Capitalizing on International Information Communication Technologies (ICTs) for Sustainable Food Systems (SFS)







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ICDA



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Society for Nutrition Education and Behavior. July 31, 2022. Atlanta, Georgia #SNEB2022: Re-engineering Nutrition Education and Behavior

Objectives

Show examples of how Information and Communication Technologies (ICTs) can be used to further the reach of Sustainable Food Systems (SFS) work within Dietetics & Nutrition.

Improve awareness, understanding, and interest in the ICDA SFS toolkit.

Learn about the ICTs used in Malawi, a very low-income setting, and how creative adaptations are made to surmount barriers.

Understand the value of online participatory mapping tools, such as kumu.io, that can assist nutrition education professionals make sense of a nutrition complexity.



DINE

Division of

International

Nutrition

Education

DINE aims to bring international topics and membership into all SNEB does: Journal articles, webinars, conference sessions, strategies, communication, etc.

DINE is the focal point for SNEB's Consultative Status with the UN Economic and Social Council since 2018: http://csonet.org/index.php?menu=78

DINE members' work is as diverse as their locations:

- nutrition communication planning and program development -
- sustainable agriculture food security public health nutrition -
- community development education and training research consumer advocacy public policy.

100 members
20-30 Countries

Many of our USA members
are linked to, or living in,
another country.

Members connect via private groups on Facebook, LinkedIn, and Google to network, learn and share.

If you would like to **become a member of DINE**, please <u>register as an SNEB member</u> and **choose** "Division for International Nutrition Education" as one of your complimentary divisions.

Anyone can follow DINE on our public Facebook page: https://www.facebook.com/DINEsneb

Or contact DINE at: DineSneb@gmail.com



Capitalizing on International ICTs for Sustainable Food Systems:

ICDA Sustainable Food Systems Toolkit

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Presented to the Society for Nutrition Education and Behavior July 31, 2022. Atlanta, Georgia.

#SNEB2022: Re-engineering Nutrition Education and Behavior

Objectives



Improve awareness, understanding, and interest in the International Confederation of Dietetics Associations (ICDA) sustainable food systems (SFS) toolkit.



To showcase how ICDA has used Information and Communications Technologies (ICTs) to assist NE professionals in accessing relevant SFS knowledge



Reflect

What role would you like to play in supporting sustainable food systems?

What hinders you from doing so?



ICDA FOOD SYSTEM SUSTAINABILITY INITIATIVE

Information Communication Technologies are key

1 - Delphi Inquiry

(complete)





- Barriers
- Vision of Success
- Indicators
- Actions for ICDA

2 - SFS Toolkit

(ongoing)





- Resources, Professional Development, Community
- >1600 users from 35 countries

3 - Indicators

(ongoing)



- Based on barriers
 & ICDA actions
- Baseline data collected
- Tracking future progress



BUILDING COMMON GROUND FOR SUSTAINABLE FOOD SYSTEMS IN NUTRITION AND DIETETICS

Final Report to ICDA

Recommendations for moving forward based on the outcomes of the Delphi Inquiry Process

October 2018 - April 2019









Delphi Inquiry Process

Members' Vision

of a Sustainable Food System

Sustainable food systems nourish all people,

now and into the future, with sufficient, nutritious, affordable,

tasty, diverse, culturally appropriate food.

Such food systems support physical and mental health while

preserving, promoting, and respecting the integrity of

ecological and social systems...

Barriers to SFS

- Environmental degradation
- Profits as priority
- Food safety
- Differing trends between regions
- Food prices
- Professional culture
- Finding common ground



