



[@unicefinnovate](https://twitter.com/unicefinnovate)

Innovation Fund

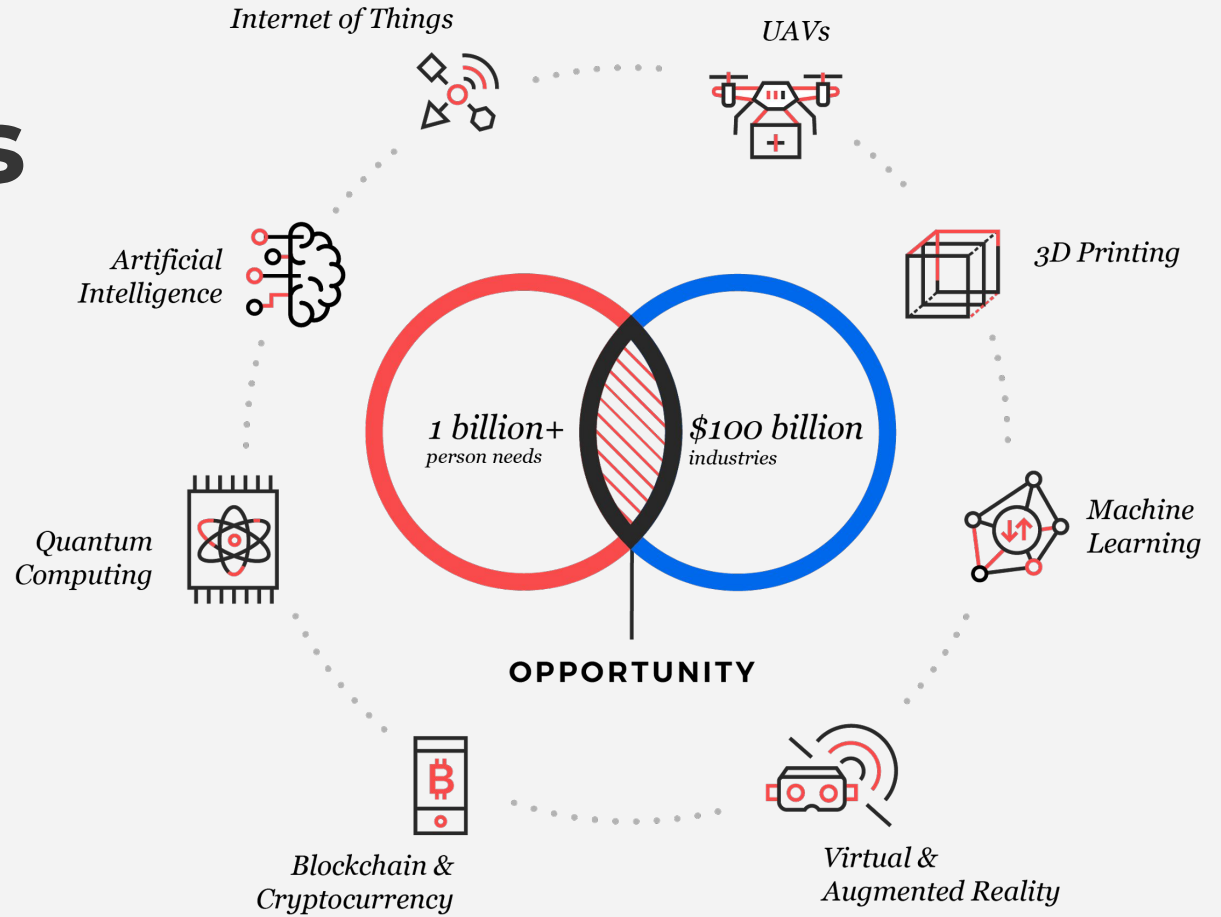
The UNICEF Innovation Fund invests in companies developing open source technology solutions that can improve the lives of children.



