

ABSbio

PROJECT

ACCESS AND BENEFIT SHARING – SUSTAINABLE USE OF BIODIVERSITY SUMMMER SCHOOL



22/09/2022



Robertson Klaingar

Partners:



UNIVERSITÄT
LEIPZIG



Federal Ministry
for Economic Cooperation
and Development



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

ABS-Bio Benin: Past achievements and future challenges



Federal Ministry
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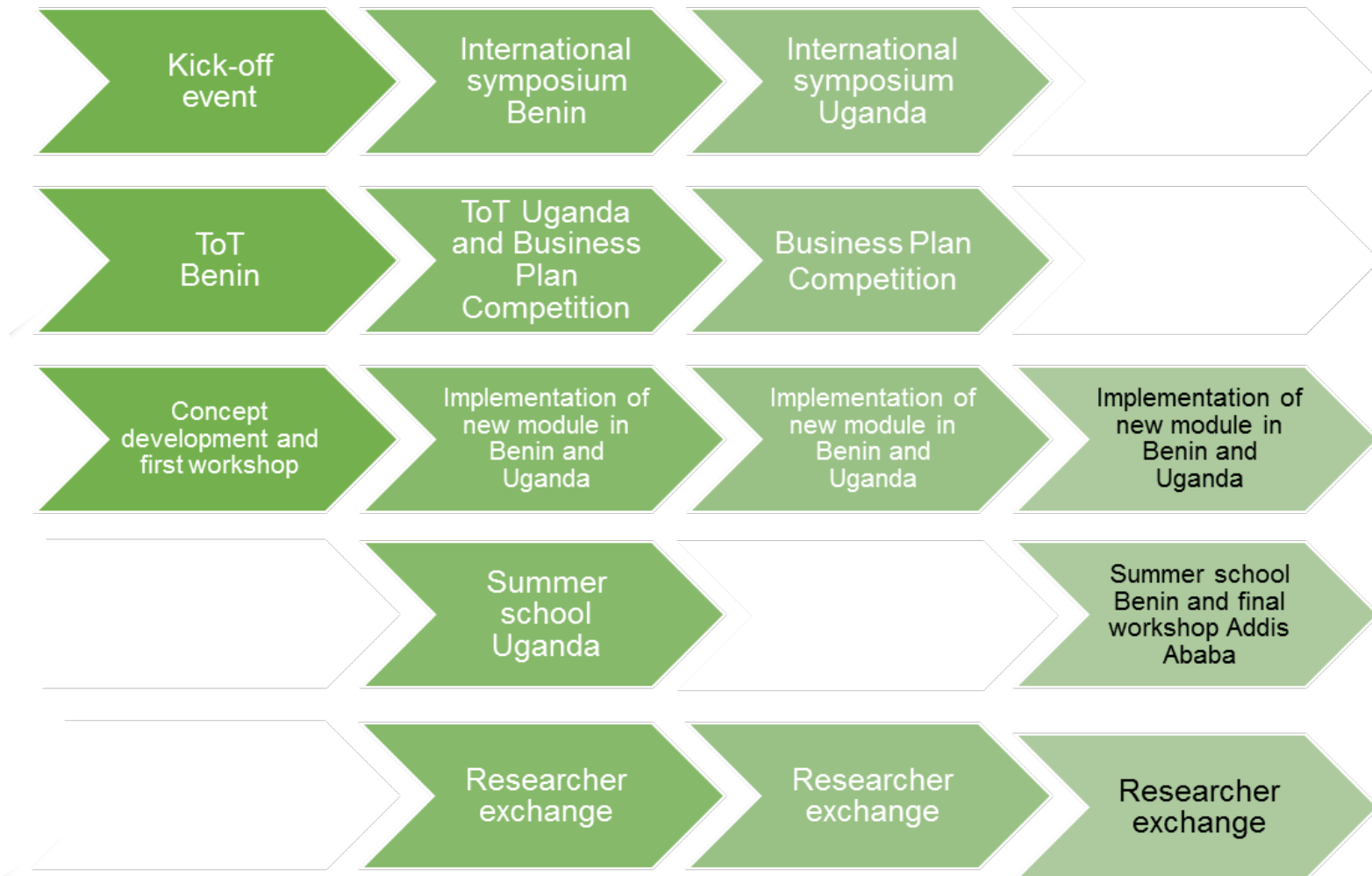


IRGIB AFRICA UNIVERSITY



The ABSbio project

- Build local capabilities that allow sustainable economic value creation
 - on the basis of natural resources and the associated traditional knowledge
- Raise awareness about the Nagoya Protocol
- Build local capacity to set up sustainable value chains based on natural resources
- Integrate the topic of biodiversity and benefit management into curricula
- Support the knowledge-exchange process



Kick-off and Training of trainers (ToT)

- Trained lecturers and PhD students at IRGIB-Africa University
 - 25-29 November, 2019