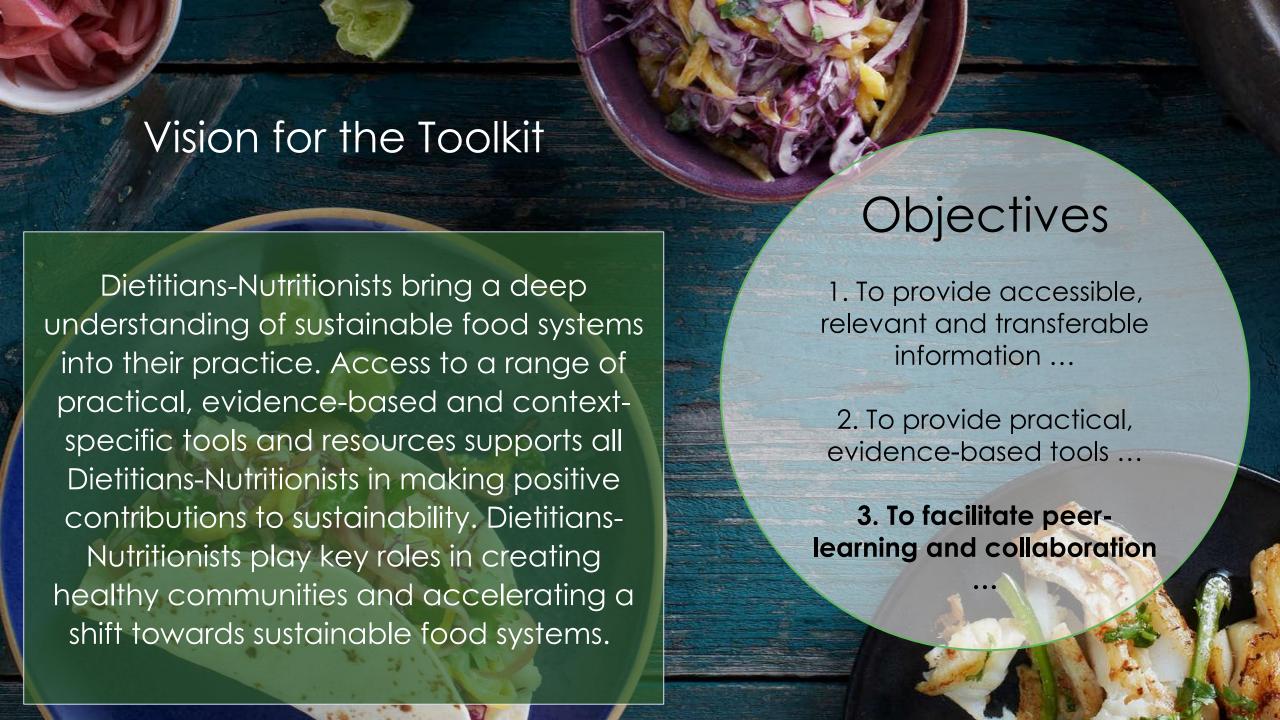


High-Level Recommendations Specific to ICDA

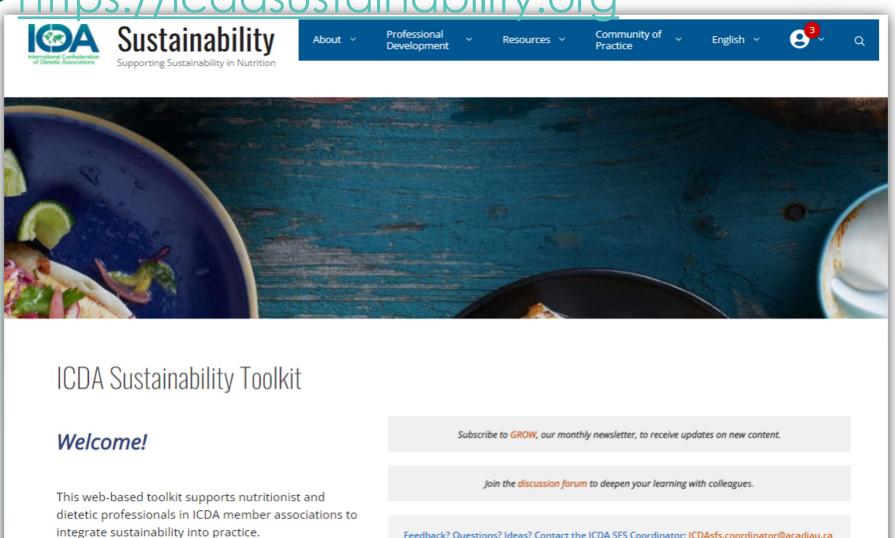
- ▶ i. Provide strong leadership for sustainable food systems in practice
- ii. Facilitate learning and collaboration among ICDA members
- ▶ iii. Identify and engage global partners in this work