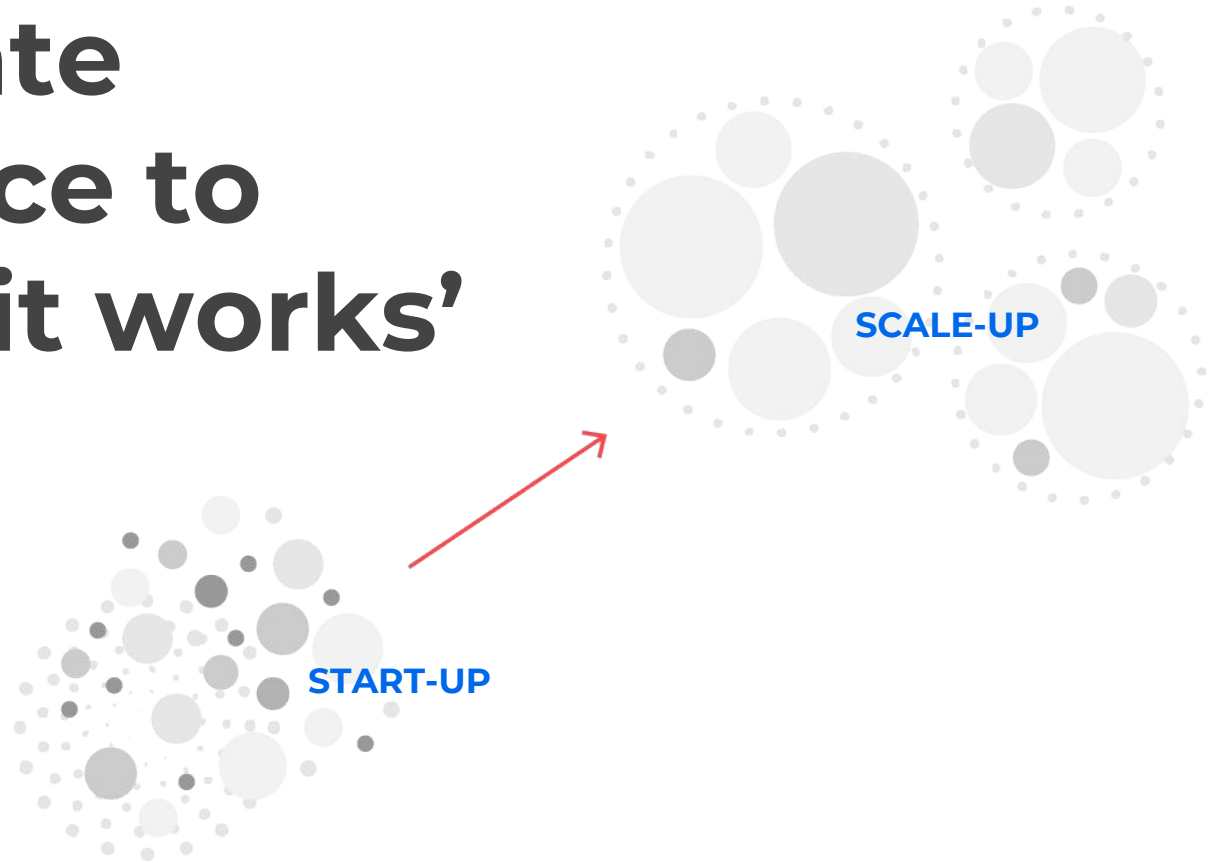
\$14.4 Million

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Frontier tech areas



**Generate
evidence to
prove 'it works'**



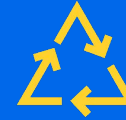
Principles of Innovation



design with
the user



build for
sustainability



reuse and
improve



understanding the
existing ecosystem



be data
driven



do no
harm



design for
scale



use open
source




be
collaborative

Monitor progress in real time data



UNICEF Innovation Fund in Perspective



	VC Fund	UNICEF Innovation Fund	Philanthropy Grants
Investees	Private Companies	Private Companies	Non-Profit Organizations
Funding	\$ Investment trenched / performance based	\$ Investment trenched / performance based	Grants
Management Involvement	Continuous through board participation (optional)	Continuous through mentoring and connections	Agreement of deliverables and conditions of grant before \$ disbursement
ROI	Equity %	Open source IP Social Impact	Social Impact
Assessment Criteria	Financial statements	Real-time data: Financial, Technological and Social	Social Metrics
Financial Source	Investors	Donors	Donors
Post-funding	Yes	Yes	No

Investments to Date

Current Portfolio

14 portfolio companies, 1 exit

Investment:

IoT UAVs

VR Blockchain

AAC AI & Data Science

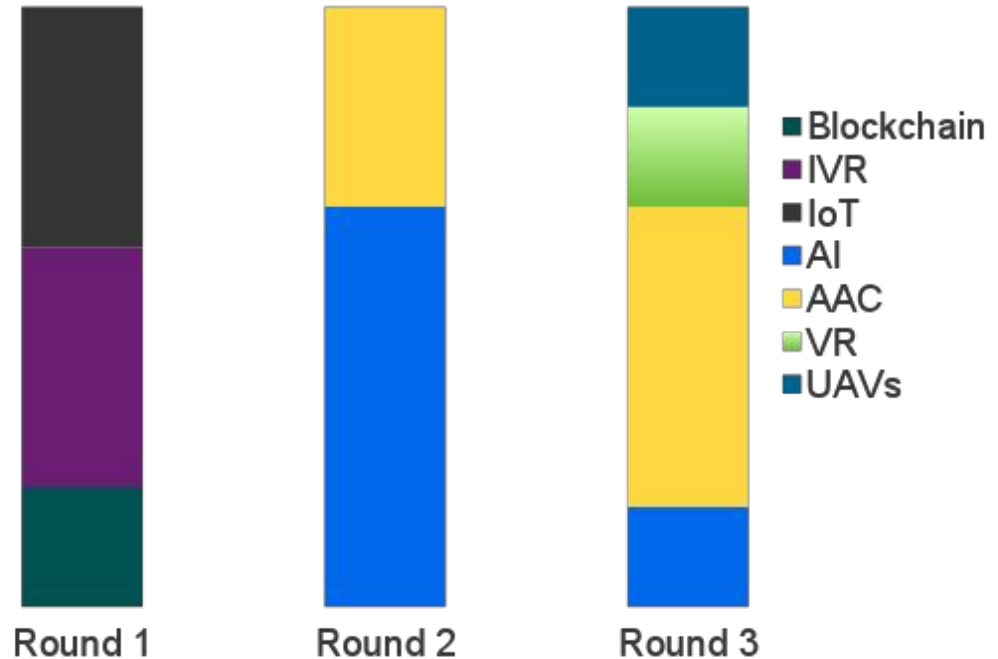
To date:

Round 1 Dec 2016: 5 companies

Round 2 Jul 2017: 3 companies

Round 3 Dec 2017: 6 companies

1 AAC Cohort



AmPLY

Digital registration and smart contracts linking \$ to verifiable attendance

Investment:

**Development of platform
Testing with 50k records**

Model:

**SaaS fees
Transaction fees
Project fees**

Artificial Intelligence

KIMETRICA

MERON: map face structure to BMI to detect malnutrition

Investment:

Field data collection

Training model

Refine accuracy against current tools

Model:

Subscription model

Customised model

Ilhasoft

Push: web platform chatbot for real-time interactive information

Investment:

Develop multiple languages NLP

Integrate with Rapidpro

Propagation for SaaS

Model:

SaaS Fees

RedCrow

NLP platform using AI and social networks to provide risk intelligence

Investment:

Develop Arabic language NLP with multiple dialects

Classification features

Model:

Free download

Subscription model

AAC

Yuudee

Help children with autism
develop complex sentence
structures

Investment:

Prototype

User testing

Android & iOS development

Model:

Free download

CIREHA

Cboard: communicate by
symbols and text-to-speech

Investment:

User testing

Android & iOS development

PC and Mac cloud

Model:

Free download

Ninaad Digital Technology

Jellow: using icons to enable
speech for children with speech
impairments

Investment:

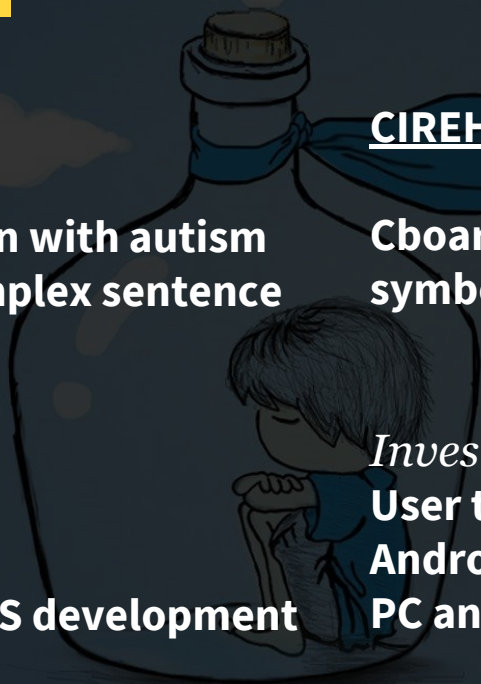
User testing

Indian language abilities

Content customisability

Model:

Free download



Platforms

Magic box



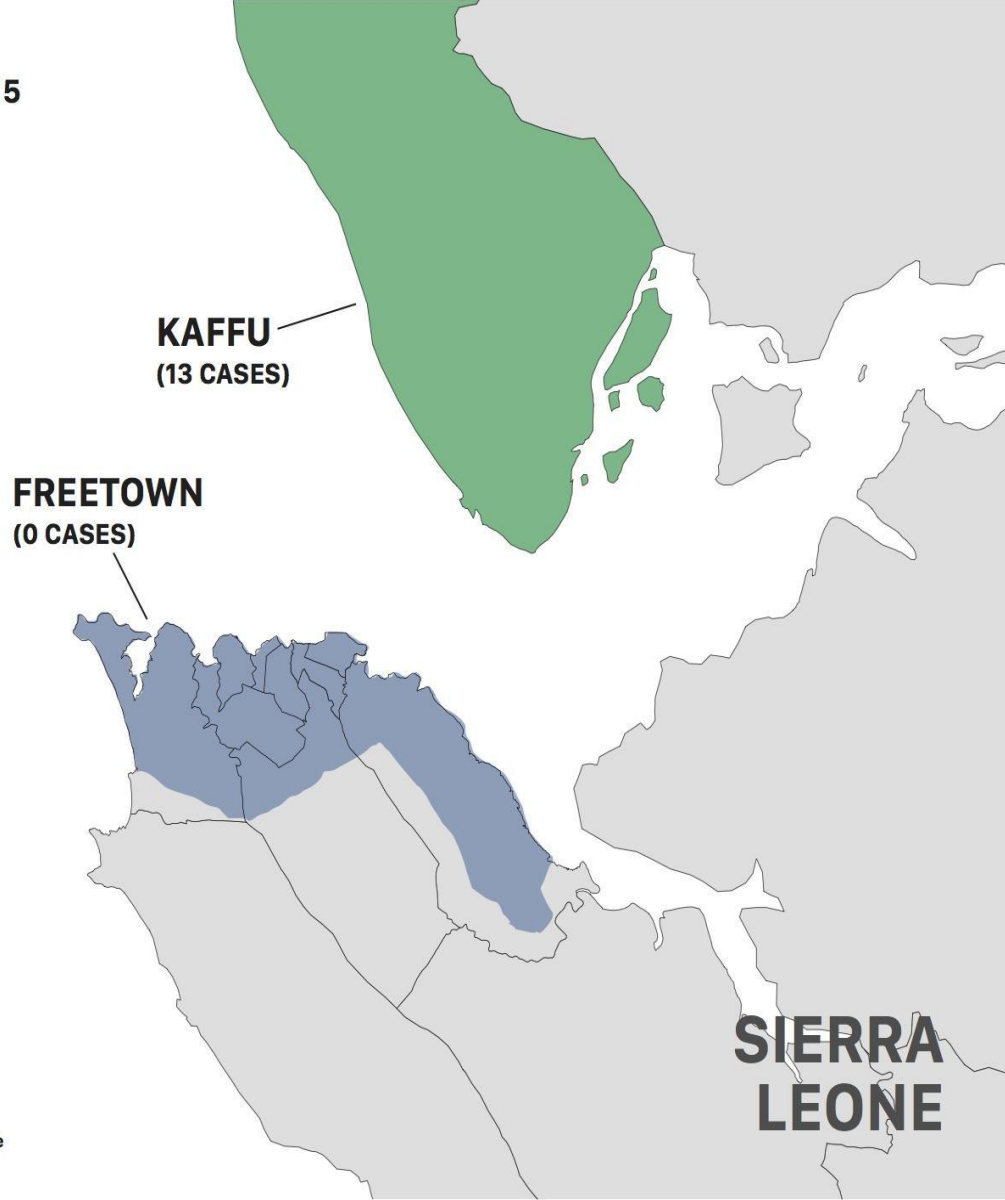
Ebola



Week 0: 14th June, 2015

Kaffu reported
13 cases of Ebola
over two weeks

Freetown reported
no cases for over
two weeks

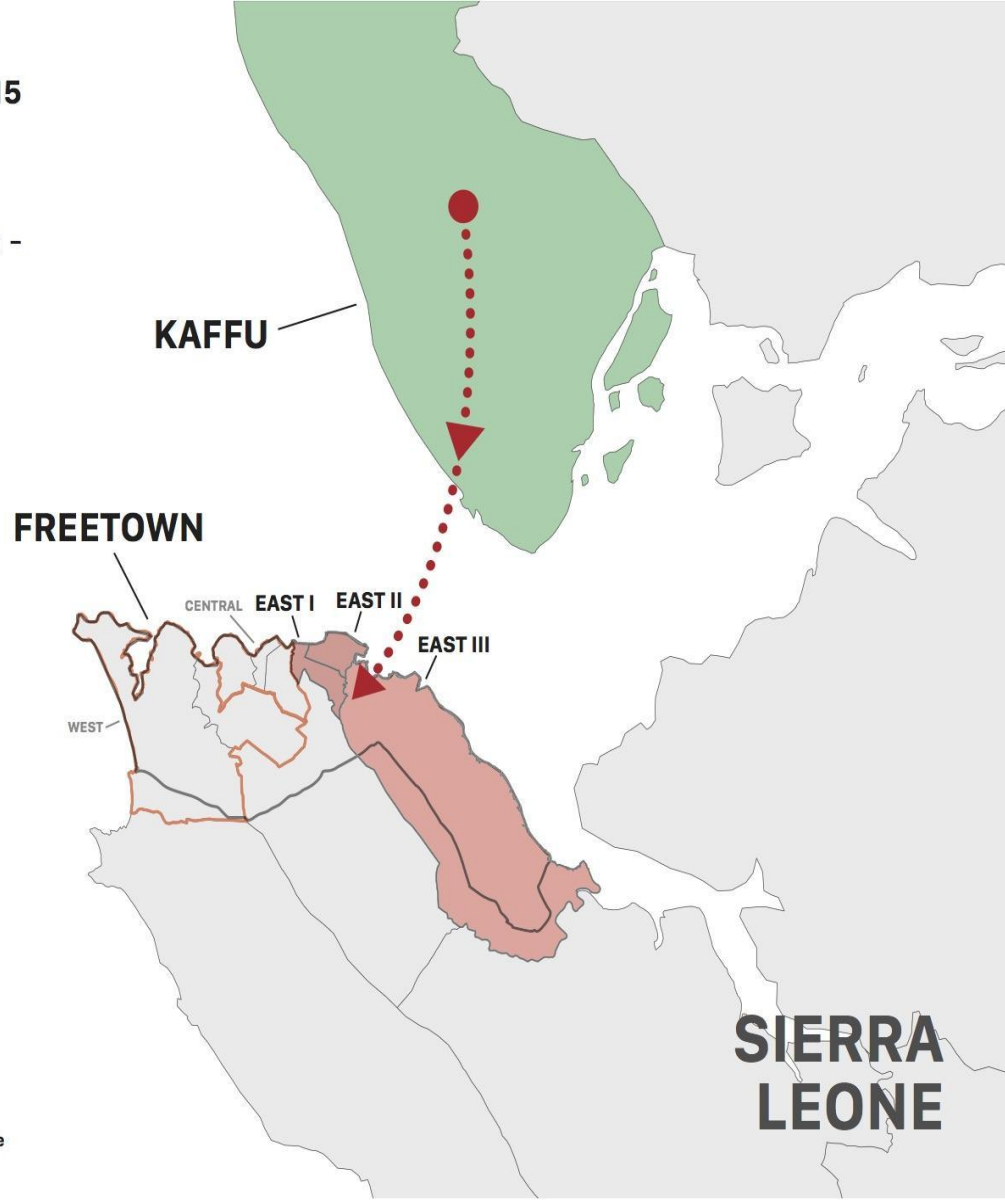


Ebola



Week 0: 14th June, 2015

41% of people from Kaffu travel to two chiefdoms in Freetown - East II & East III