2019

Kick-off event

Done

ToT Benin

Done

Concept
development
and first
workshop

Planning

Workshop - Training of Trainers (ToT)

- Shared knowledge from first ToT with
 - Other PhD students
 - Lecturers from IRGIB Africa University

Development of a course module

- Business Plan Guide for Sustainable Bio-based Entrepreneurship

- Nagoya protocol

- Entrepreneurial concepts

- Business modeling



Inter-Regional University of
Industrial Engineering,
Biotechnologies and
Applied Sciences

Content of the “*Business Plan Guide for Sustainable Bio-based Entrepreneurship - (BPS-BE)*” module

The content was developed based on the “Taxonomy of significant learning” (see appendices) which was elaborated during the ABSBio workshop at IRGIB Africa University, November 2019.

Number of hours: 50 hours

CBD and Nagoya protocol (4 hours)

- CBD and Nagoya Protocol
 - Definitions, goals, importance
- Conservation and sustainable use of biodiversity
- Access to benefit-sharing mechanisms in relation to sustainable development goals
- Protection of the environment through waste management

Researcher exchange

- Planned for May 2020
- All was going according to track
 - Documents ready
- Travel restrictions

ABSbio cooking workshop

- December 2 and 9 2020
- Addressed themes related to biodiversity and nutrition



ABSbio idea challenge

- Deadline July 30, 2020
- 14 applications from Benin
- Follow-up with ToT participants
 - November 6 to november 13 2020

ABSbio PROJECT

ANNOUNCEMENT

ACCESS AND BENEFIT SHARING
SUSTAINABLE USE OF BIODIVERSITY

APPLY NOW!



IRGIB AFRICA UNIVERSITY
(Rep. of BENIN)



MAKERERE UNIVERSITY
(Rep. of UGANDA)



UNIVERSITÄT
LEIPZIG
(Fed. Rep. of GERMANY)



sepi
(Landeshochschule für Ernährung und Landwirtschaft)

BUSINESS IDEA COMPETITION

Are you a researcher with innovative ideas and a strong focus on sustainable use of biodiversity?
Does your idea have the potential to impact positively your community, environment and the biodiversity in your country or worldwide?
Do you have the solution to a current problem or specific challenges?
Would you like to benefit from a personal training, coaching and mentoring to promote your innovative ideas?
If so, we challenge you to convince us and become one of the first ABSbio awardees of 2020

JURY

Prof. Dr. Uta Dombberger
Director of International Small Enterprise Promotion & Training (SEPT) Program at Leipzig University

Prof. Dr. Virgile Ahyi
President of IRGIB Africa University in charge of the Research and Innovation

Prof. Dr. Zacharie Vissienon
Vice President of IRGIB Africa University
Head of International Relations and Cooperation

Prof. Ezechiel Kakudishi
Plant taxonomy & Ethnobotany College of Natural sciences, Makerere University

AWARDEES

- Gain personal coaching from international business experts
- Gain unique access to teaching material and promote your innovative ideas
- Join a prestigious network of entrepreneurs through the African German Entrepreneurship Academy (AGEA)
- Get the chance to present your business idea at the 2020 International symposium in Benin

ELIGIBILITY

Eligible to apply are students, graduates, researchers, personnels of IRGIB Africa University and partner universities with a business idea on sustainable use of biodiversity

OBJECTIVES OF THE COMPETITION

The idea competition aims to:

- Encourage and support creative thinking among students and researchers or personnels of the IRGIB Africa University and other partner universities
- Activate inherent ideas and energies amongst the students and staff of the universities
- Motivate the target group to showcase their ideas in order to be trained for further presentations
- Encourage members and alumni of the universities to participate actively in finding creative solutions to current problems and solve specific challenges

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DAAD
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11

ABSbio Symposium 2020 (Online)

- December 11, 2020
- ABSbio idea challenge
 - Top 4 ideas
- 2 winners from Benin
 - Wilfrid Bio N'goye
 - Aristode gandjeto



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International SEPT Program

Invitation to ABSbio Symposium 2020 – Sustainable Business Models

Access and Benefits Sharing – Sustainable use of Biodiversity (ABSbio)

Main Activities	
1.	Welcome and Opening Speeches
	• Prof. Dr. Ute Dombberger (Leipzig University, Germany) • Prof. Esezah Kakudai (Makerere University, Uganda) • Prof. Dr. Zacharie Vislennan (IRGIB Africa University, Benin)
2.	ABSbio Project Overview
	Presentations: German Biodiversity Companies
3.	• My GreenHub • modetymode GmbH • Algenheld
	Presentations: Top 4 Ideas - ABSbio Idea Challenge
4.	
	Discussions on Presentations and Sustainable Business Models Ideas
5.	
	Side-Attraction: TheaterTurbine (Improvisation Theater)
6.	

