

# Modern practical training concepts to promote innovation and income generation in Africa

Prof. Dr. habil. Carsten Lorz  
*Hochschule Weihenstephan-Triesdorf (HSWT)*  
*University of Applied Sciences*

*22 February 2022*

# An Overview of HSWT Departments

*Applied Sciences  
for Life*



Bioengineering  
Sciences



Horticulture and Food  
Technology



Landscape  
Architecture



Sustainable Agriculture  
& Energy Systems



Forestry

**Weihenstephan**



Agriculture, Food and  
Nutrition

**Triesdorf**



Environmental  
Engineering

# HSWT: Driver for education and innovation



Focuses on practice-oriented training:  
Dual study programmes, practical semesters, high proportion of exercises, external experts,  
...



Offers future-oriented degree programs, e.g.

- Agribusiness
- Climate Change Management
- Food Technology
- Management of Renewable Energies
- Environmental Engineering
- ...



Drives innovation in a wide range of areas, e.g.:

- Food Startup Incubator Weihenstephan (FSIWS)
- Competence Centre for Digital Agriculture (KoDA)
- ...

# Training Pact with Africa (AmA)



- Funded by the **German Federal Ministry for Economic Cooperation and Development** and carried out in cooperation with **GIZ** (since 2019)
- Measures:
  - **University partnerships**
  - **Training** (exposure and training courses for professionals, lecturer exchange and training)
  - **Master** (IMA/MFM)
  - **Continuing education** (e.g. postgraduate course "Food Chains in Agriculture")
  - **Bachelor module packages**

# Technology and Transfer Pact (TAP)



- Funded by the **German Federal Ministry for Economic Cooperation and Development** and carried out in cooperation with **GIZ** (since 2020)
- TAP supports **innovation in agribusiness** in Ethiopia, Kenya, Togo and Tunisia and closes the gap between **innovation** and **implementation**; fields of action cover the **entire value chain**: e.g. innovative farming methods, adapted mechanization, improved post-harvest protection
- **Goal**: Create jobs, add value to rural areas, help small farmers increase their production and income



# TOMATO

**Harnessing of Efficient Vegetable & Fruit Production, Processing and Marketing Systems in Ethiopia through Practice Based Education and Participatory Research**



- Funded by the German Academic Exchange Service (**DAAD**, since 2021)
- Goal: **Introduction and strengthening of a practice-oriented university education** in the field of food processing through
  - Introduction of practice-oriented degree programmes/ inclusion of practical elements in existing food technology degree programmes
  - Conducting a research project on fruit and vegetable value chains
- Partner universities in Ethiopia: Arsi, Bahir Dar, Hawassa

# HAW international: Applied Sciences for Life – developing best practice international study programs



- Funded by the German Academic Exchange Service (**DAAD**, since 2022)
- **Goal:** Capacity building for the development of practice-oriented international study programs, establishing sustainable cooperations between all participating universities



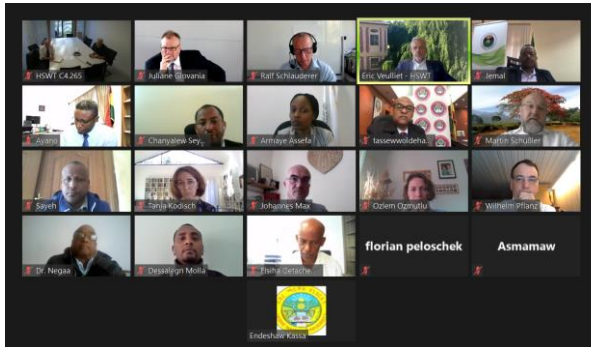
- **Activities:** Trainings, travel, joint development of best practice international study programmes
- **Partner universities:** Debre Markos (Ethiopia), South-Eastern Kenya (Kenya), Khon Kaen (Thailand), Evergreen State College (United States)

