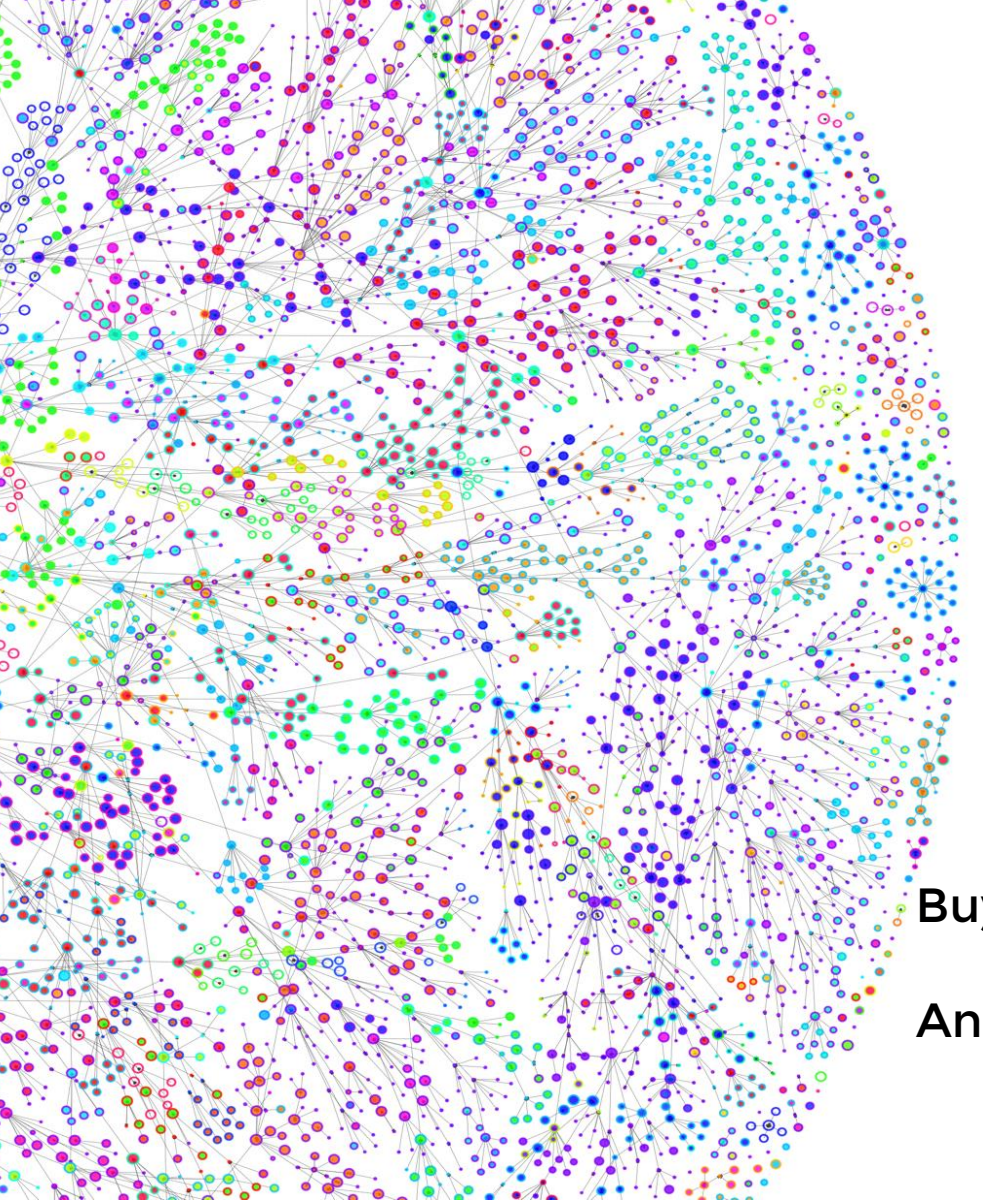
Blockchain @ UNICEF

Presentation by Christina Lomazzo (clomazzo@unicef.org)

