



DATA-POP  
ALLIANCE

# OVERVIEW and OUTLOOK

2020-2022

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Changing the World with Data



## **Overview and Outlook 2020 - 2022**

Data-Pop Alliance

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Photo credit: Random Institute/Unsplash.com

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ABOUT

# ABOUT DATA-POP ALLIANCE

Data-Pop Alliance is a not-for-profit collaborative thinktank of researchers, experts, practitioners, policymakers, and activists created in 2013 in partnership with MIT, Harvard and ODI. We aim to change the world with data through our three pillars of work: diagnosing local realities and human problems with data and AI; mobilizing capacities, communities, and ideas towards more data literate and inclusive societies; and ultimately, transforming the systems and processes that underpin our datafied communities and countries.

## Pillars of Work



DIAGNOSE



MOBILIZE



TRANSFORM

## Founding Organisations



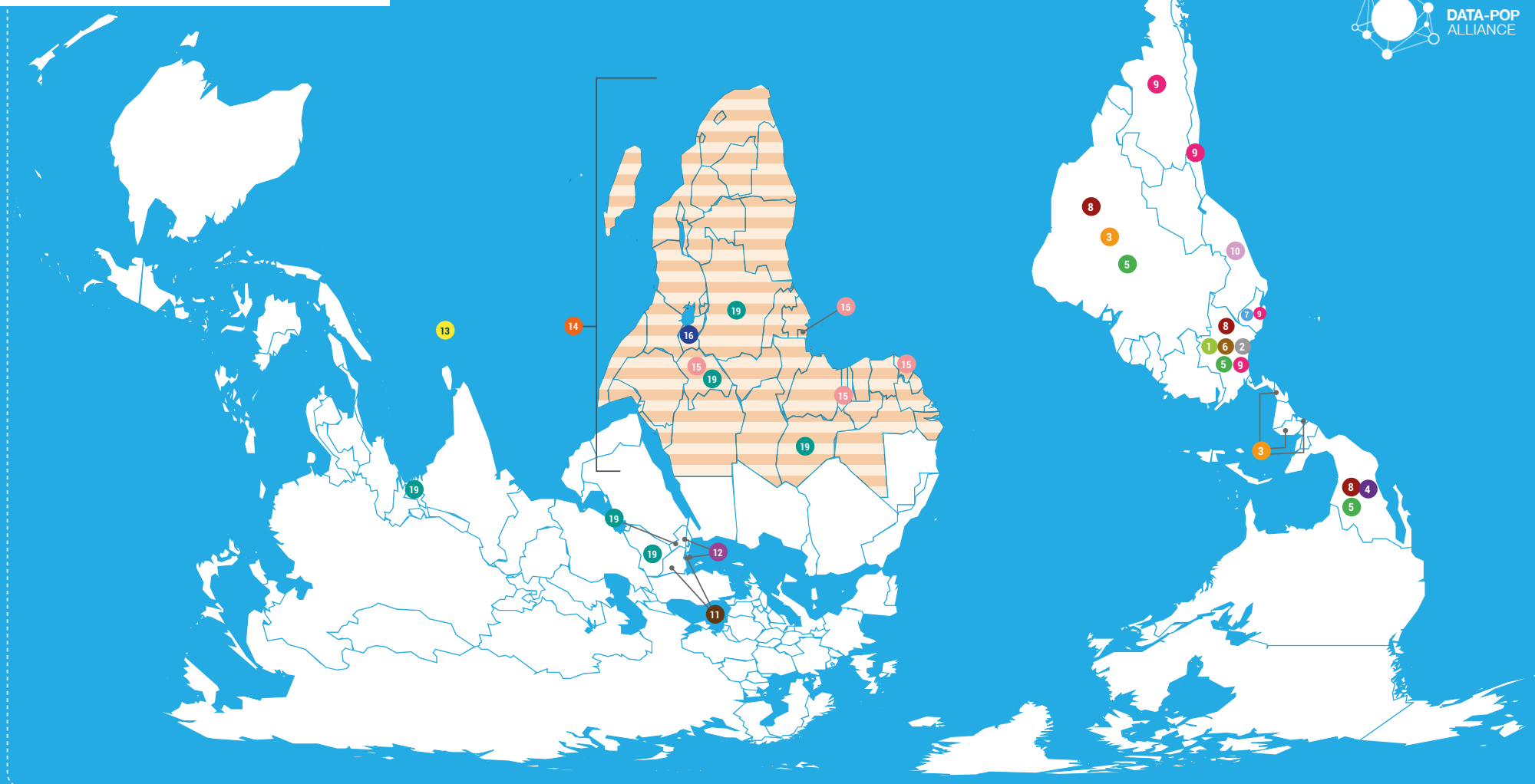
**HARVARD  
HUMANITARIAN  
INITIATIVE**



**MIT Connection Science**  
the technology of innovation



# PROJECTS 2020



## LATIN AMERICA AND THE CARIBBEAN

- 1 Ciudadata Segura**  
 Partners: Inter-American Development Bank, Fondazione Bruno Kessler (FBK), National Police of Colombia, Citizens Crime Commission, Harvard Humanitarian Initiative (HHI)  
 Country: Colombia
- 2 Course “Human Artificial Intelligence for Human Development”\***  
 Partner: Los Andes Summer School in Economics  
 Country: Colombia
- 3 Criteria: An Interactive Decision Support System\***  
 Partners: ProsperIA and the Inter-American Development Bank  
 Countries: Brazil, Costa Rica, El Salvador, Honduras
- 4 Datamex: “Mundos Paralelos”\***  
 Partner: Oxfam Mexico  
 Country: Mexico
- 5 EmpoderaData\***  
 Partner: University of Manchester  
 Countries: Brazil, Colombia, Mexico
- 6 National Big Data Strategy for Colombia\***  
 Partners: The Department of National Planning (DNP) and Innpulsa  
 Country: Colombia
- 7 Project Cycle Hacking Toolkit: Leveraging Non-Traditional Data Sources Along the Project Cycle\***  
 Partner: GIZ Data Lab  
 Country: Ecuador
- 8 Reporting and Registering Domestic Violence Against Women and Girls in Mexico\*, Bogotá and São Paulo: An Analytical Model**  
 Partners: GIZ Data Lab and Unidas  
 Countries: Brazil, Colombia, Mexico
- 9 The Impact of Lockdown Restrictions on Mobility, Income and Employment**  
 Partners: UNDP and Grandata  
 Country: Argentina, Colombia, Chile, Ecuador, Mexico

- 10 Workshop “Aprendizaje de máquinas en imágenes satelitales para el cálculo de un indicador ODS”\***  
 Partner: Instituto Nacional de Estadística e Informática (INEI)  
 Country: Peru

- 16 GIZ FAIR Forward Consultation on International AI-Policy and Data Governance Policies**  
 Partner: GIZ FAIR Forward  
 Country: Uganda

## MIDDLE-EAST AND NORTH AFRICA

- 11 Leveraging Behavioral and Humanitarian Data Sources to Analyse the Development Challenges Faced by Syrian Refugees and Host Communities in Lebanon\***  
 Partners: UN-ESCWA, Central Administration of Statistics (CAS), Qatar Computing Research Institute (QCRI)  
 Countries: Lebanon and Syria
- 12 Leveraging Big Data Sources for COVID-19 Response, Policy Evaluation and Analysis in Lebanon and Jordan**  
 Partner: UN-ESCWA  
 Countries: Jordan and Lebanon

## GLOBAL

- 17 GIZ Customized Data Sharing Toolbox and Recommendations for GIZ’s Data Strategy**  
 Partner: GIZ Data Lab
- 18 Mobile Data for Development (MD4D) Handbook**  
 Partner: Digital Impact Alliance (DIAL)
- 19 Strategic Evaluation of the World Food Programme’s (WFP) Use of Technology in Constrained Environments**  
 Partner: ADE  
 Countries: Bangladesh, Democratic Republic of Congo, Iraq, Jordan, Niger, South Sudan
- 20 The C-19 Global South Observatory\***  
 Partner: ADE
- 21 Using Data to Fight COVID-19 - And Build Back Better\***  
 Partner: Vodafone Institute for Society and Communications

## SOUTH ASIA

- 13 Leveraging Big Data Sources to Map Demographic Impacts of COVID-19 in Maldives**  
 Partner: UNFPA  
 Country: Maldives

## SUB-SAHARAN AFRICA

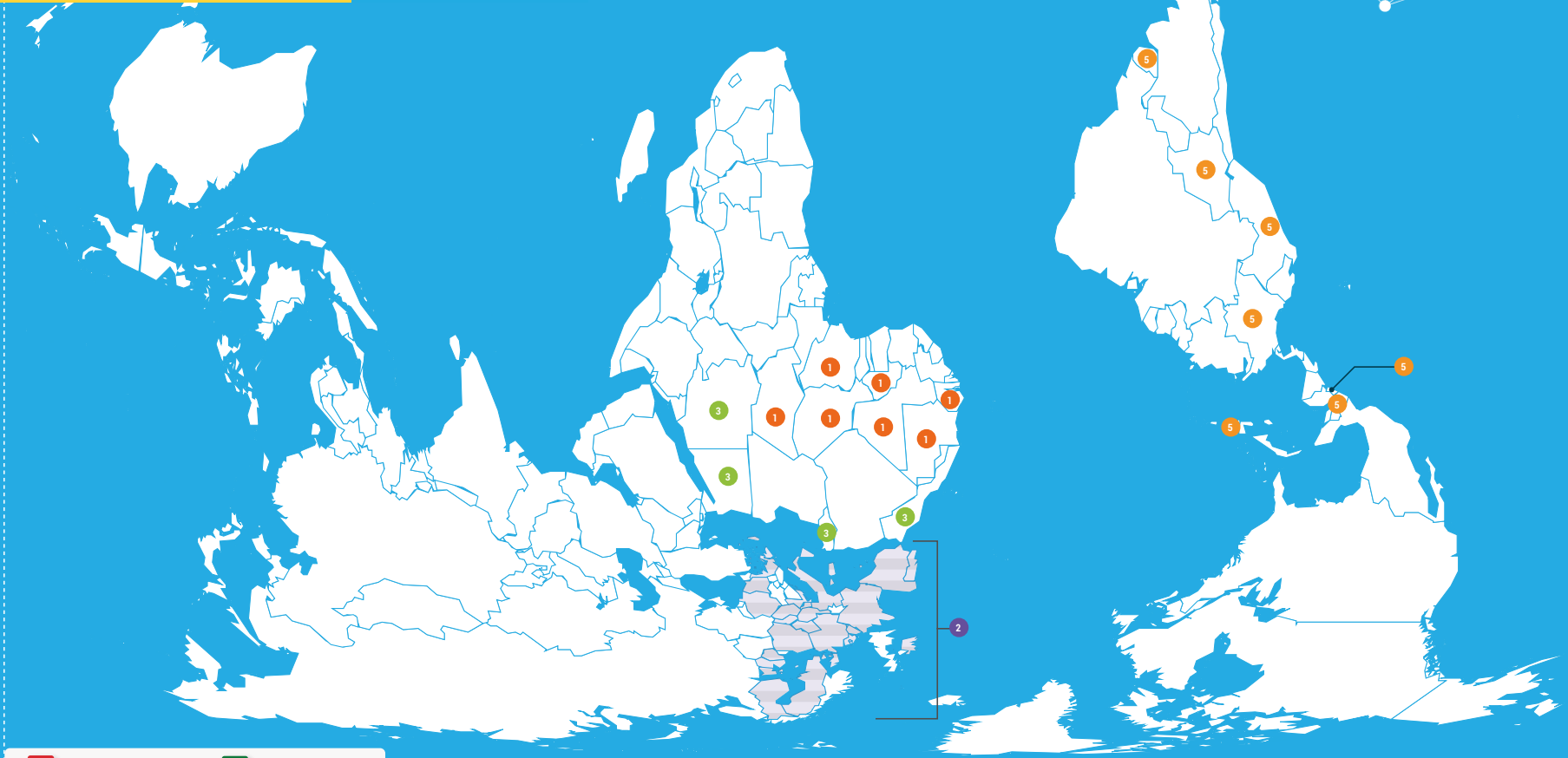
- 14 Assessment of the European Commission’s Work in Digitalisation in Sub-Saharan Africa\***  
 Partners: Analysis for Economic Development (ADE) and EU DEVCO  
 Regional focus
- 15 Assessment of the Impact and Implications of COVID-19 in Sub-Saharan Africa\***  
 Partners: UNDP Country Offices  
 Countries: Equatorial Guinea, Liberia, South Sudan, Togo



### Notes:


1. The projects marked with an asterisk (\*) were completed during 2020. All others are ongoing in 2021.
2. For more information on the workshops/webinars, go to page 19.

# PROJECTS 2021



**1 Assessment of Socioeconomic Impacts of COVID-19 and Role of Disaster Risk Governance in Seven Countries of Western Sahel and Lake Chad Basin** 

Partner: UNDP  
 Countries: Burkina Faso, Chad, Mali, Mauritania, Niger, Nigeria, Senegal

**3 Mental Health and Gender Inequality in the MENA Region: An Analysis of Shock Related Factors Within the Context of the COVID-19 Pandemic** 

Partners: The Economic Research Forum (ERF) and Agence Française de Développement (AFD)  
 Countries: Egypt, Morocco, Sudan, Tunisia

**5 Strengthening Big Data Technical Capacities for Sustainable Development in Latin America and the Caribbean** 


Partner: Spanish Agency for International Development Cooperation (AECID)  
 Countries: Bolivia, Colombia, Dominican Republic, El Salvador, Guatemala, Uruguay, Peru

**2 Evaluation of the European Union Cooperation with the United Nations** 

Partners: ADE and the European Union Directorate - General for Neighbourhood and Enlargement Negotiations (DG-NEAR)  
 Focus: European Union

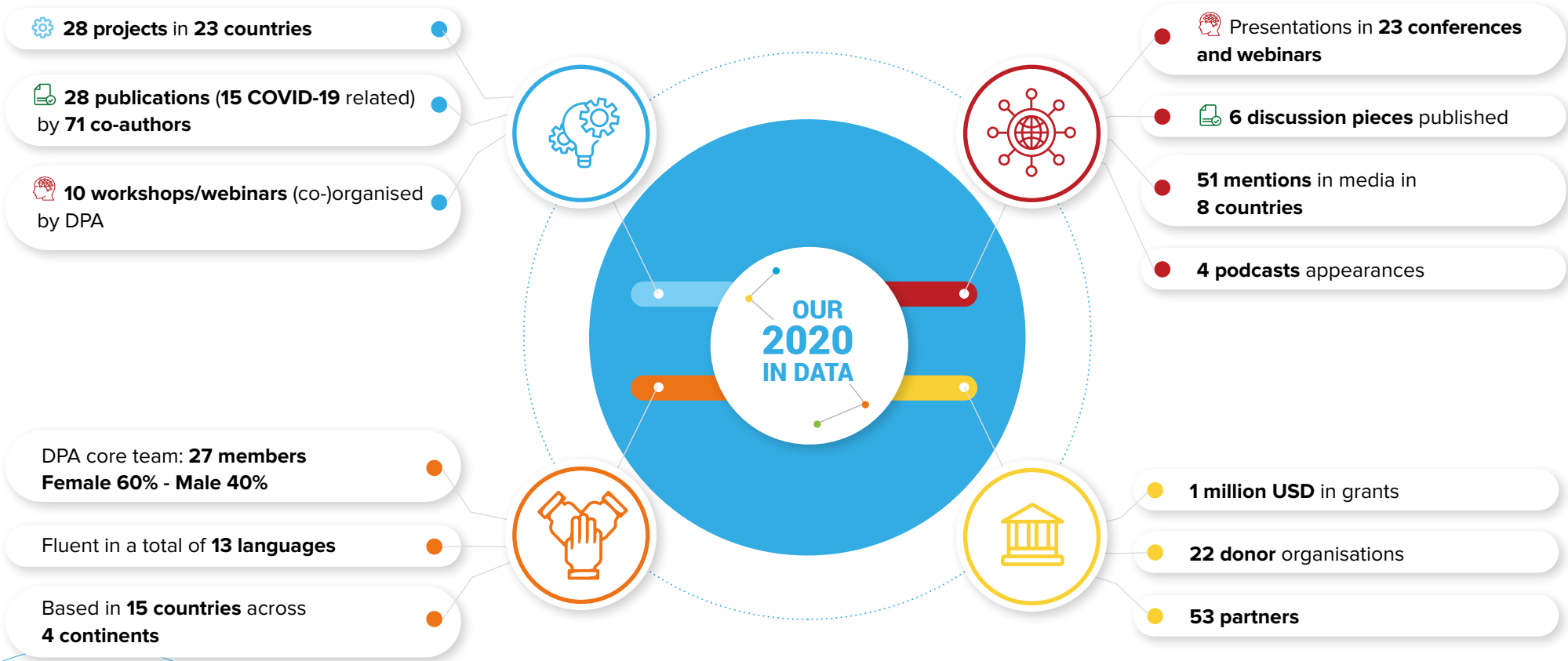
**4 Policy Note on Building Back Better and More Resilient Livelihoods and Economic Recovery Approaches and Solutions in Fragile, Crisis and Post-crisis Settings** 

