



Kingdom of the Netherlands

Human Rights

DIPLO HACK

**26. - 27. February 2016
@ Impact Hub Geneva**

www.diplohack.org

IMPACT
HUB

Geneva

THE Port.ch
unite innovators • impact future • act today

MISSION



At the Human Rights DiploHack 2016
hackers, human rights experts and diplomats
joined forces for a 48-hour period
to tackle two challenges
presented by the Office of the High
Commissioner for Human Rights
that directly impact people's lives from around the
world.



“Another noteworthy example is next week’s DiploHack. This event will connect human rights experts, developers, designers and diplomats around the challenge to create new technological tools for human rights monitoring.”

Michael Møller: Director General United Nations Office at Geneva - Huffington Post



PREPARATIONS

PREPARATORY MEETING



20th January 2016, Palais des Nations



PREPARATORY MEETING - agenda

Welcome by NL Mission

Quirine van de Linde, Permanent Representation of the Kingdom of the Netherlands

Introduction to Hackathons

Daniel Dobos, CERN

Examples of Humanitarian Hackathon challenges

Ines Knäpper, THE Port

Testimonial: Better Body Bag Project

Steffen Raetzer, SSRA

Previous DiploHacks

Frank Huisingh, Ministry of Foreign Affairs, Netherlands

Upcoming: 1st Geneva DiploHack

Felix Staehli, Impact Hub Geneva

“Meet a hacker” - Open discussion panel

Kevin Koh, OHCHR & Steffen Raetzer, SSRA

Wrap up summary & outlook



PREPARATORY MEETING - testimonials



“The DiploHack combines all of the previous areas of work I have been in and the aspirations I have for innovation-driven solutions to human rights and social issues.”

Kevin Koh: Human Rights Officer and Lawyer at the United Nations Office of the High Commissioner for Human Rights (OHCHR)

"The DiploHack was exactly the way I imagined it as a creative and dynamic exercise to think out of the box. Coming from the world of diplomacy, my ideas and proposals were tested against the brains of scientists and activists, leading to concrete solutions. Ultimately, in the field of human rights maybe more than in other areas, technology solutions will need to be accompanied by political will"

A fast-track participant

STATISTICS

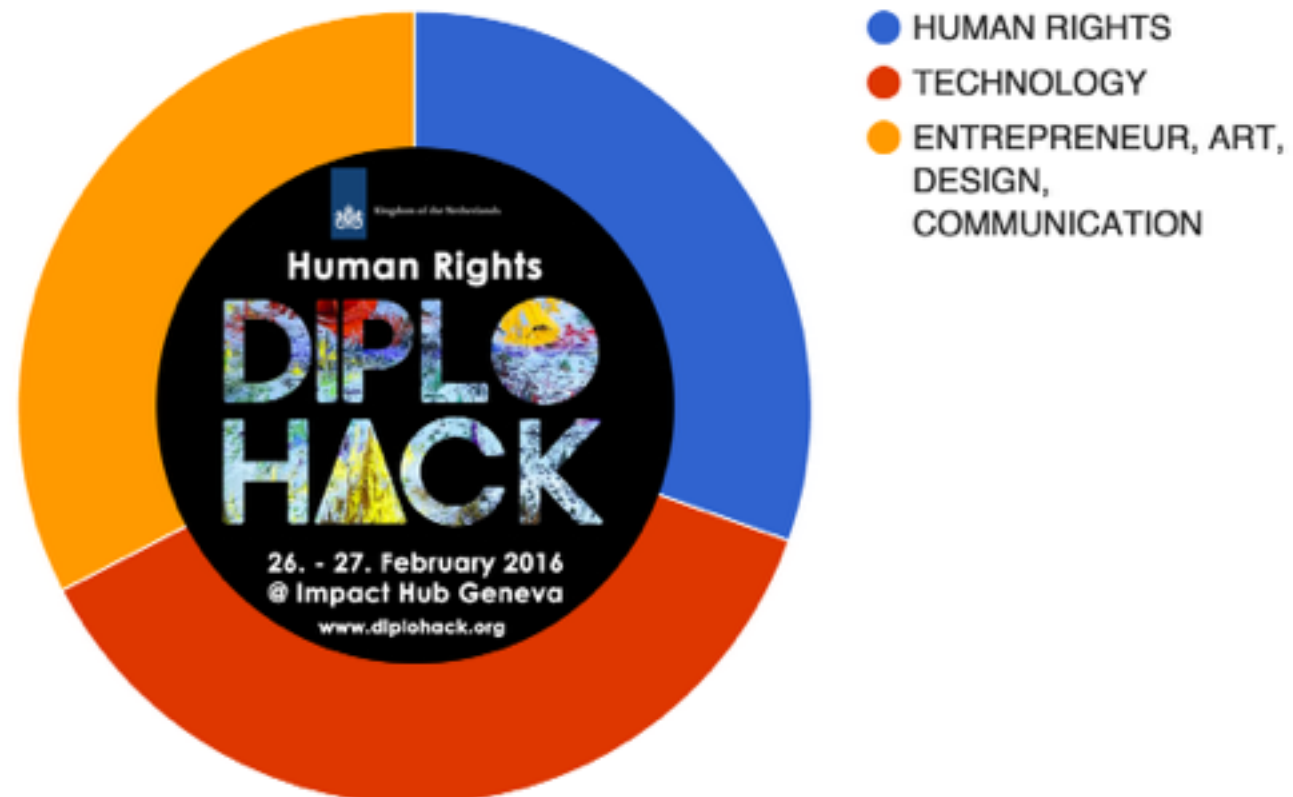
Applications:

