

Welcome!

Feel free to share something about you in the chat

This meeting will be recorded, please agree in the chat

If your connection allows, you are welcome to leave your camera on



Transformation - Urban Opportunities - Climate Change (TUrbOCLiC)

Cross-sectoral group of the TUEWAS and SNGA network of GIZ

Meetup#2: Digital innovation for cities

12 December 2022, 9:00 – 10:30 CET

Scouting

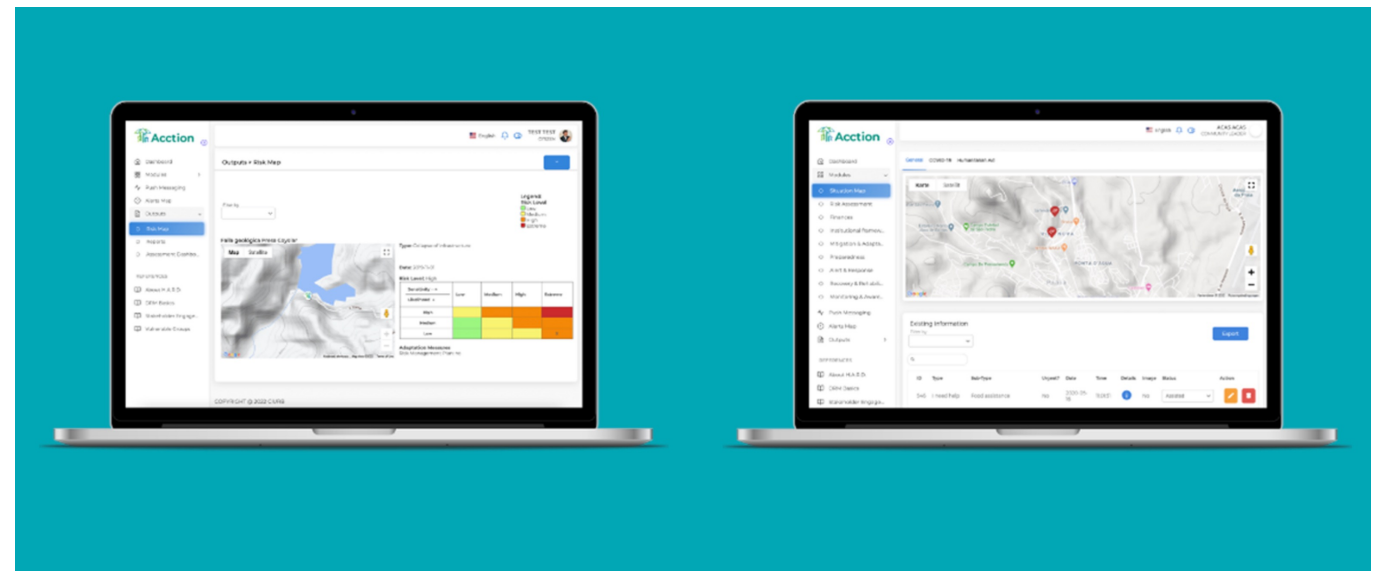
We work with start-ups, the global tech industry, civil society and academia to identify digital innovations.



Scaling

We give breadth to successful digital innovative solutions, bringing real leaps in development to millions of people worldwide.





**SECTOR NETWORK
TUEWAS**

Transport, Environment, Energy,
Water in Asia

**SECTOR NETWORK
SNGA**

Good Governance in Asia

Transformation - Urban Opportunities - Climate Change (TUrbOCLiC)

Cross-sectoral group of the TUEWAS and SNGA network of GIZ

Programme

- **Sebastian Markart** and **Mohammad Ishtiuq Hossain** - Joint Speakers of TUrbOCliC
- Check-in – **Luciana Maia**, TUrbOCliC consultant
- Imagination Journey and Insights about the BMZ digilab – **Stella Deppe**, Policy Advisor Digital Development
- ACCTION – accelerating local disaster risk action – **Evandro Holz** – Urban Engineer and Co-Founder of Clurb
- Q&A and discussing demands and interests from projects / steps forward and check-out

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networking, knowledge management, including peer-learning among programs, regional and technical exchange with national and international partners, strengthening the technical and advisory capacities of GIZ staff and partner experts, and work on developing innovative products.