https://icdasustainability.org



#SNEB2022: Re-engineering Nutrition Education and Behavior

Feedback? Questions? Ideas? Contact the ICDA SFS Coordinator: ICDAsfs.coordinator@acadiau.ca

PD: Sustainability Self-Assessment: A Personalized Toolkit Guide

This is the first page of the Professional Development (PD) section of the SFS Toolkit where you can take the Self Assessment. If you've already done the assessment, or feel that you don't need to take it, you can continue onto the **Learning Modules**.

Remember to also consider: 1) Subscribing to GROW for updates to this ICDA-SFS Toolkit. 2) Joining our discussion forum to deepen your learning.

Sustainability Self-Assessment Form

The purpose of this self-assessment tool is to help you consider your learning needs related to sustainability. Your assessment "results" will help direct you to elements of our toolkit that are most relevant to you. The demographic questions are optional and meant to inform future improvement of the toolkit. This self-assessment was inspired by one developed by the Academy of Nutrition and Dietetics (for competency assessment).

Background in Sustainability

Which of the following is most reflective of your level of knowledge and learning needs about sustainable food systems and diets?

I am new to this topic

I want to know more background information about this concept/topic area

I have a good working knowledge of sustainability concepts/topics

I want to understand the relevance of this topic area to my practice

I have a good understanding of the concepts/topics and relevance to my practice

I want to know more about how to implement this topic area into my practice

content throughout this toolkit. Choose the ones you would like to learn more about. Select all that apply.	
Social Sustainability	Environmental Sustainability
☐ Select All	☐ Select All
☐ Culture	☐ Biodiversity
□ Economy	☐ Climate change
☐ Equity	☐ Energy use
☐ Gender	☐ Food waste
☐ Sovereignty	□ Land
	□ Water
Professional Roles We understand that dietitians and nutritionists have many differ	ent roles and activities. Which ones would you like to learn more about?
☐ Select All	
Sustainability policies in my organization and/or program	
☐ Integrating sustainability objectives into nutrition-related programs	
Sustainable food options or substitutions that are appropriate for menu design, meal or dietary recommendations in my practice	
☐ Sustainability-informed curriculum when teaching nutrition and dietetic students and interns	
Opportunities and information to further my knowledge around the role of nutrition in sustainability	
Current and ongoing evidence-based research around nutrition and its role in a sustainable food system.	

We recognize that sustainability is a very broad concept and that you might want to learn more about a specific topics. The topics listed below are reflective of the

Topics of Sustainability in Practice

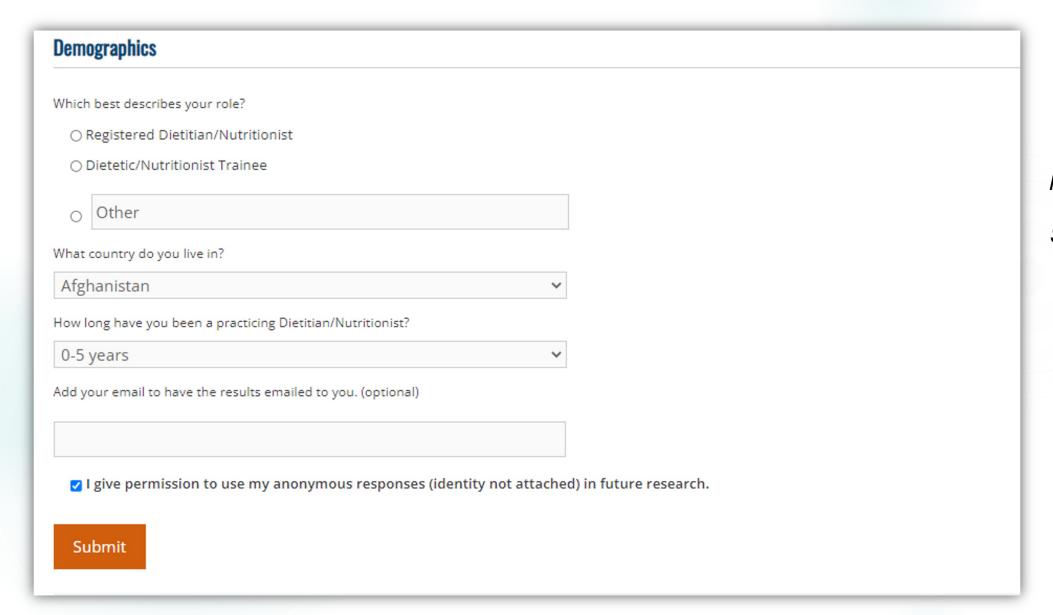
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PD: Sustainability