3 times overbooked

41 nationalities

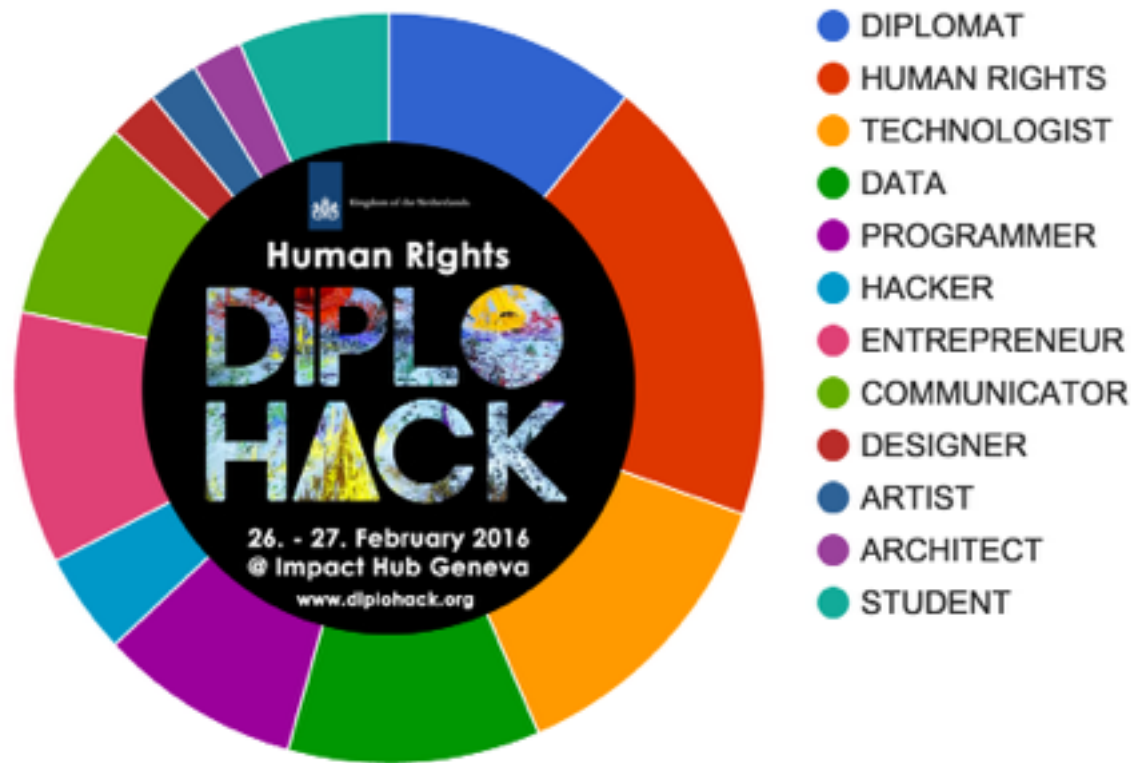
58% female applicants

Human Rights DiploHack 2016 - Participants Expertise Distribution

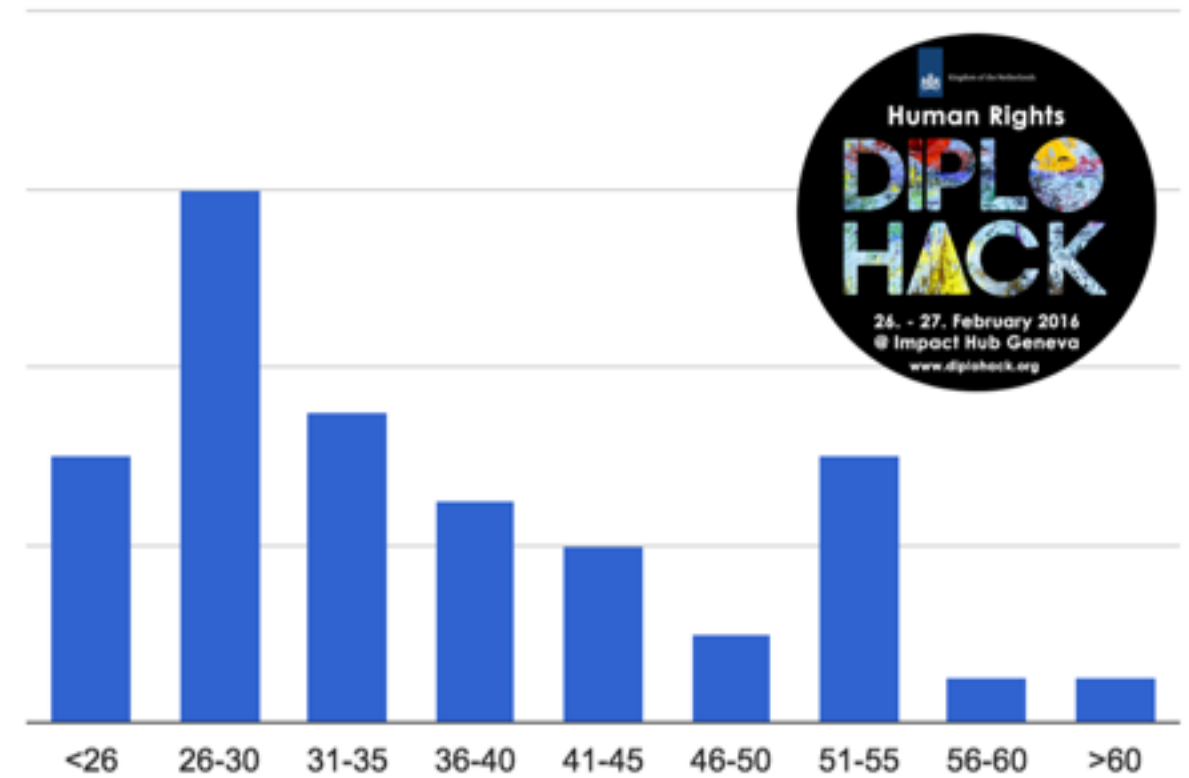


STATISTICS - details

Human Rights DiploHack 2016 - Participants Background Distribution



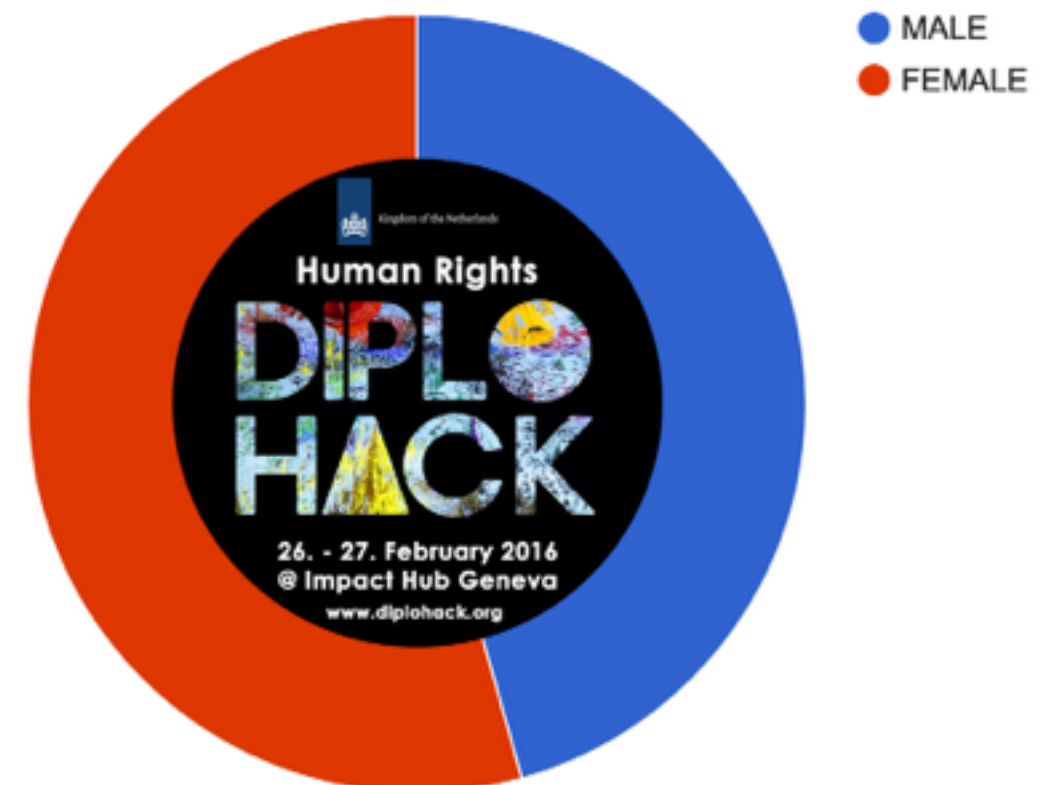
Human Rights DiploHack 2016 - Participants Age Distribution



Human Rights DiploHack 2016 - Participants Nationality Distribution



Human Rights DiploHack 2016 - Participants Gender Distribution



PARTICIPANTS



PARTICIPANTS - teams



Team1

2016 Human Rights

A grid of 10 portraits of Team 1 members. The first row contains 7 portraits, and the second row contains 3 portraits. The remaining space in the banner is red.

Team2

2016 Human Rights

A grid of 10 portraits of Team 2 members. The first row contains 7 portraits, and the second row contains 3 portraits. The remaining space in the banner is green.

Team3

2016 Human Rights

A grid of 10 portraits of Team 3 members. The first row contains 7 portraits, and the second row contains 3 portraits. The remaining space in the banner is orange.

Team4

2016 Human Rights

A grid of 10 portraits of Team 4 members. The first row contains 7 portraits, and the second row contains 3 portraits. The remaining space in the banner is blue.

Fast Track

2016 Human Rights

A grid of 7 portraits of Fast Track members in a single row. The remaining space in the banner is black.

CHALLENGE - Big Verification Challenge



UNITED NATIONS
HUMAN RIGHTS
OFFICE OF THE HIGH COMMISSIONER

An improved way of using limited verification resources

Does a photo or video tell the 'truth'? Methods and tools for verification of visual content are constantly improving, but the amount of content requiring verification for Human Rights purposes increases over-proportional – limiting its usability to a small and biased selection. Can improved creation, filtering, sorting and verification contribute to turn the tables on this volume problem?