SNGA



Mohammad Ishtiuq Hossain
(ACCNLDP II, Bangladesh)
WG Speaker



Phillip Reviere
(Division Governance and Conflict)
Tandem-partner

TUEWAS



Sebastian Markart (CSC, India)
WG Speaker

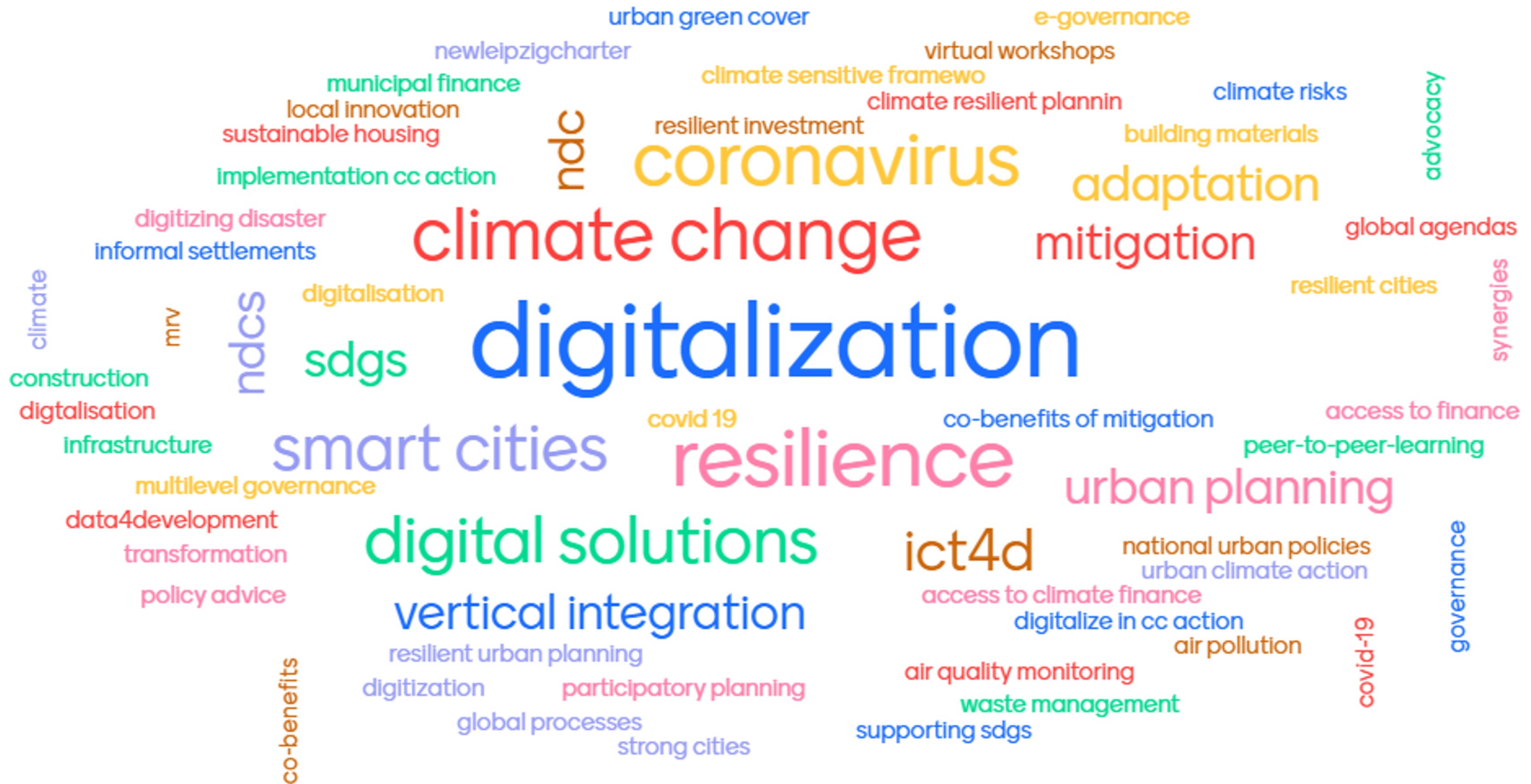


Dr. Sandra Schuster
(Division Climate, Rural Development and Infrastructure)
Tandem-partner



Luciana Maia
Knowledge & community management

Topics



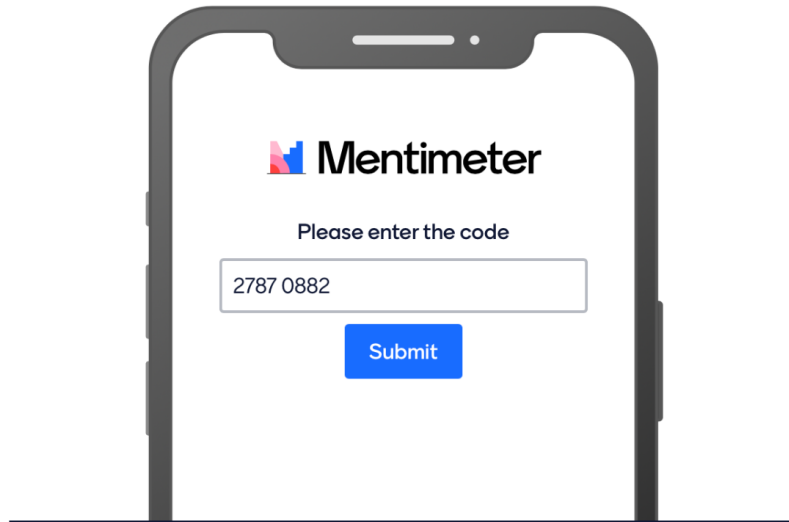
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Check-in

Go to

www.menti.com



Enter the code

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Or use QR code

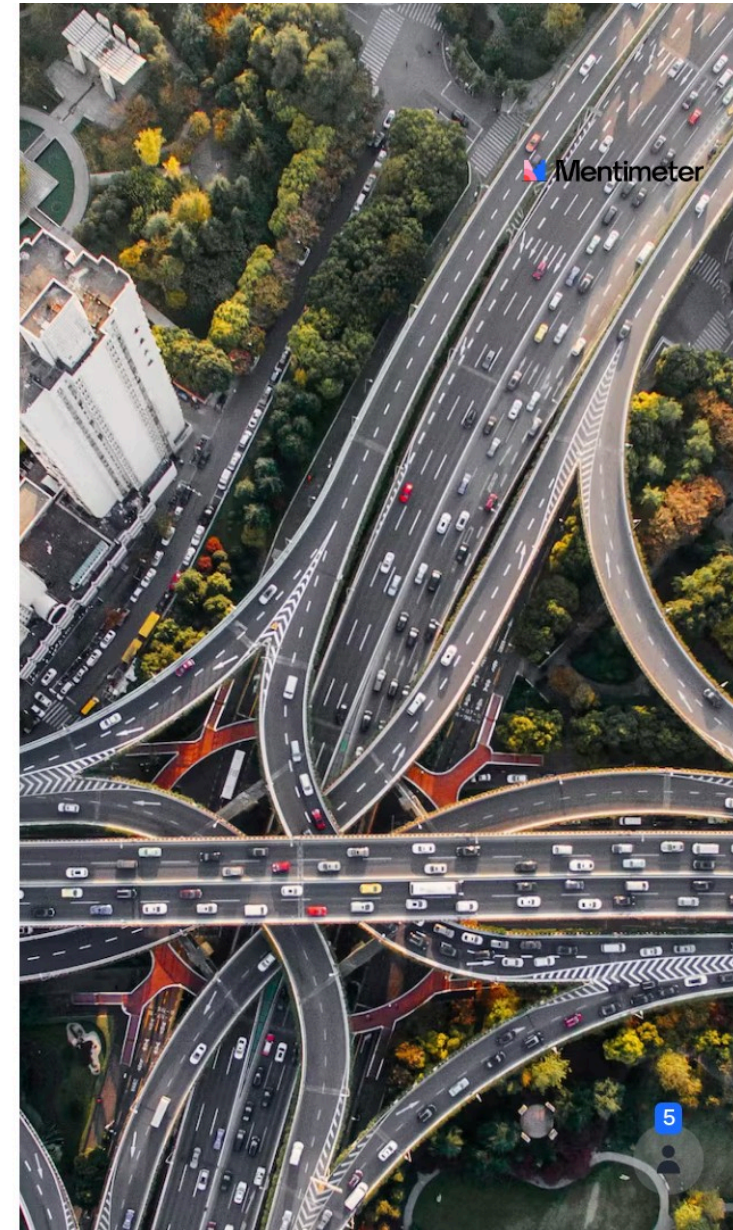


Most striking innovation you have ever seen in a city?

