



Ethiopia

DBFZ Research and Project Country Profile Activities & Partners



DBFZ Activities

DBFZ has established cooperation contacts with Ethiopian partners – driving in the slipstream of the twin-city activities of Leipzig and Addis Abeba. In 2020, DBFZ won a project in the field of waste treatment, focusing on the development of concepts for the handling of the organic fraction of household waste in the city of Addis Abeba.

DBFZ R&D and Project Focus

DBFZ focuses in Ethiopia on knowledge transfer, in particular on the organic fraction of household waste, on biogas and pyrolysis technologies, consultancy on framework conditions for bioenergy, and the energetic and integrated material use of biomass residues.

- Consultancy on organic waste treatment in urban areas;
- Assessment of (unused) agricultural residues on a national, provincial and local level;
- Technical consultancy for biogas production in rural areas;
- Technical consultancy for the distribution of pyrolysis cook stoves in rural areas;
- Concepts and feasibility studies for soil improvement;
- Sustainable integration of bioenergy in already existing infrastructures;
- Knowledge transfer and educational training

DBFZ Future Activities

DBFZ will strengthen its scientific cooperation with Ethiopian universities as well as other research partners. Another pillar for future activities in South Africa is the realization of research and consultancy projects. In particular, DBFZ aims to do:

- Potential analysis on biogenic residues and organic household waste
- Feasibility studies and technical support, in particular for organic waste treatment
- Mass flow analysis
- Consultancy on soil improvement
- Scientific support, in particular for biogas and pyrolysis
- Knowledge transfer and vocational training
- Research and academic exchange

DBFZ Partners

DBFZ has established partnerships with the following Ethiopian partners:

Cooperation Agreements	
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Ethiopia

DBFZ Research and Project Country Profile Project References



Project Partners	CIFA Onlus
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DBFZ Reference Projects (selected)

10/2020-09/2022	<p>Guideline of urban and rural organic waste in the African countries using the example of Ethiopia</p> <p>The project objective is the development of a legal-technical-economic guideline as a basis for future strategies for politics, administration, research and economy in Ethiopia and neighbouring regions for the sustainable management of organic waste fractions in urban and rural areas, which constitute about 70% of the total waste and cause most environmental problems. The results will be communicated to the stakeholders via the local partners and in cooperation with German institutions in Ethiopia and will be supported in planning the implementation measures. It is also planned to disseminate the knowledge to other countries with similar problems.</p>
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About DBFZ

DBFZ is the leading German research institute in the field of energetic and related material use of biomass. DBFZ monitors and evaluates the most promising applications for bioenergy in theory and practice, realizing research and collaborative research projects at both national and international level, with partners and stakeholders from industry, administration, politics and academia. Currently about 180 scientists in the departments of Bioenergy Systems, Biochemical Conversion, Thermo-chemical Conversion and Biorefineries carry out application-oriented R&D and provide scientifically-based results to support informed political decision making.

Coordinator for international affairs

Dr. rer. pol. Sven Schaller
 Phone: +49 (0)341 2434-551
 Fax: +49 (0)341 2434-133
 E-Mail: sven.schaller@dbfz.de

Research Coordinator

Dr. rer. nat. Elena Angelova
 Phone: +49 (0)341 2434-553
 Fax: +49 (0)341 2434-133
 E-Mail: elena.angelova@dbfz.de

Coordinator for Innovation

MSc. Karen Deprie
 Phone: +49 (0)341 2434-118
 Fax: +49 (0)341 2434-133
 E-Mail: karen.deprie@dbfz.de

General Management DBFZ

Prof. Dr. Michael Nelles
 Phone: +49 (0)341 2434-122
 Fax: +49 (0)341 2434-133
 E-Mail: michael.nelles@dbfz.de