CHALLENGE - Evidence Collection Box



UNITED NATIONS
HUMAN RIGHTS
OFFICE OF THE HIGH COMMISSIONER

A field-ready evidence collection & transportation tool

How can Human Rights Defenders collect and transport evidence in a safe way? New data transmission protocols, storage and verification methods open up new opportunities to improve towards a more trustworthy, and field-operation friendly evidence system. How can limited communication possibilities be used in the most effective way?



HACKATHON



HACKATHON - agenda



Friday 26th of February

09h Registration & Breakfast

09h30 Kick-off Meeting:

- Welcome
- Motivational Talks
- Introduction to Hackathons
- Structure, Goals and Rules
- Group Picture

10h Hacking

12h Fast Track Presentations

18h Midterm Review

19h Dinner

20h Hacking

Saturday 27th of February

08h Breakfast & Hacking

Preparation of Final Pitch

18h Finals

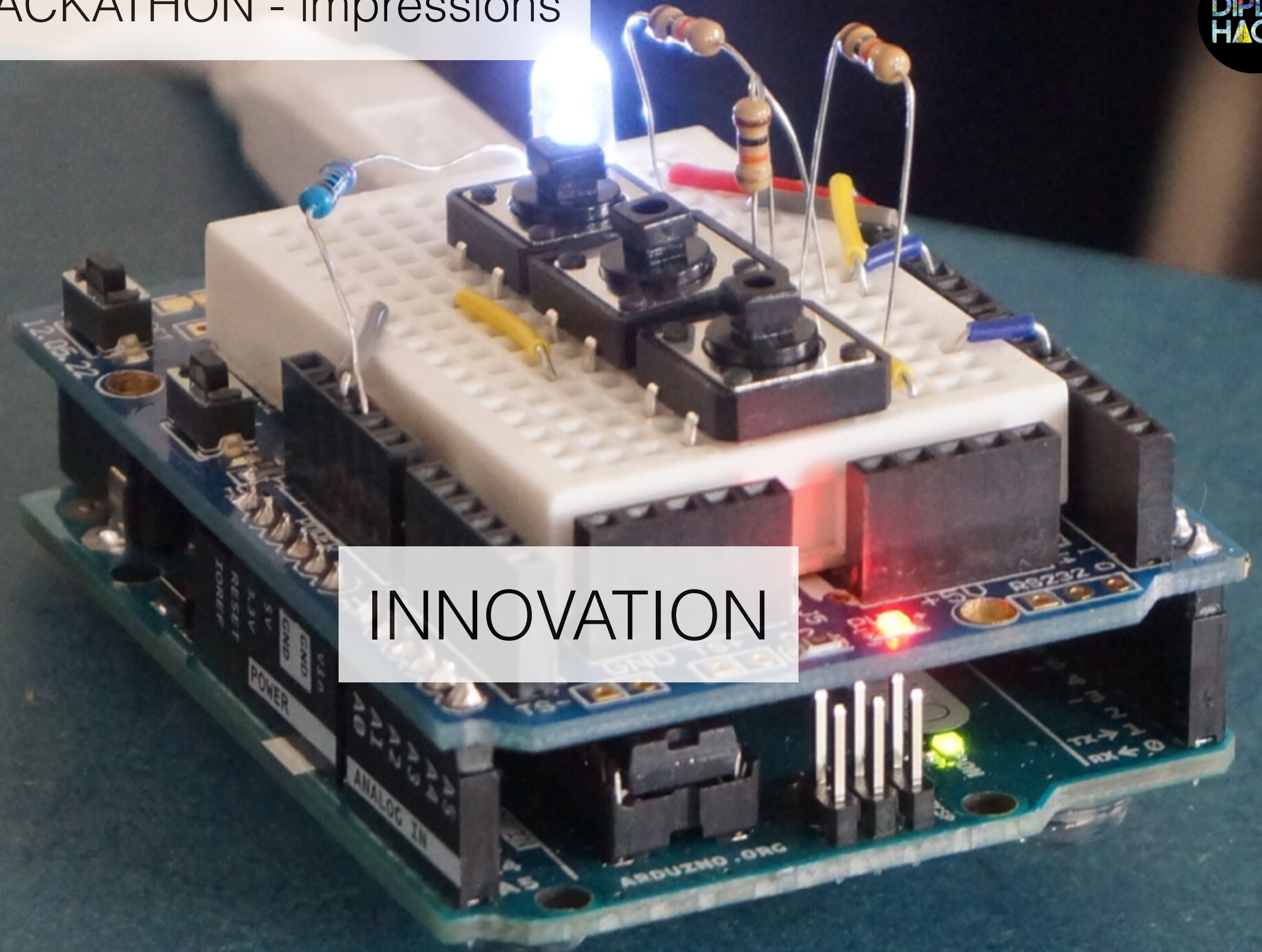
- Welcome words
- Keynote speakers
- Team presentations
- Closing and wrap-up

19h30 Aperero

Monday 29th of February

13h Presentation of the results
as side event to the 31st session of
the Human Rights Council