- Pop-up streets
- More and more e cars docking stations
- Doing the very basic but well!
- vertical farming combined with housing
- Sensor-based garbage collection
- Old airports/factories turned into parks - not innovative but very useful
- Overnight infrastructure creation - bicycle lanes, pedestrian overbridge
- Participatory budgeting

Areas where digital innovation is most needed in your urban context

disaster management
traffic management participatory planning
govtech mobility basic services
resilience transparency
participation pollution
administration master plans
garbage collection
parking spaces



Programme

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BMZ innovation lab for digital solutions

Status: November 2022



BILL & MELINDA
GATES foundation

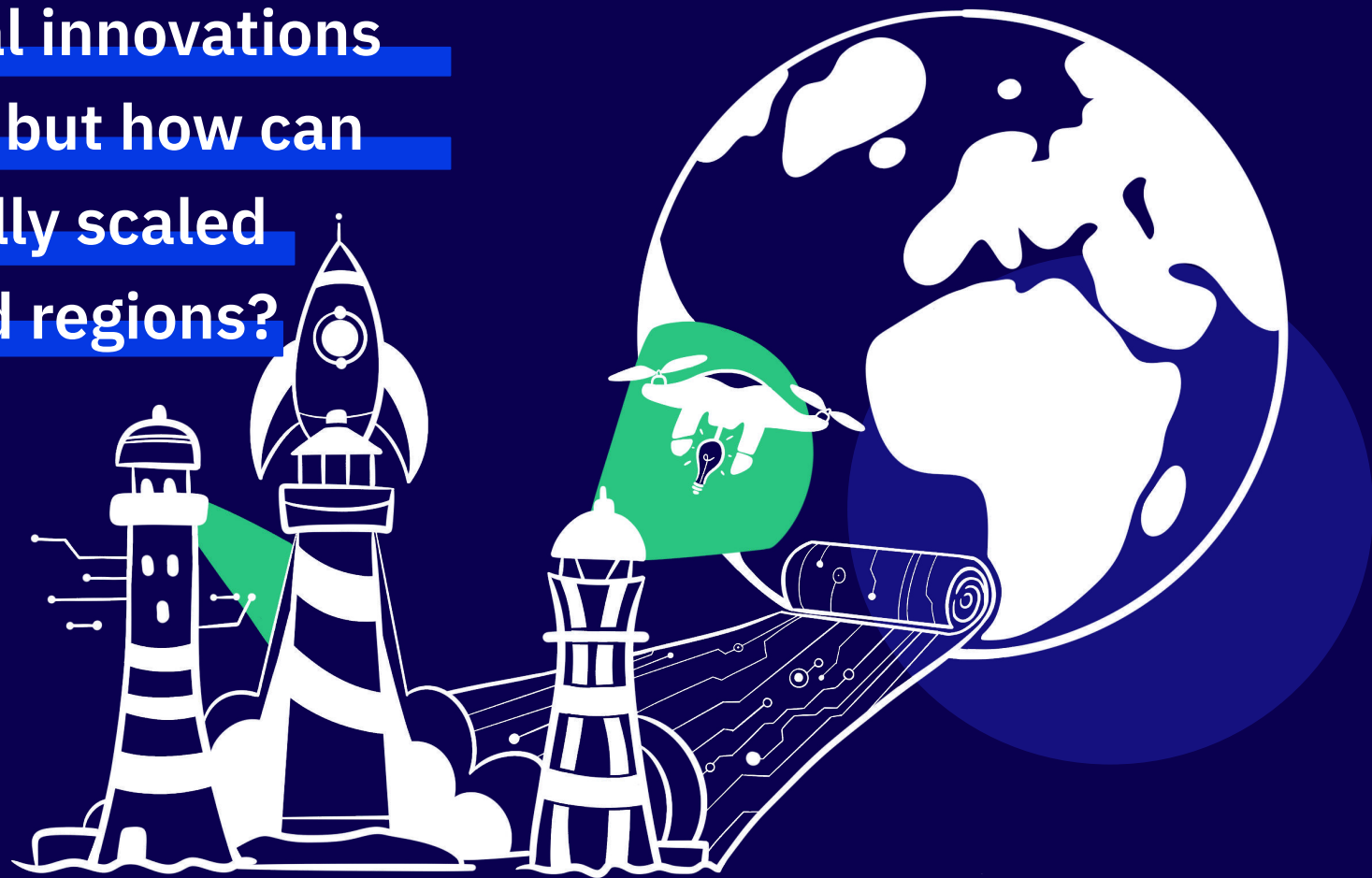
giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

KFW

digilab



There are many inspiring examples of digital innovations around the world, but how can they be successfully scaled across sectors and regions?



Let's be honest: without an inclusive and human-centered digital transformation, the SDGs cannot be reached any longer.

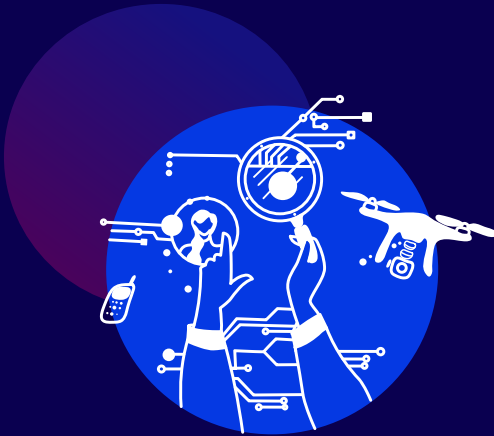


About us

- The BMZ digilab scouts for digital innovations **for international development cooperation**. Our mission: to assist the most innovative approaches to scale their impact and thereby get the digital boost for our projects.
- Drawing on unconventional and agile ways of working from the start-up world, we give concepts and prototypes the boost they need to develop and adapt effectively to different country and sector contexts.
- We help project teams, founders and entrepreneurs turn their ideas into reality by applying **creative working methods**. Working closely with the global tech industry, civil society and academia, we provide them with tools to harness their digital potential.
- As a **booster for digital innovation**, we promote a sustainable world fit for future generations.



