2ⁿᵈ RUFORUM TRIENNIAL CONFERENCE

AICCRA SIDE EVENT CONCEPT NOTE
DEVELOPMENT OF E-LEARNING MATERIALS FOR CLIMATE SMART AGRICULTURE
AND CLIMATE INFORMATION SYSTEM MODULES

Date: 14ˢᵗ August 2024 (14.00 –16.00 SAT)
Venue: Hage Geingob Campus, Room TBC, Windhoek, Namibia
Registration Link:
Contact:

Prof Majaliwa Mwanjalolo (m.majaliwa@ruforum.org)

BACKGROUND
In recent years, the intersection of climate change and agriculture has become increasingly apparent, prompting a critical need for innovative approaches to mitigate its impacts and build resilience within farming communities. One such approach gaining traction is Climate Smart Agriculture (CSA), which integrates climate adaptation and mitigation strategies into agricultural practices to enhance productivity, sustainability, and resilience. At the heart of effective CSA implementation lies the dissemination of knowledge and tools through educational initiatives, with e-learning emerging as a versatile and accessible platform for delivering essential information to stakeholders across diverse geographic regions.
Simultaneously, the importance of Climate Information Systems (CIS) has grown in parallel, providing timely and accurate climate data and forecasts essential for informed decision-making in agriculture and related sectors. The synergy between CSA and CIS underscores the significance of developing targeted e-learning materials that not only educate stakeholders on climate-smart practices but also empower them to utilize climate information effectively in their farming operations.

In this context, the development of e-learning materials tailored to CSA and CIS presents a unique opportunity to bridge the gap between scientific knowledge and on-the-ground application, fostering sustainable agricultural practices in the face of climate variability and change. This introduction sets the stage for exploring the key considerations, challenges, and strategies involved in creating impactful e-learning resources for Climate Smart Agriculture and Climate Information Systems. Through collaborative efforts and innovative approaches, these materials have the potential to empower agricultural communities worldwide to adapt, mitigate, and thrive in a changing climate landscape.

The event will further target skills enhancement courses offered to the network as an opportunity to broaden scope and have an integrated approach e-content development for RUFORUM.

OBJECTIVES

Co-organisers

The objective of the side event is to develop effective e-learning materials for Climate Smart Agriculture (CSA) and Climate Information Systems (CIS). The event aims to:

1. Bring together experts, to collaborate on advancing e-learning initiatives in the fields of CSA and CIS.
2. Provide training and support to instructors, equipping them with the skills and knowledge necessary for effective digital pedagogy, instructional design, and content development for e-learning.
3. Develop high-quality e-learning resources that cater to the needs of various stakeholders.

APPROACH

The event will start with key presentations on the e-learning module development by experts. This will be followed by hands on content transformation and packaging using the ESE tools. The course developers will develop a series of assessment tools for the different sessions of the course modules. The e-learning materials will then be uploaded on the RUFORUM portal.

OUTPUTS AND OUTCOMES OF THE SIDE EVENT

1. Increased Accessibility to relevant knowledge and resources, reaching a broader audience regardless of geographical location or physical constraints.
2. Learners gain access to comprehensive and up-to-date information on climate-smart agricultural practices, including techniques for sustainable farming, adaptation strategies, and utilization of climate information for decision-making. This leads to improved skills and competencies among farmers, agricultural extension workers, policymakers, and other stakeholders involved in agricultural development.
3. Improved Decision-making enabling users to understand the potential impacts of climate change on agriculture, assess risks, and identify suitable adaptation and mitigation measures tailored to their specific contexts.
4. Behavior change through promotion of the adoption of climate-smart practices and technologies.
5. e-learning initiatives empower them to take proactive measures to safeguard their livelihoods and food security.

PARTICIPANTS
The AICCRA program Course module developers.

ORGANIZERS
The event is organized by RUFORUM, with the support of the AICCRA team, and from the Government of Namibia and RUFORUM member universities in Namibia.

Co-organisers

PROGRAMME

DAY 1	
VENUE: Plenary **CHAIR**: Prof Jude Lubega **RAPPORTEUR**: Waswa[1] Moses, Emmanuel Okalany[7], Selma Ndapewa Nghituwamhata, Yamungu B.	
Time	
08.30-10:35	**WELCOME REMARKS: Dr. Florence Nakayiwa, Deputy Executive Secretary, RUFORUM**
08:35 -10:30	**Session 1:** First Steps to Accessing RUFORUM E-Learning System (System URL, Login Details, Obtaining Login Credentials, Recovering lost Login Credentials etc. Prof. Jude Lubega and Prof. Drake Mirembe
10:30-11:00	**Tea Break**
11:00-13.00	**Session 2:** First Steps to managing a course (how to turn editing on and off, how to edit course items, rearranging items within the course, how to edit a header and a topic, adding different types of content to the course (word, pdf, video, SCORM, Books, external links), enabling access to content, importing a course) Prof Jude Lubega and Prof. Drake Mirembe
1300-14:00	**Lunch Break**
14.00-16.00	**Session 3:** Populating a Course with other learning activities in the E-Learning System (adding discussion forums, adding chats, adding groups to a course (creating a group, adding members to a group, adding groups to a grouping) Prof. Jude Lubega and Prof. Drake Mirembe
16.00-16.05	**End of Day One**