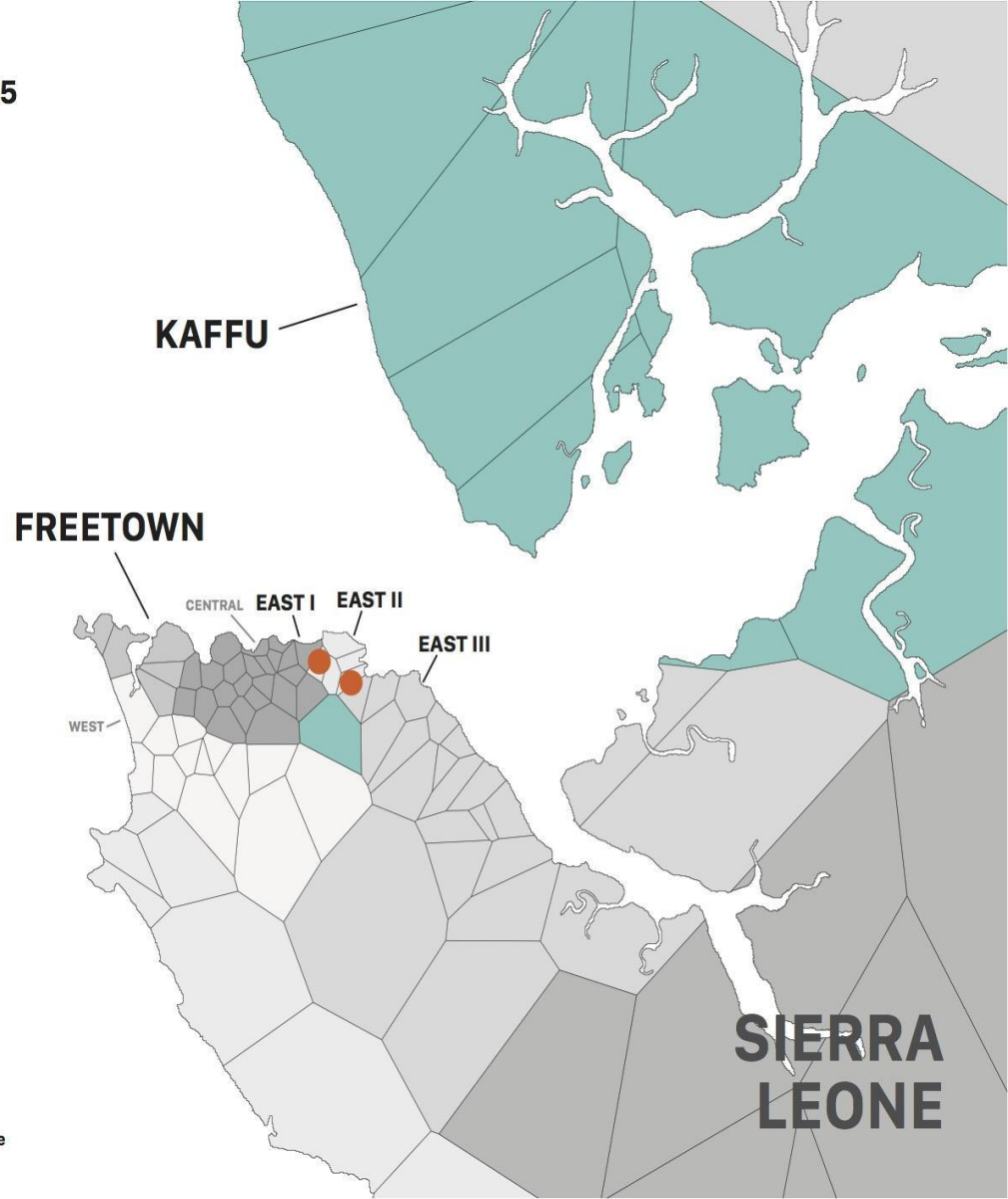


Ebola



Week 2: 21st June, 2015

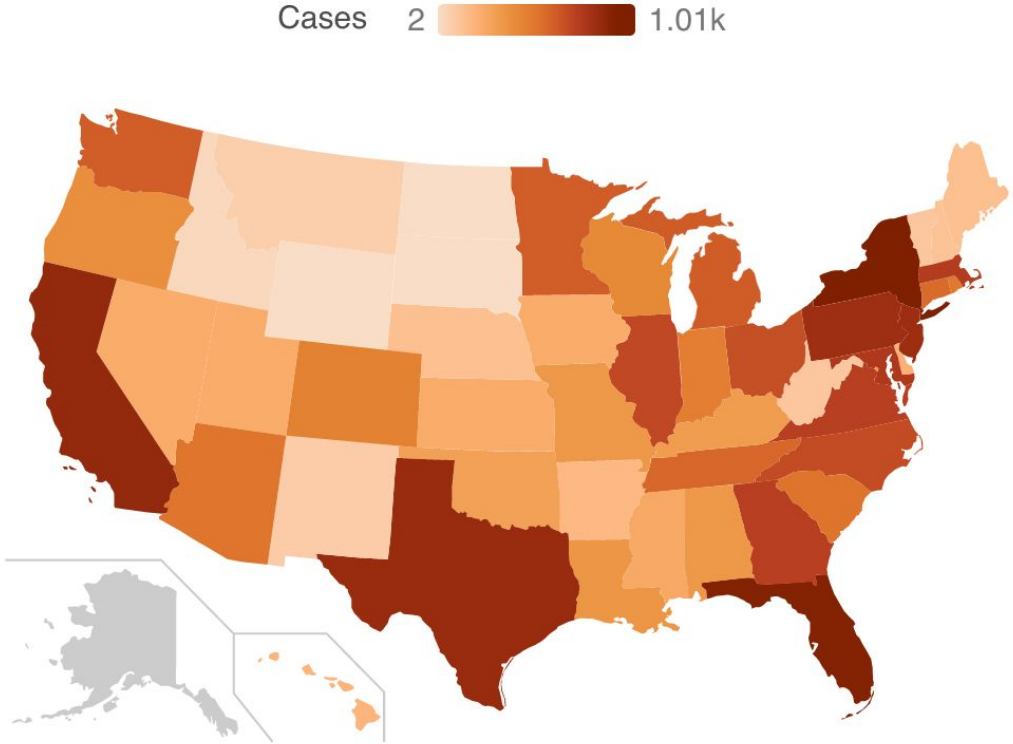
New cases
of Ebola in
East II ●



Zika



*CDC data as of
February 1, 2017*



Source: DirectRelief and CDC

Zika



*6 months earlier UNICEF
Data Science Prediction in