Our objectives



Scouting

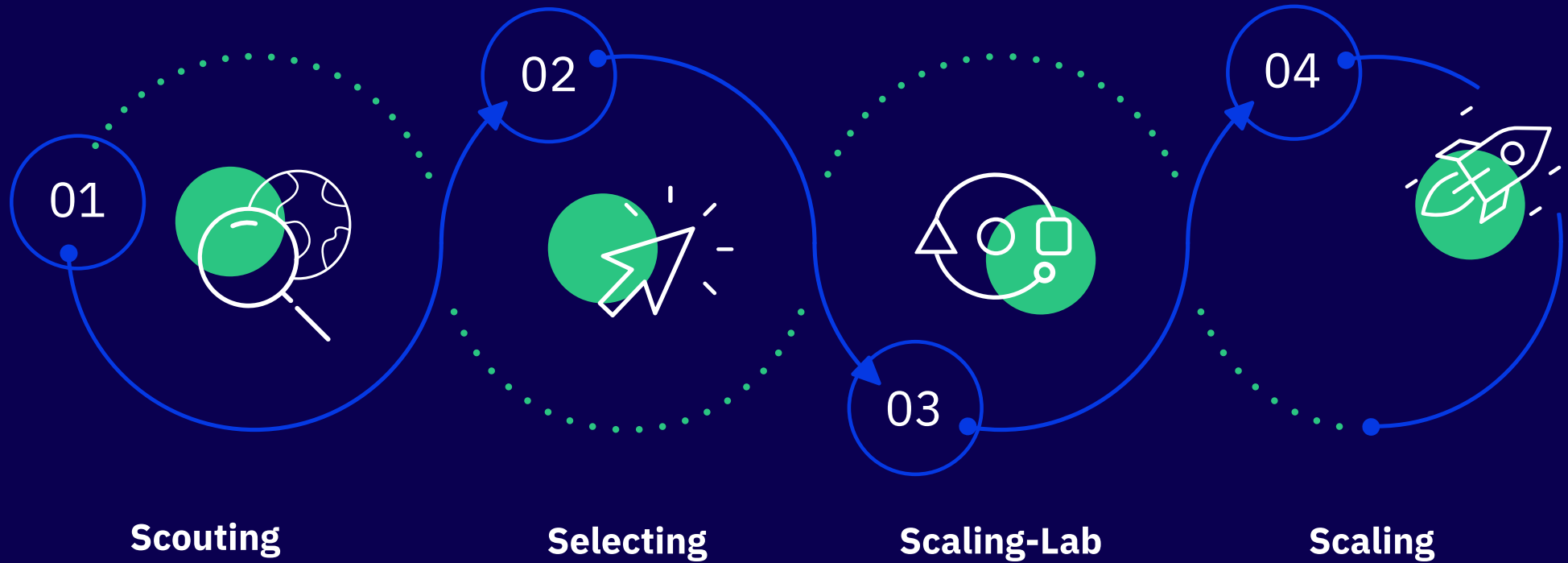


**Scaling
Impact**

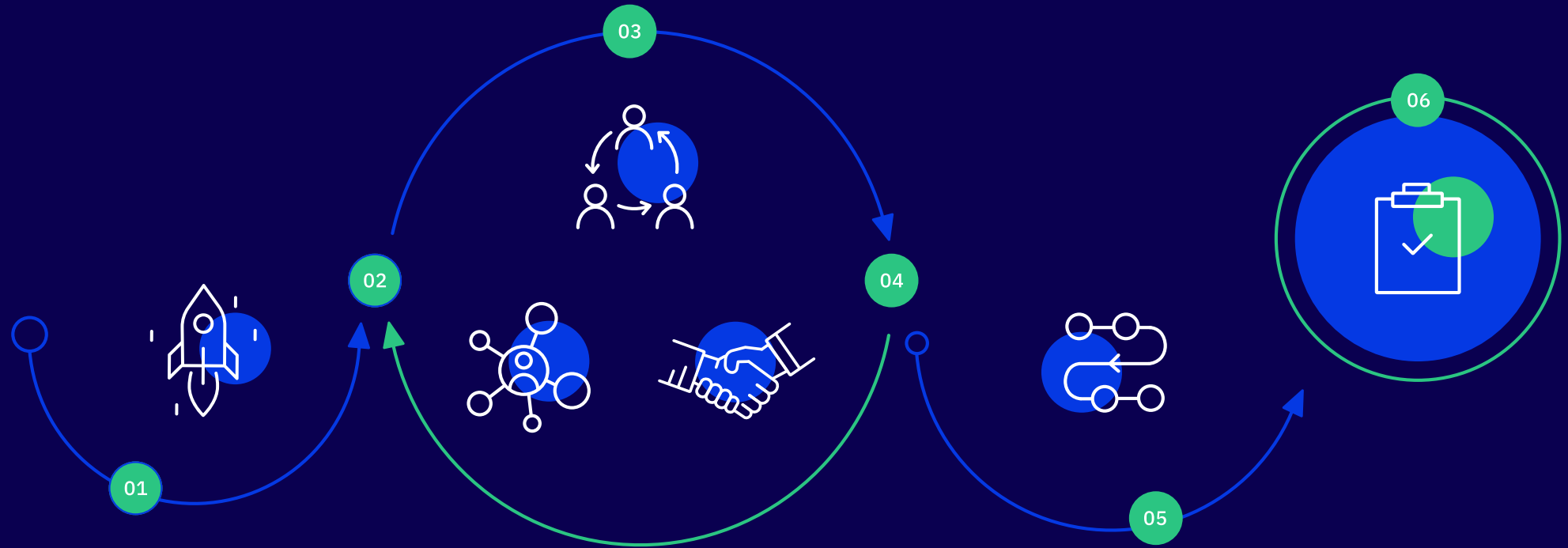


**Changing
Work Culture**

Our approach



Scaling lab



01

Kick off and visioning workshop

Develop a shared vision for scaling up and agree on scalability objectives with core stakeholders.

