



SAWBO
Scientific Animations
Without Borders



ABOUT SCIENTIFIC ANIMATION WITHOUT BORDERS (SAWBO)

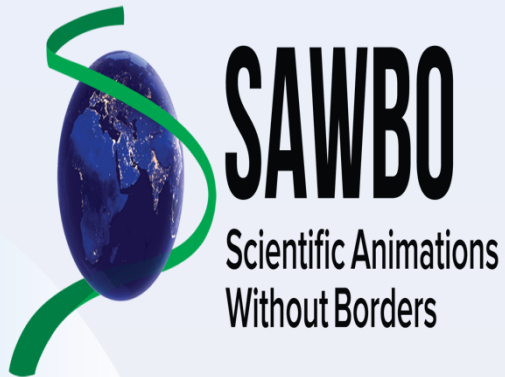
ANNE NAMATSI LUTOMIA, PHD, SENIOR RESEARCH ASSOCIATE, PURDUE UNIVERSITY (PRESENTER)

Knowledge is power.
Information is
liberating. Education is
the premise of
progress, in every
society, in every family.
– Kofi Annan



...IS A PUBLIC GOOD –
E-Extension Service

A BRIEF HISTORY OF SAWBO



SAWBO Launched in 2011
– At the University of Illinois at Urbana-Champaign – Bello-Bravo and Pittendrigh (2011-2016). SAWBO begins to respond to request for content



At Michigan State University (2016-2020); SAWBO expands library to over 150 videos and begins to develop a systems approach



Now based at Purdue University, SAWBO has developed a systems approach to extension information & communication



LEADERSHIP TEAM AT SAWBO



Dr. Julia Bello-Bravo

Assistant Professor, Purdue University
Co-Founder and **Co-Director of SAWBO**

Two decades of field experience in Africa

Led decade of USAID funded RCT experiments on the use of animations in educational interventions

Led dozens of grants, included USAID funded grants, around educational systems approaches to scaling of R4D innovations

Lead or senior author of over 40 papers on scaling of R4D innovations



Dr. John Medendorp

Deputy Director of USAID's FTF Legume Systems Research Innovations Lab (>16.5 million USD in funding)

Associate Director, Urban Center, Purdue University

Has lead or co-led more than 150 million USD in USAID funded programs

Directed USAID's largest ever agricultural capacity development program (BHEARD)

