AI FOR DEVELOPMENT CENTER

INTEGRATING AI & IOT IN TECHNOLOGY FOR DEVELOPMENT

MONTREAL, QUEBEC

INTRODUCTION: About ZMQ Global

- ZMQ Global is an international non-profit organization based in Montreal, Quebec since 2019. It is the first T4D non-profit from Global South, India created in 1998.
- ZMQ designs, develops and implements practical technology-based tools and solutions to empower communities and organizations.
- ZMQ work with communities for building sustainable solutions Health, DEI, Education, Livelihood and Globally issues of Sustainable Development.

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ZMQ T4D MODEL

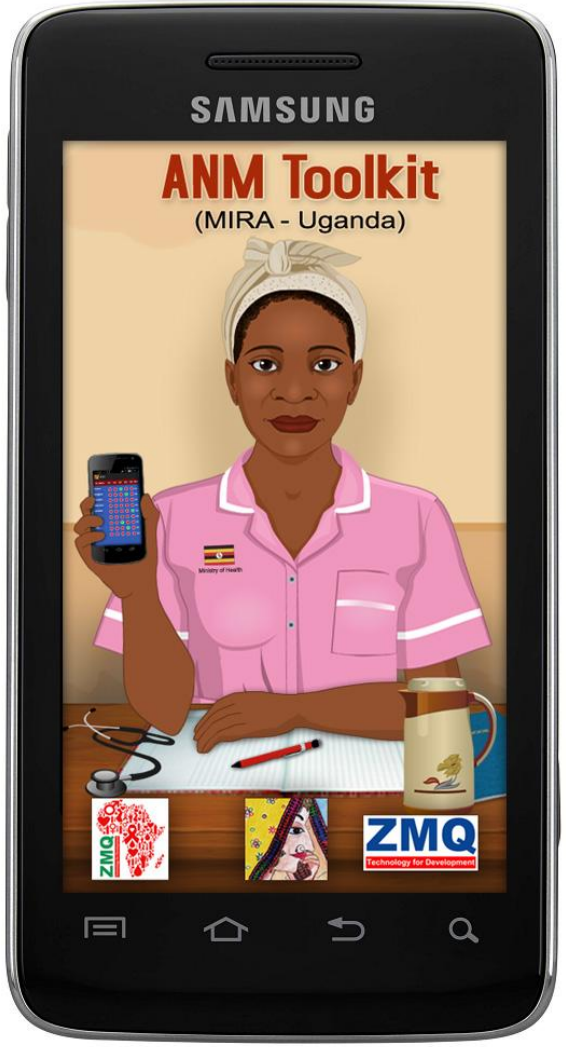
T4D

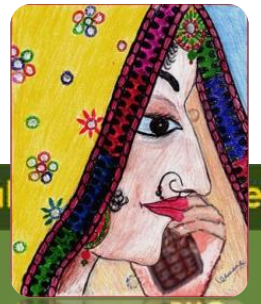
Over 30 System Change Models, Products & Solutions on critical issues like Healthcare, Education and Livelihood

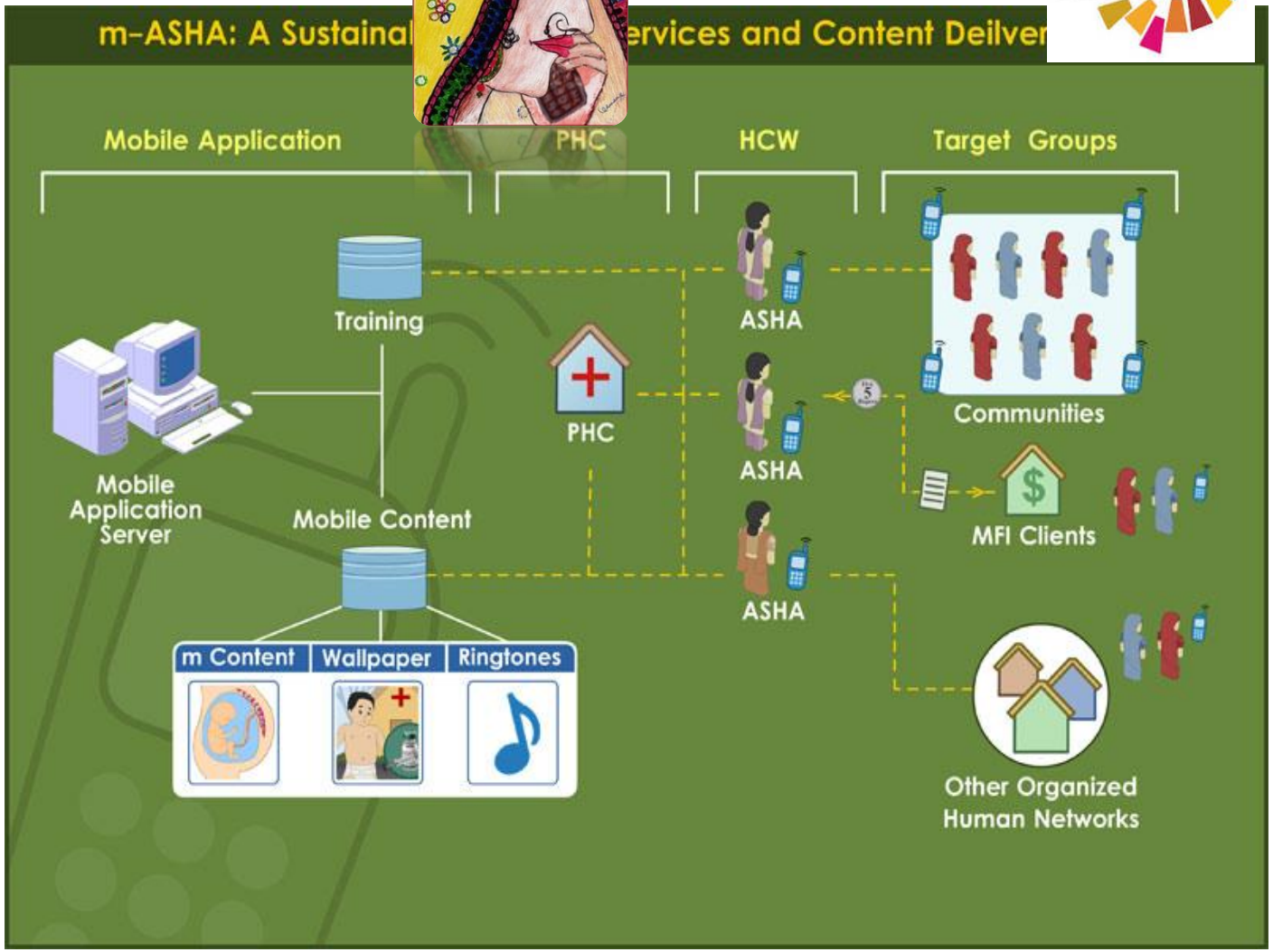
C4D

Behaviour Change Communication Tools and Initiatives on issues like MCH, SRHR, HIV, TB, WASH, Sanitation, Water, Diversity etc.

ZMQ: EXAMPLE #1 OF T4D ' MIRA CHANNEL'







A LAST-MILE mHEALTH SOLUTION FOR MOTHER AND CHILD

ZMQ: EXAMPLE #2 OF T4D ‘ AAJEEVIKA CONNECT’

DISTRIBUTED LIVWELIHOOD CLASSROOM: - SKILLS AND TRAINING OF RURAL SWOMEN

ZMQ: EXAMPLE #3 OF T4D 'ACTS FOR TB'

- **Level I : ACTIVE GROUND BUILDING**
  Learning Tools/ Digital Stories/ Games/ ACSM
- **Level II : ACTIVE CASE FINDING**
  Door to Door / Screening / Testing / Referrals
- **Level III : ACTIVE PATIENT COMPLIANCE**
  Patient tools for Evidence based Reporting - VOT
- **Level IV : COMMUNITY-LED SUPERVISION**
  Group Active Compliance/ Family ACTS / Monitoring
- **Level V : ACTIVE TREATMENT MANAGEMENT**
  OUTB Platform/DMCs/e-TB Units/NIKSHAY Integration
- **Level VI : ACTIVE GROUND ASSESSMENT**
  Spatio-Temp Epd. Model/Integrated Intervention Design System/e-Predict

ACTS: A HOLISTIC MODEL TO COMBAT TB & INFECTIOUS DISEASES

ZMQ: AI4DEV INTEGRATION FOR DEVELOPMENT ALIGNED WITH SDGs

ZMQ: INTEGRATING AI AND NEW TECHNOLOGIES IN T4D

The emergence of *'Digital Twins'* – Artificial Intelligence (**AI**) and Internet of Things (**IoTs**), provides a new opportunity to build robust and auto-improving development solutions.

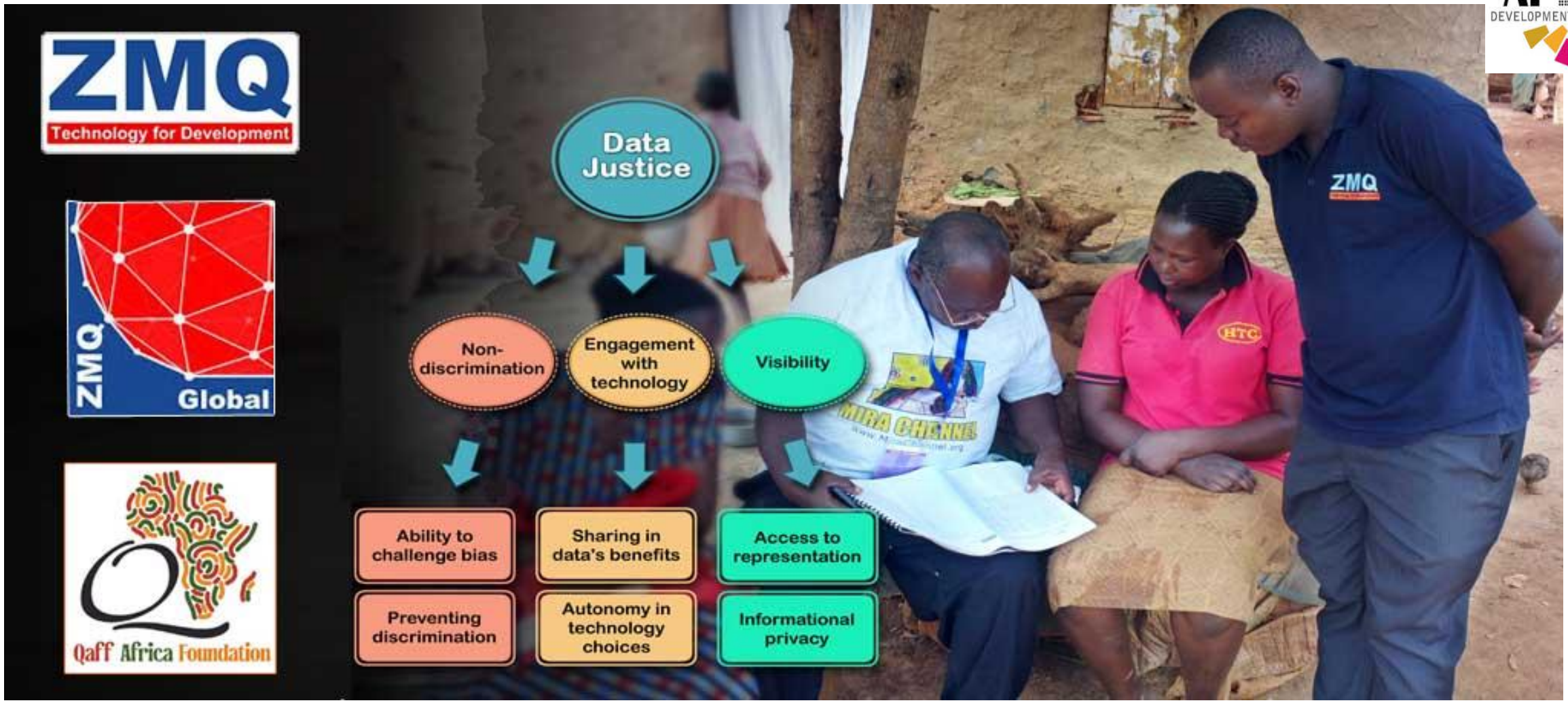
ZMQ: TRIPLE IMPACT MODEL

IoT for DEVELOPMENT

AI DEVELOPMENT

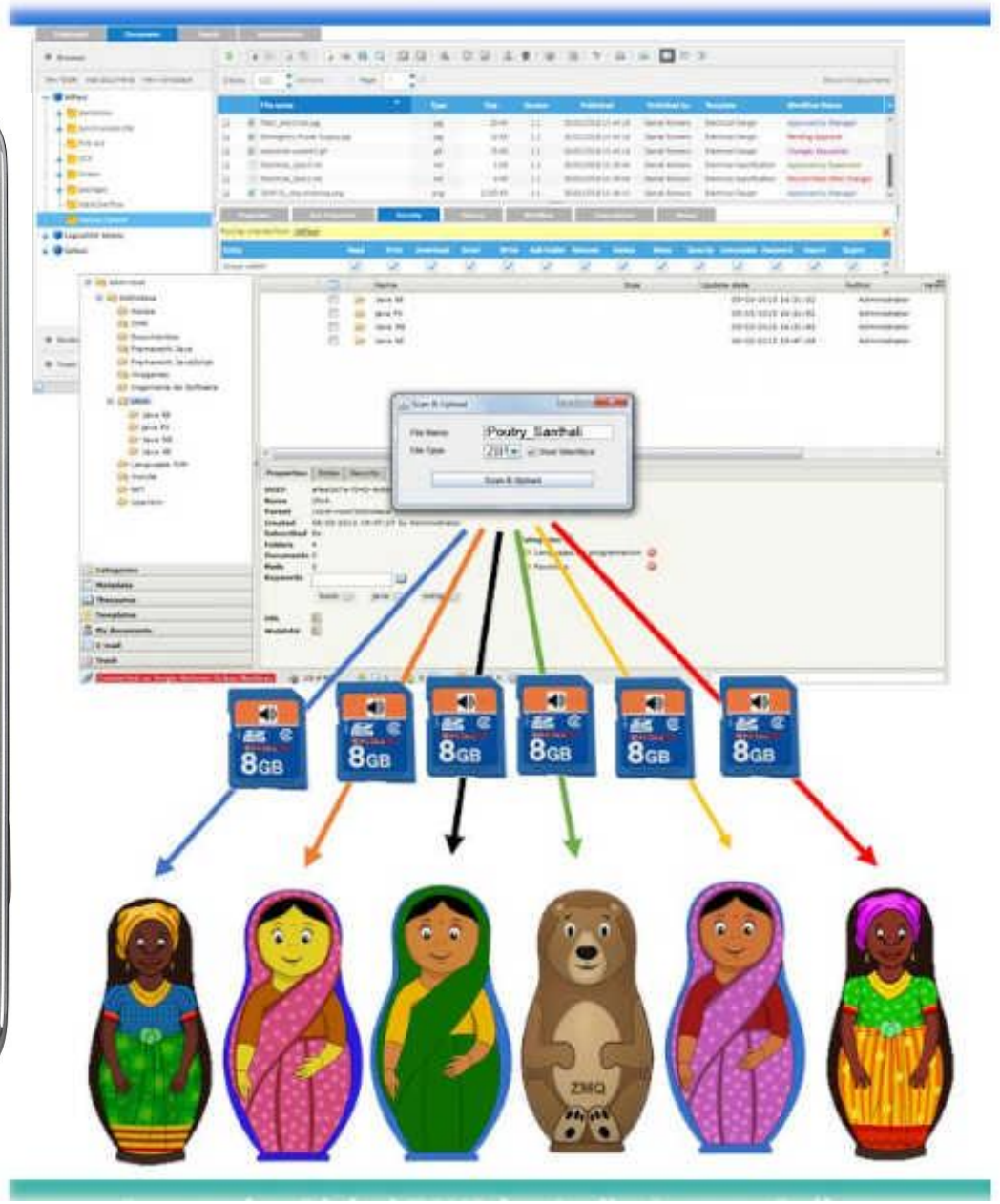
ZMQ Research for Development

ZMQ: PRINICPLES OF DATA JUSTICE



DATA JUSTICE: Data should make visible community-driven needs, challenges, and strengths; be representative of the community; and treat it in ways that promote self-determination of the communities.

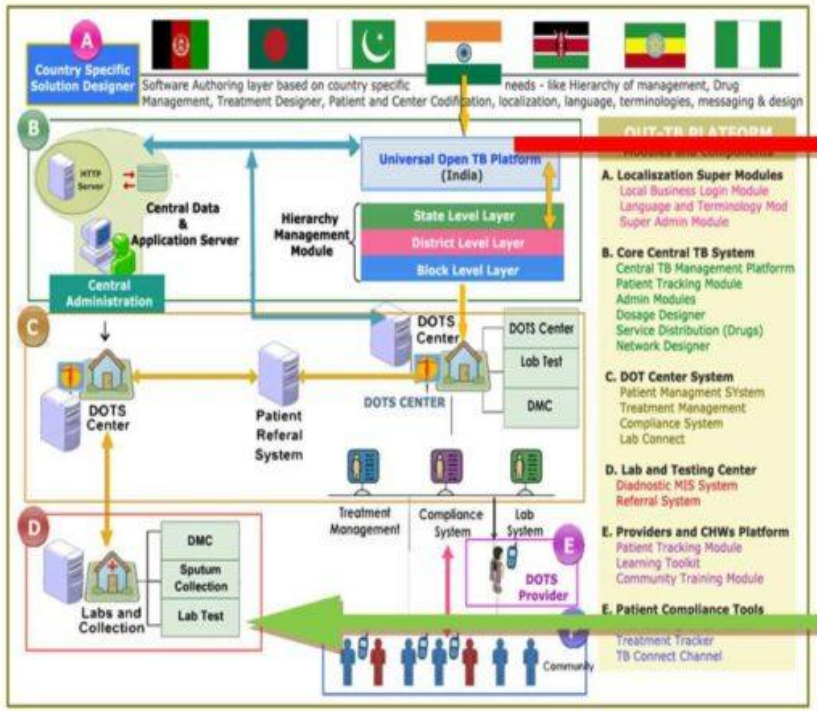
ZMQ: AI4DEV - TOY BOTS IN MIRA PROJECT

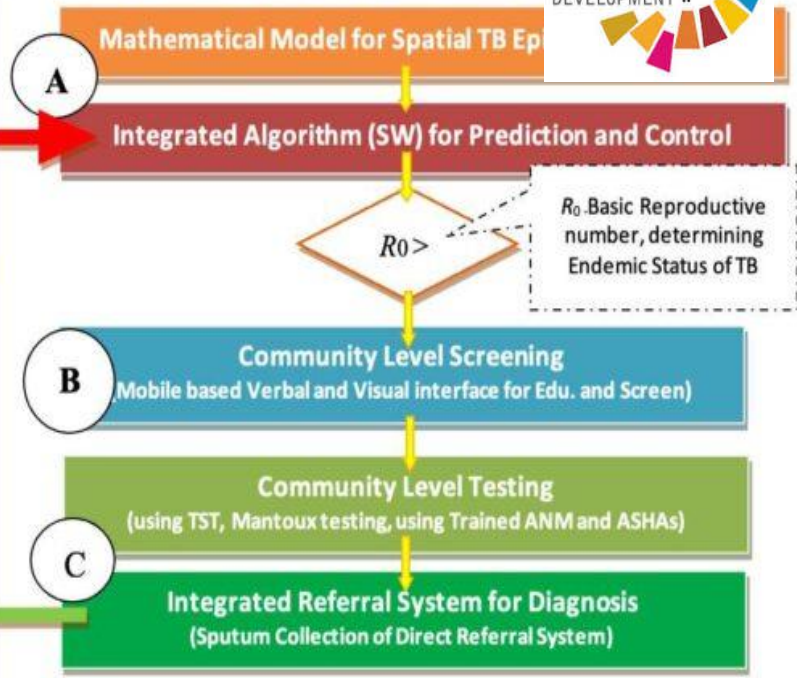


ZMQ: AI4DEV – aGENDER ULTRA SOUND

ZMQ: AI4DEV – AUDIOGENICS FOR CHILDHOOD PNUEMONIA (<6 Months)

ZMQ: AI4DEV – SlumAI

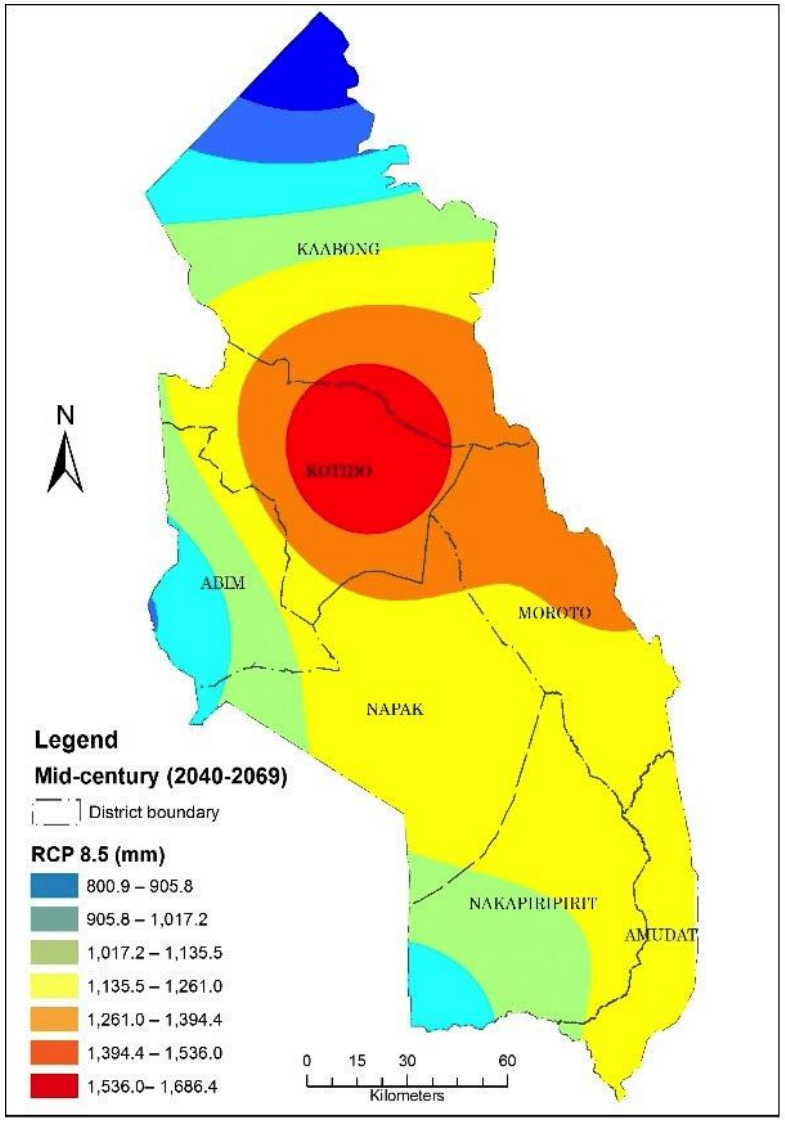


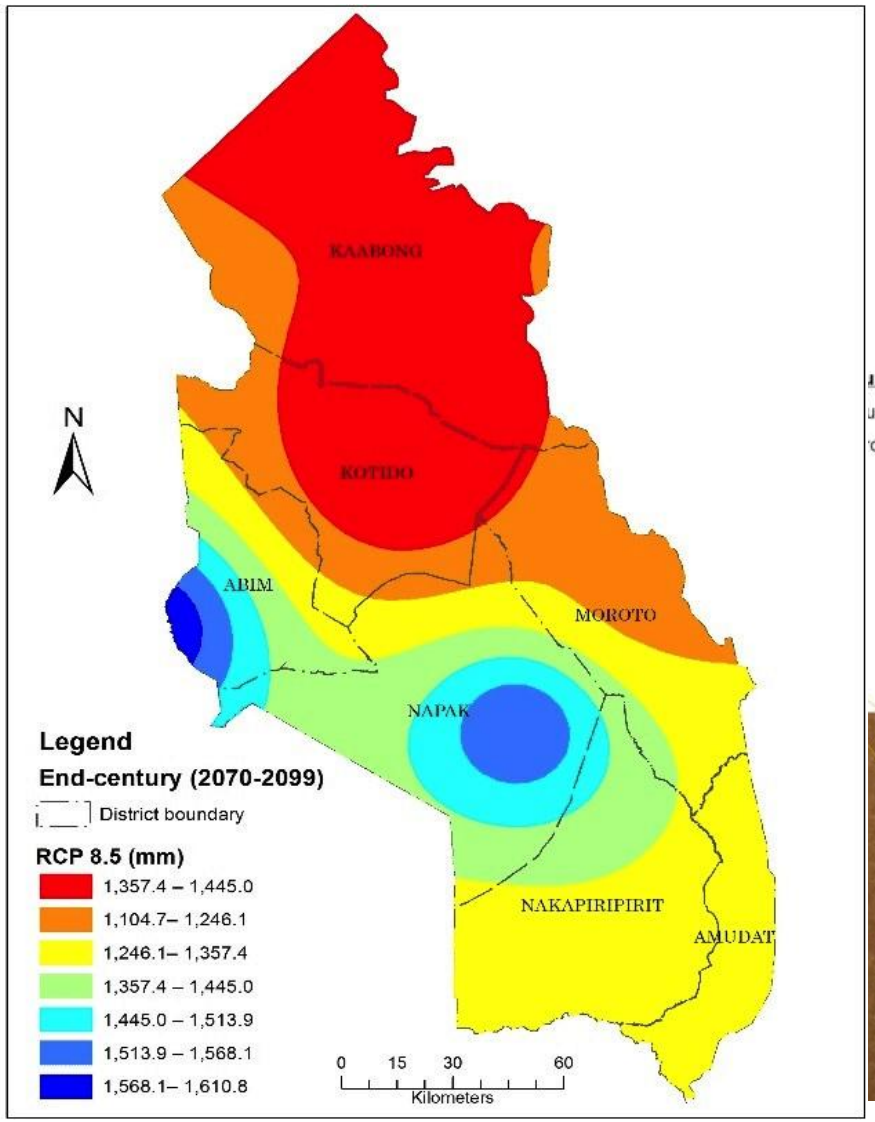


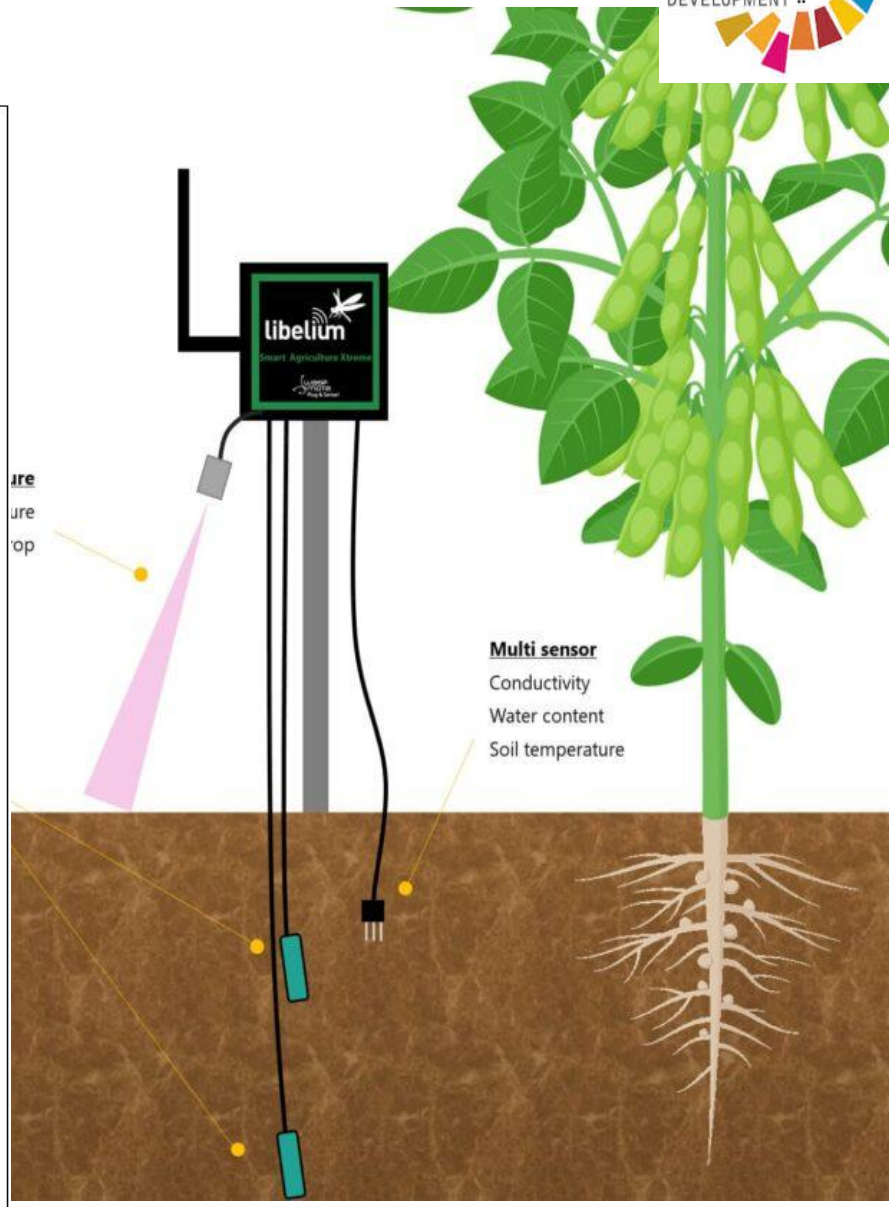
SlumAI: SPATIO-TEMPORAL Mapping of SLUM DATA

An estimated 26% of the world's urban population now resides in slums, which provide the ideal conditions for the spread of communicable diseases, such as Pulmonary dieases, Cholera, Influenza, Measles and others. Consequently, such slums serve both as incubators and reservoirs for potential outbreaks.

ZMQ: AI4DEV – CLIMATEXAGRI – KARAMOJE in UGANDA







THANK YOU!

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