



SUSTAINABLE ENERGY AND WATER SUPPLY FOR ACCRA UNIVERSITY

As of: October 2021

The project aimed to develop and implement a sustainable energy and water supply system on the campus of Valley View University (VVU), which can serve as an example to be replicated elsewhere. The proposed measures included long-term storage of rainwater during the dry season, using renewable sources to supply the university's energy needs, selecting plants that are adapted to climate change and designing buildings based on climate-neutral principles.

State of implementation/results

- Project completed
- Planning and construction of two high-volume rainwater storage systems
- Building a groundwater treatment system with a filling station for drinking water
- Building a climate-neutral teaching and research building (environment building, Baobab Center) with a natural cooling system and solar electricity supply
- Installation of solar cells on the roof and facades of the environment building
- Planting and/or conservation of drought-resistant vegetation (approx. 4,000 new trees planted; measures to protect existing Savannah vegetation, some of which is either rare or endangered)
- Making the biogas plant at Valley View University fit for purpose
- Running various schemes to provide training on the operation, maintenance and management of the systems
- Preparations to introduce a master's programme in ecological engineering
- Development of a user manual on climate-friendly ecosystems in English and German

PROJECT DATA

Country/Countries:

Ghana

Implementing organisation:

Ingenieurökologische Vereinigung e.V. (IÖV) - Germany

Political partner(s):

- Environmental Protection Agency - Ghana

BMU grant:

€ 1,356,425

Duration:

10/2008 till 12/2010

Website(s):

http://www.ioev.de/projekt_VVU_Accra_e.html
#Gebaeude

