CAN HACKERS SAVE THE OLYMPICS?

ASIA OPEN DATA CHALLENGE 2019

TEAM STANDY

Tokyo host the Olympics 2020

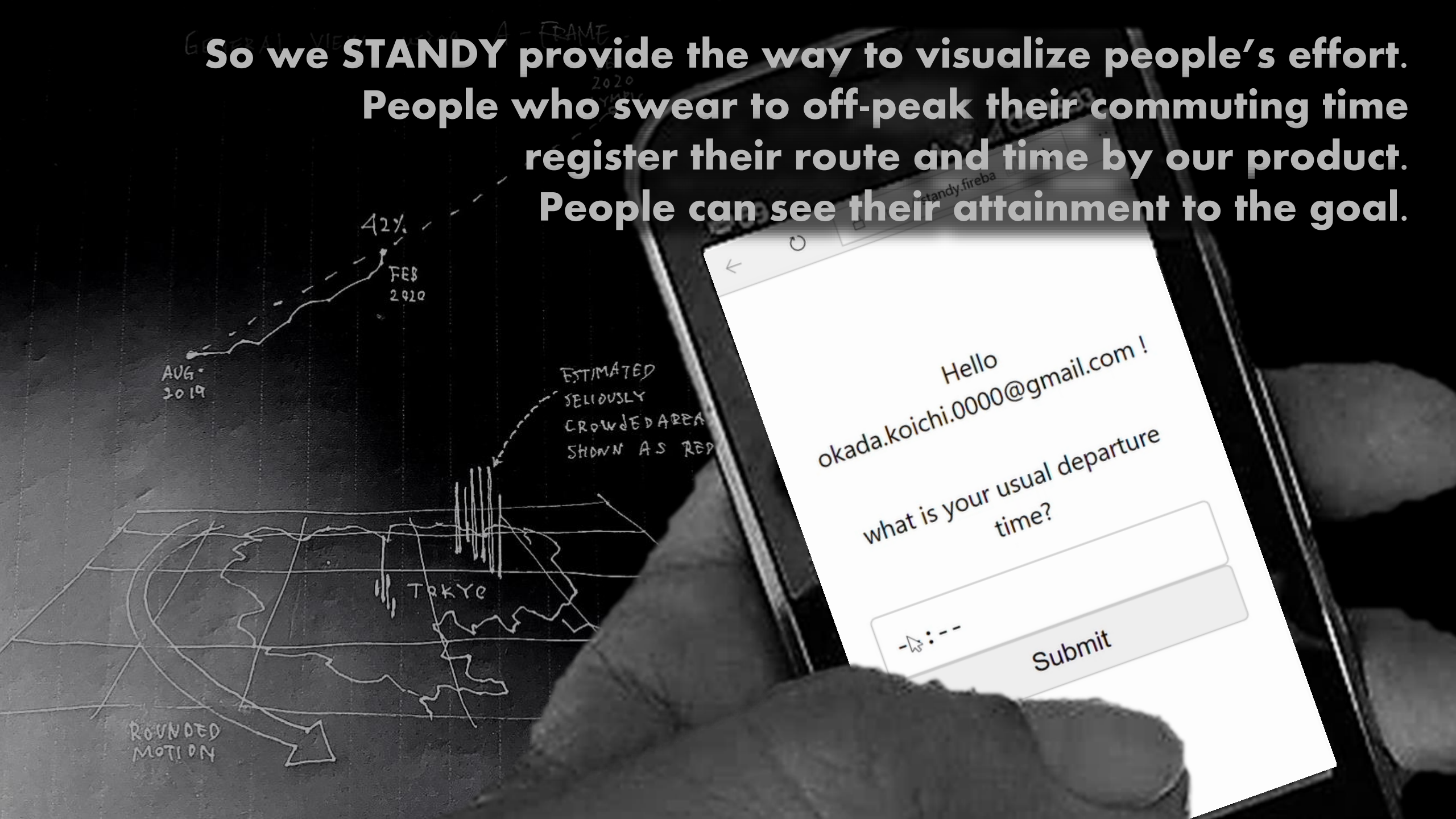
But during the period,
the transportation will flood seriously with people,
they are commuters and visitors.

TOKYO 2020

Tokyo metropolitan governor Koike announced that we need to cooperate to off-peak the commuting time.

Will it work properly?
No one knows,
for now.

So we STANDY provide the way to visualize people's effort.
People who swear to off-peak their commuting time register their route and time by our product.
People can see their attainment to the goal.



“DECIRE; Data Extraction by Converting Image REsolution”

The Tokyo Metropolitan Government
published the data of estimated crowdedness.
Those are published only in images,
so we extract them as data set by converting the resolution.

