MOBILE LEARNING APP DEVELOPMENT

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November 2019
Adaptation to Climate Change in Rural Areas in Southern Africa (ACCRA)

- 01/2016-12/2019 ext 12/2020
- Political partner: SADC FANR
- Implementing partner: CCARDESA (and Botswana MFED)
- Covering all SADC member states
- 3 action areas: ICKM, Climate Proofing & Climate Finance
- Multi-level approach: regional - national - local level
- Strong focus on capacity building and inclusion of women and youth
VISION: A prosperous and food secure Southern African region, with vibrant rural livelihoods:

MISSION: To promote innovative research, technology generation and adoption for sustainable agricultural development through effective partnerships and capacity building

Theme 1
Farmer Empowerment & Market Access

Theme 2
Research & Technology generation & farmer demand driven advisory services

Theme 3
Knowledge, Information & Communication

Theme 4
Institutional Development & Capacity Building

Theme 5
Establishment & Strengthening of CCARDESA as an effective SRO
ICKM at CCARDESA

ICKM = Information, Communication and Knowledge Management

- ICKM Strategy & Manual (SOPs/QMPs)
- Website – institutional & knowledge hub
- Knowledge Products (24) – three languages
- Promotional events (six countries)
- Technical Briefs (67)
- Mobile App
Objectives

Off-line access to tools and resources

Technical Briefs

Learning

Expand reach to extension officers

Connect stakeholders
**INCEPTION & WORKSHOP**
In order to develop an app that responds to scope of work and user needs, CCARDESA and GIZ-ACCRA conceived an app development workshop.

**DEVELOPMENT**
During this phase, the web developer will utilise the Flutter framework to implement the design, information architecture, and logic established and approved in the specification document.

**LAUNCH**
Launch of version 1.0 of the app on the Google Play and Apple App Store.

**1**
February 2019
App Workshop
- Lessons Learned
- Possible functionality
- Development frameworks

**2**
June to August 2019
Specification
Requirements established in workshop are elaborated into a specification document, and reviewed by CCARDESA and GIZ-ACCRA.

**3**
August to September 2019
App Development
- Mock-ups
- Workflow logic
- App development (Flutter)
- Content Integration
- Internal testing

**4**
September to October 2019
Testing
Following internal testing, the beta version of the app will be tested with user groups, including a testing workshop, and testing by an independent partner organisation.

**5**
October 2019
App Launch
- Publish on Google Play
- Publish on Apple App Store
- News release
Features

- Mobile app(lication) Android/iOS
- App download & installation from app stores
- Content downloaded from website
- Simple interface
- Search to access technical briefs
- Quiz – thematic quizzes, new quizzes
- Directory (updated when online)
- Discussion forum (updated when online)
Learn
Access to knowledge resources

Quiz
Thematic quiz access
Add new quizzes

Discuss
Access to an online discussion forum

People
Directory of stakeholders, with contact information on ‘share-alike’ basis
The Centre for Coordination of Agricultural Research for Southern Africa (CCARDESA) Mobile Learning App is a tool designed to assist agricultural extension workers to learn more about climate change and agriculture in the Southern African Development Community (SADC) region. The CCARDESA app provides the following interactive features:

**LEARN** - Find Technical Briefs on a variety of CSA and related subjects, as well as other knowledge resources and Knowledge Products.
Apple App Store

Pending approval
Next steps

- Version 1.0
- Include more quizzes
- Expand directory through registrations
- Seek feedback
- Updates in Version 2.0
Launch!
Thanks:

CCARDESA

Centre for Coordination of Agricultural Research and Development for Southern Africa
Let’s get started!

- Google Play Store
- Apps
- Search – CCARDESA
- Install

- Register

Wifi Access Point:
Username:
Password: