



CLIB2021

Foundation

- 2007

Employees

- 8

Branches

- Bioeconomy value chains in international chemical and energy markets

Network

- 100 members from industry, academia, investors and infrastructure, 35% international share

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CLIB

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C L U S T E R
I N D U S T R I E L L E
B I O T E C H N O L O G I E

CLIB2021 is an "Open Innovation Cluster" for bioeconomy with focus on industrial biotechnology. Our 100 cluster members recruit from academia, finance, industry, and SME, with an international share of about 35%. The CLIB Graduate Cluster ensures qualification of young scientists in key areas of industrial biotechnology. The same scientific areas are also addressed by our Technology Cluster.

We help our members and partners to network along bioeconomy value chains in the chemical and energy markets. Identification of unusual value chains within the bioeconomy is a major task of our cluster. We reveal joint interests of stakeholders, moderate a targeted partnering, and create implementation plans including funding scenarios. However, the partners themselves are in charge of implementation and commercialization. Within the European Union as well as in its international networks our cluster serves as initiator, coordinator, and multiplier to push the bioeconomy.

Bioeconomy

CLIB mainly focuses on industrial biotechnology for chemical industry and energy markets: raw materials, biocatalysts, processes, products and technologies that result in monomers, fine chemicals or in their functionalization.

We employ a broad definition of industrial biotechnology, which also includes the biotechnological production of pharmaceutical building blocks or biologics. In recent years, the bioeconomy has been starting to increasingly address bulk chemicals and biofuels, topics which we have been taken up at CLIB as well. Pertinent project areas are identified by the CLIB team in conjunction with members in an iterative process.

CLIB-Graduate Cluster

The CLIB-GC is one of the largest structured doctoral programs in Europe and offers unique interdisciplinary training at the interface between academic and industrial research in biotechnology with a total funding of 12 million Euros and over 120 doctoral students. Towards the end of the initial funding period from 2009–2012, the CLIB-GC underwent an external, international evaluation which gave very positive feedback. Funding by the Ministry of Innovation, Science and Research of the German State of North Rhine-Westphalia and the three universities has now been extended for further three years. In the second funding period the focus will be on the role of biotechnology as a central and pioneering research area in the bioeconomy.