Self-Assessment:

A Personalized

Toolkit Guide



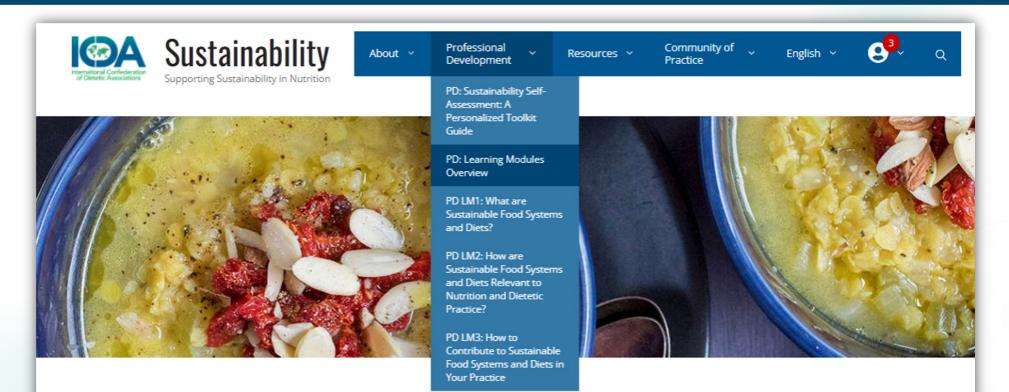
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PD: Sustainability

Self-Assessment:

A Personalized

Toolkit Guide



PD: Learning Modules Overview

These Professional Development (PD) Learning Modules lead you through a curated series of resources from this toolkit, for those who want a structured tour. They also present reflective questions that encourage critical thought and practice-based application.

The learning modules are structured to support three levels of knowledge:

- 1. Understanding foundational concepts of sustainability and food systems
- 2. Understanding the relevance of SFS to nutrition and dietetic practice
- 3. Being able to apply SFS concepts in your practice





Emerging Research

SDG Briefs: Dietitian-

Webinars, Workshops &

Sustainability Courses

Nutritionist Roles

Case Studies

Podcasts

Infographics

Glossary

Tools for Practice

Webinars, Workshops & Podcasts

These are short (generally less than 1 hour) video and audio recordings relate into three groups.

- The first includes any upcoming, live webinars that are relevant.
- The second group covers knowledge development and information relationships
- The third group covers relevance and applications of SFS in nutrition ar and dietetic professionals and focus or how to integrate the ideas into

Podcasts | Webinars | Workshops

Podcasts



Voices: Stories about Practice in Sustainable Nutrition

In this podcast we share stories of the nutrition and dietetic practitioners from around the world who are trailblazers, working to deepen connections between people and food systems and educate

tomorrow's dietitians for the realities they will face. This podcast is



Feed: A Food Systems Podcast with Table

Feed is a podcast series created by Table in collaboration with University of Oxford, the Swedish University of Agricultural Sciences (SLU), and Wageningen University. Hosts Matthew Kessler and Samara Brock aim to

tems (SFS). We have separated them

cludes webinars by and for nutrition

fill the gap of the future of food by "exploring the evidence,





For any discussion about Sustainable Food Systems. This discussion forum is intended for you to be able to advice with, your peers. Posts related to all roles and activities of nutrition and dietetic practitioners are well

question, or any ideas to discuss, this is your place. There is a discussion thread for each of the episodes. If you have a great story to share, but unrelated to the episode topic, you can do so in our general "Share your Story" section.