02

System mapping and stakeholder research

Analyse the stakeholder and system landscape as well as user and stakeholder needs.

03

Scaling strategy co-creation

Based on the needs situation, identify the requisite scaling ecosystem and elaborate a scaling strategy.

04

Partner network & activation workshop

Engage relevant partners from the scaling ecosystem and jointly review the scaling strategy.

05

Feasibility check and action plan

Determine the technical, organisational and financial resources required for the scaling strategy and plan the strategy's rollout.

06

Evaluation and decision-making

Evaluate the validated scaling strategy to determine whether upscaling is still being promoted.

Our lab



What are we working on?

Digital innovations for...



**COVID-19 Pandemic &
Impact Mitigation**



**Feminist
Development Policy**



Just Transition



**Fighting Hunger and
Poverty**

Innovate2030

Partner countries: global

Term: November 2021 to May 2022

Scaling of the winner's solution: Start November 2022

The challenge:

Generating some 60 per cent of global GDP, cities are the engines that drive economic growth, but they also account for around 70 per cent of global CO₂e emissions and consume more than 60 per cent of the world's resources.

Our approach:

We scout the best digital innovations for smart and climate-resilient urban development to meet the challenge of climate change in cities.

Our objectives:

Apply individualised procedures to scale up 7 proven digital solutions.

Further steps: One solution - a disaster risk management tool - will be further accompanied by us with a customized Scaling Lab.



Digital solutions for climate-smart cities:

A global innovation competition to identify the most promising digital solutions for our future in climate-resilient and sustainable cities.

Rural Women Entrepreneurs

Partner countries: from Bangladesh to Malawi, Nigeria, Kenya

Term: since December 2021

The challenge:

People living in rural regions usually have to put up with poorer medical care than those living in towns and cities – this is no different on the continent of Africa.

Our approach:

We are expanding the care structures of national health systems in rural areas through the networking and international roll-out of a telemedical approach tested in Bangladesh.

Our objectives:

Create contactless healthcare services for all rural inhabitants in up to six more partner countries.



Digital health as an opportunity for pandemic response in rural areas:

Innovative telemedical solutions help to alleviate healthcare bottlenecks in rural regions.

Get involved!

Do you have any innovative project ideas for the digilab? If you're looking to cooperate with an unconventional team, BMZ's digilab is the place for you.



digilab@bmz.bund.de



toolkit-digitalisierung.de/innovation/bmz-digilab/

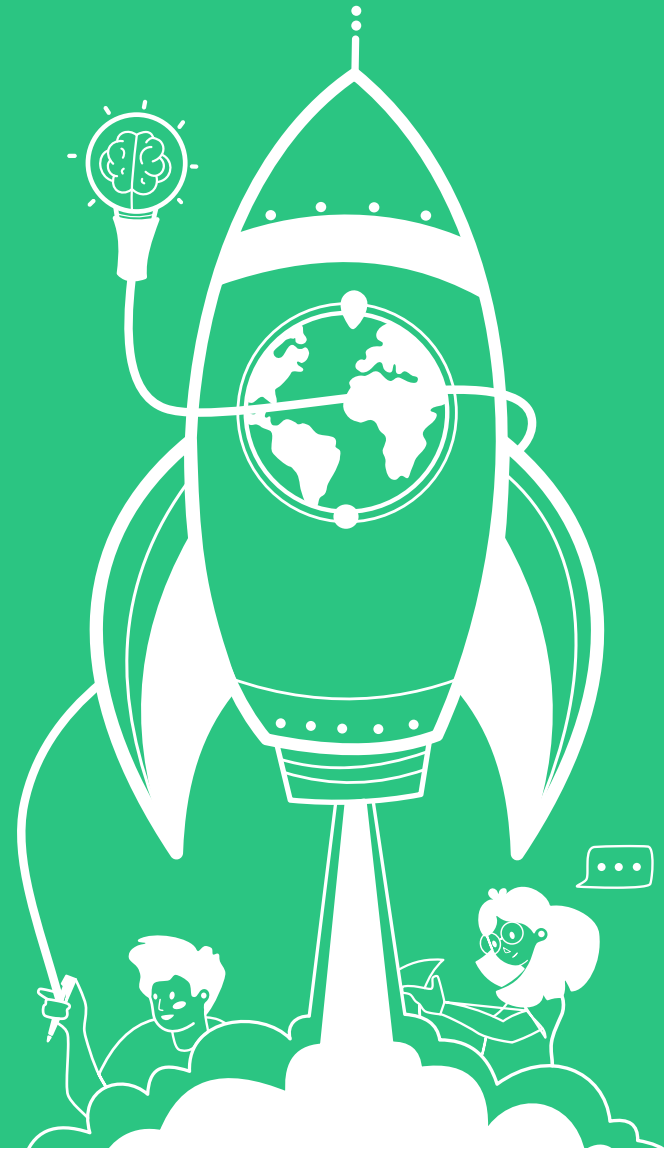


**German Federal Ministry for Economic
Cooperation and Development (BMZ)**

Stresemannstraße 94
10963 Berlin



Thank you.





Acction

by Clurb

DISASTER RISK MANAGEMENT MADE SIMPLE

Pitch Deck | June 2022

Average of one disaster a day*



Only as few as 4%

Cities with disaster with
disaster warning systems



3-16 billion per year

In losses could be avoided
with the use of such
systems

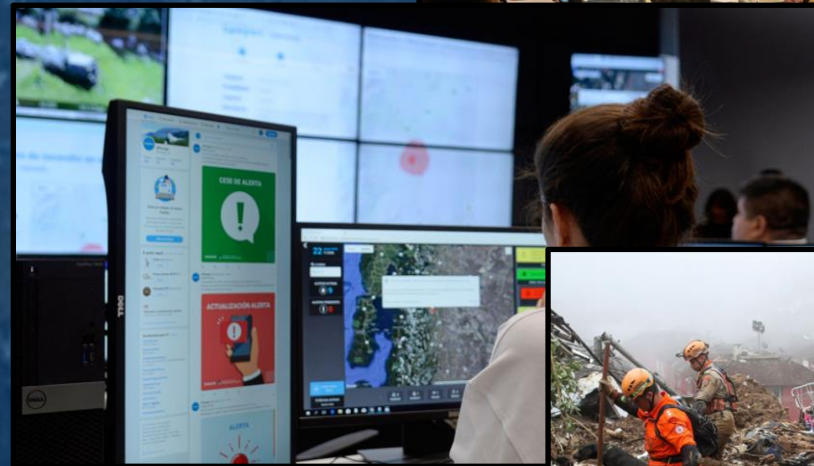


***2021 WMO report on disaster statistics
**Cities Alliance, 2018. Research on 226 Latin-american cities
***2019 Global Commission on Adaptation flagship report 'Adapt Now'*

Current Approach

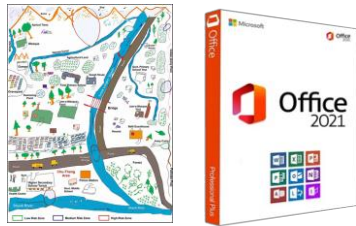
Basic activities necessary for disaster reduction...

1. Map risk areas
2. Calculate and monitor risk levels
3. Send and receive alerts
4. Provide immediate response



Current Approach

Option 1



**Not fit for purpose,
disconnected,
limited impact**



**Usability,
flexibility**

**Technical
robustness**

Option 2



Consultancy firms,
international orgs, NGOs

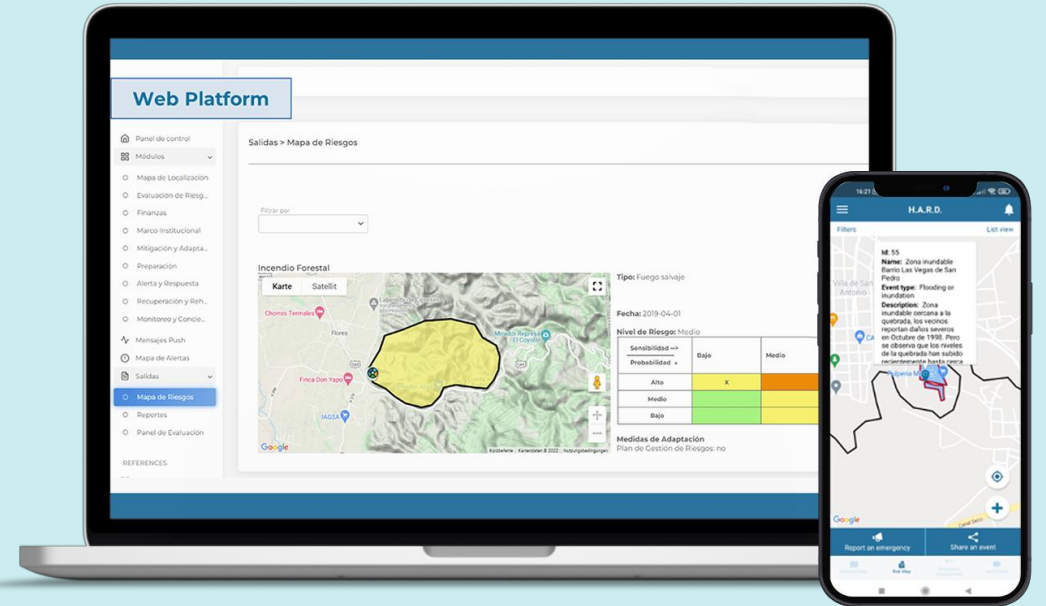
**Expensive, complex,
time-consuming**

Solution

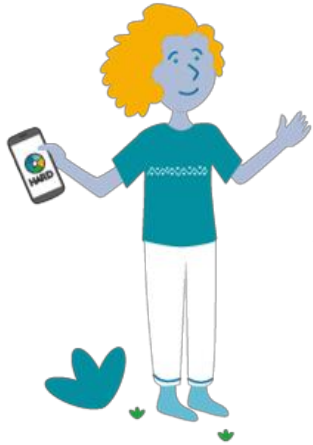


Democratizes risk management, **simplifying** the process of preparing to, responding to and recovering from disasters, allowing cities and communities to **take action** against disasters **in a matter of weeks** and with very **limited external support**.

*previously H.A.R.D.