Has implemented development projects in Latin America, Africa, and Asia



Dr. Barry Robert Pittendrigh

John V. Osmun Endowed Chair Professor, Purdue University

Co-Founder and **Co-Director of SAWBO**

Director of USAID's FTF Legume Systems Research Innovations Lab

Director, Urban Center, Purdue University

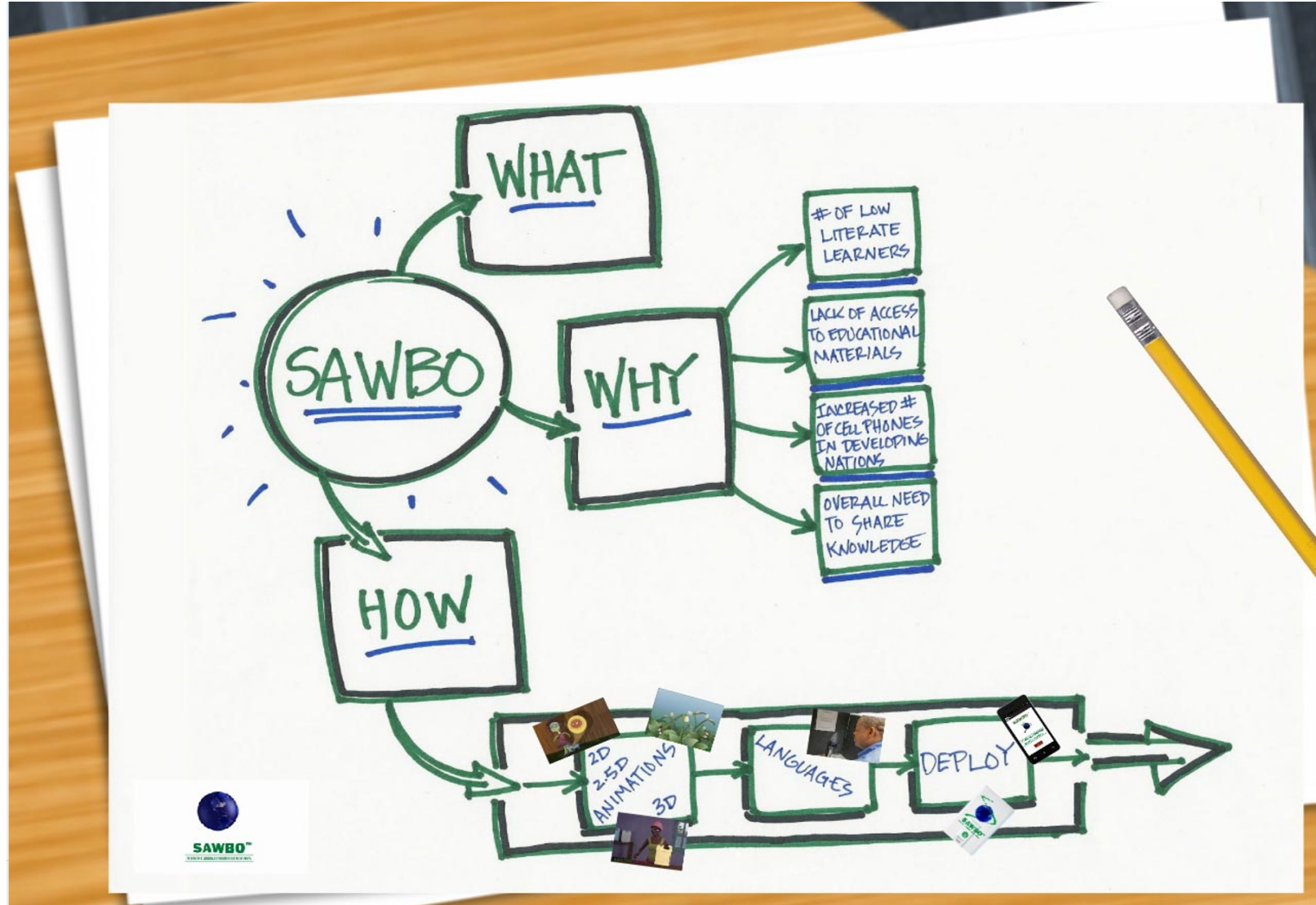
>50 million USD in career funding

>200 peer-reviewed publications and book chapters

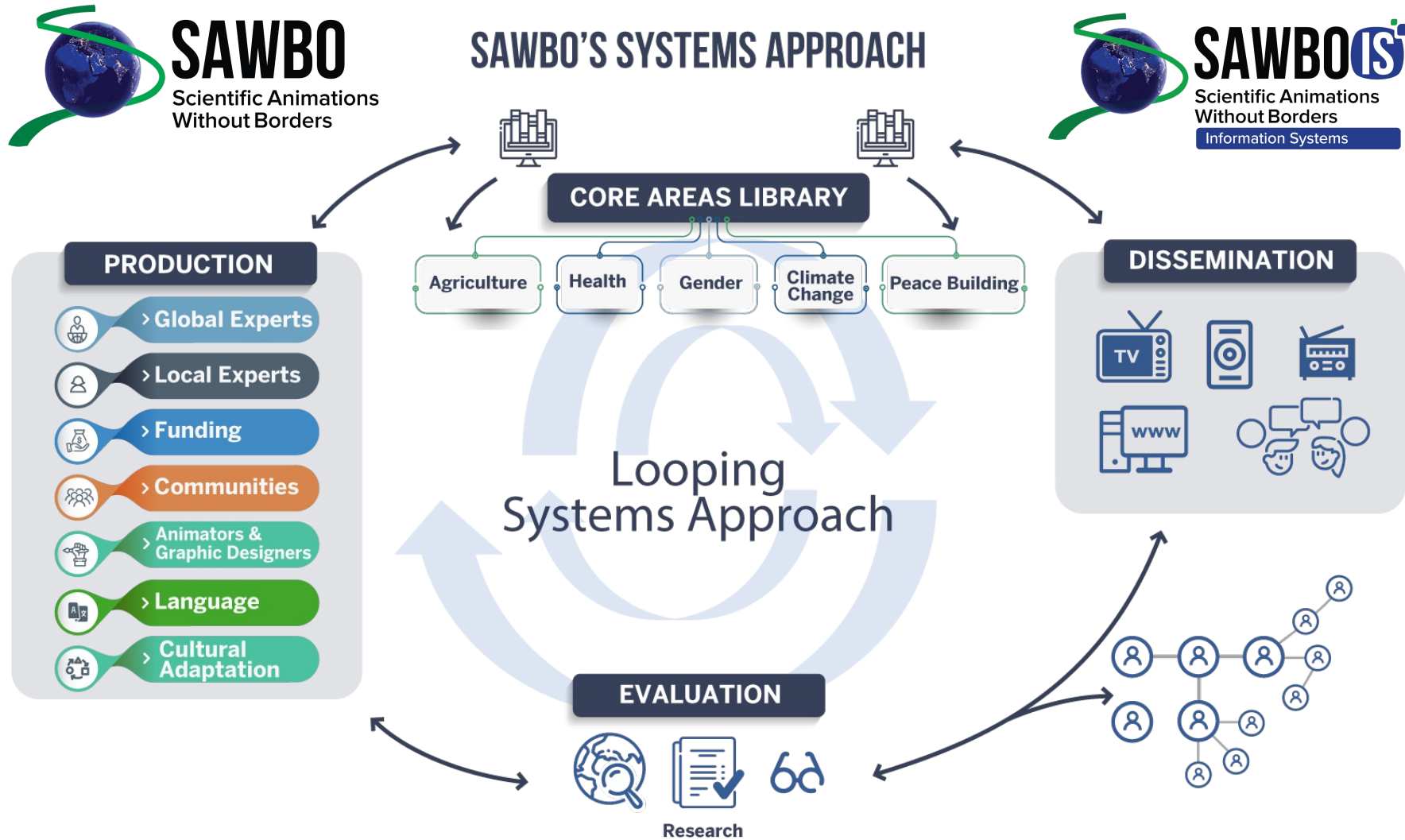
SAWBO AS E-EXTENSION

- All SAWBO materials are made with global and local experts – government researchers, Consultative Group on International Agricultural Research (CGIAR) centers, universities, extension services.
- SAWBO is part of the public sector – our goal is sharing of extension materials so everyone can benefit.
- We also make platforms that make it easy for you to access and use these materials.
- Once you access these materials, they are yours to use, copy and share (online and offline) indefinitely for **FREE!**

HOW SAWBO WORKS



Scientific Animations without Borders (SAWBO)