All posts are PUBLICLY visible but only members can post. To post in any of the discussion forums or groups you'll need to register at: https://icdasustainability.org/register/

About Y

To start a new discussion, click on this forum title, scroll down to "Ask a Question or Share and Idea," give it a descriptive title, and then add your discussion content.

Professional

Development

Forum

• Discussions
• Discussions
• Discussions
• Replies
• Last Post

Discuss the Voices Podcasts

We'd love to hear your thoughts about our podcast Voices: Stories about Practice in Sustainable Nutrition. If you have another story to share about what you do, a

Community of

COP: SFS Toolkit Regional

COP: Sustainability in

COP: Share your Story

COP: Discussion Forum

Practice

Contacts

Practice

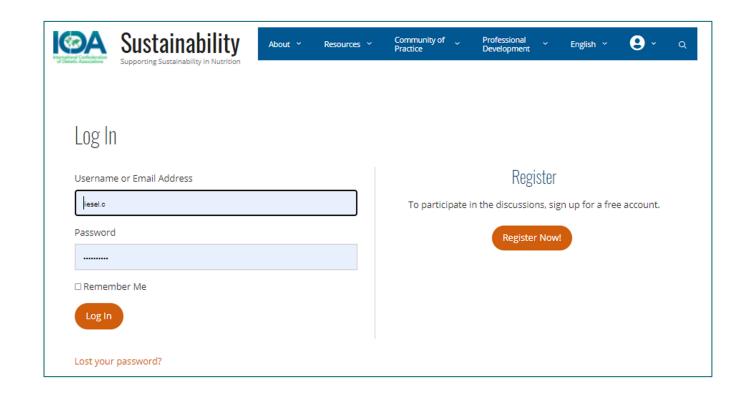
COP: Groups

COP: Members

Resources ~

Check us out!

- https://ICDAsustainability.org
- Become a member to join the conversation
- Subscribe to Grow for monthly updates
- Contribute a story about the work that you do!





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Improve awareness, understanding, and interest in the International Confederation of Dietetics Associations (ICDA) sustainable food systems (SFS) toolkit.



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What hinders you from doing so?





The SANE Malawi case

STRENGTHENING

AGRICULTURAL &

NUTRITION

EXTENSION





Capitalizing on International ICTs for Sustainable Food Systems

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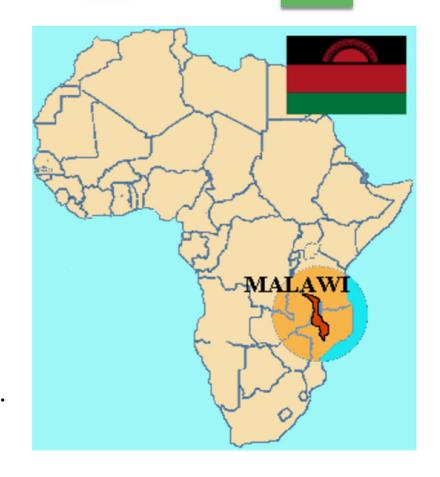






Today I will:

- Describe ways to improve coordination & collaboration with stakeholders to support sustainable food systems.
- Explain the ICTs used in Malawi (a very low-income setting), and how creative adaptations were made to surmount barriers.
- Understand the value of online participatory mapping tools that can assist the nutrition education environment.