Original

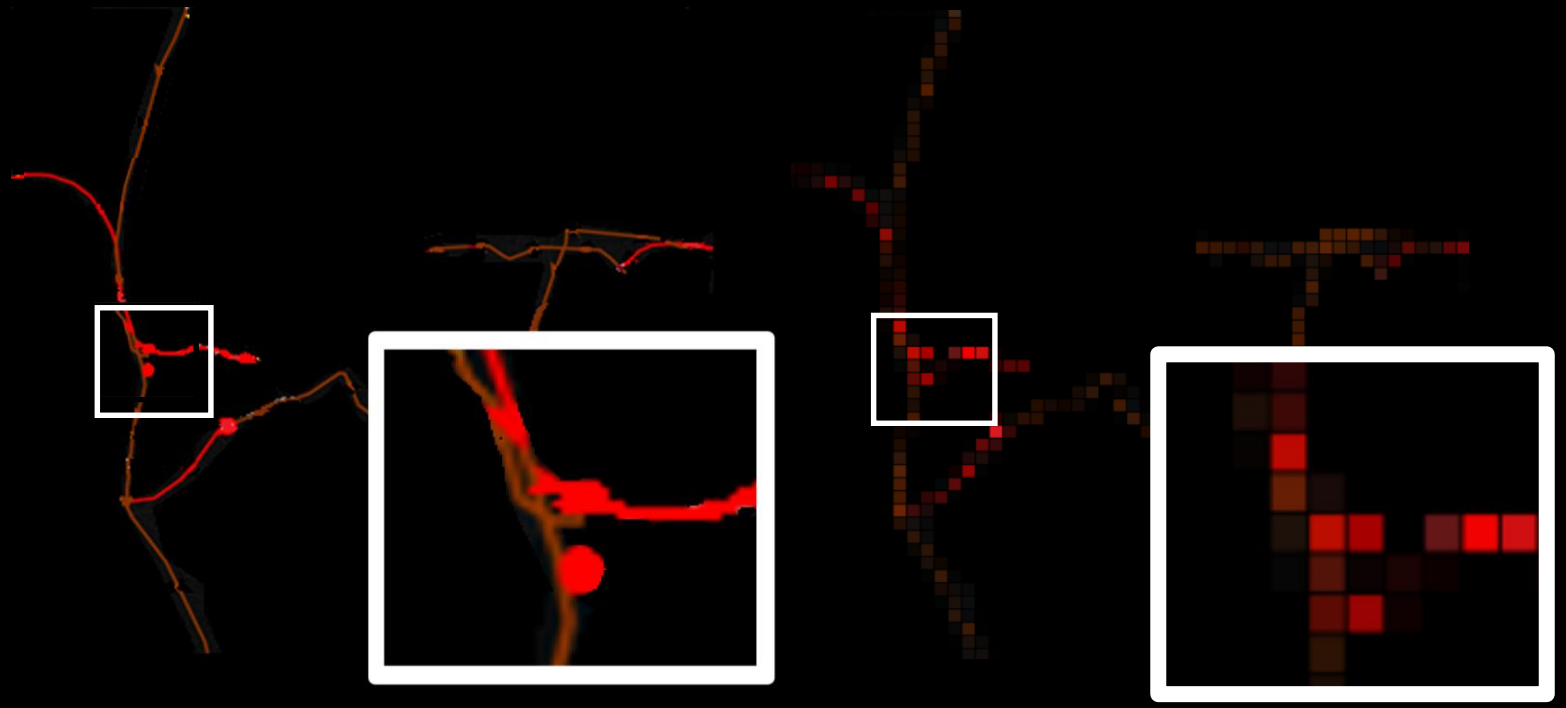


Image Processed

50 x 50 Resolified

Solving the train congestion in Seoul and Taipei

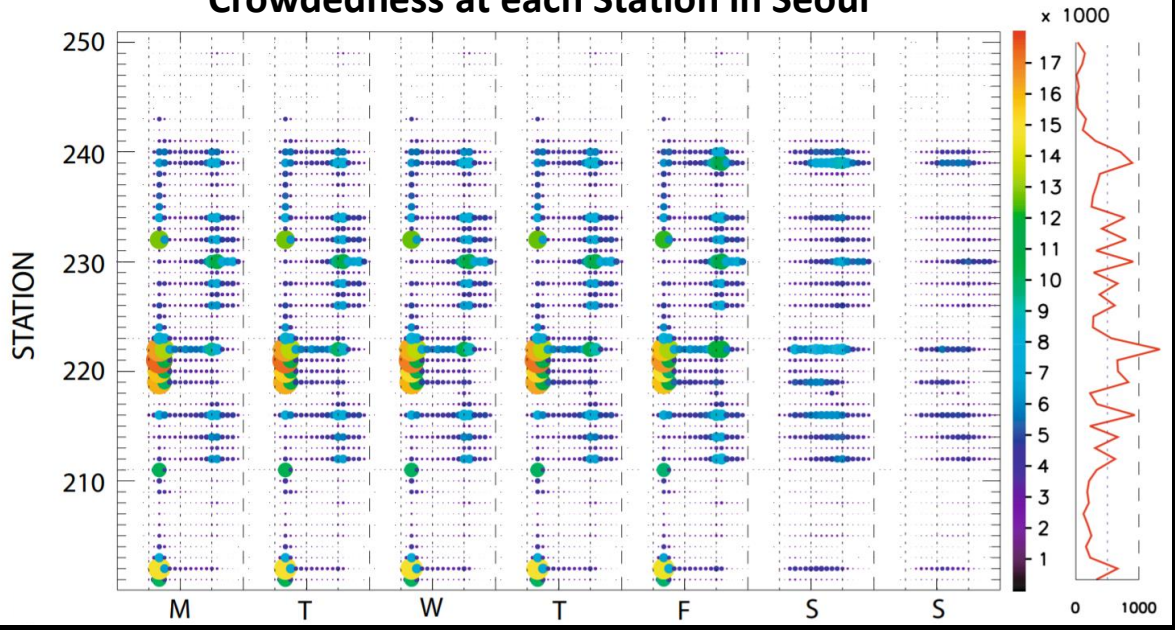
Tokyo is the worst, Seoul is the second worst crowded subway in the world.
Taipei also ranked in worse.
From the data published by each government, we can provide the crowdedness map.
Means, we can apply same movement to avoid the crowdedness in other countries.

https://link.springer.com/article/10.1186/S40537-018-0116-9
https://www.iot.gov.tw/en/FileResource.axd?path=html/doc/1010200612p.pdf
https://www.travelandleisure.com/slideshows/worlds-most-crowded-subways

TRA weekday and weekend screen line demand and supply

Screen line	Weekday peak hours				Weekend peak hours			
	Time of day	Northbound	Time of day	Southbound	Time of day	Northbound	Time of day	Southbound
Taipei Taoyuan	**6~8**	**159%**	**17~19**	**118%**	**18~20**	**107%**	**17~19**	**122%**
Hsinchu Miaoli	7~9	76%	17~19	68%	**16~18**	**116%**	19~21	78%
Miaoli Taichung	6~8	38%	17~19	32%	**18~20**	**106%**	19~21	91%
Taichung Changhua	7~9	65%	17~19	57%	**16~18**	**105%**	16~18	83%
Changhua Yunlin	17~19	47%	16~18	31%	**18~20**	**103%**	**16~18**	**130%**