HACKATHON - impressions



INNOVATION

HACKATHON - impressions



COLLABORATION

HACKATHON - impressions



CO-CREATION

HACKATHON - impressions



CREATIVITY



RESULTS - fast track team



VALUE

Cristoph Peschoux (FR)
Ellen Verpoest van Thiel (BE)
Ibrahim Aladoofi (YE)
Jerome Bellion-Jourdan (FR)
Martin Labbé (FR)
Nicola Forster (CH)
Patricia Russ (DE)
Pavel Podvig(RU)
Petri Hakkarainen (FI)
Quirine van de Linde (NL)
Roderick van Schreven (NL)
Sascha Schmeling (DE)

TECHNOLOGY

“recognising the value of Human Rights violation information”

“secure hot-spot mailbox on each UN vehicle & office”

PICTRUE - team 1



Friedhelm Weinberg (DE)
Imane Alagui (MA)
Jiexin Guo (CN)
Kevin Koh (SG)
Ladan Pooyan-Weihs (FR/IR)
Laurens van der Woude (NL)
Nora Erdmann (DE)
Lucy Antrobus (UK)
Phil Dickie (AU)
Rita Kaali (US)
Viktoria Szabo (HU)



Team1



2016

**Human
Rights**



GET THE PICTURE - team 2



Annik Bindler (CH)
Biliana Vassileva (BG)
Swati Chhibber (IN)
Herman Paassen (NL)
Ibrahim Aladoofi (YE)
Joosep Pata (EE)
Manush Aslanyan (AM)
Paulina Carvallo (CL/US)
Monica Nascimento e Silva (PT)
Robert MacKenzie (CA)
Stefanos Laskaridis (GR)
Tom Versteeg (NL)



Team2



2016

**Human
Rights**



FIRST DEFENDER TOOLKIT - team 3



Anders Bengtson (SW)
Barbara Ruis (NL)
Ennio Boati (IT)
Kees van Baar (NL)
Lori Chang (US)
Marieke Abbink (NL)
Michela Paganini (IT)
Réka Farkas (HU)
Sebastian Langer (DE)
Steffen Raetzer (DE)
Yann Heurtaux (FR/BE)



Team3



2016

**Human
Rights**



TEAM4EVIDENCE - team 4



Brittany Robles (US)
Frank Huisingh (NL)
Hester van der Ent (NL)
Ilias Koutsakis (GR)
Irene Martinetti (IT)
Madelein Speth (NL)
Maria Verwoerd (NL)
Olivier Arifon (FR)
Pierluigi Bortignon (IT)
Robin Coupland (UK)
Sasha Iatsenia (CH)
SP Mohanty (IN)



Team4



2016

Human
Rights



HACKATHON - testimonials



“Diplohack is the **perfect occasion** to tackle human right challenges in a disruptive way.”

A Participant

“My first hackathon: an **energizing and inspiring experience!!** Great to see so much creativity and determination to find a solution that can make a real change when it comes to protecting human rights! A much needed **message of hope** at the beginning of HRC31.”

A Fast Track Participant



HRC31 High Level Side-Event

DIPLOHACK - presentation



Informal presentation of Diplohack 2016 results on human rights evidence to human rights ambassador of the Netherlands

Kees van Baar

HRC31 SIDE EVENT - agenda

Welcome

Quirine van de Linde, Permanent Representation of the Kingdom of the Netherlands

Human Rights DiploHack

Ines Knäpper, THE Port
Felix Staehli, Impact Hub Geneva

Introduction to Challenges

Christoph Peschoux, OHCHR

Pitches of results

DiploHackers of each of the 4 Teams

Kevin Koh, Dr. Robert MacKenzie, Michela Paganini & Brittany Robles, Irene Martinetti & Sasha Iatsenia

Address by the MFA NL

H.E. Bert Koenders

Address by DHC for Human Rights

H.E. Kate Gilmore



DIPLOHACK - high level side-event



Opening and Moderation

Quirine van de Linde

B. KOENDERS
MINISTER VAN NEDERLANDS

K. GILMORE
MINISTER VAN NEDERLANDS

DIPLOHACK - high level side-event



UNITED NATIONS
HUMAN RIGHTS
OFFICE OF THE HIGH COMMISSIONER

Presentation of Diplohack Challenges

Christophe Peschoux

DIPLOHACK - high level side-event



Summary of the Human Rights Diplohack 2016

Ines Knäpper & Felix Stähli

DIPLOHACK - high level side-event



Video Summary of the Diplohack
<https://youtu.be/N1heXaqMpyl>

True Hero Films

DIPOHACK - high level side-event



Presentation of the Team Results

Kevin Koh, Dr. Robert MacKenzie, Michela Paganini & Brittany Robles, Irene Martinetti & Sasha Iatsenia