August, 2016*

AMADEUS

Google

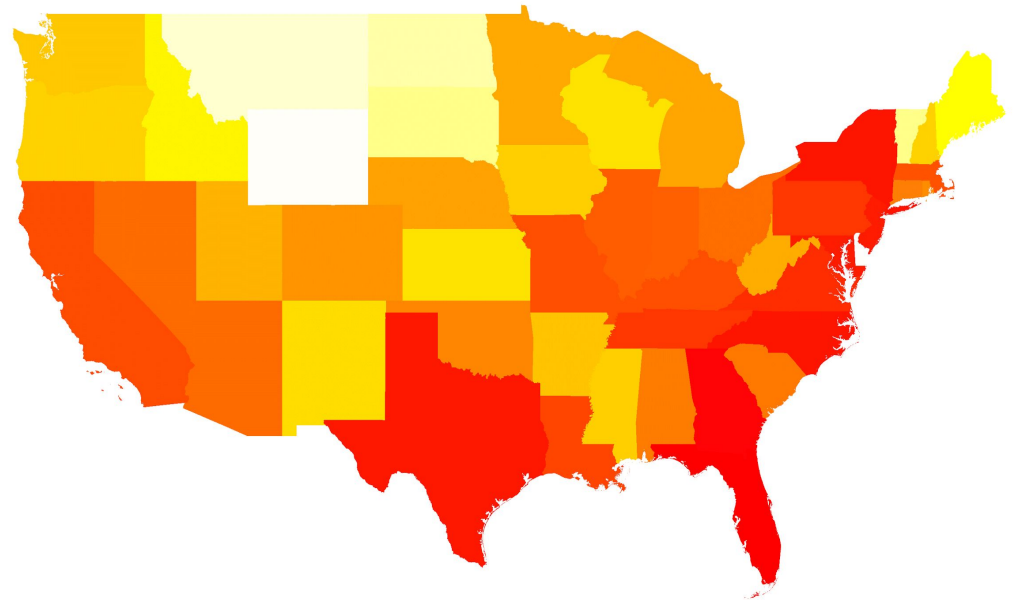
IBM | The Weather Company

world pop



Telefonica

Bloomberg

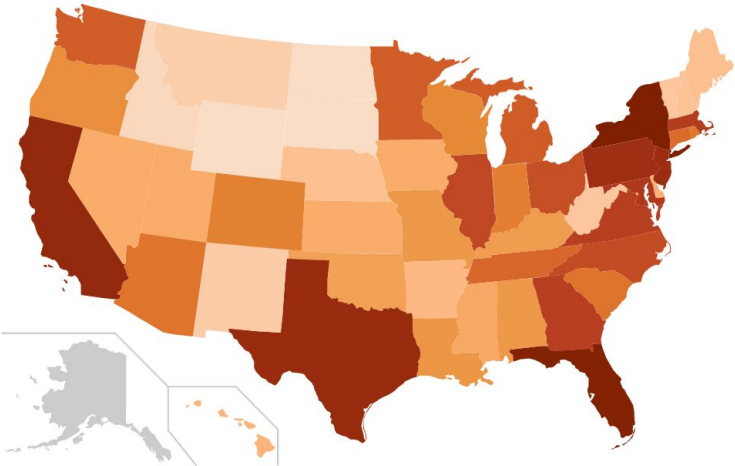


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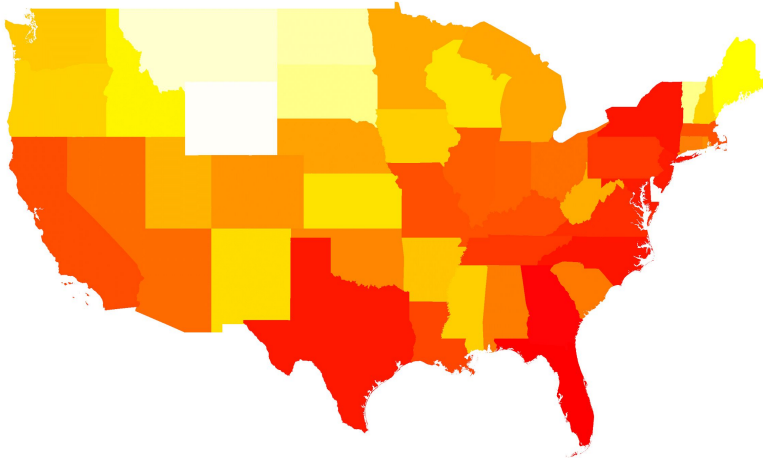
Zika