Crowdedness at each Station in Seoul

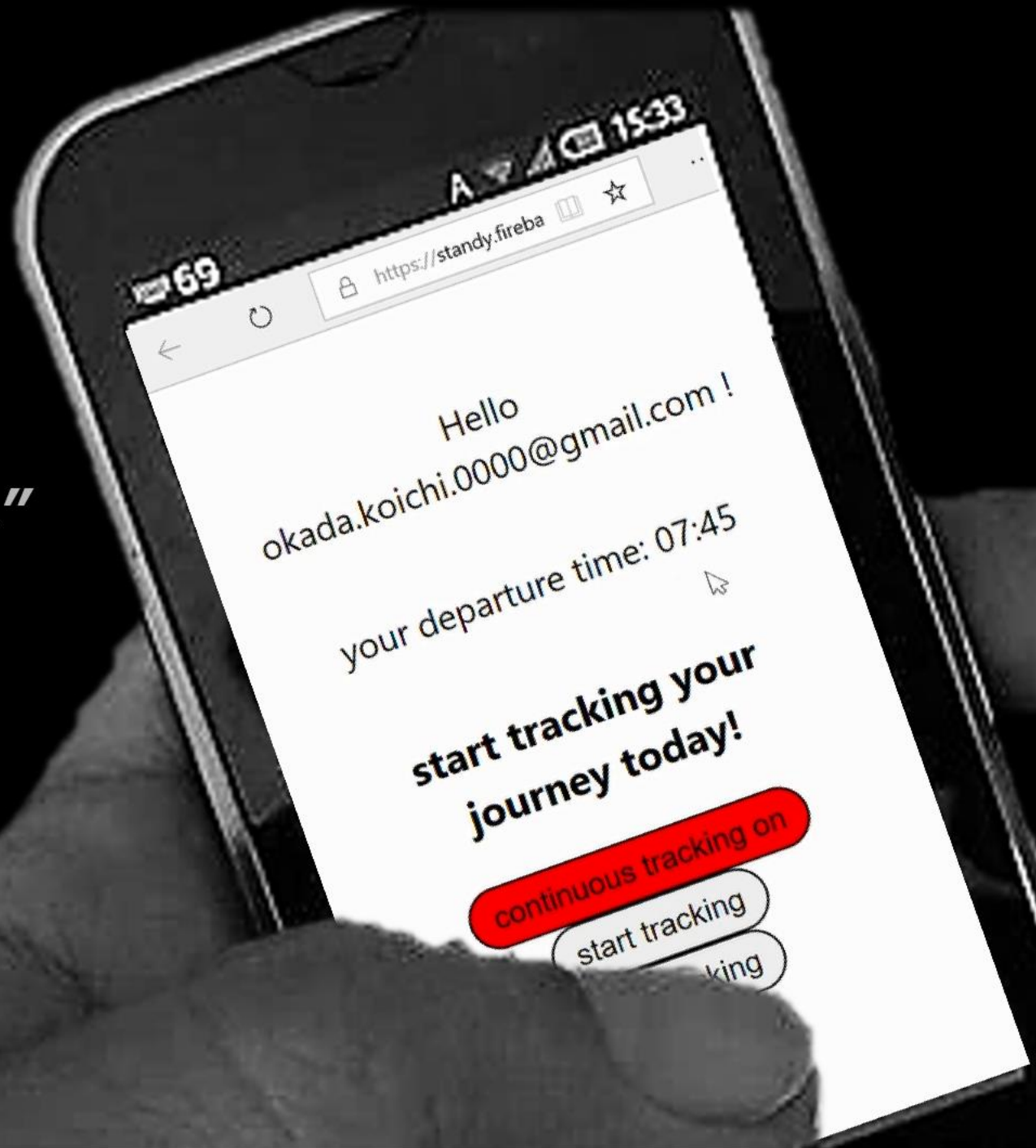