Outcomes



REDUCED LOSS
of lives and property

ACTIVE AND ONGOING
citizen engagement



FASTER & MORE ACCURATE
emergency response

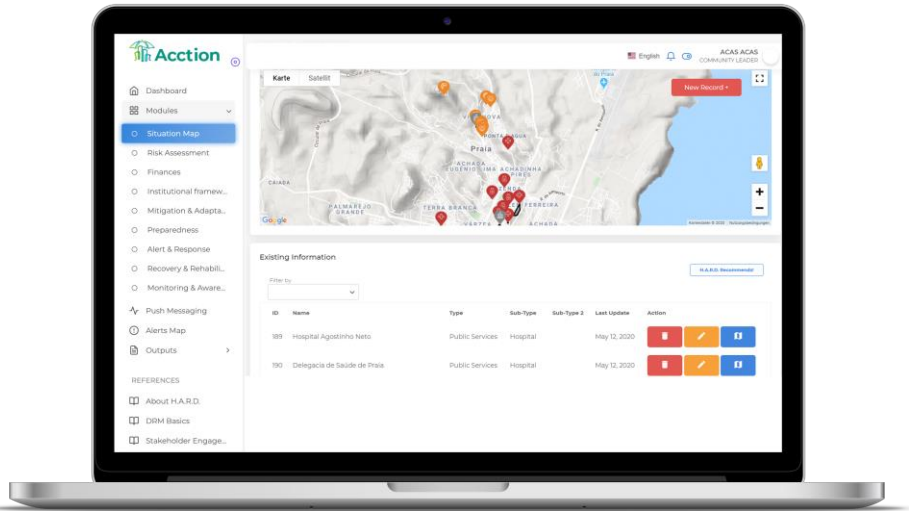
BETTER ALLOCATION
of (scarce) resources



Today

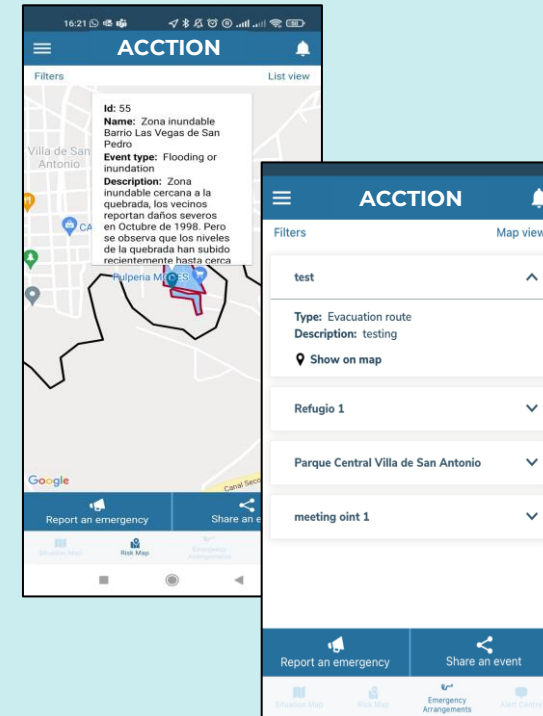


Web Platform



Use by the municipality and other entities that manage operations

Mobile App



Use by the population and response teams



Structure



DIAGNOSIS



ACTION



Brazil - Teresina



VULNERABILITY MAPPING AND RISK ASSESSMENT

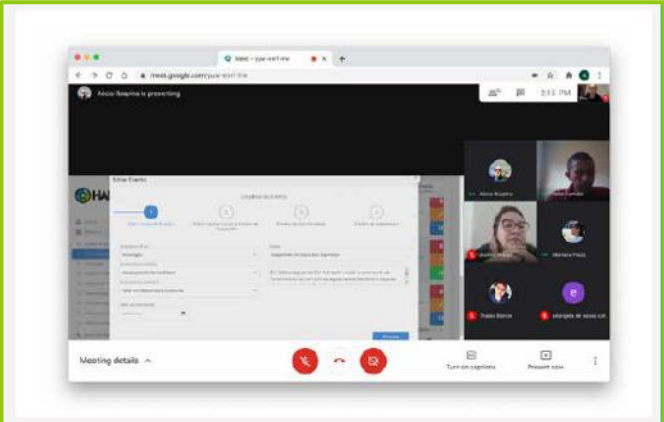


Figura 2: Foto do Workshop 1.

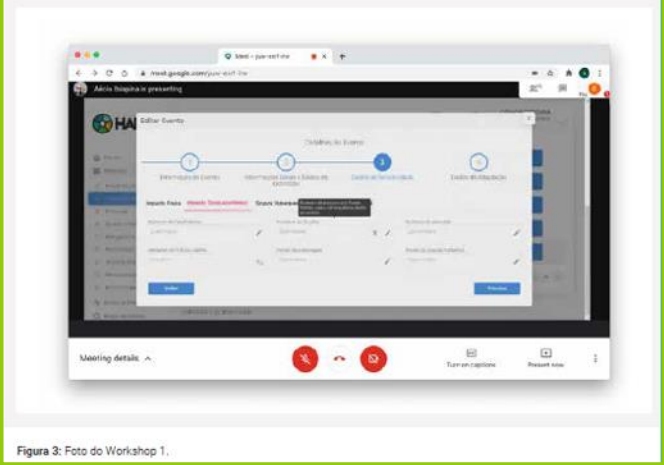


Figura 3: Foto do Workshop 1.

RESILIENCE PROFILE

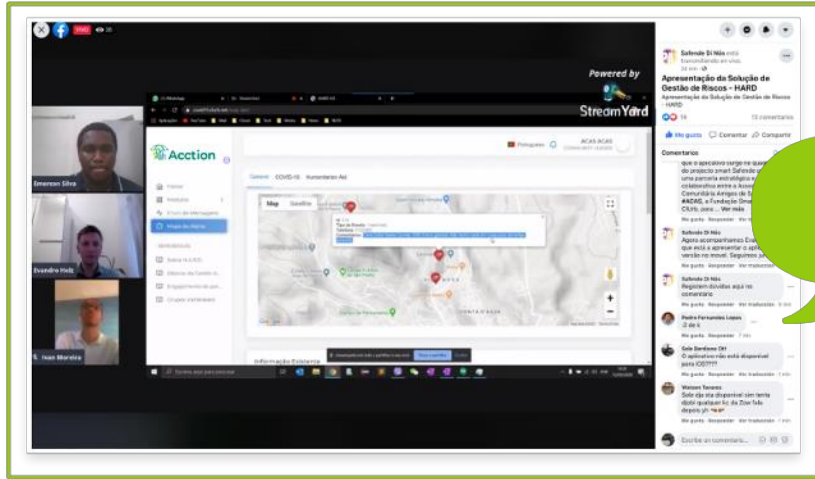


Year: 2020

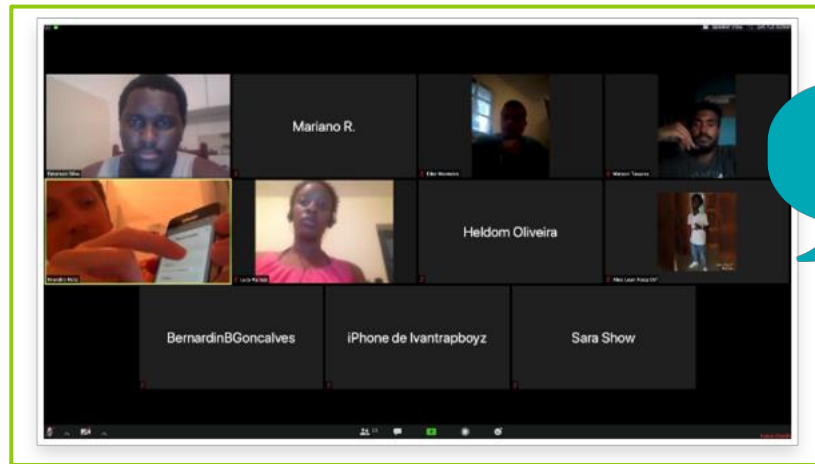
The city of Teresina used ACCTION (H.A.R.D.) to collect and analyse data to perform the risk assessment as part of the development of their Urban Resilience Profile, in collaboration with UN-Habitat.



