DIGITAL TRANSFORMATION CENTER KIGALI

DIGITAL SOLUTIONS FOR SUSTAINABLE DEVELOPMENT (DSSD) PROGRAM

DSSD PROGRAM

PROGRESS REPORT
APRIL TO JUNE 2019

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Republic of Rwanda
Ministry of ICT and Innovation

german cooperation
DEUTSCHE ZUSAMMENARBEIT

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1 INTRODUCTION

The program Digital Solutions for Sustainable Development (DSSD) advises Rwandan institutions on the implementation of the Smart Rwanda Master Plan (2016-2020) and its priority projects. The project aims at promoting the development of digital solutions in collaboration with sector ministries, local and international private companies, research institutions and civil society.

The DigiCenter is a space dedicated at delivering impact driven digital solutions, developing the capacities of the local innovation ecosystem, and replicating / scaling-up digital solutions at regional and continental level.

2 HIGHLIGHTS OF THE PERIOD

OFFICIAL LAUNCH OF THE DIGITAL TRANSFORMATION CENTRE

On May the 13th, the DigiCenter was launched by Mr Günter Nooke, BMZ's Commissioner for Africa, German Chancellor's Personal Representative for Africa, together with the Rwandan Minister for ICT and Innovation, Paula Ingabire.

• Over 150 stakeholders attended.

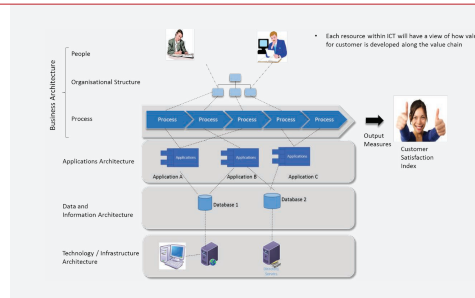# 3 PROGRESS PER OUTPUT DURING THE PERIOD

3.1A:
HUMAN RESOURCE AND INSTITUTIONAL DEVELOPMENT

3.1 A1:
INSTITUTIONAL SUPPORT TO RISA

ENTERPRISE ARCHITECTURE (EA)

EA takes a holistic view to the enablement of a government's strategy. It bridges the gap between business and IT through the development of capabilities.
• EA roadmap developed.
• Information Gathering process was done (Business Process mapping and Information Systems mapping)/as-Is situation.
• Validation Meetings and Workshop (Clusters and other stakeholders.
• EA Progress report for 5 sectors created.
• Strategic document for the implementation of EA developed.

3.1 A2:
STUDIES AND BLUEPRINTS

SRMP MIDTERM EVALUATION

The Smart Rwanda Master Plan (SRMP) mid-term evaluation aims to establish how effective the strategy has been in achieving its intended results and inform partners of the current progress and develop recommendations to ensure full implementation by the 2020.
• January 15th: Kick-off meeting with stakeholders was conducted.
• March 25th: We conducted a technical review of the draft report.
• April 4th: SRMP report was validated.

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3.1 A3:
TECHNICAL ADVICE AND POLICY DEVELOPMENT

DEVELOPMENT OF ICT4COM STRATEGY

MINICOM in collaboration with the MINICT and RISA, supported by DSSD worked together to harmonize efforts and develop together an appropriate coordinated framework for ICT implementation in the trade and industry sector.

- Interim strategy was developed.
- 25th June: Final validation workshop, with ministers from MINICOM and MINICT.
- 28th June: Final technical review conducted.
- Final draft of the strategy available.
- Final strategy document approved by MINICOM.

3.1 A4:
CAPACITY DEVELOPMENT

DESIGN FOR INNOVATION TRAINING OF TRAINERS.

The National Industrial Research and Development Agency (NIRDA) in partnership with DSSD and FRAUNHOFER Center for Responsible Research and Innovation (CERRI) organized a training of trainers.

The aim of this training is for NIRDA and its partner organizations to build methodological capacities to plan and facilitate innovation formats to foster technology innovations, which can both respond to and address societal needs as well as transform the Rwandan economy, based on design thinking and adjacent approaches.

3.2 B:
DIGITAL SOLUTIONS DEVELOPMENT

3.2 B1:
DEVELOPMENT OF 14 DIGITAL SOLUTIONS

OPEN VOICE DATA COLLECTION IN KINYARWANDA

The building of an open dataset for voice-interaction in Kinyarwanda will allow developers to create more inclusive solutions.
DSSD is currently looking for a contractor who will be responsible for collecting 1,200,000 sentences and organizing the crowdsourcing of 1,200 hours of voice recordings.

GERAYO PLATFORM BY BINARY EARTH

- GERAYO uses computer vision to determine the exact number of passengers on bus stations.
- Utilizes machine learning to optimize bus pickups and route optimization.
- Uses computer vision and machine learning to manage traffic lights.

COOK AS YOU PAY BY SKYROCKET

- Gives middle- and low-income Africans instant access to LPG usage at zero upfront cost.
- Customer gets a full domestic LPG kit and they pay for exactly the amount of gas they need at a time.

IOT SOIL SENSORS IN AGRICULTURE BY STES

- BazaFarm devices measure soil moisture & temperature in real time.
- Helping schedule irrigation based on accurate live farm data.
- Reducing water use by 15+%.
- Information accessible via PC or Mobile Phone.

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3.2 B2:
PRESENTATION OF DIGITAL SOLUTIONS AT CONTINENTAL LEVEL

TAS 2019

Panel Discussion organized by DSSD and MASHAV
"Creating an Ecosystem for Innovation & Entrepreneurship: the experience from Start-up nations"
• 70+ People attended
• 5 speakers from 4 countries

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COMMUNITY AND EVENTS

EVENTS HOSTED AT THE DIGICENTER

DigiCenter Launch: The centre welcomed over 100 people, including Rwanda's ICT Minister and BMZ as the center was officially opened.

Miss Geek Training: The Digicenter was honoured to host the 10 Ms. Geek finalists for their one-week training prior to Transform Africa Summit 2019 where the winner was announced.

Digital Africa Gathering: The Digicenter hosted over 70 participants from GIZ offices all over Africa whose focus area is digitalization.

Design for Innovation training (3 phases) of trainers: CERRI Training which happened in collaboration with NIRDA and Fraunhofer has happened in three phases at the DigiCenter so far. Last phase of the training is yet to be complete last week of July.

Kigali Solveathon: DigiCenter hosted the event on behalf of Incision and MIT Solve applicants who proposed digital solutions in the health sector.

Industry 4.0 meet-up: In collaboration with G5, DSSD organized a meet-up with a panel discussion on Industry 4.0.

Innovate4Women Hackathon: The center has hosted a stakeholder workshop and bootcamp for the Innovate4Women hackathon.

5

COMMUNICATION AND VISIBILITY

SOCIAL MEDIA AND WEB PRESENCE

The DigiCenter opened its social media pages in May where people are constantly updated on activities at the centre.

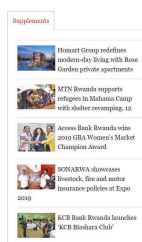**(f)** **Digital Transformation Centre**

(twitter) **@DigiCenterRW**

INTERVIEWS AND MEDIA APPEARANCES

Rwanda launches Digital Transformation Center in partnership with GIZ

Hope Magazine:
http://www.hope-mag.com/index.php?com=news&option=read&ca=7&a=4221
CNBC Interview:
https://www.cnbcafrica.com/videos/2019/05/20/rwanda-launch-es-new-digital-transformation-centre/

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