

PARTICIPATING INSTITUTIONS AND PROJECT LEADERS IN BADEN-WÜRTTEMBERG

Centre for European Economic Research (ZEW), Mannheim

Forest Research Institute Baden-Württemberg (FVA), Freiburg

Fraunhofer Institut for Chemical Technology (ICT), Pfinztal

German Technical and Scientific Association for Gas and
Water - Water Technology Center (DVGW-TZW), Karlsruhe

Karlsruhe Institute of Technology (KIT)

University of Freiburg

University of Heidelberg

University of Hohenheim

University of Stuttgart

University of Ulm



APPLICATION & ADMISSION

Applications must be submitted through the BBW
ForWerts online application system:
<http://bbwforwerts.cos.uni-heidelberg.de>

The minimum requirement for admission into the BBW
ForWerts Graduate School is an MSc degree. If you have
obtained a comparable degree or have extensive research or
work experience in a field relevant to the projects offered by
the graduate school, please contact the BBW ForWerts office
about your eligibility for the program. Fluency in English is
mandatory.

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Baden-Württemberg

BIOECONOMY
GRADUATE
PROGRAM
BBW FORWERTS

**BIOECONOMY
BADEN-WÜRTTEMBERG:
EXPLORING INNOVATIVE
VALUE-ADDED CHAINS**



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

BIOECONOMY

Bioeconomy is defined as the knowledge-based production and utilization of biological resources to provide products, processes and services in all economic sectors for a sustainable, future-oriented economic system.

With its many possibilities, bioeconomy can play an important role in solving global problems. These include issues such as the health and alimentation of an ever-growing world population with energy, clean water and raw materials. The protection of soil, the climate and the environment is also an important subtopic within the field of bioeconomy.

To foster this emerging new field, it is crucial to educate a new generation of researchers who will provide important scientific insights.

BBW ForWerts

The Ministry for Science, Research and Arts of the German federal state of Baden-Württemberg (BW-MWK) has provided funding for a bioeconomy graduate school to support the development of this interdisciplinary research field. The resulting BBW ForWerts graduate program was founded in July, 2014 and is aiming to educate excellent young academics who will take on the task of connecting the natural sciences to the current economic demands and solving of global problems.

During the three-year program, BBW ForWerts PhD students will have the opportunity to participate in summer schools, workshops, method courses and excursions in order to gain not only in-depth insight into their own research fields, but also an overview of the other focus areas in the graduate program. This interdisciplinary approach will enable the students to gain extensive knowledge of a variety of bioeconomic issues. Networking with fellow students, industrial partners and research institutions is also a crucial part of the BBW ForWerts graduate program.

For further information, please visit our website at <http://bbwforwerts.cos.uni-heidelberg.de>

Thematically, BBW ForWerts currently covers three focus areas, which are then divided up into action areas:

LIGNOCELLULOSE

“Development of an alternative commodity platform for new materials and products”

- Biomass production and allocation
- Decomposition, modification and conditioning
- Conversion and utilization pathways
- New products and product development
- System analysis and process simulation
- Social frameworks

BIOGAS

„Sustainable and flexible value added chains in Baden-Württemberg”

- Substrate preparation
- Conversion
- Utilization of conversion products
- Economic, ecologic, ethical and social implication of biogas production and processing

MICRO ALGAE

“Integrated use for food and animal feed industries”

- Micro algae as source of raw materials

Within these three focus areas, PhD students are divided up into research projects taking place at institutions distributed across Baden-Württemberg.