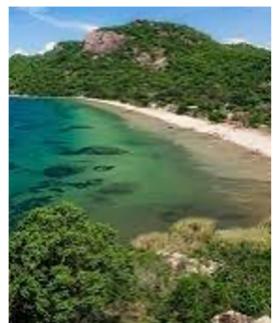
Rural Majority ~15 million

Urban Minority ~3 million





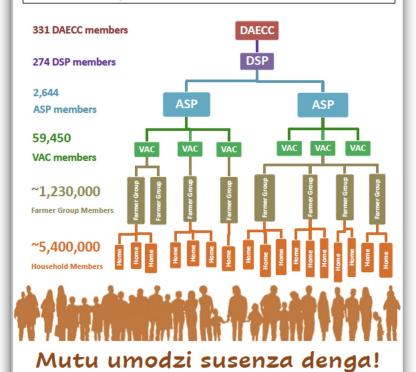








The Power of DAESS! **District Agricultural Extension Services System** The DAESS is a powerful system to help us multiply our efforts at a MUCH **DSP** ASP - ASP greater scale than we could VAC - VAC - VAC EVER achieve on our own. Together we can do Farmer group - Farmer group Home - Home - Home - Home ANYTHING! Agriculture platforms are made up of diverse people. Diversity makes us stronger! Some platforms are BIG and others are small.



Malawi's Feed the Future SANE

was a <u>systems strengthening</u> project
that assisted farmers to increase their voice
in agriculture and nutrition in Malawi from 2016-2021.

Building capacity in using
Information & Communication Technologies (ICTs)
was critical to coordination & collaboration.

The tools can, and are still being used, such as:

- Participatory stakeholder mapping with <u>Kumu.io</u>
- Video extension,
- Knowledge management tools,
- WhatsApp coordination.



Agricultural & Nutrition stakeholders are better able to work together. They make sense of partners, activities, and progress in order to make better decisions with their available resources.

SANE timeline: 4 big setbacks

2016 – Launched 2019/20 – MW elections

2017 – US Elections re-Elections & COVID-19!

2018 – Trainings 2021 – Growth, Extended

COVID-19 hit

after 2 great years of Systems Development

making it easier to work with capacitated platforms to help them adapt and communicate.



DAESS members learning about COVID-19 together Farmers, extension & agri-businesses













Examples of the DAESS members' strategies for continuing Agriculture & Nutrition Extension during COVID-19

- 1) National level DAESS stakeholders lobbying with government to list AES as an essential service.
- 2) All stakeholders lobbied together for COVID-19 resources in Agriculture sector at various levels.
- 3) Strengthened coordination with District Councils to **develop and communicate clear guidelines** with and for sectors.
- 4) DAESS stakeholders **used innovative ways of reaching out to farmers** such as ICT, digital extension and approaches that minimize physical contact with farmers.
- 5) National level stakeholders lobby for reduction in costs of Internet bundles.
- 6) Meetings held online when networks are friendly and reliable.
- 7) People with online access help others by participating together (while adhering to the 3 W's).

Together,

DAESS

Discussed,

Documented,

Did,

Disseminated,

Repeated!













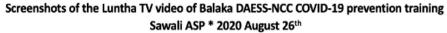
Media collaboration

Diversity of platform membership is a benefit.

DAESS member Luntha TV station used their own initiative to produce a video of one of the DAESS trainings and shared it freely on the WhatsApp group for anyone to use.

