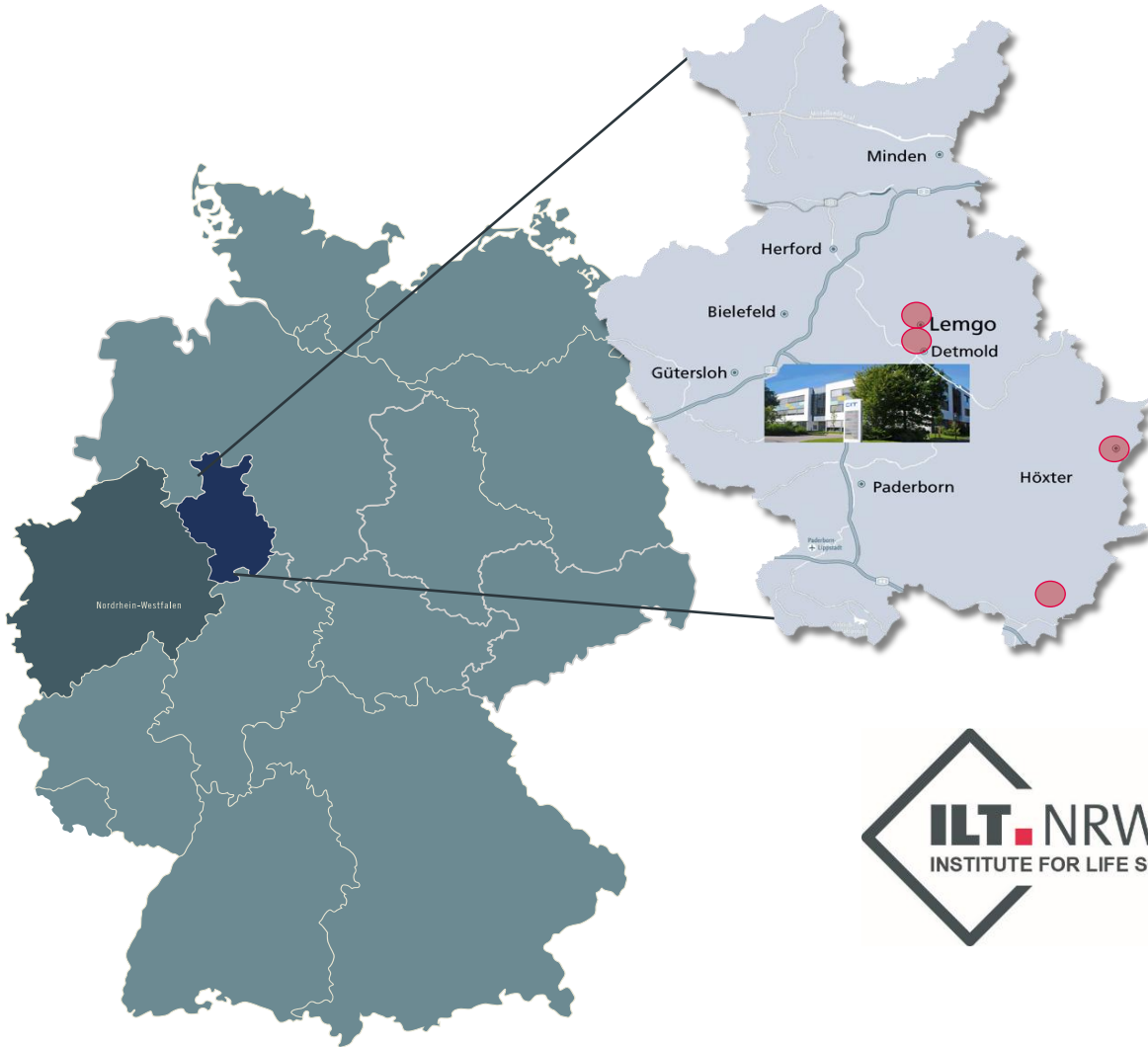


# Future Food Factory OWL

A Research Hub for the Food Production of the Future

March 07, 2025 Sebastian Wittland

# Ostwestfalen-Lippe (OWL)



# What is the Future Food Factory OWL?

## Equipment

- Technical center with a wide range of machines and equipment
- Integrated analytical laboratory with high-resolution time-of-flight mass spectrometer
- Sensory room with separate preparation room for human-sensory analysis of samples
- Separate project rooms with access to the pilot plant for joint work on projects
- A large start-up area for the development of new ideas and the realization of new companies in the food sector



# Our topics

## Real-Time Quality Control



- Real-time recognition
- Cyberphysical systems
- Assistance systems

## Refinery for Food Systems



- Holistic utilization
- Process optimization
- Sector coupling
- Re- and upcycling

## Food Data Processing and Automation



- Computer intelligence
- Sensor integration
- Data analytics and security
- Decentralization

## Food Innovations



- Nutritive valorization
- Clean Labelling
- Plant-based Alternatives
- Novel and Future Food

# What we are looking for?

## New collaborations with ...

- companys
- research institutes
- network partners
- international partners



## New research projects with topics such as ...

- digital transformation
- new innovative foods
- plant-based alternatives
- reduce food waste
- refinery for food systems
- sensory science, consumer research
- new analytical methods
- new process technologies
- smart kitchen, science cooking
- restaurant of the future, takeaway sales

**Networking and events at European and global level.**

**Start-Ups who want to realize their ideas together with us.**

**Offer training courses, seminars, individual workshops and lectures for companies, politicians and public people.**

**Let us work together to create a sustainable, modern, transparent, innovative food production of the future.**



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Thank you!



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