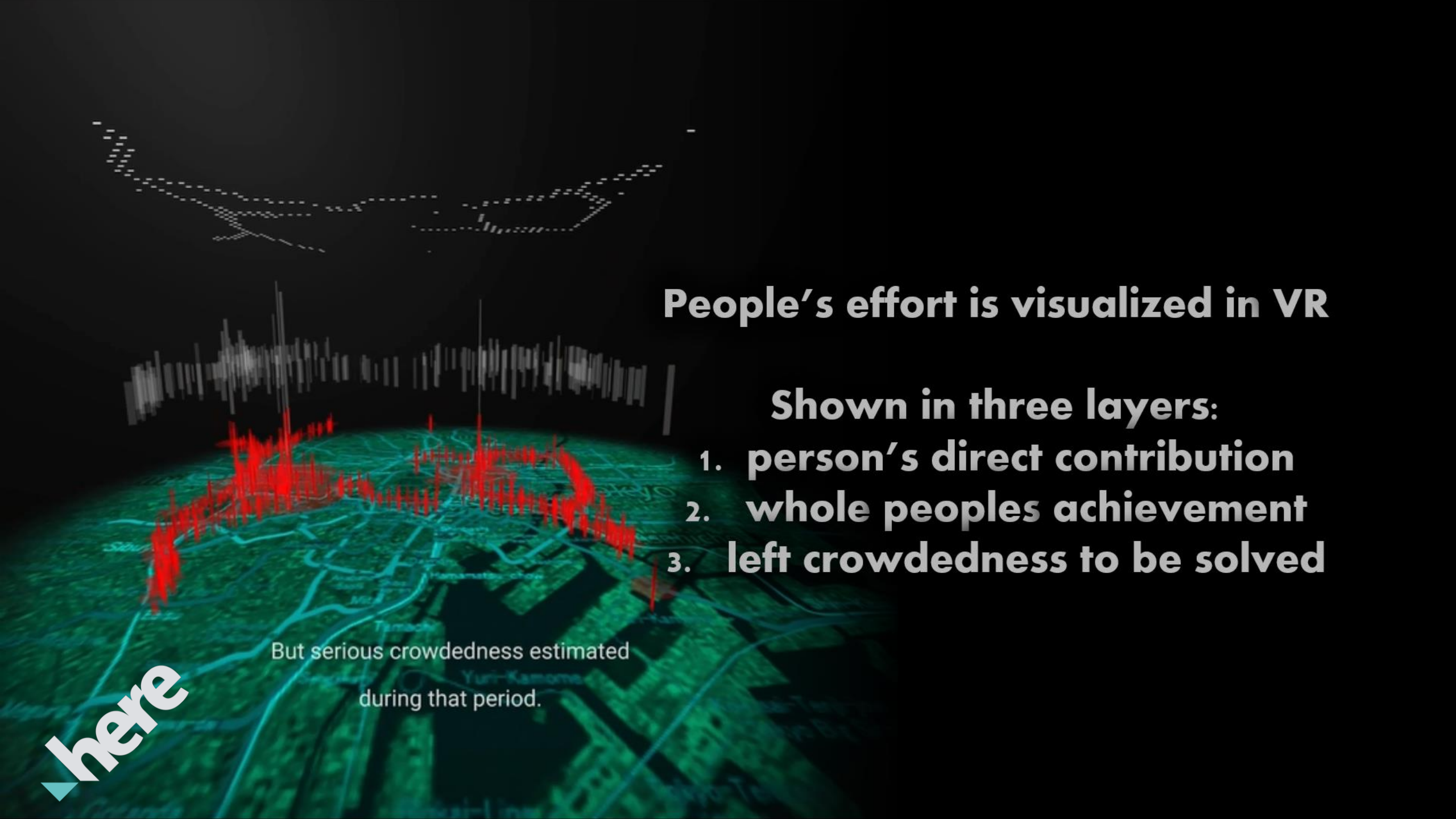
At first, enter the former **commuting time**.