TUESDAY 6th August, 2024	
DAY 2	
VENUE: Plenary **CHAIR**: Prof Jude Lubega **RAPPORTEUR**: Waswa[2] Moses, Emmanuel Okalany[7], Selma Ndapewa Nghituwamhata, Yamungu B.	
Time	
08:30-10:30	**Session 4:** Developing Engaging Instructional Material through Rapid E-content Development based on the Learning Object (LO) Concept. Prof. Jude Lubega and Prof. Drake Mirembe
10:30-11:00	**Tea Break**

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[1] All issues regarding rapporteuring should be addressed to Waswa and Okalany

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11:00-13.00	**Session 5:** Developing Engaging Instructional Material through Rapid E-content Development based on the Learning Object Concept using eXe software (understanding eXe, installing eXe on Windows/Mac, using the web version, using the outline tool set to structure a resource (LO way), selecting iDevices, adding content to a resource) Prof. Jude Lubega and Prof. Drake Mirembe
1300-14:00	**Lunch Break**
14.00-16.00	**Session 6:** Continuation of Developing Engaging Instructional Material through Rapid E-content Development based on the Learning Object Concept using eXe software (applying a new style to a resource, saving, loading and export functions, editing a resource, navigating other areas of eXe) Prof. Jude Lubega and Prof. Drake Mirembe
16.00-16.05	**Way – Forward**

WEDNESDAY 7th August, 2024	
DAY 3	
VENUE: Plenary **CHAIR: Prof Jude Lubega** **RAPPORTEUR:** Waswa[3] Moses, Emmanuel Okalany[7], Selma Ndapewa Nghituwamhata, Yamungu B.	
Time	
08:30-10:30	**Session 7:** Designing effective assessment with a course (multiple choice, essay), creating a question, adding questions to a question bank, creating the quiz from the bank, accessing and adding a grade book within a course Prof Jude Lubega and Prof. Drake Mirembe
10:30-11:00	**Tea Break**
11:00-13.00	**Session 8:** Developing adding an assessment with a course (multiple choice, essay), creating a question, adding questions to a question bank, creating the quiz from the bank, accessing and adding a grade book within a course Prof Jude Lubega and Prof. Drake Mirembe
1300-14:00	**Lunch Break**
14.00-16.00	**Session 9:** Packaging your course, populating and uploading digitised Content on the RUFORUM LMS – Hands on Prof. Jude Lubega and Prof. Drake Mirembe
16.00-16.05	**Way – Forward**

THURSDAY 8th August, 2024

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DAY 4	
VENUE: Plenary **CHAIR**: **Prof Jude Lubega** **RAPPORTEUR**: Waswa[4] Moses, Emmanuel Okalany[7], Selma Ndapewa Nghituwamhata, Yamungu B.	
Time	
08:30-10:30	**Session 10:** Packaging your course, populating and uploading digitised Content on the RUFORUM LMS – Hands on Prof. Jude Lubega and Prof. Drake Mirembe
10:30-11:00	**Tea Break**
11:00-13.00	**Session 11:** Packaging your course, populating and uploading digitised Content on the RUFORUM LMS – Hands on Prof. Jude Lubega and Prof. Drake Mirembe
1300-14:00	**Lunch Break**
14.00-16.00	**Session 12:** Session 10: Packaging your course, populating and uploading digitised Content on the RUFORUM LMS – Hands on Prof. Jude Lubega and Prof. Drake Mirembe
16.00-16.05	**Way – Forward**

FRIDAY 9th August, 2024	
DAY 5	
VENUE: Plenary **CHAIR**: **Prof Jude Lubega** **RAPPORTEUR**: Waswa[5] Moses, Emmanuel Okalany[7], Selma Ndapewa Nghituwamhata, Yamungu B.	
Time	
08:30-10:30	**Session 12:** Review of Developed Online Courses and support on the RUFORUM LMS Prof. Jude Lubega and Prof. Drake Mirembe
10:30-11:00	**Tea Break**
11:00-13.00	**Session 13:** Review of Developed Online Courses and support on the RUFORUM LMS Prof. Jude Lubega and Prof. Drake Mirembe
1300-14:00	**Lunch Break**
14.00-15.30	**Session 14:** Review of Developed Online Courses and support on the RUFORUM LMS Prof. Jude Lubega and Prof. Drake Mirembe
15:30 – 16:00	**Session 15:** Evaluation of Training

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Co-organisers

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	Prof. Jude Lubega and Prof. Drake Mirembe
16.00-16.05	**Way – Forward**