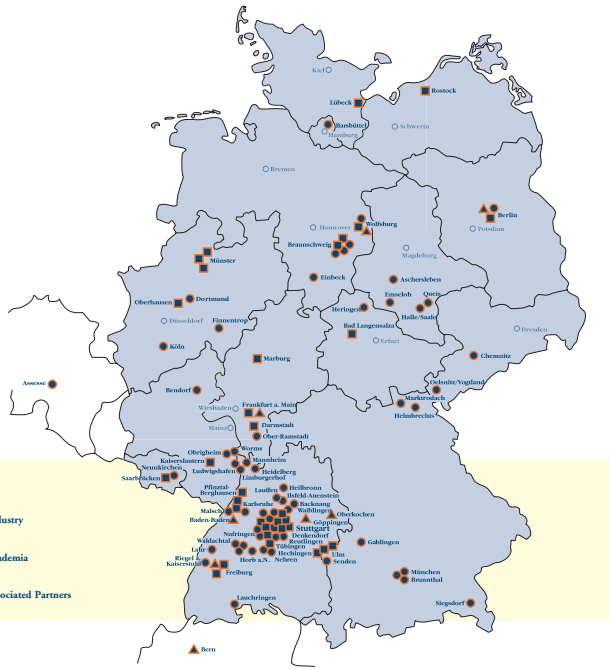


Biopolymers Biomaterials

THE CLUSTER



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Industry



Academia



Finance



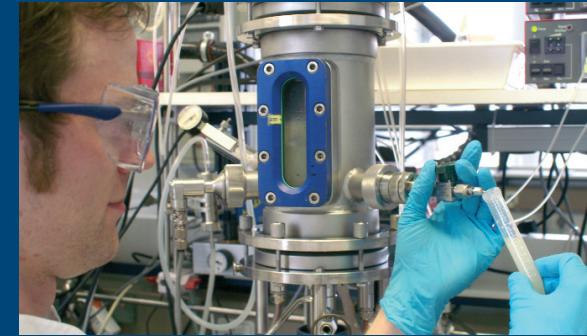
Associated Partners



Cluster Initiator



Funding Bodies



Biopolymers Biomaterials

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We are shaping the future

Innovation – anticipating needs through interdisciplinary cooperation: The independence of the plastics sector from fossil fuels and sustainability through CO₂ neutrality are the visions that combine our partners. It is the goal of the Biopolymers/Biomaterials Cluster to develop innovative bio-based plastics using biotechnological methods and bio-processing technology. It is expected that interactions with downstream process steps along the value creation chain will lead to the optimisation of the polymer properties. Competitive, technically sophisticated products are at the end of this chain.

Bio-based plastics for technical applications

There is an increasing demand for technical polymers with very specific properties. Polyamides have outstanding polymer properties. A good example of the work being done by the Cluster is the “Bio-based polyamides through fermentation” project. This focuses on the fermentative production of 1,5-diaminopentane as a monomeric component for bio-based polyamides. Five partners along the value creation chain have joined forces, and, led by BASF SE, intend to manufacture these innovative polyamides at competitive prices and develop them further into marketable commodities. In addition, other Cluster projects focus on the investigation of a broad range of other materials.

Cluster management

We offer our members:

- Project initiation
- Funding advice
- Provision of information
- Electronic communication platform
- Provision of contacts
- Technology transfer
- Additional services

Interested?

We look forward to talking to you.