When you leave the home after starting the off-peak commuting,
push "**Start tracking the GPS**."

And when you arrive the work place,
push "FINISH RECORDING".

And leave the **message** of the **hope and wish** for the Olympics





People's effort is visualized in VR

Shown in three layers:

1. person's direct contribution
2. whole peoples achievement
3. left crowdedness to be solved

Innovative dashboard working in AR.

It makes easy to see in detail, because zooming up is more intuitive.

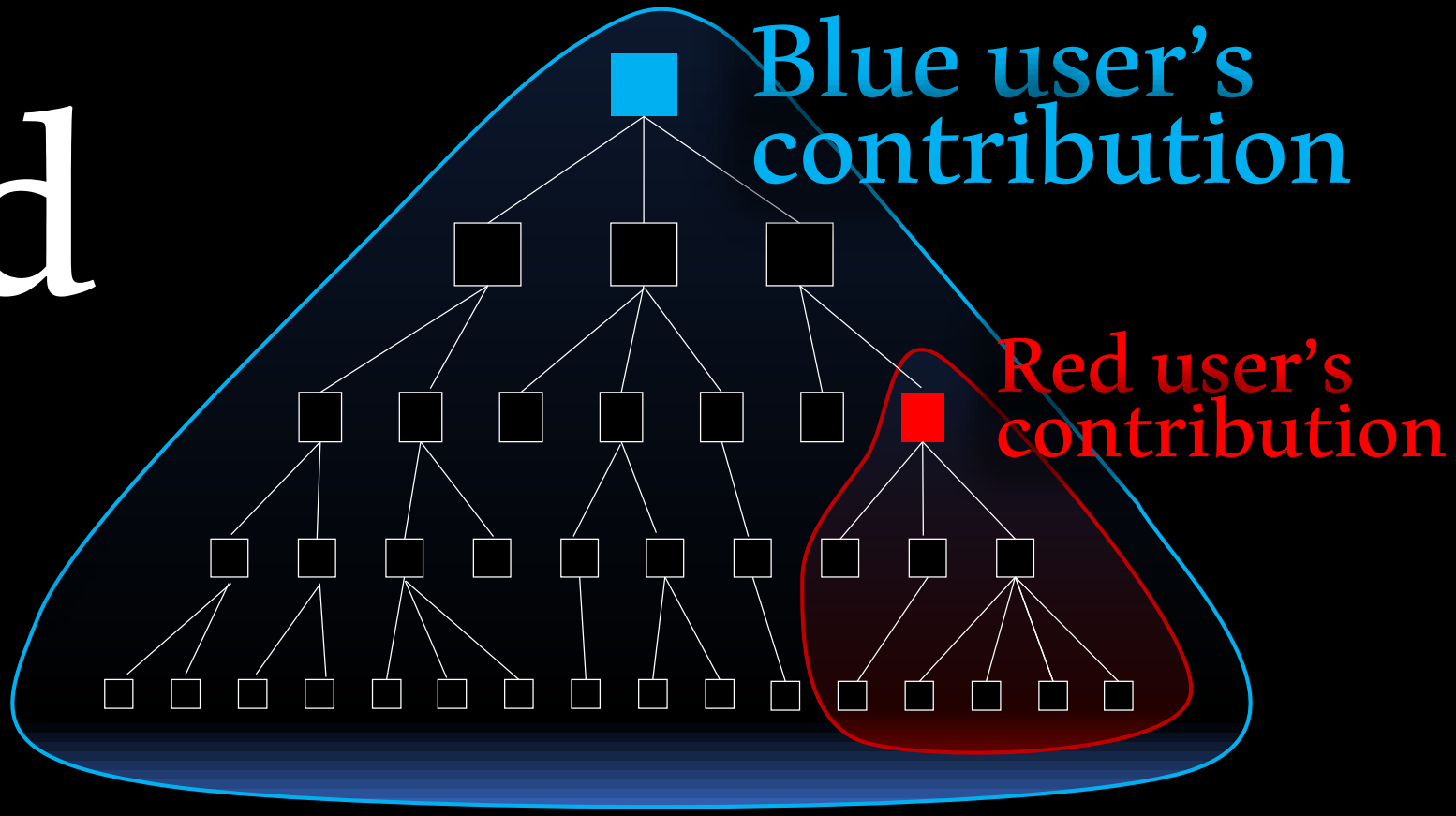
here

Key success factor of movements is solidarity.