Cases 2 1.01k



CDC in February 1, 2017



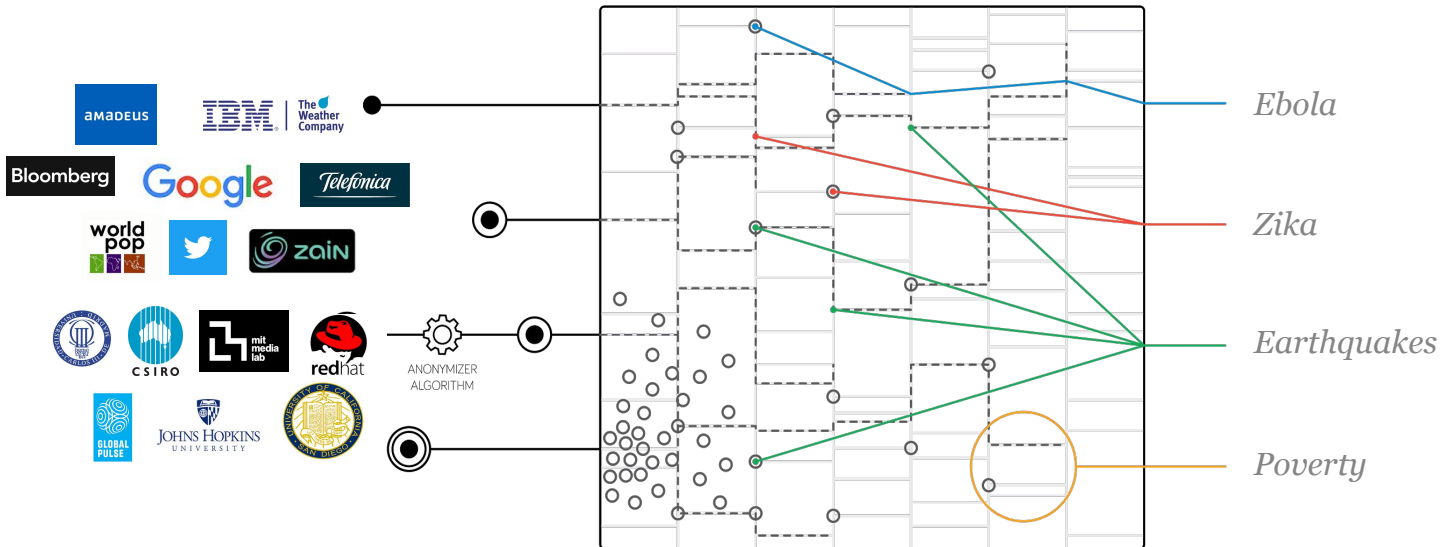
UNICEF in August, 2016

Magic box for collaboration



Data in

Insights out

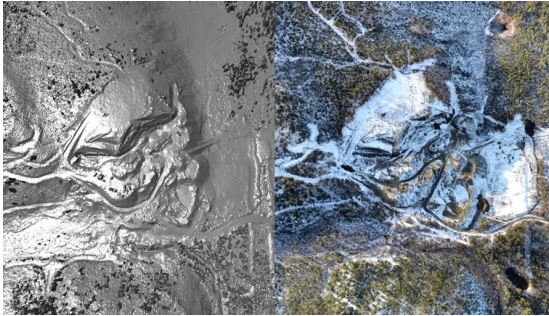


A white quadcopter drone is flying in the upper center of the frame against a bright blue sky filled with large, white, fluffy clouds. Below the drone, a group of about ten people, including men, women, and children, are gathered in a grassy field. Some are standing on a small mound of reddish-brown earth. The background shows a flat landscape with scattered trees under a clear sky. The overall scene suggests a community event or a demonstration of drone technology in a rural or agricultural setting.