SCIENTIFIC ANIMATIONS WITHOUT BORDERS (SAWBO) OUTCOMES



12 years

Launched in 2011



Over 130
Countries

Six of the seven continents



Over 150 Topic
Areas

With cultural adaptations
for certain areas



Over 300
Languages

Over 300 languages &
language variants



55,000,000+
People

Over one million reached over
three days through YouTube
promotions



Pennies per Person
Impacted

Low cost per person and highly
scalable impact



Global Collaboration -
Local Impact

Global & local experts engaged in
co-creation processes

SAWBO IN AFRICA



© www.freeworldmaps.net

West Africa

Burkina Faso
Benin
Ghana
Nigeria
Niger
Sierra Leone
Liberia
Mali

East Africa

Kenya
Uganda
Tanzania
Rwanda
Burundi
Ethiopia
Madagascar

Central Africa

Democratic
Republic of Congo

Southern Africa

Malawi
Mozambique
Zimbabwe
Zambia
Lesotho

WORKING WITH YOUTH AT THE COAST OF KENYA - DIANI





WORKING IN KIGALI - RWANDA



7/5/24

TRAINING WORKSHOPS



PEACEBUILDING IN MALI



Peace & Justice



Building Peace



Forgiveness

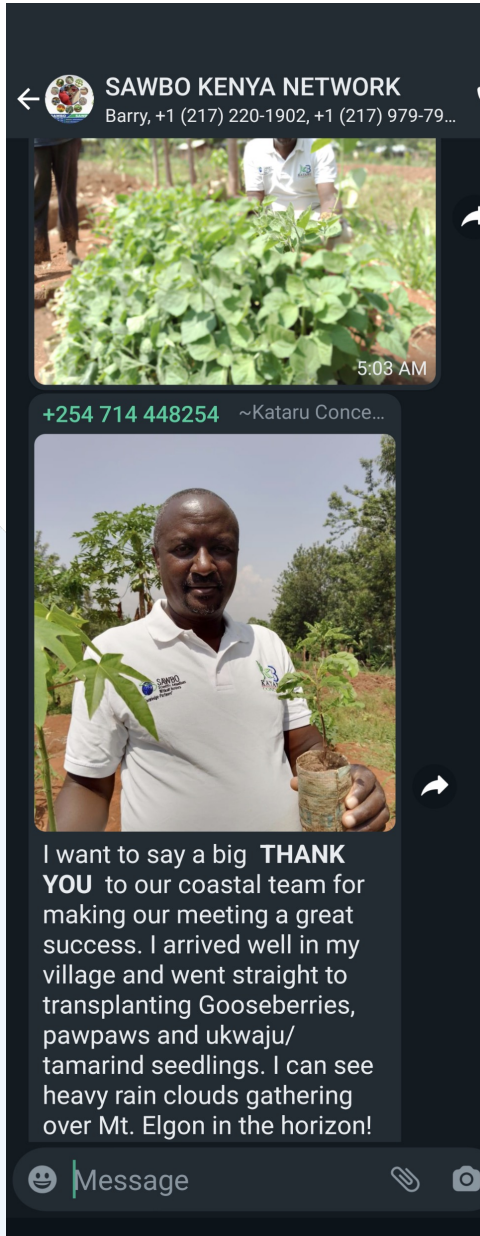











Kidnapping










DONATING BOOKS TO LIBRARIES IN MALAWI



WHATSAPP NETWORKS



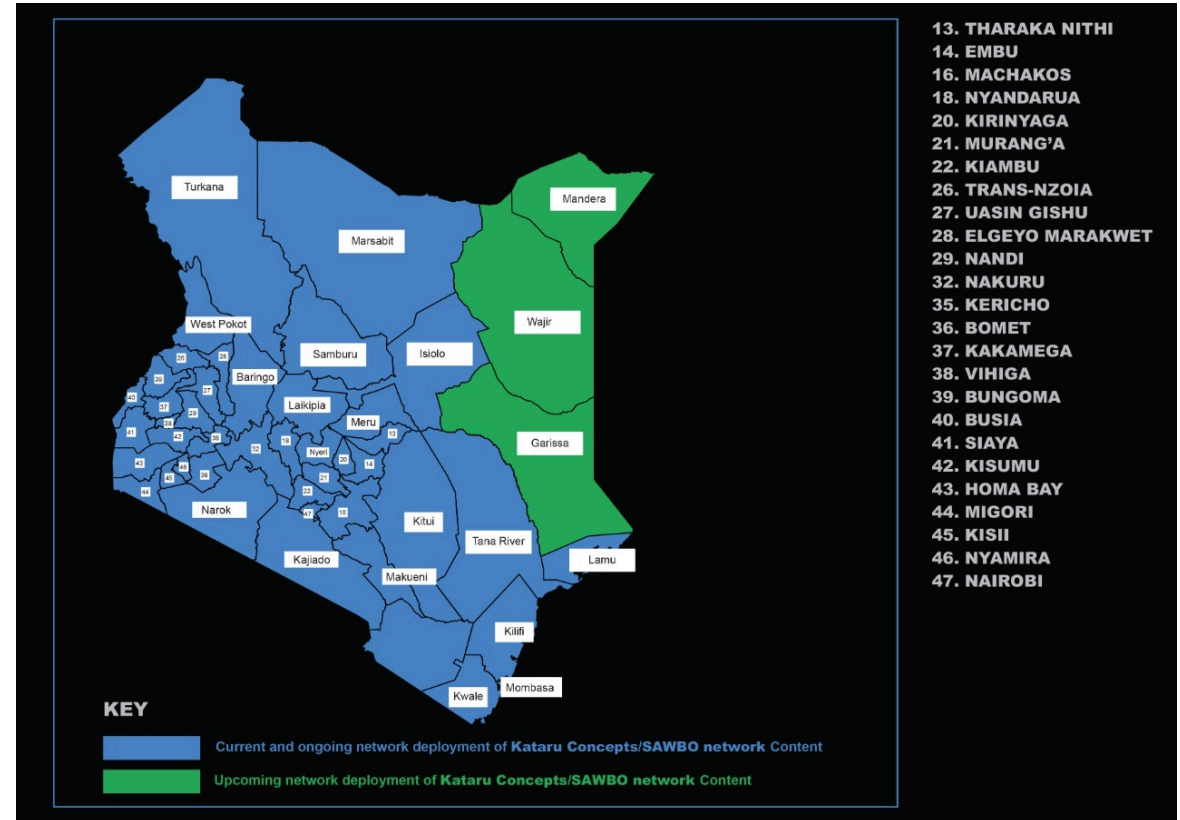
- 
SAWBO FARMERS AFRICA NETWORK 18:17
 Erick: Photo 10
- 
SAWBO KUKU FARMERS NETWORK 17:57
 ~ Olivia Obongo: Brooding pots availa... 3
- 
(English) Green Leaders Network 16:34
 ~ Sam: Hello, My name is Samuel Ajala. I... 1
- 
SAWBO NETWORK RWANDA 13:22
 Gates: Solar Treating of Cowpea Seeds in Engl...
- 
SAWBO FARMERS NETWORK ZIMB... 16:48
 +263 78 367 8233 left
- 
(Rwanda) Green Leaders Network Yesterday
 Sayari: SUPER VINE K (SWEET POTATO VI...
- 
SAWBO FARMERS NETWORK T... 18/06/2024
 Gates: Deep Tillage and Smarter Manure Use:...
- 