The

Pyramid Scheme

effectively makes it.



Contribution is counted not only by himself,

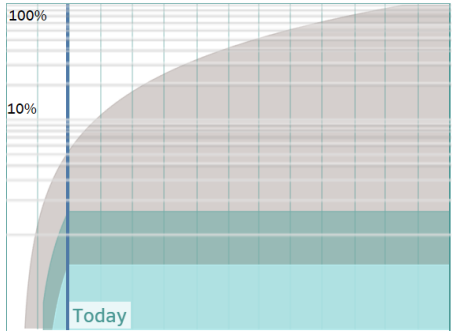
but also counted as a contribution of the people who invite him to this project.

It makes frequent increase of the contribution and motivate more invitation.

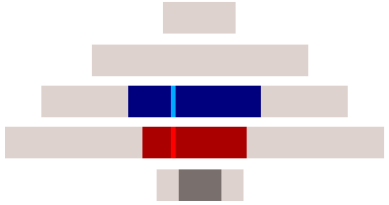
We created detailed dashboard using Tableau Public. People will receive this by email weekly.

TOKYO 2020 OFFPEAK REPORT

Currently **2,214** people joined and contributed to dismiss the crowdedness in TOKYO 2020 Olympics and Paralympics

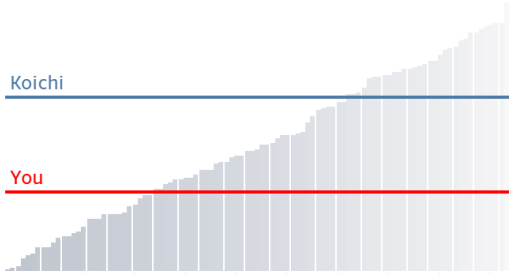


In above figure "**Achievement Indicator**" appearing with log scale, gray area shows today we need to accomplish 4.0%, but dark green area shows 1.1% is the current situation we all achieved. And your contribution including ones of people you introduced to join this project is 0.4%.
The day left until start of the Olympics is 329.
We need to spread this project.

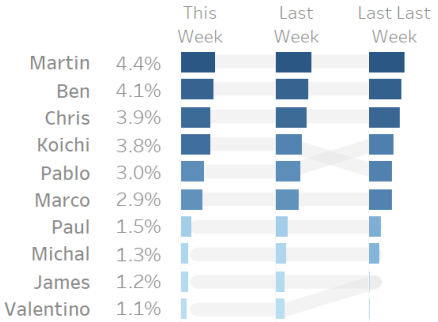


Above figure "**Pyramid diagram**" shows the contributors' hierchy. Introducer appear on the above layer, your introducer Koichi is in 3rd Layer. Gray band shows the number of people in the layer and the dark blue band shows the number of people who has introduced to join this project by whom Koichi has also introduced. 10 people belongs to the group. And Koichi is ranked in 4th in regard to amount of contributions. The contributions are summation of that of the people who originated from the person by introducing this project. So your contribution are counted as your introducer Koichi's countribution. And the next below layer from Koichi's is the one you are belonging to. The red band shows the number Koichi has introduced, that's 8 people. and red line shows where you are ranked in regard to contributions. You are on the 3rd rank among person introduced by Koichi.

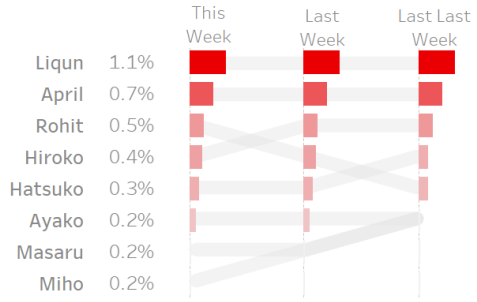
Same as mentioned above, your contribution includes ones which gained by the people you introduced. They are appear in the next layer, shown with dark gray band including 3 people.



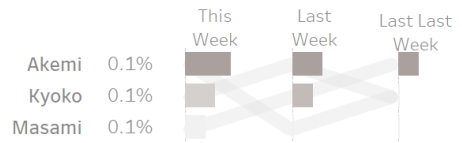
And figure above is "**global ranking**" in all people joined in this project. You can see the distribution of the contributions among all people across all layers. Now your ranking is 325th in 2,214 people, standing on the posision of 71% from the summit. And your introducer Koichi is ranked in 121th standing on the 36% from the summit.



By "**Ranking transition of your Introducer**" figure shown above, you can see the three week transition of the ranking including your introducer Koichi.



By "**Ranking transition of you**" figure shown above, same as your introducer's case, you can see the three weeks transition of the ranking among the people who has introduced by Koichi.