July 2019



UNICEF Stats

190 offices

7.7B USD/year

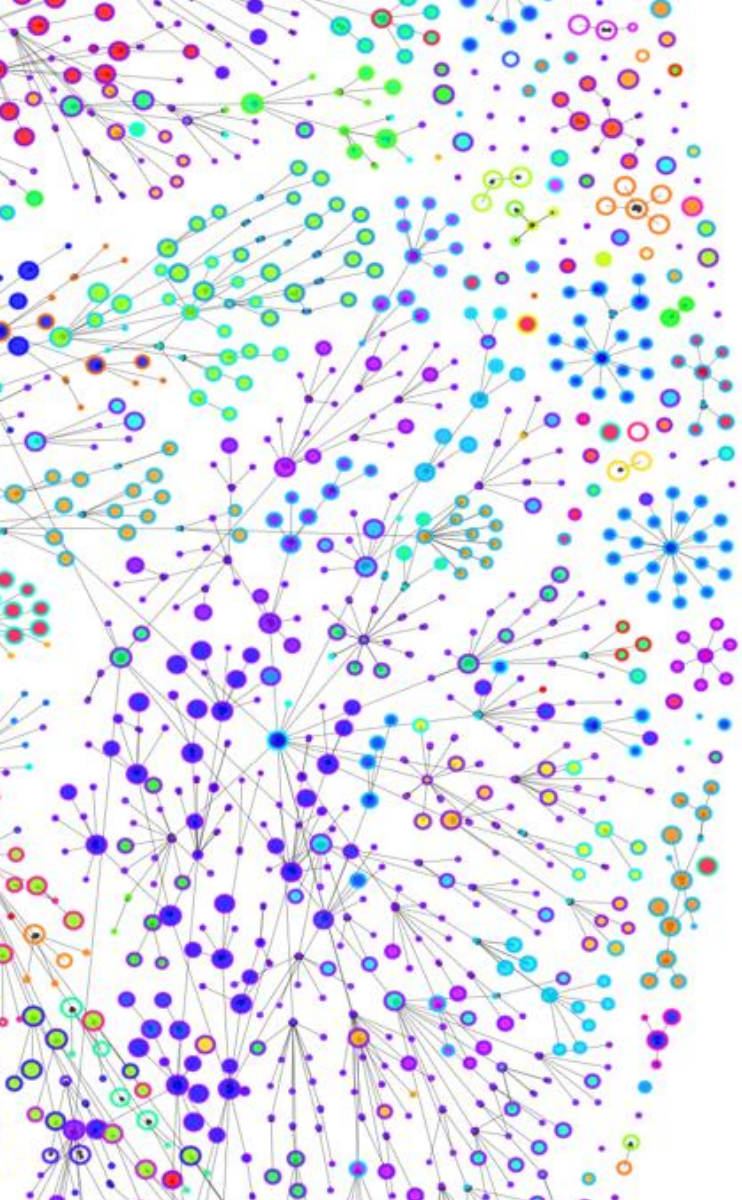
12,000 staff (88% in the field)

> 70 years old

In >300 emergencies in 2017

Buyer of ~34% of the world's vaccines...

And largest single purchaser of pencils



Our Blockchain History

2015 - Digital ID on Bitcoin blockchain...

2016 - First multi-sig contract & Ethereum node...

2017 - Hackathons (*Kazakhstan & Mexico*)...

2018 - Acceptance of crypto (*France, Australia & more*)...

CASE STUDY

UNICEF France: Crypto Campaign

In early 2018, UNICEF France ran a fundraising experiment to accept cryptocurrency. The campaign called Game Chaingers, allowed gamers to mine cryptocurrency and donate it to the NatCom.