http://bit.do/MalawiAgNut

2020.09 Balaka Training Luntha TV



























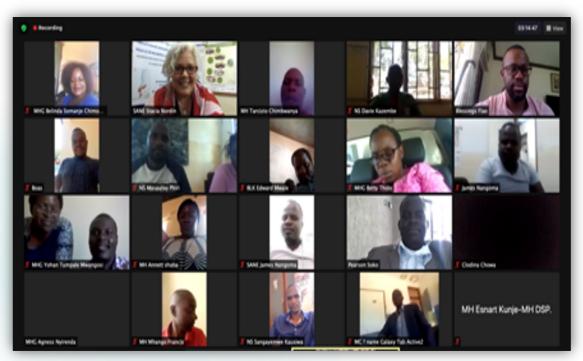


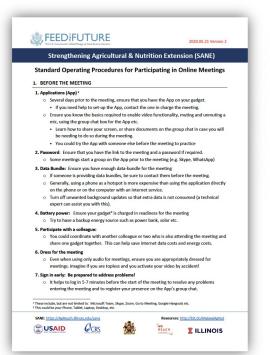


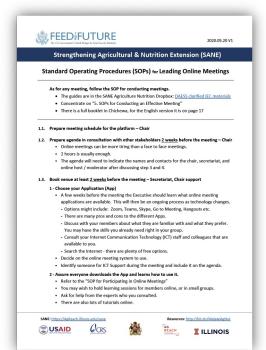


There are very few TVs, 'devices' combined with sporadic internet, phone & electricity. Where they exist, we capitalize on them & collaborate to reach as many as possible.

Together we created, used, and adapted guides on holding & participating in online meetings





















Nozzi Mpesi

Nsanje

+265 884 21 44 06 ~Robertő We need to replicate this in Nsanje

Sure, let's consider this as an agenda in the next nutrition review meeting early November!

10:58

We taught platforms to use solar projectors & speakers to live stream events & hold 'watch parties' with WhatsApp chats

Example from

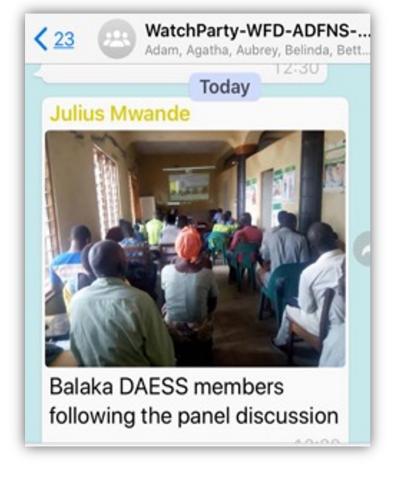
World Food Day, African Day of Food & Nutrition Security

← at the event physically & a group using projector →
 ↓ Two on an office laptop

















Video-Based Extension

17,678 farmers reached with Agriculture and Nutrition video extension.

- Reaches much further, with higher quality and impact, than without video support.
- Increased attention, participation, interaction.

Together we developed:

- Video extension guidance for facilitators in Chichewa & English
- See http://bit.do/MalawiAgNut
- Monitoring tools with Access Agriculture to track impact and reach















Video-Extension with Youth Entrepreneurs





- Collaboration with Access Agriculture
- Ran a contest for youth (50:50 F:M)
- Youth charge for extension sessions but also collaborate with their local DAESS for free sessions as social responsibility.

← Sydney Fackson













Innovation

Some Districts collaborated with their coordination platforms with live streaming and WhatsApp.

Projectors were used to link participants online.

Chichewa is used for the community platforms.









Live and direct from Toleza ASP. The Inception meeting on Adaptation Fund Project has started with participants from seven ASPs in Balaka linked through Zoom online meeting App. The meeting is going on smoothly. The consultant is presenting from a central point at the Boma and the seven ASPs are connected



Wed, 17 Jun 10:07

Alfred Tsitsi



kuno kwa Toleza
tayambapo msonkhano
wachidziwitso cha Adaptation
Fund Project. Zonse zili bwino
meeting tikupangila pa zoom.
Ma ASP onse seven akuonera
ndinkunvera zomwe
zukambidwa pa
msonkhanowu









Participatory Stakeholder Mapping

Mapping helps community platforms know:

Who is in their area, What they are doing & Where

The community uses maps to identify issues & actions.

- Kumu.io & the mapping process builds relationships and has enhanced collaboration, coordination, transparency, and accountability
- Mapping helps in sustainability of projects.
- With strong connections between partners & structures, community platforms have a better chance of continuing even when projects phase out.