# African-Bavarian Alliance for Applied Life Sciences

## Formerly Bavarian-Ethiopian Alliance for Applied Life Sciences



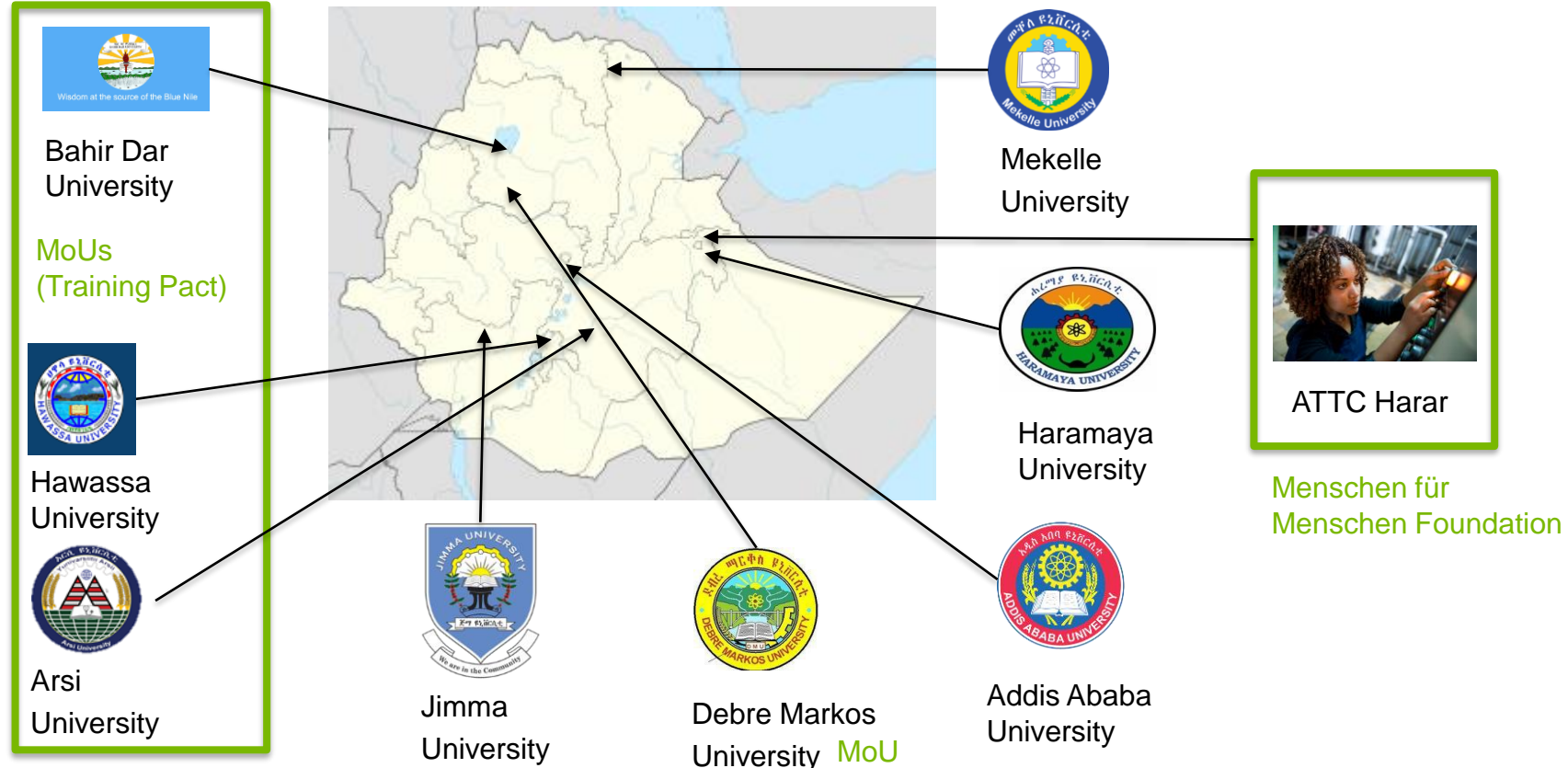
- Funded by the **Bavarian State Chancellery** (since **2022**)
- **Goal:** Establishing a **partnership network** between Bavarian and African representatives from science, industry and the public sector
- Focus on **applied teaching and practical training** in degree programs related to the **life sciences** (e.g., land use, agribusiness, food technology)
- Partner universities in Ethiopia, Senegal, South Africa (Western Cape, Gauteng), Tunisia





*Applied Sciences  
for Life*

# Bavarian-Ethiopian Alliance for Applied Life Sciences



Prof. Dr. habil. Carsten Lorz  
carsten.lorz@hswt.de

Juliane Glovania  
juliane.glovania@hswt.de

2022