



ECOSYSTEM-BASED ADAPTATION ON THE NORTHERN CENTRAL COAST OF VIETNAM: RESTORATION AND CO- MANAGEMENT OF DEGRADED DUNES AND MANGROVES

As of: May 2021

The northern central coastal region of Vietnam is strongly affected by the impacts of climate change. Dense dune forests and mangroves used to protect the population on the coast from extreme weather events such as typhoons, which are becoming increasingly frequent. However, excessive deforestation has destroyed the ecosystems to a great extent, with the result that they can no longer perform this function. Together with selected local communities, the project is restoring the dune and mangrove forests on pilot sites. This demonstrates the feasibility of ecosystem-based adaptation measures (EbA), which not only protect the population but also bolster livelihoods through sustainable business models that use the restored mangroves. The insights and approaches gained through the project are intended to serve both as a reference and to support political and non-state stakeholders involved in the implementation and expansion of EbA measures.

State of implementation/results

- In 2018, contracts were signed with four nurseries for seedling production. There are 580,000 seedlings of 14 native tree species in production
- approximately 500ha of potential pilot areas in coastal sand dune ecosystems have been identified
- At the turn of 2019/2020, up to 300ha of degraded areas were planted in the three project provinces in North Central Vietnam
- 320ha of pilot plantations have been successfully implemented with local communities in 2019. The Institute of Resources and Environment of Huế University (IREN), the University of Hue and the local communities have started monitoring the plantations. The survival rate is excellent and is about 90%
- In 2020, another 130 ha will be planted in the

PROJECT DATA

Country/Countries:

Vietnam

Implementing organisation:

UNIQUE forestry and land use GmbH

Political partner(s):

- Ministry of Agriculture and Rural Development (MARD) - Viet Nam
- Quang Tri Department of Agriculture and Rural Development (DARD) - Viet Nam

Implementing partner(s):

- Institute of Resources and Environment of Huế University (IREN) - Viet Nam

BMU grant:

€ 1,879,538.95

Duration:

04/2018 till 03/2022





three pilot provinces (Thua Thien Hue, Quang Tri and Quang Binh), as well as at least 20 ha of the planned 50 ha of mangroves

- The planting activities were accompanied by national television and broadcast several times (see link). Together with the television station, the production of a comprehensive television documentary of the project has begun
- As a result of the high profile of the project, many other communities and local governments in the project region are asking for additional pilot areas, planting and management training and seedlings (as the production is complicated for the native species and unique in Vietnam)
- The cooperation with the Technical University of Cologne (2 MSc theses on monitoring and biodiversity) will be expanded.

