



## BOKU Competence Center for Climate Neutrality

BOKU is the first university worldwide to develop its own climate protection projects in Africa, Asia and Latin America. These projects are financed by private individuals, universities and companies who wish to offset their CO<sub>2</sub> emissions.



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# Reforestation and Regeneration of local Forests

## Participatory climate protection in Ethiopia



### Current Situation:

Two village communities in northern Ethiopia decided to protect 30 hectares in the form of fenced areas as early as 2013 in a previous project. In these areas the fallow land can grow into coppice forest. Due to the positive experiences and the visible effects on the outgrowth, as well as the improved water retention, the village communities have agreed to extend the fencing areas by additional 60 ha. This is intended to counteract deforestation on site and ensure sustainable management of the common pasture land. Due to the vital support of numerous donators, the project is almost fully funded. However, afforestation measures as well as training and research will continue for several further years thus contributing to a sustainable development.



### Project Goals and Scientific Approach:

The aim of the project is to convert 60 hectares of fallow land into a stable coppice of unequal age in about 30 years by planting local seedlings. This is not only to store at least 11,200 tons of CO<sub>2</sub> via biomass, but also to pursue additional goals:

- Meeting local needs (wood, animal feed, income from "non-timber forest products" such as honey, seeds, resins, etc.)
- Natural rejuvenation of locally available trees
- Increasing biodiversity
- Water and soil protection

The village communities not only manage the collective forest area together, but through a participatory process they also establish common rules for the management of the new areas. Furthermore, a tree nursery program for seedlings of native species is to be established. In a next step, the locally generated knowledge is to be transferred to a "Farmer to Farmer Training" and contribute to the development of further sites for fencing areas in the region. All processes will be accompanied by BOKU and the stored carbon amount will be monitored.

### The Project at a Glance

#### LOCATION

Ethiopia, Region North Gondar  
(GPS: 12° 32' 0" N, 37° 31' 0" E)

#### PROJECTTYPE

Afforestation and forest protection

#### EMISSION REDUCTION

11,200 t CO<sub>2</sub>-eq in 30 years

#### SITUATION WITHOUT PROJECT

Deforestation and overgrazing

#### GOALS:

Transfer of additional 60 ha of fallow land to unevenly aged, stable coppice and participatory management of pasture and forest areas

#### PROJECT DURATION

Start in 2018, implementation for more than 30 years

#### PROJECT COST

218,000 €

#### COST

19.5 € / t CO<sub>2</sub>

#### PROJECT SUPPORTER

Private individuals, companies and institutions



#### MORE INFORMATION:

<https://klimaneutralität.boku.ac.at>

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