SAWBO FARMERS NETWORK K... 18/06/2024
 Fatma: "Model farms: Visiting other farms to I...
- 
SAWBO NETWORK LESOTHO 18/06/2024
 Fatma: "Model farms: Visiting other farms to I...

- 
SAWBO NETWORK BURUNDI 18/06/2024
 Fatma: "Model farms: Visiting other farms to I...
- 
SAWBO NETWORK MALAWI 17/06/2024
 ~ GRAFTED FRUITS TREE SEEDLINGS FOR SAL...
- 
Green Leaders Network 16/06/2024
 ~ <IT/>: The Event is beginning in 15 minutes...
- 
SAWBO NETWORK LIBERIA 16/06/2024
 +231 77 019 0063 left
- 
SAWBO NETWORK ZAMBIA 1 14/06/2024
 +260 972855579 left
- 
SAWBO NETWORK RD CONGO 06/04/2024
 Gates: <https://www.youtube.com/live/VpL05...>
- 
UGANDA SAWBO FARMERS NE... 11/03/2024
 +250 788 758 268 left
- 
SAWBO NETWORK ZIMBABWE 29/09/2023
 ✓ You: <https://sawbo-animations.org/1895...>
- 
SAWBO NETWORK NIGERIA 31/07/2023
 ✓ You: [How to decide what videos to translat...](#)

Some of the countries in which the SAWBO WhatsApp network covers.

THE CASE OF SAWBO WHATSAPP GROUP IN KENYA

Kataru Concepts/SAWBO formed
a WhatsApp group network



THE KNOWLEDGE MANAGER



- Welcomes members, adds them to the group, trains them on how to use the videos and share them.
- Ensures that discussions are focused, respectful and inclusive.
- Shares resources for learning such as videos, blogs and still photos of the video animations to enhance the learning experiences.
- Responds to questions and shares for other videos to provide supplementary information where needed.
- Shares with the group guidelines and checks on them to ensure that they fit into the group.
- Removes members who do not adhere to the group guidelines.
- Deletes some information that is shared on the platform, especially if it is political or not related to the goal of the group.