- The campaign raised 85 ETH and the NatCom was **positioned as an innovative group** within France.
- After the campaign, the NatCom **expanded the number of cryptos it accepts** to nine different ones.

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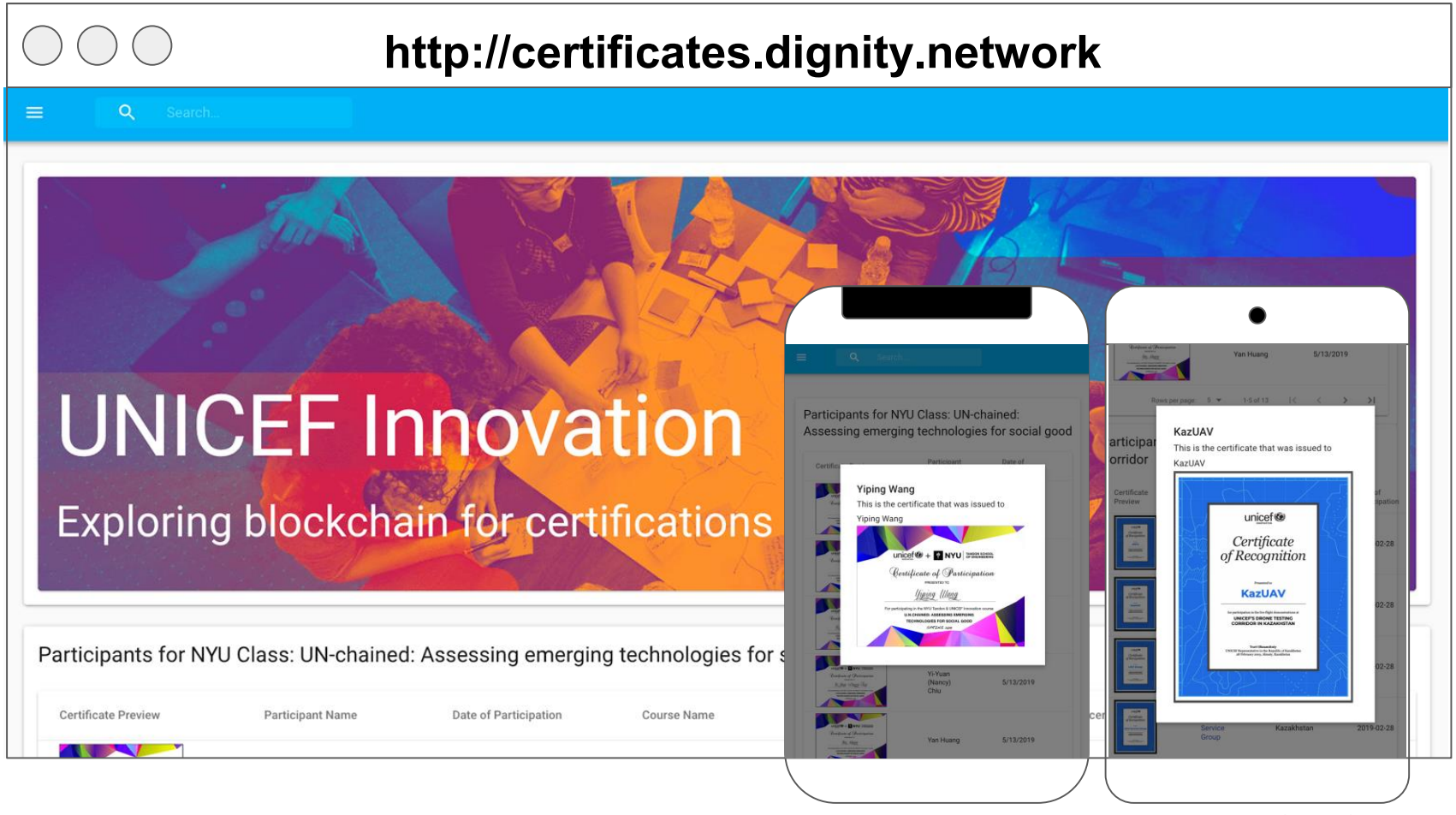
CASE STUDY