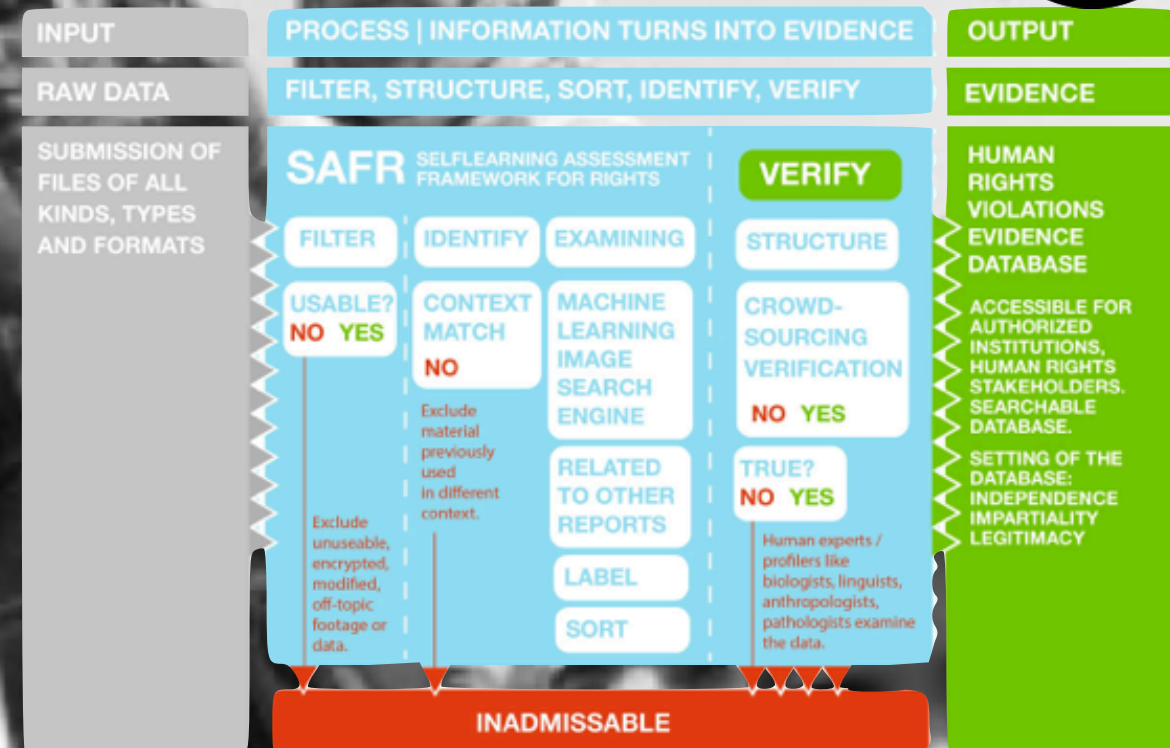
PICTRUE

-

machine learning algorithm identifies if
& what kind of Human Rights violation
happens on any picture & video

Self-learning Assessment Framework for Rights (SAFR)

- integrated tool **incrementally improves** filtering, sorting & verifying images
- based on previous data, tool **increases capacity** to corroborate evidence from as many data sets as possible
- shifts human rights framework **from reactive** model **to proactive** model

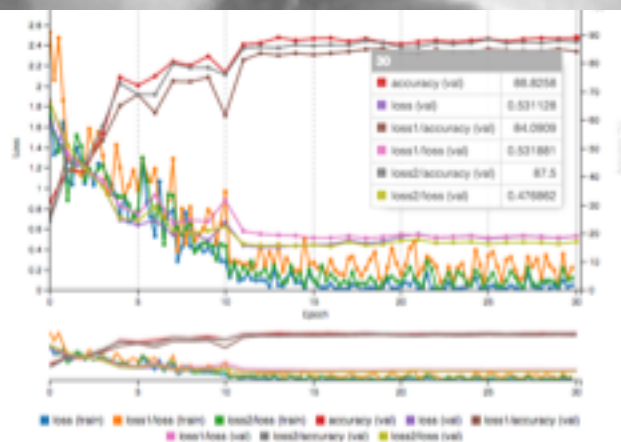


99.99% child classroom
0.01% none
0.0% child classroom
0.0% child labour



58.2% child classroom
31.6% child soldier
8.1% child labour
1.9% none

Machine Learning Image Pattern Recognition





GET THE PICTURE

photo/video verification with
different levels of confidence in the
hand of every Human Rights officer

Human Rights
Geneva
2016

GET THE PICTURE - result



Tools for Verification

- *False Filter* - smart filter identifies “**false, tampered & manipulated**” data files
- *Clusterer* - (semi-) **automated content-based clustering** in “**cases**” (e.g. location & time)
- *Network of Helpers* - essence **crowd sourcing** of selected (prioritized) data sets
- **Ro(Bot)** – actively **scan Internet and social media** for case-related images & videos

False Filter implemented
in online file browser

The screenshot displays the False Filter online file browser interface. At the top, two side-by-side images of a city with thick black smoke rising from it are shown. The left image is labeled "Manipulated" in red text, and the right image is labeled "Original" in green text. Below these images, the interface shows a search bar and a navigation menu with options: File, Data, Help. The main content area is divided into two sections: "Sort by Country" and "Preview". The "Sort by Country" section lists various countries with checkboxes, including Afghanistan, China, France, Germany, Indonesia, Liberia, Malaysia, Nigeria, Russia, Switzerland (selected), Syria, the Netherlands, and Turkey. The "Preview" section shows a list of image thumbnails with their corresponding file IDs. At the bottom, there is a horizontal bar with a color gradient from red to green, indicating the False Filter score, with markers at 0.0, 0.5, and 1.0. Below the bar are three buttons: "False Filter", "Scan Internet", and "Cluster".



