NOVA-INSTITUTE FOR ECOLOGY AND INNOVATION GMBH

Foundation
- 1994

Turnover
- 1.8 million €

Employees
- 20

Customers
- Industry: Automotive, Chemicals, Construction, Plastics, Engineering
- Consulting
- Associations
- Ministries
- Research institutes

Key topics
- Feedstock supply
- Techno-economic evaluation
- Market research
- Dissemination
- Project management
- Policy for a sustainable Bio-based economy
- Ecological assessments (Meta-LCA)

Key services
- Industrial & political consultancy
- Research & development projects
- Conferences & dissemination

More information
- You may find all information on international congresses along with information services of the nova-Institute on: **www.bio-based.eu**

Institute
The nova-Institute was founded as a private and independent institute in 1994. It is located in the Chemiepark Knapsack in Hürth, which lies at the heart of the chemical industry around Cologne (Germany).

For over 17 years now, the nova-Institute has been globally active in feedstock supply, techno-economic evaluation, market research, dissemination, project management and policy for a sustainable bio-based economy.

Services
The nova-Institute uses and creates expert knowledge along with innovative solutions to develop and advance the Sustainable use of biomass in bio-based Chemistry, Industrial Biotechnology and bio-based Products. In research & development, nova has comprehensive contacts within the wide industrial and scientific network. The communication services include conferences, the news portal for bio-based Economy incl. a newsletter and the business directory iBIB (more information: www.bio-based.eu).

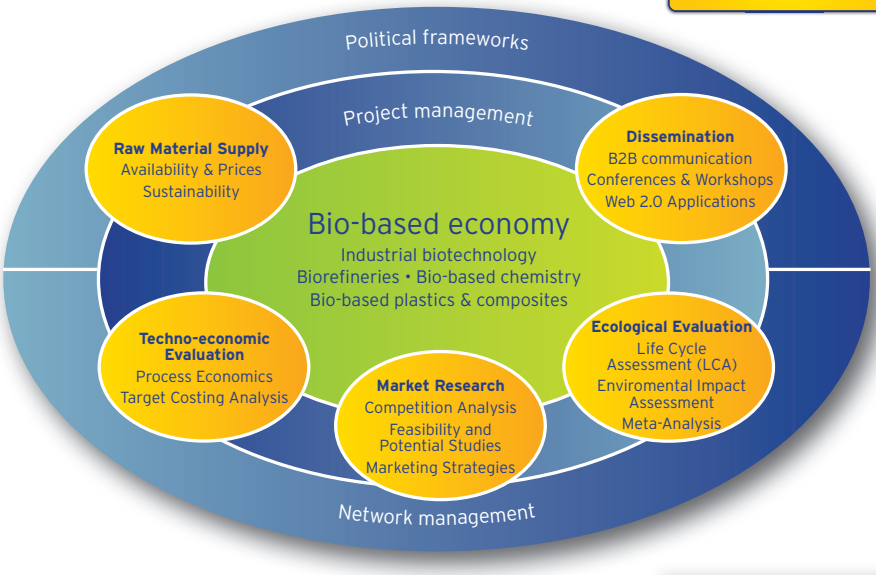
Key questions regarding nova activities
What are the most promising concepts and applications for Industrial Biotechnology, Biorefineries and bio-based Products? Which political and economic framework is needed for a sustainable growth of the bio-based Economy? What are the challenges for a post petroleum age - the Third Industrial Revolution?

Fields of activity
With a scientific staff of more than ten experts, nova-Institute has a turnover of approx. 1.8 Mio. €/year which is equally distributed on three sectors: Industrial & political consultancy, research & development projects and conferences & dissemination.

Selected customers

Automotive industry: brose, BMW, Daimler, Faurecia, Ford, Johnsons Controls, Quadrant

Chemistry, plastics and biomaterials: BASF, FKuR, Honeywell, InfraServ, KOSCHE, LEIFHEIT, Proganic, PURAC, Teijin



Engineering: Coperion, Reifenhäuser, FERROSTAAL

Consulting: AFC Consulting (DE), BLEZAT CONSULTING (FR), Clever Consult (BE), Ernst & Young (FR/DE), meó Consulting (DE), Pestalozzi-Consulting (CH), The Textile Consultancy (UK)

Associations: AVK, CLIB2021, european bioplastics, EIHA, VHI

Ministries & Institutions: BMELV (DE), DBU (DE), DEFRA (UK), DECC (UK), European Commission, FNR (DE), FAO, GTZ/GIZ (DE), KfW (DE), NIA (TH), UBA (DE)

Research Institutes: Fraunhofer UMSICHT (DE), HS Bremen (DE), IFEU (DE), INRA (FR), INNVENTIA (SE), London Imperial College (UK), Öko-Institut (DE), RAPRA (UK), VTT (FI), Wageningen UR (NL)

Associations and bodies

The nova-Institute is a member of various international associations and committees. We are founding member of the cluster Industrial Biotechnology CLIB 2021 (Düsseldorf), member of the Steering Committee of the Federation of Reinforced Plastics (AVK), the subgroup „Natural Fibres Reinforced Plastics" (Frankfurt a. Main) and the executive office of the European Industrial Hemp Association (EIHA). In addition to this, we are member of various national and EU-wide working groups on industrial biotechnology and biomaterials.

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