http://certificates.dignity.network



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INNOVATION

Certificate of Recognition

Presented to

KazUAV

for participation in the live flight demonstrations at

UNICEF'S DRONE TESTING CORRIDOR IN KAZAKHSTAN

Yuri Oksamitniy
UNICEF Representative in the Republic of Kazakhstan
28 February 2019, Almaty, Kazakhstan

Iceland
Sweden
Finland
Russia
Canada
United Kingdom
Belarus
France
Ukraine
Kazakhstan
Mongolia
North Pacific Ocean
North Atlantic Ocean
United States
Romania
Spain
Italy
Uzbekistan
Turkey
China
Morocco
Tunisia
Iraq
Iran
Pakistan
Nepal
Libya
Egypt
Saudi Arabia
India
Philippines
Ethiopia
Sri Lanka
Malaysia
Peru
Angola
Madagascar
Namibia
South Atlantic Ocean
Indian Ocean
Australia
South Pacific Ocean
UNICEF is looking to reduce the digital divide
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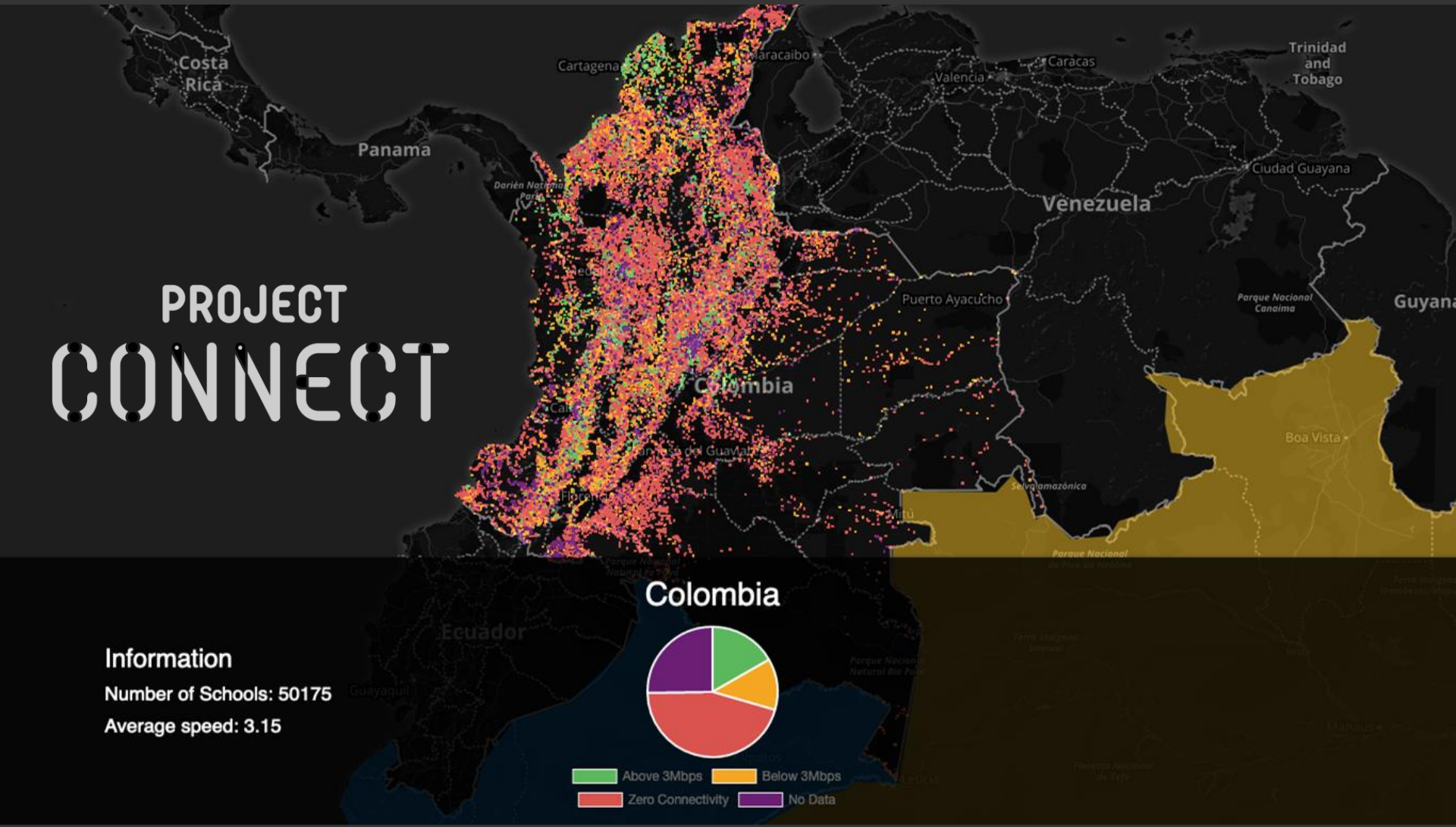
PROJECT CONNECT