Drones for Good

The role of drones

IMAGERY



Landslide risks
Water resources
Damage assessments
Counting Displaced people

CONNECTIVITY



Post-emergency cell/Wi-Fi
Air Coordination UTM

TRANSPORT

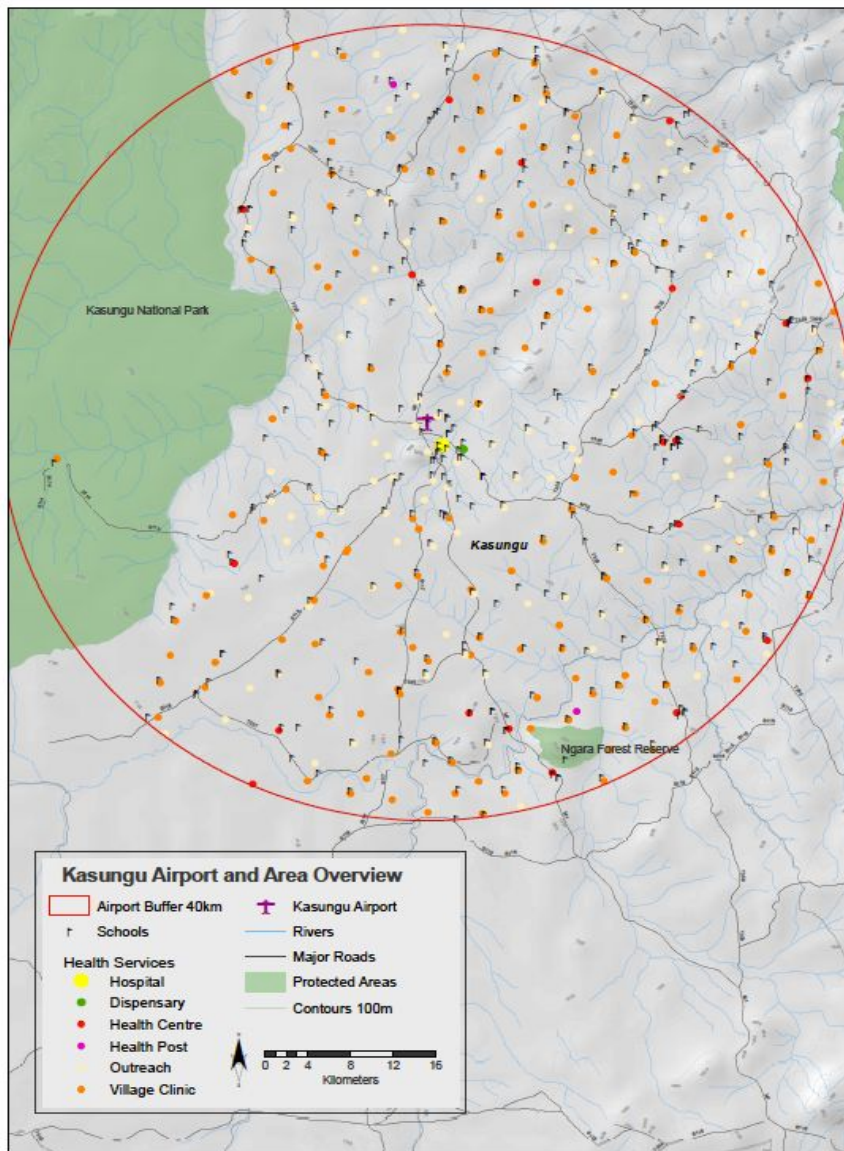


Supply Chain efficiency
Rapid disease diagnosis

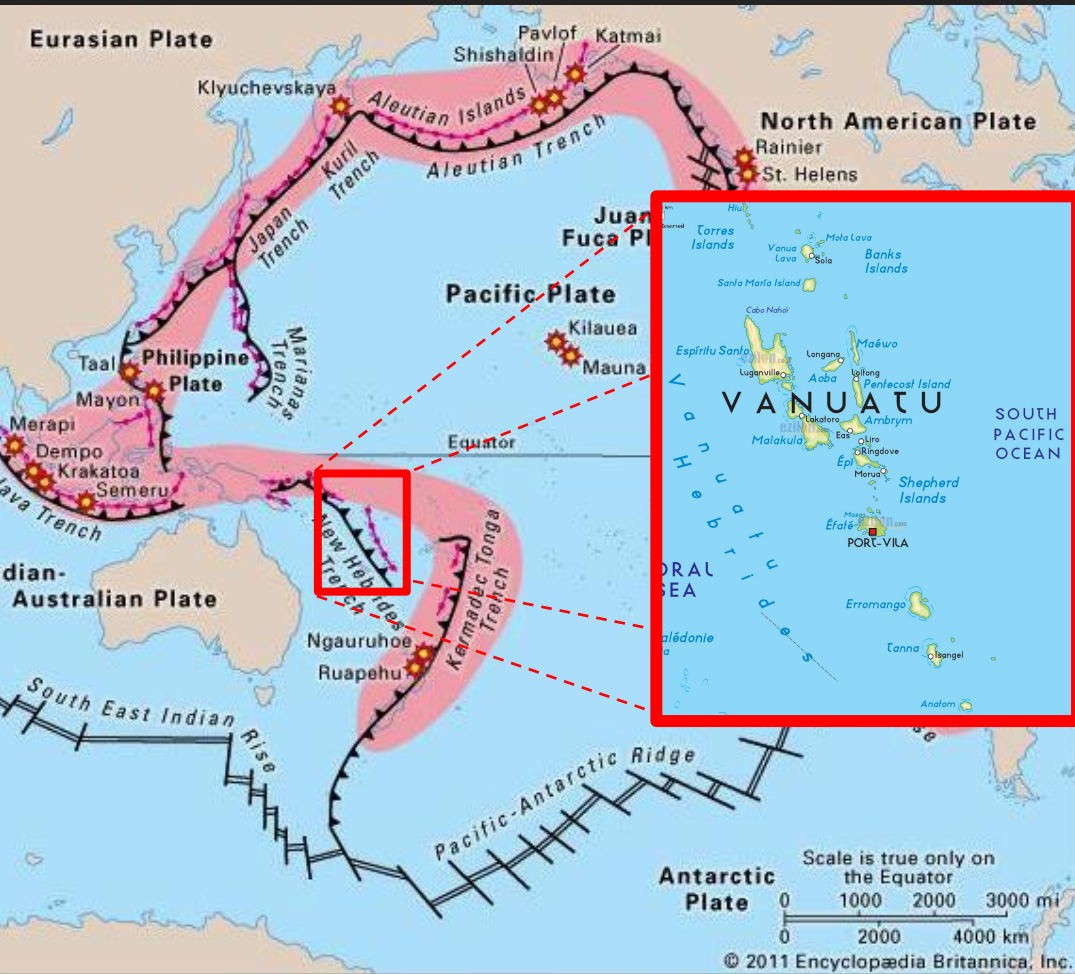
Kasungu corridor

40 km radius, 400 meters AGL (!!)

- 1 central hospital laboratory;
- >300 schools, health centers, clinics
- National Park partially covered
- **Population: 480,700 people**
- **≈15 villages within reach per flight**



Vanuatu, Pacific Islands



- Archipelago of 83 islands
- ✓ 65 inhabited
- ✓ only 20 have airfields and road infrastructure
- Main transport is by sea



\$50-\$90,000 in equity-free seed capital

Current Investment Opportunity

Investment beyond financial

- *Product and technology development*
- *Network with relevant stakeholders*
- *Access to UNICEF experts across Country Offices*
- *Guidance from business mentors and advisors*
- *Additional investment connections*
- *Maximize impact on children's lives*

Selection Criteria

- *You must be registered as a private company in a UNICEF programme country*
- *You're working on open source technology solutions or willing to be open source*
- *You have an existing prototype & promising results from initial pilots*
- *You are working with one of the frontier technologies*
- *Your solution has the potential to positively impact the lives of the most vulnerable children*

Application details

<http://unicefstories.org/unicefinnovationfund/>



<http://unicefstories.org/blockchaincall/>

2018 Challenge?

- 1) **Build a diverse portfolio**
- 2) **Fundraise**
- 3) **Follow-on investment and networks for portfolio start-ups**

Thank You