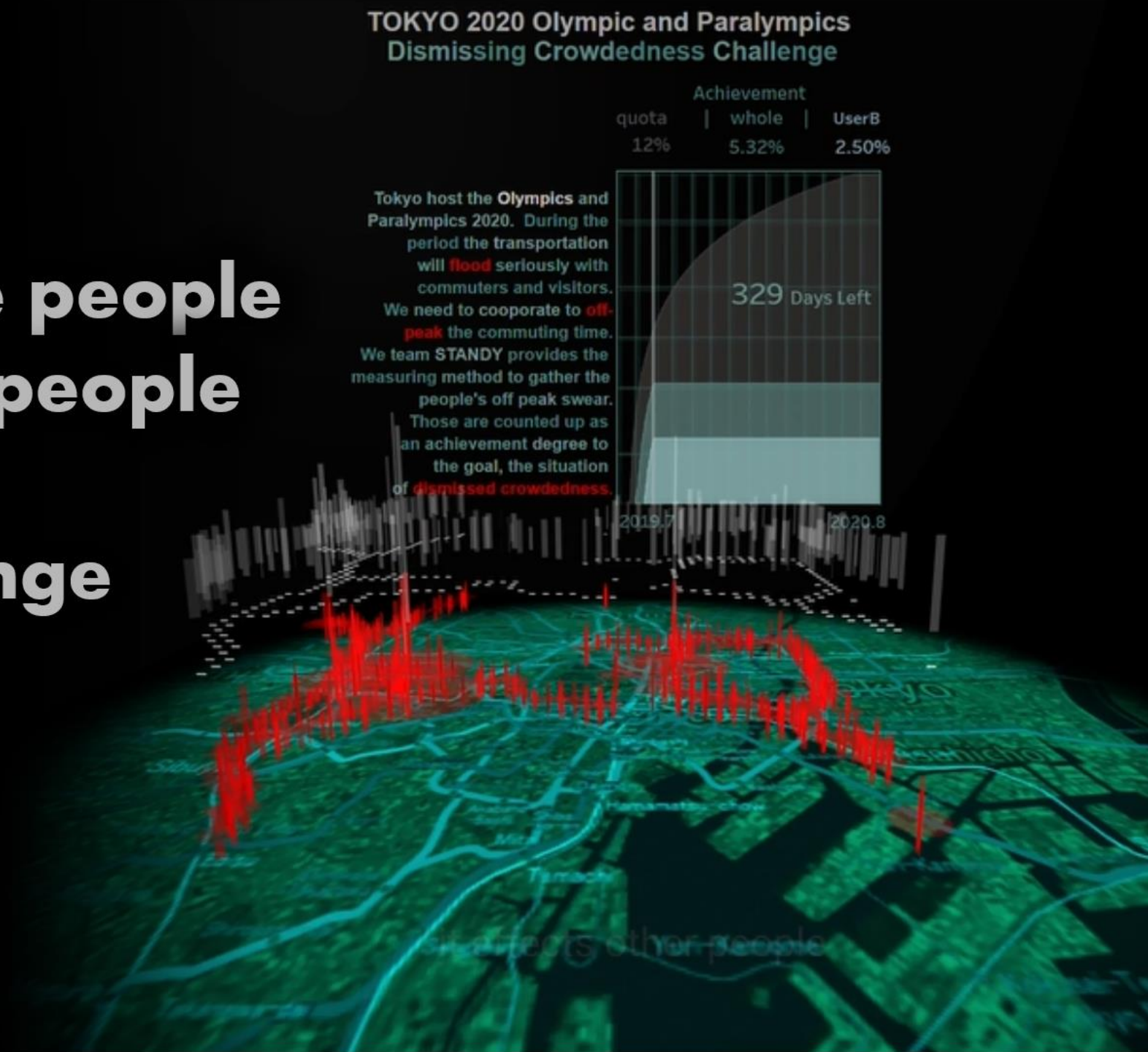
By "**Ranking transition among people you introduced**" figure shown above, you can see the ranking among the people you introduced to join this project.

Including the topics about user's related person's contribution changing frequently by the Pyramid scheme, it makes more communication among users.

- Figures generated automatically by tableau
- Exciting rankings among group introduced by same person
- Unique style figure showing three weeks transition of ranking

It encourages the people
It combines the people

It is a challenge




measuring method to gather the
people's off peak swear.
Those are counted up as
an achievement degree to
the goal, the situation
of dismissed crowdedness.
2019.7
2020.8
Can Hackers
move
millions of people?
Commit the movement.

CAN HACKERS SAVE THE OLYMPICS?

What makes the movement more important:

“the presence”

As clouds appear in Augmented Reality,

you can see how is the estimated crowdedness

at the place in Olympic period.

We utilized and extend

our previous “AR Data Presence API”

which use Deep Learning

to detect the sky area to display clouds.


“Remove the Cloud of Crowdedness
with your cooperation and hope”
The post is recorded at the place.
People can find posts by seeing the view from the web.
That’s represented as lights fallen from the sky.
Smile should be filled with in 2020!