Information

Number of Schools: 50175

Average speed: 3.15

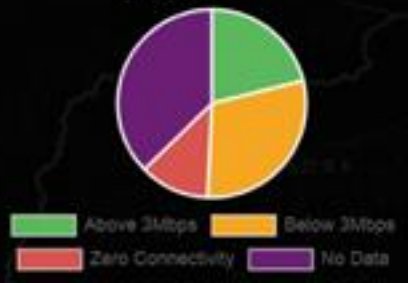
admin3: Emgek - Taala A / O
connectivity: true
country_code: KG
datasource: KG-UNICEF-0-Kyrgyzstan_MoE-0.csv
lat: 41.41673333
lon: 75.6575
name: Secondary school named after Jekshenbek Mambetov
num_students: 280
speed_connectivity: 0.225
created_at: 2018-06-29T20:51:03.466Z
updated_at: 2018-06-29T20:51:03.467Z
id_0: 122
id_1: 5
id_2: 25

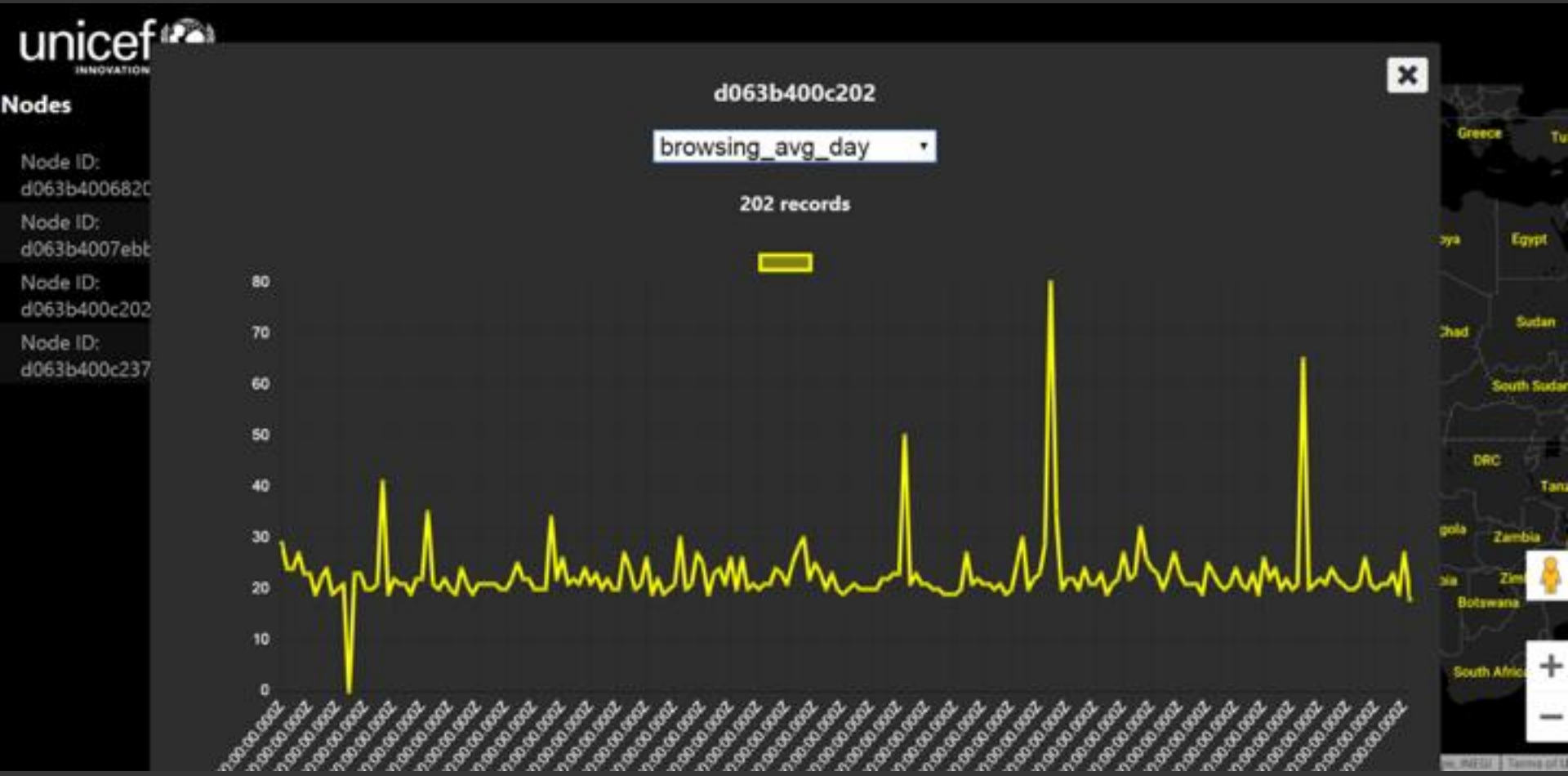
Kyrgyzstan

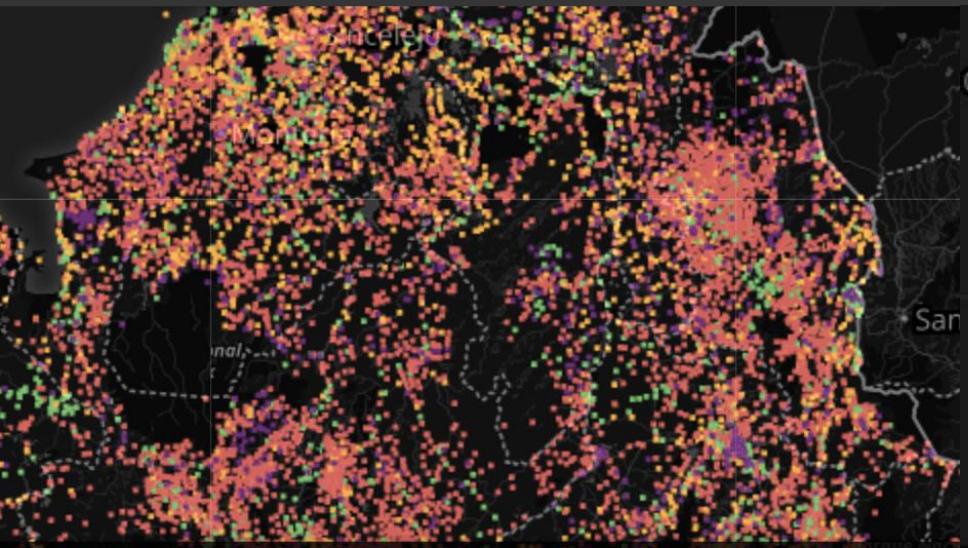
Information

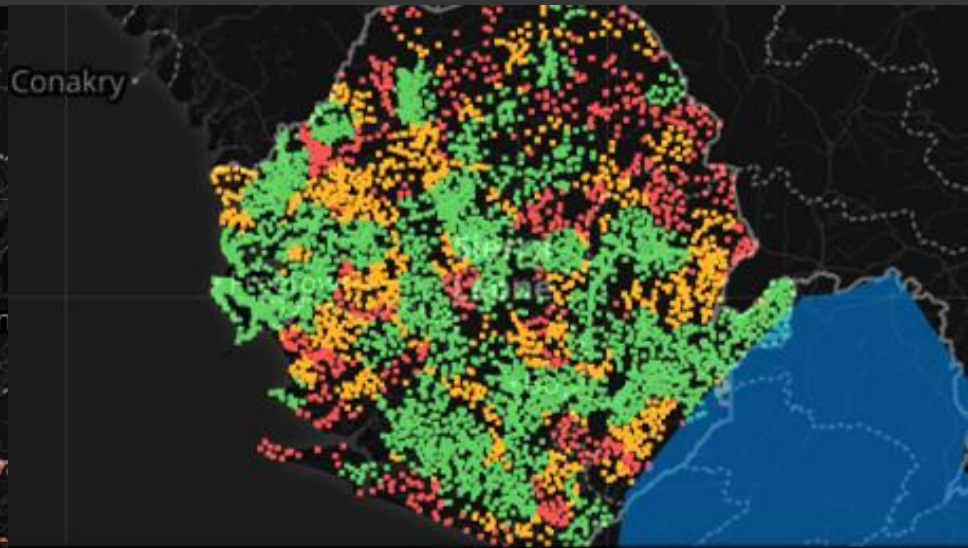
Number of Schools: 1565

Average speed: 56.60




unicef
INNOVATION
Nodes
Node ID:
d063b400682C
Node ID:
d063b4007ebb
Node ID:
d063b400c202
Node ID:
d063b400c237
d063b400c202
browsing_avg_day
202 records
80
70
60
50
40
30
20
10
0
Greece
Egypt
Sudan
South Sudan
DRC
Zambia
Botswana
South Africa





Colombia

Above 3Mbps
Below 3Mbps
Zero Connectivity
No Data

Sierra Leone

Above 3Mbps
Below 3Mbps
Zero Connectivity

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We want to bring every school online
in a fair and transparent way
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Iceland
Sweden
Finland
Russia
Canada
United Kingdom
Belarus
France
Ukraine
Kazakhstan
Mongolia
Romania
North Atlantic Ocean
North Pacific Ocean
United States
Spain
Italy
Uzbekistan
Turkey
China
Morocco
Tunisia
Iraq
Iran
Pakistan
Nepal
India
Mali
Niger
Chad
Sudan
Yemen
Philippines
Sri Lanka
Malaysia
Cameroon
Ecuador
Peru
Angola
Namibia
Madagascar
South Atlantic Ocean
Indian Ocean
Australia
South Pacific Ocean

CASE STUDY

SURGE: Enabling communities to build solutions, using blockchain

SURGE is a series of events to teach young people what blockchain is, and how it can be used to solve challenges. The program includes:

- **Learning Events:** One day events to introduce newcomers to blockchain to what the technology is and how to build blockchain apps
- **Hackathons:** Two day event where coders, designers and strategist come together to build solutions to a specific challenge with the help of mentors.