FIRST DEFENDER TOOLKIT

-

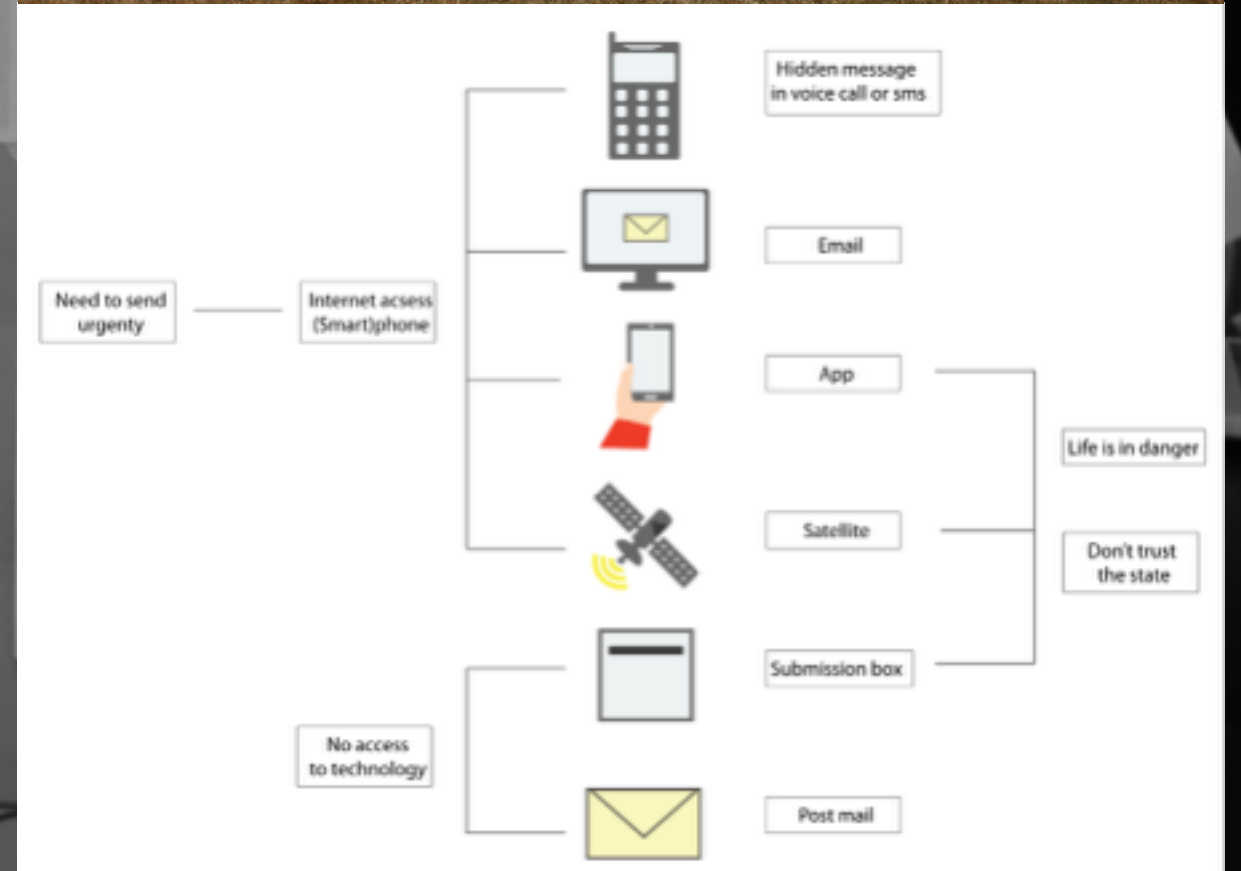
reporting Human Rights violation
without technology expertise &
leaving no trace of who it did

FIRST DEFENDER TOOLKIT - result

easy, high-tech & single-use
satellite transmission box



low-tech classical
mailbox - busy
locations created
by news boards
allow anonymity