In 2020

using our service,
the visitors in Tokyo
will see
the Tokyo residents'
efforts
for accepting them.

Scenery in AR will be filled with

their wish and hope

“all people, happy with the Olympics.”

After the Olympics,

based on this product,

we will start a platform for social campaigning.

Characterized as:

1. VR/AR visualization of achievement

   realize the presence of the movement
2. Goodwill Pyramid scheme
3. evaluation using blockchain

Business Possibilities

Commuting route information

associated with email address

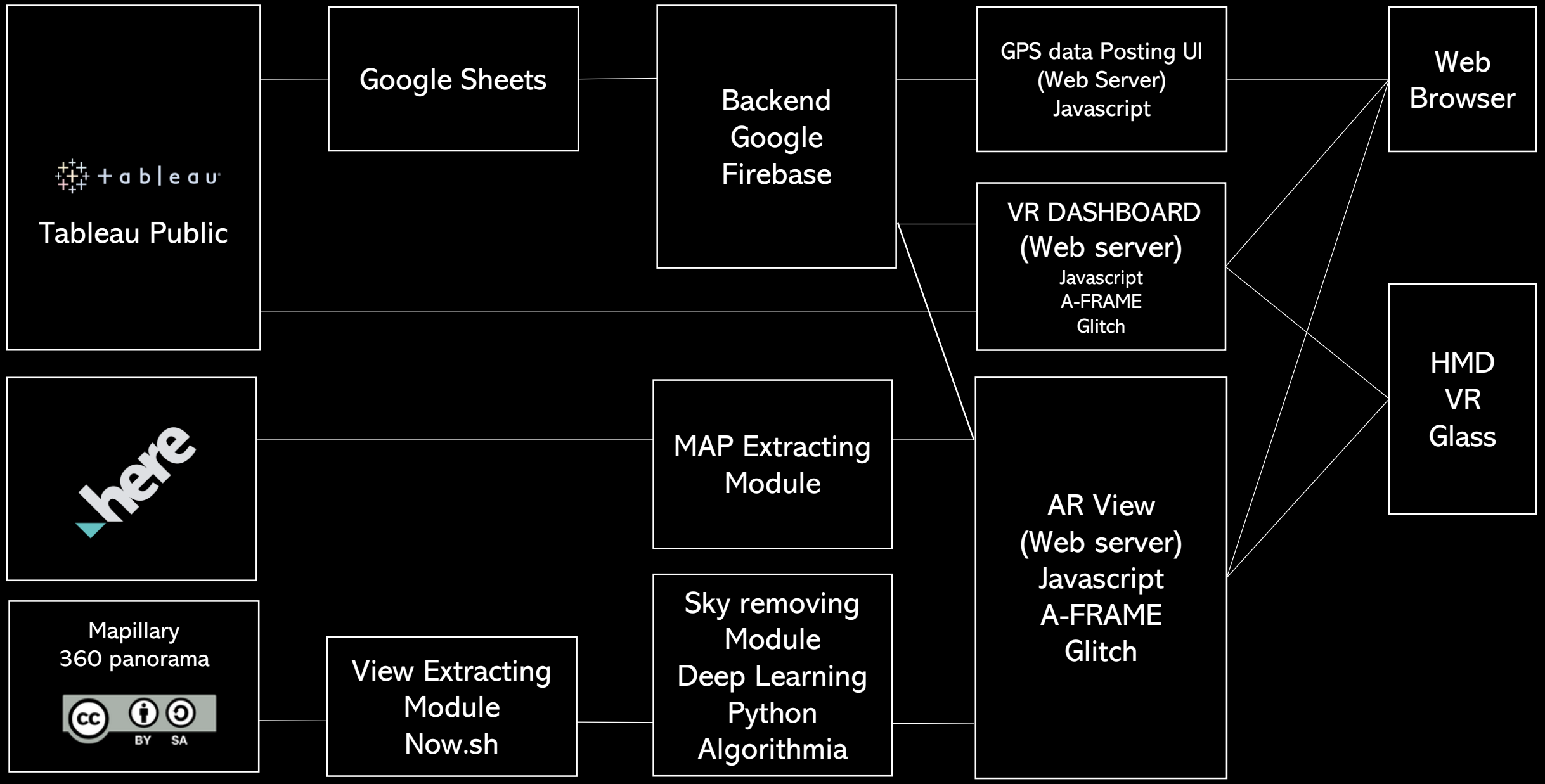
of Millions people

have a big possibilities

for marketing and advertisement

utilizing Life-Log

System overview



STANDY

Director	Koichi Okada
AR & VR view developer	
Tableau view developer	
GPS tracking app developer	Tang Li Qun
QR code Operation developer	
AR view server developer	
Account Management developer	Rohit Kumar Singh
HERE map handler	
Data Processing developer	April Teng
Assistant	Hiroko Okada

RECORD TRACKING and SAVE THE OLYMPICS!