Cabo Verde - Safende

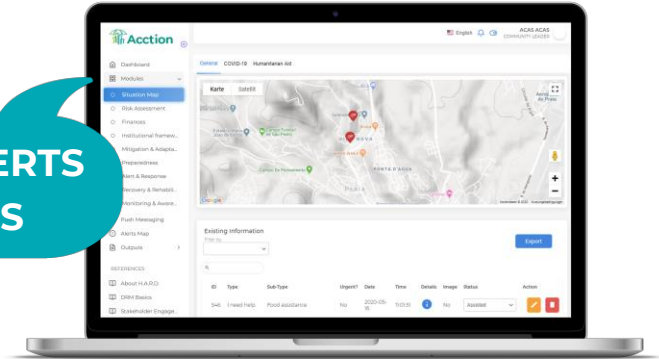


ONLINE
PUBLIC EVENT

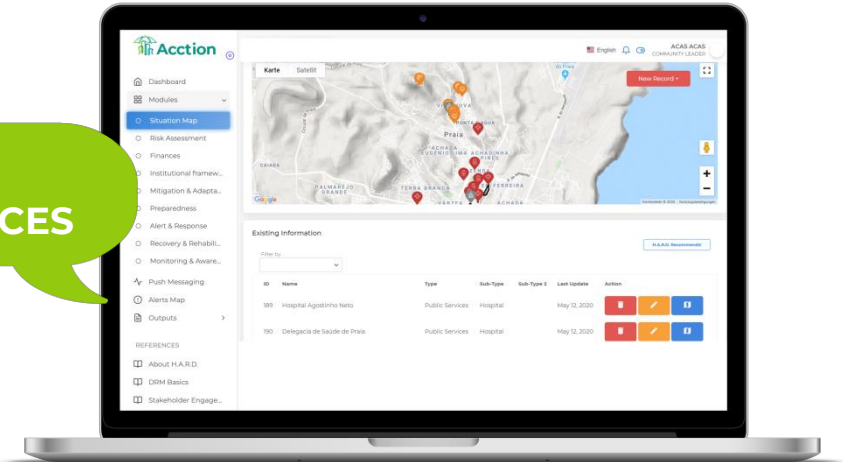


TRAINING SESSION

FOLLOW UP ON ALERTS
SENT BY CITIZENS



MAPPING OF
ESSENTIAL SERVICES



Year: 2020

The community association used ACCTION (H.A.R.D.) during the first stages of the COVID-19 pandemic to exchange alerts and other critical information with the residents.



Honduras – Villa de San Antonio



**COLLABORATIVE
MAPPING**



**ACTION PLAN
DEVELOPMENT**

DISASTER RISK MANAGEMENT PLAN



PLAN MUNICIPAL DE GESTIÓN DE RIESGOS



Municipalidad Villa de San Antonio, Comayagua, Honduras

Diciembre de 2019

Year: 2019

The city task force used ACCTION (H.A.R.D.) to collect and analyse field data for the development of the municipal Disaster Risk Management Plan.



Target / partners



HOSTED BY
UNOPS



Commercial Strategy: • Software as a Service • B2G, B2B2G

Where we are



7 countries
6 million people*



Working at the community,
city and province levels

*Sum of the population of the regions we have worked with



Team



Evandro Holz

CEO

Urban Manager (TU Berlin)
Engineer with 15 years of experience in 25 countries, working with United Nations, German cooperation, ERM (global leader in sustainability consulting)



Mariano Rossi

CBO/CFO

Urban Manager (TU Berlin)
Political scientist with 12 years of experience in the public sector (national and local levels) and international cooperation



David Katz

CTO

Full stack entrepreneurial software developer with strong finance and economic skills, and background in data science



Eliana Silva

Business development
Urban Manager/
Economist



Andra Brandhofer

UX/UI Expert



Jhonny Rojas

Software Developer
Frontend, backend



Maria Ligia Vianna

Business development -
Brazil



Gustavo Brant

Urban Manager



Paola Njoki

Business development
– East Africa
Urban Planner



Nikunj Kakadiya

Software Developer
Deskcode team
Mobile app



Awards and programs



Fondo Semilla (2018): seed funds for social innovation start-ups

ST>RT-UPCHILE

Startup Chile (2019): one-year accelerator programme and grant (Generation 21)



GründungsBONUS (2021): funds from the Berlin Investment Bank's funding programme for social innovation start-ups with technology elements

INNOVATE 2030 2011

Innovate2030 (2022): awarded 1st place in the urban resilience competition and 3rd place overall (among more than 230 startups)



Ideagov (2022): acceleration programme on Smart Cities and Impact of the open innovation hub of the São Paulo State Government in Brazil (3rd edition)



Mentions



Informando el informal (Informing the informal) (Interamerican Development Bank, 2021): ACCTION (H.A.R.D.) mentioned within the compendium of tools within this manual that provides policy makers with alternatives of different methodologies for collecting information in informal areas.



Compendium of people-centered practices (UN-Habitat, 2022): ACCTION mentioned in this collection of innovative solutions (tools, mobile applications, digital platforms, reports, trainings, guidelines, etc.) that contribute to improving quality of life in cities and regions.

Social media,
newspaper articles,
and others

Application in the city of Teresina, Brazil: <https://tinyurl.com/2p9b67ru> (reference by UN-Habitat's Executive Director), <https://tinyurl.com/st3wktsu>

Application in the community of Safende, Praia, Cabo Verde: <https://tinyurl.com/55uxejci>, <https://tinyurl.com/wx7393jz>

Application in the city of Gualeguaychú, Argentina: <https://tinyurl.com/rstzkyfb>





Clurb

Contact

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