Balaka ASP Msamala Secretariat, Tony Chioza Nkaya ASP











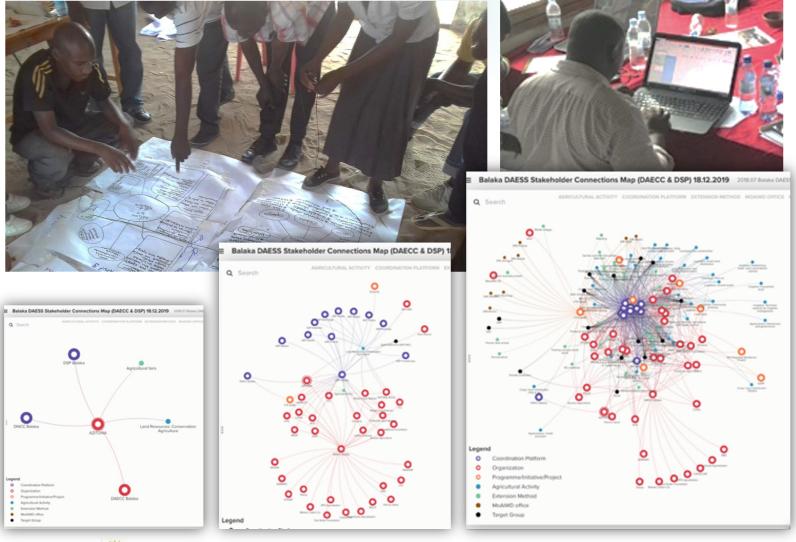


HOW MAPPING IS DONE

- 1. Start with sensitization & understanding
- 2. Data collection Flip charts & Discussions
 - · Who, What, Where, How
 - Info belongs to the those that provide it.
- 3. Enter data via excel / google sheets
- 4. Import the excel into our online map.
- 5. USE the map regularly
 - Kumu allows you to visualize connections
 & gaps
 - Understand situations
 - See potential areas of synergies
 - Bring an excel database to life!











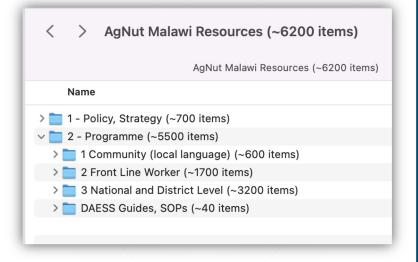




If you want to go fast, go alone.

If you want to go far, go together.





e-file sharing (google drive)*

Environment, Agriculture, Nutrition, Gender, COVID-19

http://bit.do/MalawiAgNut











EDI: Equity – Diversity – Inclusion

- Equity is a core principle aiming for collaboration to assure all voices are respected
 - ICDA within and across nations
 - SANE for farmer's voice, especially for young people and females of ages for equitable access to agriculture and nutrition services and their impacts / benefits
- ▶ Both actively seek out diverse perspectives and how to address diversity at all levels (households, communities, extension services, planning, policy / laws, etc.)
- Transparent about the dominance of "Western" perspectives
- Translation efforts
- Engage local contacts from platforms (SANE) and member countries (ICDA)



Implications for Practice

- ► The sustainability of our food systems is a local and global issue: solutions must be documented, built on, and shared
- ▶ Information and Communication Technologies are becoming more and more accessible
 - but recognition of and addressing barriers to ICTs is equally important
- Networking allows peer-to-peer collaboration and learning and can increase relevance of action. Member driven networks and Communities of Practice can be valuable.
 - BUT significant challenges exist to engage participation:
 - Time, Money, Networks, Confusing technologies, Competing priorities, Power struggles,
 Misunderstandings in written communication,

 all things to work on!



ICTs can assist Nutrition professionals to better:

- make sense of the organizations and actions taking place allowing us to make better decisions and track those decisions together,
- access tools that increase knowledge of SFS,
- demonstrate the relevance of concurrently examining nutrition in the context of SFS,
- provide examples of how nutrition educators can incorporate an SFS lens in practice, and
- feel connected to to peers that are also trying to improve sustainability of nutrition.



Let's Discuss!

- 1. Have you done something similar to share?
- 2. Is this new for you? Do you need clarity anywhere?
- 3. Do you disagree? Why?
- 4. How do we scale equitably considering the digital divide?
- 5. Other?

