

MOBILE LEARNING APP DEVELOPMENT

Simon Hughes
Hatfield Consultants Africa

MindQ

November 2019



CCARDESA

Centre for Coordination of Agricultural Research and Development for Southern Africa



german
cooperation

DEUTSCHE ZUSAMMENARBEIT

Implemented by:

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

GIZ ACCRA

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

Stakeholder Engagement



Newsletter



Discussion Forum



Social





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.



February 2019

App Workshop

- Lessons Learned
- Possible functionality
- Development frameworks

June to August 2019



SPECIFICATION

Requirements established in workshop are elaborated into a specification document, and reviewed by CCARDESA and GIZ-ACCRA

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



August to September 2019

App Development

- Mock-ups
- Workflow logic
- App development (Flutter)
- Content integration
- Internal testing

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.



LAUNCH

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



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)

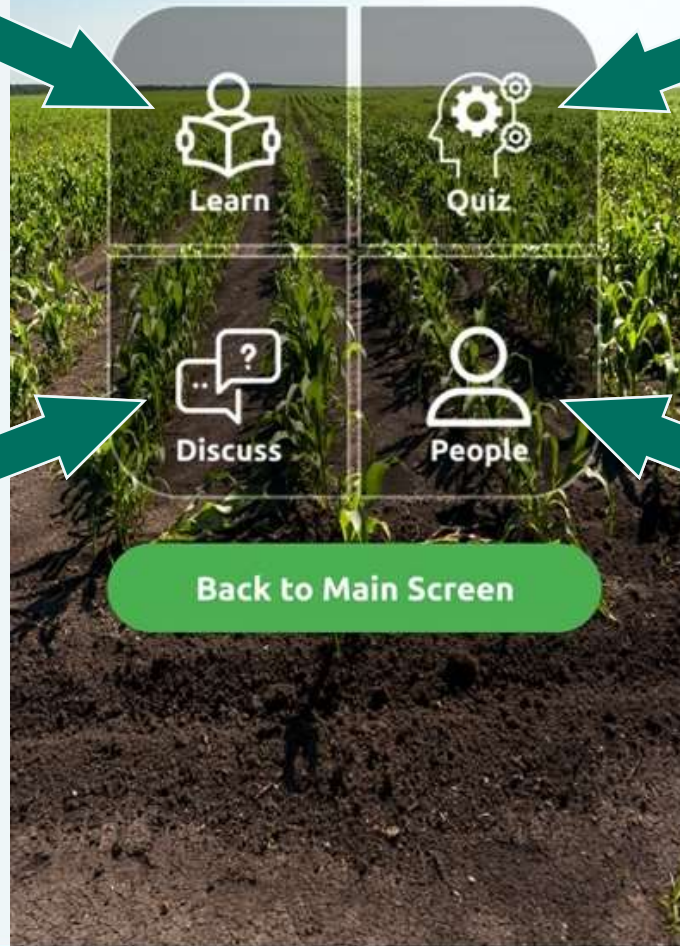
Functions

CCARDESA

Centre for Coordination of Agricultural Research and Development for Southern Africa

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

- Apps
- My apps
- Shop
- Games
- Family
- Editors' Choice
- Account
- Payment methods
- My subscriptions
- Redeem
- My wishlist
- My Play activity
- Parent Guide

CCARDESA Mobile Learning App

MindQ Education

3+ Add to Wishlist Install

The screenshots show the app's main interface with 'Continue', 'Login', and 'Register' buttons. It also displays a 'Questionnaire' screen asking about value chains (Maize, Sorghum, Rice, Livestock, Other) and annual average rainfall. A 'Crop Rotation' screen shows various metrics like Return on Investment, Crop Production, Fodder Production, Farm Income, Household Workload, Food Security, Biological Diversity, and Flooding, each with a progress indicator.

The Centre for Coordination of Agricultural Research for Southern Africa (CCARDESA) Mobile Learning App is 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

[READ MORE](#)

Similar [See more](#)

আমার লাইব্রেরী
Md Mamunur Rasid
Collection of Islamic Literature in Bengali. By Syed Moududi, Pr. golam
★★★★★

বাংলা সাহিত্যের ইতিহাস
SAMIR PATRA
Lots of questions-answers of 'History of Bengali Literature'
★★★★★

ত. মরিস বুকাইলি বাইবেল কোরআন ও বিজ্ঞান
Md Mamunur Rasid
The Bible, The Qur'an and Science by Maurice Bucaille translated to
★★★★★

তাহফেইমুল কুরআন
Md Mamunur Rasid
Whole Tafheemul Quran Tafseer by Sayed Abul Ala Moududee
★★★★★

Rabindranath Ta
Scent

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



german
cooperation

DEUTSCHE ZUSAMMENARBEIT

Implemented by:

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

mindq
your vision. simplified.



Hatfield
CONSULTANTS

Let's get started!

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

- Register

Wifi Access Point:

Username:

Password: