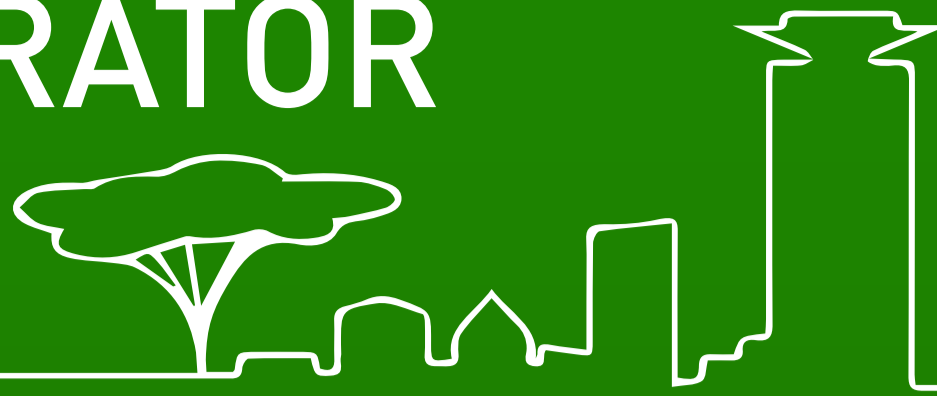


AUGUST 31  
2020

# VIRTUAL AFRICA HACKCELERATOR



## Problem Statements - 4 Focus Areas



### Healthcare

Solutions that address healthcare problems under the pandemic, including contact-tracing, rapid information sharing, addressing the needs of healthcare workers among others.

#### Problem Statements

- How might we create genuine awareness amongst the population on COVID-19 and mitigate against fake news?
- How might we train the general population on COVID-19 promptly to allow them to protect themselves, and give proper home-based care for suspected and confirmed patients?
- How might we empower health systems capacities for contact tracing?
- How might we create integrated platforms that allow for the real-time sharing of crucial data between all the players in the healthcare ecosystem, i.e. Patients, Hospitals, Insurance Companies, Ministry of Health, etc.?
- How might we recognize and reward individuals and entities fighting against COVID-19 spread?
- How might we prompt, receive and process feedback from the population on the fight against COVID-19 spread?
- How might we build an efficient (low cost or automated) platform that can be used for booking and dissemination of COVID-19 tests and results, as well as keep track of available bed space in the hospitals and quarantine centers?
- How might we incentivize young children to practice measures that control and contain the COVID-19 disease?
- How might we create a sustainable supply chain for protective equipment (PPE) for the healthcare workers?
- How might the government leverage the data from an integrated healthcare management system to drive insights on comorbidities and their management in relation to pandemics? (To better manage the population with underlying conditions, efficiently disseminate information that could be critical and provide an insight on the dos and don'ts in relation to pandemics)
- How might a rule-based Interactive Voice Response (IVR) solution be leveraged to register, assess, triage, track and remotely monitor COVID-19 patients and thus reduce the burden on hospitals?
- How might we provide innovative preventive, diagnostic and curative measures to tackle the pandemic?



### Digital Payments

Solutions that address scalable digital payments to support cashless banking, cash transfers to support the vulnerable and other pandemic-related payment activities.

#### Problem Statements

- How might we provide relevant, real-time information on essential goods and services availability and accessibility, including pricing, with minimal or no physical contact?
- How might we enable governments and other entities to seamlessly and efficiently disburse cash transfers for food and other basic needs to vulnerable communities across remote areas?
- In the wake of the COVID-19 situation, many small traders have resorted to selling their products directly to consumers due to closure of markets in some instances. How would we provide a contactless physical marketplace that addresses the need to maintain social distancing?
- How might we successfully implement a cashless solution within the public transport sector?
- How might we introduce strong customer authentication on digital payments on the provided digital channels while enhancing customer experience?



### Economic Recovery

Solutions with a potential to spur SMEs and other economic sectors towards economic recovery following the COVID-19 pandemic.

#### Problem Statements

- How would we provide a value chain solution to spur SME business while ensuring the retailer and consumer are able to participate effectively?
- How might we improve efficiency within the SME sector in the capturing, recording and management of their financial records?
- How might we assist SMEs harness and innovate around data to make data-driven decisions in the running of their establishments?
- How would we aggregate data from SMEs and consumers to provide new solutions and experiences?
- How might we empower SMEs to access information and knowledge to sustain their business amidst COVID-19 restrictions?
- How might we improve supply chain practices to scale new business models for SME-market connections?
- What technology solutions can be used to provide training for SMEs on COVID-19, merchandizing and capturing accurate financial data that can be used for credit assessment and other economic stimulus initiatives?
- How might we support SMEs and other economic players to begin a recovery process?
- How might we enable the entities in the informal sector acquire digital skills for the future of work?
- How might we enable effective distance learning for children and students in the remote areas?
- How might we identify genuine vulnerable members of the population for government support during COVID-19 pandemic?
- How might we effectively monitor usage of the disbursed funds to the vulnerable population due to COVID-19 disease?
- How might we better track economic recovery data to enable businesses to make informed investment decisions?
- How might we create data-driven stimulus packages to spur economic recovery primarily focusing on local essential goods/services companies that have been adversely impacted during this period?
- How might we leverage on technology to facilitate cross border trade/movement of goods under COVID-19? (Aims at solving for inefficiencies and delays observed at borders due to testing of truck drivers by various countries)
- How might we track COVID-19 social payments and loan disbursements to ensure they benefit the targeted populations and businesses?
- What solutions can be built for matching demand for agricultural products in urban areas against significant supplies in rural areas to reduce wastage during COVID-related lockdowns?
- How might we identify and utilize excess real estate space for during the COVID-19 pandemic?



### General

Any other solutions which enable financial institutions to build resilience to crises (both man-made and natural) and promote sustainable development outcomes.

#### Problem Statements

- How might we strengthen resilience of financial institutions to handle pandemics and cushion economies?

Organized by:

Fintech for Good: Harnessing FinTech in addressing COVID-19 effects on healthcare, digital payments and economic recovery



AFRO-ASIA  
FINTECH  
FESTIVAL

SINGAPORE  
FINTECH  
FESTIVAL

Partners:



JOIN US

[fintech@centralbank.go.ke](mailto:fintech@centralbank.go.ke)

[www.afroasiafintech.net](http://www.afroasiafintech.net)

@AfroAsiaFinTech