Date: 11.12.2020
Time: 14:00-16:00 (CET)
14:00-16:00 (WAT)
16:00-18:00 (EAT)

Event Links
[Zoom: ABSbio Symposium 2020](#)
[YouTube: Universität Leipzig / ZMK](#)

The sustainable use of natural resources is a relevant topic for sub-Saharan African as well as globally. It is on this premise that the ABSbio project is organizing an Online Symposium on December 11, 2020 to discuss issues related to the sustainable use of biodiversity through enterprise development.

The ABSbio project, began in 2019 aiming to support capacity development for the implementation of the Access and Benefits Sharing (ABS) mechanisms in accordance with the Nagoya Protocol on access to biological resources and the fair and equitable sharing of benefits arising from their utilization. The project is being implemented by the International SEPT program of Leipzig University, in partnership with the Institute for Pharmacy (Leipzig University), Makerere University (MAK), Uganda, and the Inter-Regional University of Industrial Engineering, Biotechnology and Applied Sciences (IRGIB), Benin. The project is working in Uganda and Benin to raise awareness on the role and relevance of Sustainable Business Models, build capacities in partner institutions on developing sustainable value chains, integrating biodiversity and ABS into teaching approaches of partner institutions, and promote knowledge exchange on the subject.

You are kindly invited to participate in this symposium as it provides an opportunity for interactive knowledge exchange and promote ideas for ABS and sustainable use of biodiversity in Africa and beyond.

Participation: To make the event interactive as well as reach a wider audience, the event will be hosted on [Zoom Meeting](#) and streamed live on [YouTube](#).

Language: English will be the main language of the event. French translation will be available on through Zoom. YouTube stream will be in English.

Please contact us if you have any questions or need further clarification: bavebaph@uni-leipzig.de



With financial support from:



Other project

- Medical software network prototype
- November 2020 (Cotonou) and 2021 (Center and North of Benin)
 - Data Collection
 - Assessment of the hospital electronic system
 - Aspects of the software to be developed
 - Would they use it?
- Governmental hurdles

2020

ABSbio
symposium
Benin

Online

Implementation
of new module
in Benin

Partial (ToT)

Researcher
exchange

COVID

20th International Congress of the International Society for Ethnopharmacology

004. Bio-guided fractionation and *in vitro* anti-inflammatory potential of *Entada africana* from Benin used in the management of pain related-conditions.

M. Codo-Toafode^{1,4}, V. Spiegler², C. Vissiennon^{3,6}, V. Ahyi¹, A. Hensel², K. Fester^{4,5}

P050. Anti-inflammatory activity of *Ocimum gratissimum*: from traditional health practice to a modern phytotherapeutic gel formulation.

D.H. Mahdi^{1,2}, W. Bio'Ngoye¹, Z. Vissiennon¹, V. Ahyi¹, C. Vissiennon^{2,3}

P098. Antispasmodic activity of the fungus growing termite *Macrotermes bellicosus* used in traditional medicine.

D.H. Mahdi^{1,2}, Z. Vissiennon¹, V. Ahyi¹, K. Nieber², C. Vissiennon^{3,4}

Conferences

Planta Med 2021; 87(15): 1314
DOI: 10.1055/s-0041-1736987



Abstracts

8. Poster Contributions

8.9 Recent Advances in Medicinal Plant and Natural Product Research

***In vitro* anti-inflammatory potential and chemical profiling of *Entada africana* from the Republic of Benin**

MurielleCodo Toafode , Verena Spiegler , Cica Vissiennon , Virgile Ahyi , Karin Fester

> [Author Affiliations](#)

DAAD (German Academic Exchange Service, Funding programme /- ID: 57299293).

Thesis defense

- Ethnopharmacological investigation and chemical composition of the fungus growing termite strain *Macrotermes bellicosus* (Macrotermitinae) used in traditional medicine in Benin
- June 10, 2021

2021

Business plan
competition

Online

Implementation
of new module
in Benin

Planning

Researcher
exchange

Done

Notable past and ongoing research

- 2022
 - Work being done by Wisdom Adewumi
 - Isolation and Characterisation of Antimicrobial Peptides in Termites
 - Work being done by Adesola Taiwo
 - Optimisation of *Morinda lucida* and *Phyllanthus niruri* efficacy used traditionally for the treatment of malaria: development of galenic form

BIO-BIZ course

- ATINGI platform
- August 2022 (ended)
- 24 participants
- Will continue in the future

2022

Implementation
of new module
in Benin

Done

Summer School
in Benin

Coming up

Researcher
exchange

Coming up

Businesses



Obstacles faced along the way

- COVID-19 was the main one
- Entrepreneurial project funding

Perspectives

- Continuation of ABS-Bio inspired courses
 - Students with interesting profiles
- Continued research on plant resources, especially their usage for medicinal purposes
- Find ways to engage even younger stakeholders?
 - Secondary schools?

*thank
you*