

## The actors

We are looking for project partners for the development of a Biomass Industrial Park in Namibia.

The Bundesverband Bioenergie e.V., the Technologica GmbH and the Kuratorium für Waldarbeit und Forsttechnik e.V. will support you. We are looking for companies from the following sectors:

- Harvesting technology
- Processing plants
- Wood (heating) power plants
- Process heat/cold
- Wood-based materials
- Biomass digestion and extraction
- Biomass importers
- Investors

*Please contact us if you are interested in participating in a promising project in Namibia.*



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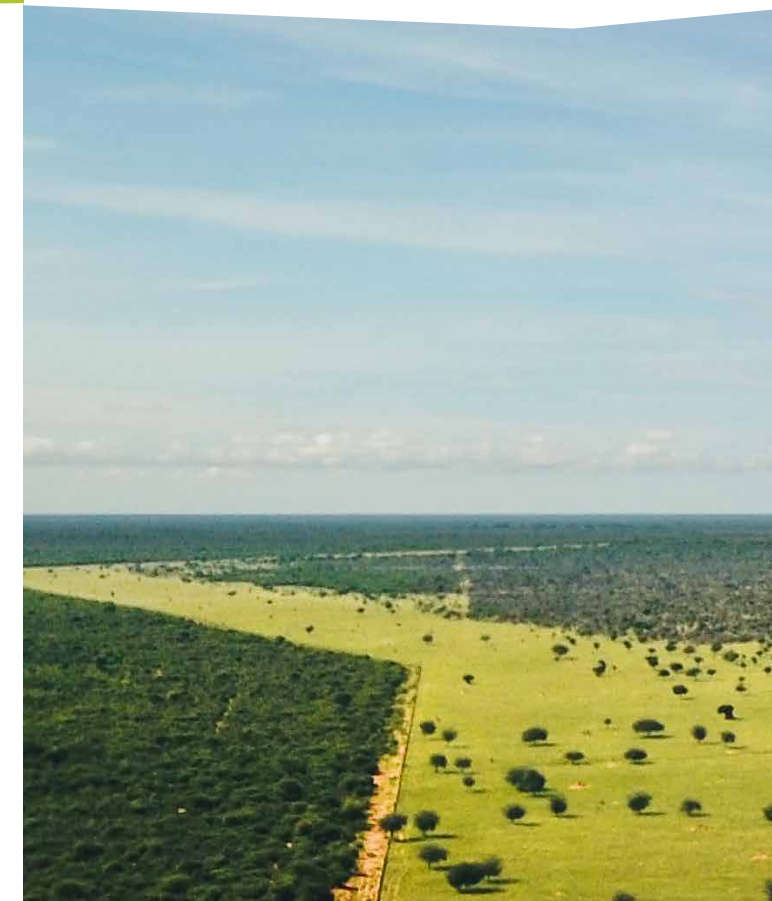
**BBE** | **BUNDESVERBAND**  
Bioenergie e.V.



Im Auftrag von

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

# NamBio



*Utilization of bush biomass  
from Namibia*

*Bio-Economy as a solution for  
degraded savannah land*

*New cooperation between German  
and European industry and partners  
from Namibia*

# Vision

The increasing bush encroachment on farmland in Namibia is a growing problem. To maintain conventional value chains of local farmers and to develop new economic models new methods and procedures are needed. For this purpose, an approach must be found to counteract the bush encroachment and to convert biomass into new products.

Together with the Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, we will support local initiatives to improve the economic prospects of farmers with new partners from Europe. A Biomass Industry Park (BIP) will be established as a pilot plant, where new innovative bio-economy products will be manufactured.



A: Manufacturing and Service Businesses

B: Residential Area

C: Energy, Water and Waste Management

D: Academy and R&D Area

# Biomass Industry Parks

The Institute for Applied Material Flow Management (IfaS) of the University of Applied Sciences Trier and GIZ have designed a BIP which is now to be put into practice. The location is Otjiwarongo in the central north of Namibia.

The Biomass Industrial Park includes the core modules - or production lines:

- Harvesting and processing of the raw material for energy and material use. These may include:
  - Wood fuels, briquettes, pellets, wood chips
  - Charcoal and its derivatives
  - Biochar
  - by-products such as chemical substances from the biomass
  - Animal feed
- Production and refinement of biomass products
- Energy generation for self-supply and/or regional supply
- Distribution and logistics of above mentioned products
- as well as applied research and development in close cooperation with local research institutions

*We are looking for you as a partner and are happy to meet for exploratory talks.*

# Market potential

Following the successful pilot project, further BIP's are planned in Namibia. In total, biomass production in excess of 10 million tons per year is anticipated, which must be treated, processed and marketed. Namibia's limited market will only absorb a fraction of this, the majority will need to be exported.

