Science for Impact in Africa Virtual Conference (May 15, 2023)

# INTRODUCING A LOCALLY-EMBEDDED, INTERDISCIPLINARY AGRIBUSINESS CURRICULUM

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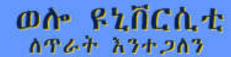
Funded by the European Union





Diaspora Professionals 4 Development



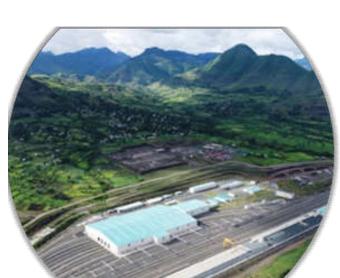




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## **AGRIBUSINESS PROGRAM**

- BSc and MSc Agribusiness Program @ WU
- High rate of Unemployment
  - Skill gap





- Potential for agribusiness development
  - Horticulture
    - Livestock
      - Pulse
  - Industrial park
    - Close to ports
      - Djibouti
      - Dry port

# Opportunity for self-employment

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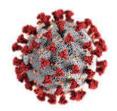
# **DIGITALIZATION 49 WU**

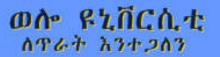
- Aligned with the university Vision and Mission
  - Smart class
  - Data center
  - App factory
  - A+ software
- To broaden access to wider target groups
  - Formal program
  - Informal means
    - in-service trainings
- To over come challenges
  - Covid-19
  - Conflict















#### DEPLOYING LMS AND NEW DIGITALIZED

**COURSES** 



#### WU - center of excellence for elearning

WU strives to deliver quality education in every discipline. Our E-learning platform is designed to deliver quality education, making learning and teaching process more enjoyable. Use our e-learning platform, anytime, anywhere using the web and mobile applications.



#### E-learning is the new

The e-learning platform at WU is designed to fulfill the needs of the students.



#### **WU Vission**

Overview

sectors, value chains. The course uses the De

they learned in a pract

modern agri-food busin business plan. The mos Kombolcha surrou

cessary informat

ential in a modern a

Technology in enable and en managing, life learners.



#### Mission

To provide electronicbased accredited courses, and associated support services, to students through non-traditional



#### Goals

Overall, our go empower your The other goa University are:

 To maximiz accessibilit To advise, coordinate developme



EUDiF-WU-1: Modern agri-food business value chain: Overview

> Big data refers to data sets that are too large or complex to deal with by traditional data-processing applicati software. Big data analytics is, therefore, often a complex process of examining big data to uncover informal uch as hidden patterns, correlations, data trends, etc., that can enable decisionlegisions. As an example, big data can provide farmers with data on rainfall patterns, water cycles, fertilize equirements, and more. This enables them to make smart decisions, such as what crops to plant for better rofitability and when to harvest. The right decisions ultimately improve farm yields. Big data can also enable ntal sustainability by giving the world the opportunity to better understand its demand for food, energy, and water. It can boister the ability for monitoring environmental change and assessing risk at region and global scales. This course introduces the foundations of big data and big data analytics and discus









Modern agri-food business value chains

Overview

students will be

Prerequisite

Introduction to programming for agribusiness and environment

Big data analytics for agricultural and environmental management

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# COURSE DELIVERY AND BUSINESS PLAN PRESENTATION



# SUSTAINABILITY OF THE PROJECT

- Project proposal development (since Dec 2022)
  - Erasmus + (2)
    - Universität Hamburg and Wageningen University (Dr. Seid M. and Dr. Ayalew K.)
    - HSTW (Weihenstephan-Triesdorf University of Applied Science)
  - IHE Delft Institute for Water Education (3)
    - 1 accepted (Dr. Seleshi) (Water and Development Partnership Programme)
- Seminars by experts
  - Project development and management
  - LMS
- Collaboration





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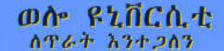




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