THE SAWBO NETWORKS



PRACTICES OF SAWBO WHATSAPP GROUPS



- Information seeking and sharing spaces
- Allows dialogue and discussion to solve problems
- Taking turns to share knowledge, ask questions and respond
- Nature of WhatsApp allows iterative discussion
- Respect, and 'hierarchy' observed
- Democratic space
- Building relationships

THE BENEFITS OF SAWBO WHATSAPP GROUPS



- Access to lifelong learning practices such as information, knowledge sharing, resources and collaboration.
- WhatsApp group provides a platform for informal learning skills and virtual community of practice (COP).
- Farmers can access video animations in local languages and engage in discussion with other farmers.
- Farmers gain technology literacy.
- Attaining some Sustainable Development Goals (SDGS).

SAWBO AND THE SDGs



Table2: Table indicating videos shared on WhatsApp group and related SDGs.

Video animation topic	Description of the video animation	Related Sustainable development goals
The jerrican technique	This animation explains how to avoid insect damage when storing beans and other legume after harvest for a long period using the jerrycan method.	Goal 1: Reduce poverty Goal 2: Zero hunger Goal 3: Good health and wellbeing Goal 4: Quality education Goal 5 Gender
The Purdue Improve Crops Storage Bag (PICS Bag) video	Purdue Improved Crop Storage bags provide a simple, low-cost method of reducing post-harvest legume losses due to bruchid infestations	Goal 10: Reduced inequality Goal 12: Ensure responsible consumption and production Goal 17: Partnerships for the goals
Sweet Potato Roots for Timely Planting Material: The Triple S Method on How to Prepare and Store Roots	This animation explains steps in preparing and storing root vegetables.	
How to Identify and Scout for Fall Armyworm	The Fall Armyworm is an insect that can damage your maize plants or even cause you to lose your whole maize crop. The best way to protect your maize crop is to scout early and treat early. In this animation, we will explain how to scout for the fall armyworm, so you can take action to protect your crop and yourself and family.	
The Newcastle disease video	This video points to the spread of Newcastle disease in chicken, how it spreads, the signs and symptoms in chicken, and how to keep them healthy for nutritious food	

WORKING WITH FORMER MWF



Hilary Amini Muzibao · 1st

Project Manager at Wezesha Foundation | Co-Founder and CEO at BAIC | Entrepreneur | coach in Entrepreneurship | Agricultural Investment partner | Mandela Washington Fellowship Fellow 2023

Bukavu, South Kivu, Democratic Republic of the Congo · [Contact info](#)

500+ connections



Kithinji Muriungi, Shaban Varajab, and 8 other mutual connections

Message

More



BAIC



Purdue University



Empowering DRC Farmers: Transforming Agriculture Through Animated Knowledge

<https://mailchi.mp/sawbo-animations/empowering-drc-farmers-transforming-agriculture-through-animated-knowledge>

OPPORTUNITIES TO VOLUNTEERS WITH SAWBO



- Knowledge manager
- Blogger
- Translator
- Voice Over Artist
- Video Animation Disseminator
- Collaborator
- Musician
- Prevention of Coronavirus song
<https://sawbo-animations.org/886>
- Malaria prevention song
<https://sawbo-animations.org/638>
- The Jerrican technique song
<https://sawbo-animations.org/641>

GROUP ACTIVITY



- In groups of 4-5 identify animations that can be used in your organization? See video library - <https://sawbo-animations.org/>
- Identify the languages that you would like to be included in the list?
- Would you be interested in translating and recording your voice over where your language is missing?
- Can you propose a friend to do translate and do the voice over?
- Type your responses and read some of them loudly.
- Feel free to send this information to me via alutomia@purdue.edu

THANK YOU!

QUESTIONS AND COMMENTS

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alutomia@purdue.edu

Cellphone Whatsapp - +1 217-220-1902

See SAWBO video animations: <https://sawbo-animations.org/>