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

$14.4 Million
Frontier tech areas

- Internet of Things
- UAVs
- 3D Printing
- Machine Learning
- Quantum Computing
- Artificial Intelligence
- Blockchain & Cryptocurrency
- Virtual & Augmented Reality

Opportunity

1 billion+ person needs
$100 billion industries
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

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Monitor progress in real time data
## UNICEF Innovation Fund in Perspective

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<th>VC Fund</th>
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<th>Philanthropy Grants</th>
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<td>$ Investment trenched / performance based</td>
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<td>Continuous through board participation (optional)</td>
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<td>Yes</td>
<td>Yes</td>
<td>No</td>
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</table>
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

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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
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

Mapping Movement to stop the next pandemic
Ebola

**Week 0: 14th June, 2015**

Kaffu reported 13 cases of Ebola over two weeks.

Freetown reported no cases for over two weeks.
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 

- KAFFU
- FREETOWN
- EAST I
- EAST II
- EAST III
- WEST
- CENTRAL

SIERRA LEONE

Real-Time Mobility Data for Ebola Response
Zika

CDC data as of February 1, 2017

Source: Direct Relief and CDC

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Zika

6 months earlier UNICEF Data Science Prediction in August, 2016

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Zika

CDC in February 1, 2017

UNICEF in August, 2016
Magic box for collaboration

Data in

Insights out

Ebola
Zika
Earthquakes
Poverty

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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

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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
Current Investment Opportunity

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

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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

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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