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Innovation Fund

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

$19.6 Million

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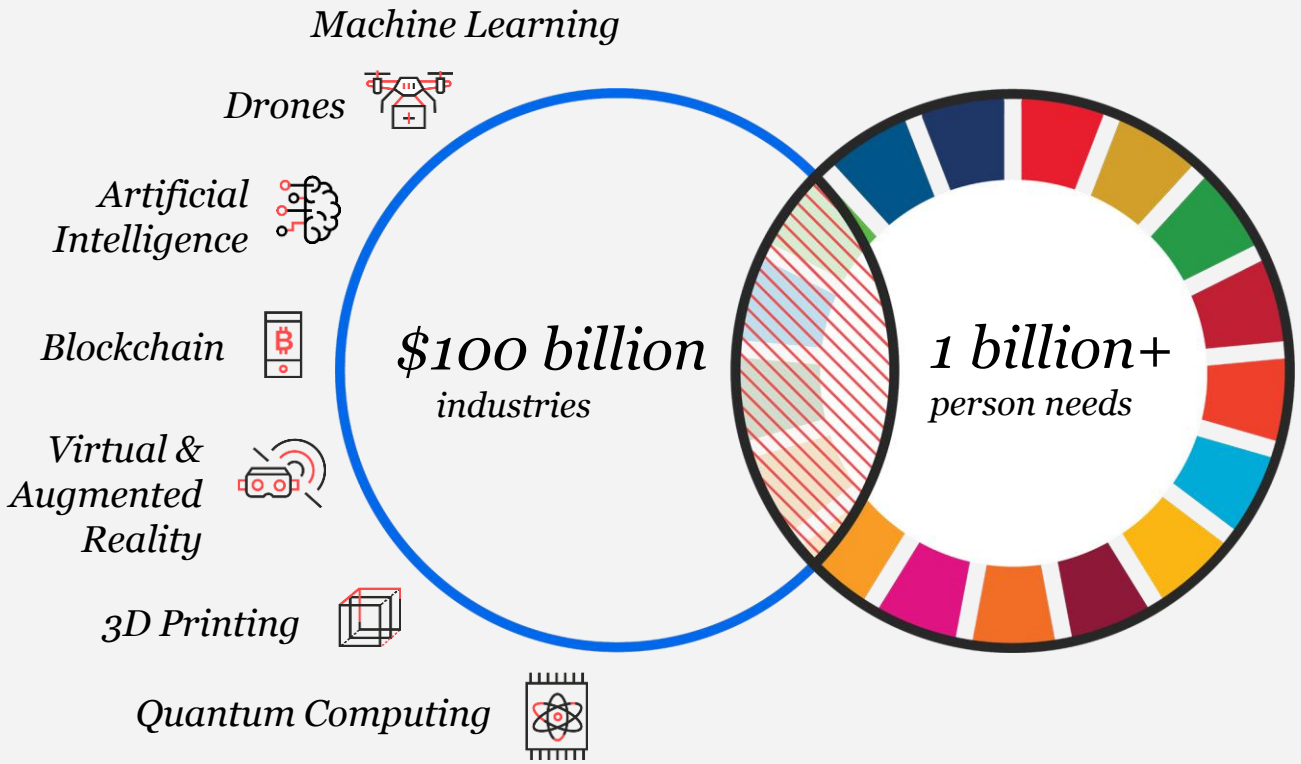
Frontier Tech Areas



Dec 2018: 6 investments (100k$ each) in blockchain startups

Atix Labs *(Argentina); impact funding*

Onesmart *(Mexico); data transparency*

Prescrypto *(Mexico); digital prescriptions*

StaTwig *(India); vaccine supply-chain*

W3 Engineers *(Bangladesh); mobile connectivity*

Utopixar *(Tunisia)**: community tokens***

Prescrypto: 70,000 digital prescriptions in Mexico

W3 Engineers: Urban connectivity through a mesh network

Learn more at:
https://www.unicef.org/innovation/

Contact us at blockchain@unicef.org

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