

**IfBB – Institute for Bioplastics
and Biocomposites**

Hochschule Hannover – University of
Applied Sciences and Arts
Heisterbergallee 12
D-30453 Hannover

Senior Project Co-Ordinator:
Prof. Dr.-Ing. Hans-Josef Endres

Project management: Marco Neudecker
E-Mail: marco.neudecker@hs-hannover.de
Fon: +49 511 9296-2232

Technology transfer und public relations:
Nuse Lack-Ersöz
E-Mail: nuse.lack@hs-hannover.de
Fon: +49 511 9296-2278

www.ifbb-hannover.de



German Plastics Center

SKZ – German Plastic Center

Friedrich-Bergius-Ring 22
D-97076 Würzburg

Project management:
Dr. Benjamin Baudrit
E-Mail: b.baudrit@skz.de
Fon: +49 931 4104-180

www.skz.de

**IAP – Fraunhofer Institute
for Applied Polymer Research**

Geiselbergstraße 69
D-14476 Potsdam-Golm

Project management: Dr. André Lehmann
E-Mail: andre.lehmann@iap.fraunhofer.de
Fon: +49 331 568-1510

www.iap.fraunhofer.de



TECHNISCHE UNIVERSITÄT
CHEMNITZ

**SLK Department of
Lightweight Structures and
Polymer Technology**

Technische Universität Chemnitz –
Technical University Chemnitz
Department of Mechanical Engineering
D-09107 Chemnitz

Project management:
Dr. Roman Rinberg
E-Mail: roman.rinberg@mb.tu-chemnitz.de
Fon: +49 371 531-32359

www.leichtbau.tu-chemnitz.de

Design of database in the second project
phase:



**M-Base Engineering
+ Software GmbH**

Dennewartstr. 25-27
D-52068 Aachen

Contact: Dr. Erwin Baur
E-Mail: info@m-base.de
Fon: +49 241 963-1450

www.m-base.de



Processing of Bioplastics



– the practice-oriented joint project
for processors

With support from



by decision of the
German Bundestag



Basically, bio-based plastics offer an alternative to conventional ones. Furthermore, consumers are becoming more environmentally-conscious in their consumer behavior, which means that sustainable bio-based materials are being increasingly implemented in place of conventional plastics.

In order for this to succeed, the plastics industry must provide information, which enables the uncomplicated application and trouble-free processing of these bio-based plastics.

This is where the project for the processing of bioplastics, funded by the Ministry of Food and Agriculture with project management by the FNR, Fachagentur Nachwachsende Rohstoffe e. V., comes in.

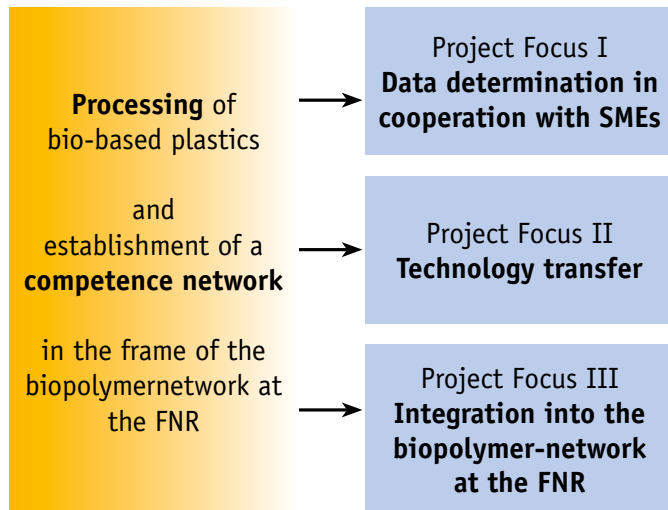
The project is designed to close significant information gaps regarding the processing behaviour of innovative as well as standard bioplastics.

Therefore, in the first project phase, the most important information gaps concerning the processing of bioplastics were identified, gathered and closed.

To enable you to get access to the results, which are relevant to you, the four partners, IAP, IfBB, SLK and SKZ have developed this database: www.biokunststoffe-verarbeitung.de.

Besides, the project partners are available to assist you as a German small and medium size enterprise competently according to your needs.

Funding goals



Project title: Processing of bio-based plastics and implementation of a competence network in the frame of the biopolymer network at the FNR

Duration: 01.02.2013 – 31.01.2018

Topics concerned may include, for example

- Material development
- Simulation
- Extrusion
- Injection moulding and blowing
- Extrusion blowing molds
- Foaming
- Radiation crosslinking
- Bottle blowing
- Deep-drawing
- Fiber spinning
- Plastics impact extrusion
- Joining or mechanical processing

If you need information in any of these topics, or related ones, please do not hesitate to contact the consulting partner. See backside for contact information.

Further data and information can be found here:

www.verarbeitungsprojekt.ifbb-hannover.de

Now, after the project was extended, the project group got a new partner to intensify the work in the dissemination of the database. Together with M-Base Engineering + Software, the missing data should be continuously determined and graphically represented as they are de facto very helpful for the processing industries.