



INFORMAÇÕES REDUZIDAS SOBRE EDITAL

GOVERNO ALEMÃO – MINISTÉRIO DE EDUCAÇÃO E PESQUISA

Period for calling:

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Information may be submitted to the Internet–Portal pt(outline* by 15.02.2013.

Description:

The implementation of the "National Research Strategy BioEconomy 2030" by the Federal Ministry of Education and Research (BMBF) intends to promote in an international context by funding collaborative research and development projects involving foreign partners.

The realization of the bio–economy as a bio–based economic system calls for national and European initiatives and it also requires world–wide cooperation in order to achieve the aims set out in this National Research Strategy.

The aim is to fund model research and development projects involving international partners and dealing with relevant issues in the field of the bio–economy. Important factors include not only technological questions and development goals but also socio–economic aspects and systems approaches.

P.S.: Biobased economy, bioeconomy or biotechnomy refers to all economic activity derived from scientific and research activity focused on biotechnology – in other words, on understanding mechanisms and processes at the genetic and molecular levels and its application to industrial process.

The biobased economy uses first–generation biomass (crops), second–generation biomass (crop refuge), and third–generation biomass (seaweed, algae). Several methods of processing are then used to gather the most out of the biomass. This includes techniques such as:

- *Anaerobic digestion*
- *Pyrolysis*
- *Torrefaction*
- *Fermentation*
- *Biorefinery*

Anaerobic digestion is generally used to produce ethanol, pyrolysis is used to produce pyrolysis–oil (which is solidified biogas), and torrefaction is used to create "biomass–coal". Biomass–coal and biogas is then burnt for energy production, ethanol can be used as a (vehicle)–fuel, as well as for other purposes (use in skin–care products



Objectives:

One of the following fields of action of the National Research Strategy:

1. Securing global nutrition.
2. Shaping agricultural production sustainably.
3. Producing safe and healthy food products.
4. Using renewable resources on an industrial scale.
5. Developing energy sources based on biomass.

And contribute to achieving **one of the four goals** for the **Internationalization of Science and Research**:

1. Strengthening research cooperation with the world's best,
2. Opening up international innovation potential,
3. Intensifying cooperation with developing countries in education, research and development on a long-term basis,
4. Accepting international responsibility and meeting global challenges.

Eligibility

Applications may be submitted by:

- Universities,
- Non-University Research Institutions,
- Land And Federal Government Institutions Involved In Research Works
- Commercial Companies Based In Germany
- [Small And Medium-Sized Enterprises \(Smes\)](#)

Funding: 1,5 Million Euros (Total Amount for German Institutions)

- Funds will be awarded in the form of non-repayable project grants.
- Funding will be provided to the German project participants. The international partners must have their own project funds or source separate funding.
- Grants for commercial companies are calculated on the basis of the project-related costs eligible for funding, up to 50% of which can as a rule be covered by government grants, depending on the project's relevance to application.
- The BMBF's policy requires an appropriate **own contribution** towards the eligible costs incurred – **as a rule of at least 50%**. The GBER may allow higher rates of funding for SMEs.
- The basis for calculating the grants for universities, research establishments and similar institutions is the eligible project-related expenditure (in the case of the Helmholtz centres and the **Fraunhofer Gesellschaft (FhG)** eligible project-related costs), which can receive up to 100% coverage in individual cases.



- As a rule, a measure that is granted funding may run for a **maximum of 3 years** (see 3).

Structure

- Project description;
- Scientific objectives with detailed reference to relevant BMBF programmes;
- Nature and extent of the planned project cooperation;
- Proposed commercial utilization of future project results;
- Distribution of work;
- Time schedule;
- Main areas of experience relevant to the project;
- Most important publications/patents relevant to the project.