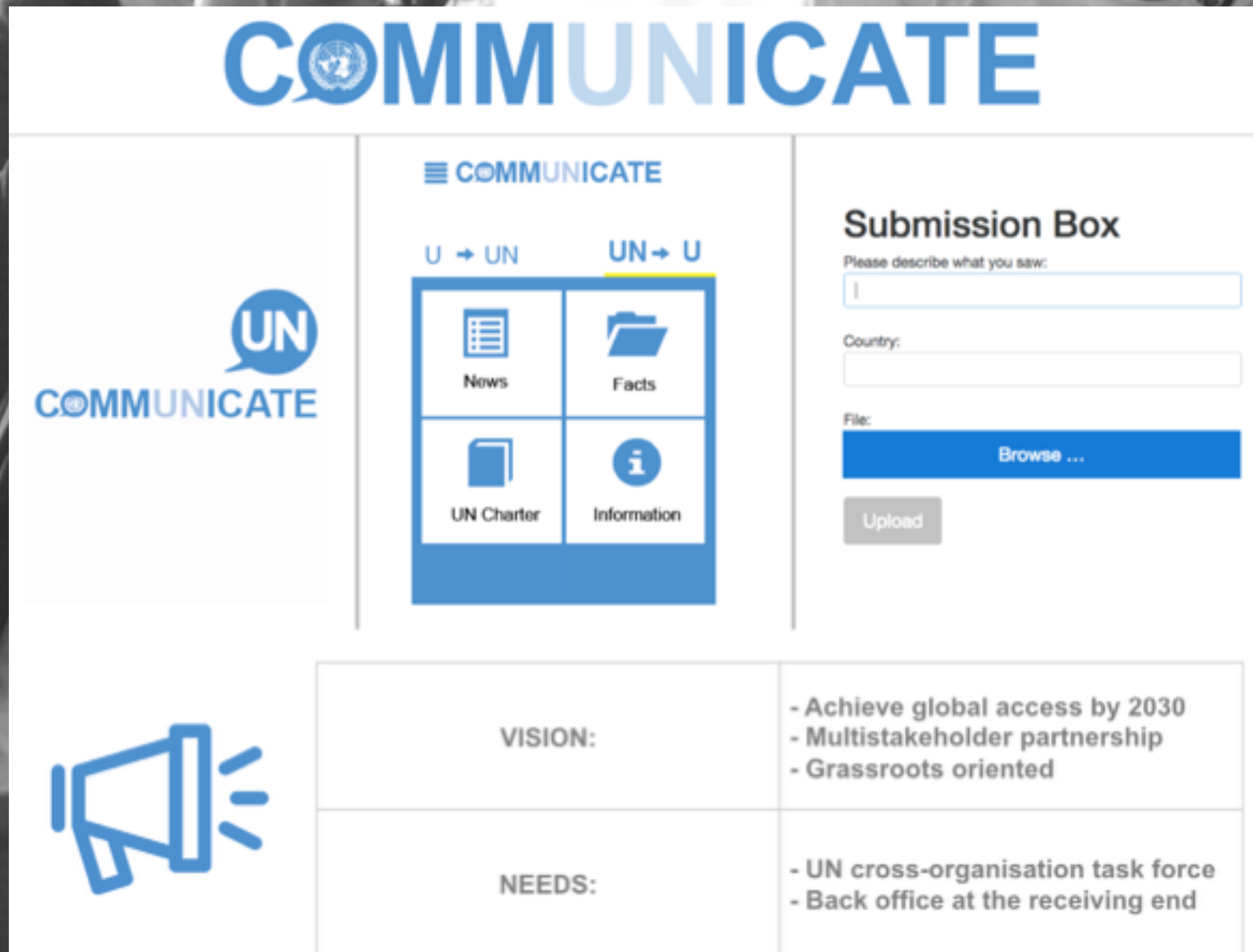
TEAM4EVIDENCE

-

CommUNicate will allow easy, safe,
secure & anonymous communication
with the United Nations

TEAM4EVIDENCE - result

easy & secure
drag-&-drop file
upload



The screenshot shows the 'COMMUNICATE' website interface. At the top, the word 'COMMUNICATE' is displayed in large blue letters. Below it, there's a navigation bar with 'COMMUNICATE' and a menu icon. To the left, there's a 'UN COMMUNICATE' logo. The main content area is divided into two columns. The left column has a grid of four icons: 'News' (document icon), 'Facts' (folder icon), 'UN Charter' (book icon), and 'Information' (info icon). The right column is titled 'Submission Box' and contains a text input field for 'Please describe what you saw:', a 'Country:' dropdown menu, a 'File:' section with a 'Browse ...' button, and an 'Upload' button. At the bottom, there's a table with two rows: 'VISION:' and 'NEEDS:'. The 'VISION:' row lists three points: '- Achieve global access by 2030', '- Multistakeholder partnership', and '- Grassroots oriented'. The 'NEEDS:' row lists two points: '- UN cross-organisation task force' and '- Back office at the receiving end'. A blue megaphone icon is positioned to the left of the table.

VISION:	<ul style="list-style-type: none">- Achieve global access by 2030- Multistakeholder partnership- Grassroots oriented
NEEDS:	<ul style="list-style-type: none">- UN cross-organisation task force- Back office at the receiving end

secure communication
fully embedded in
general UN
communication website,
app & strategy

website & app allow anonymous easy-setup communication

DIPLOHACK - HRC31 birthday present



This DiploHack and OHCHR logo was 3D printed during the hackathon

DIPLOHACK - speech Bert Koenders



“We have to innovate diplomacy.”

Bert Koenders

H. E. Mr. Bert Koenders
-
Minister of Foreign Affairs
of the Netherlands



“We need you, we need innovation for the cause of human rights!”

Bert Koenders

DIPLOHACK - speech Kate Gilmore



“Human Rights 2.0”

Kate Gilmore

“Never forget, always share and act in solidarity.”

Kate Gilmore



DIPLOHACK - testimonials



“This small group of individuals hacked into the future where rights are respected.”

Kate Gilmore



HOPE TO SEE YOU AT
HUMAN RIGHTS
DIPLOHACK 2017



ORGANISERS - Team



Quirine



Frank



Ines



Felix



Rutger



Daniel

ORGANISERS - THE Port



Swiss not-for-profit association, based in the heart of International Geneva.

We foster need driven innovation in the humanitarian sector by combining creative minds from CERN, International Organisations, NGOs, Academia and the Private Sector to work in interdisciplinary teams on topics beneficial to society.

More about our work at: www.theport.ch

ORGANISERS - Impact HUB Geneva



Social innovation lab.

Incubator for purpose driven ventures. Learning community. We are connected to 70+ Impact Hub peer spaces and communities worldwide and focus in Geneva particularly on cross-sectoral innovation.

We offer inspiring work- and ideation space, professional incubation programs and services, as well as frequent events:
geneva.impacthub.net

A large projection screen at the back of a room with an audience. The screen displays the Impact Hub logo and the text 'ANOTHER WORLD IS HAPPENING'. The audience is seen from behind, seated in the foreground.

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ANOTHER WORLD IS
HAPPENING

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