Partner: UNDP  
 Focus: Global

**6 World Trends in Freedom of Expression and Media Development Report** 

Partner: UNESCO  
 Focus: Global

# OUR 2020 IN DATA





**2020  
OVERVIEW**



# 2020: 2020: A YEAR IN REVIEW

2020 exposed and exacerbated pre-existing fault lines that had been previously ignored or minimised by those who claimed 2019 to be ‘the best year in history’ only months before the pandemic shredded the veil of feigned ignorance. Data exposed systemic inequities and structural imbalances when it showed, for example, that reducing mobility was ‘a luxury’ that poor populations would have a hard time affording. It was soon evident to us that COVID-19 would severely affect the most vulnerable parts of the globe because of its impact on trade, tourism, international aid, and more. Years and perhaps decades of slow progress on major indicators — including extreme poverty and gender equality — could be reversed, and negative trends accelerated, including environmental degradation, social polarisation, income concentration, etc. In March 2020, we developed an ambitious ‘COVID-19 Global South Response and Recovery’ plan to help “rewire our systems and synapsis to build a better future”. Since, we have been working with partners in a dozen countries in Africa, Latin America and Asia, to assess the impact of COVID-19, assist in early responses, and suggest medium-term policy options. We also continued and amplified our pre-COVID-19 work in priority areas—inequalities, migration, violence, human AI...—in the next context created by the pandemic. In 2020, our mission statement, more than ever before, was “changing the world with data”—not in a cosmetic and opportunistic manner but in a bold yet incremental way, for and with local partners and communities, by strengthening evidence, enhancing efficiency, fostering accountability, increasing inclusion, building data literacy, etc. We did this with the reach and means of a medium-sized not-for-profit organisation, but with all our hearts and minds. The next few pages feature key projects developed in 2020, all of which are consistent with 4 core values that make up the word **DATA**.

## OUR VALUES

**D**

**for Down-to-earth:** we work with team members and partners in the Global South, especially in Latin America and the Caribbean, Sub-Saharan Africa, the Middle-East and North Africa, to try and answer local human problems with local human perspectives.

**A**

**for Academic excellence:** we strive to meet the intellectual standards of our founding groups at Harvard and MIT and are privileged to be able to rely on some of the best minds in the world to do so.

**T**

**for Trans-disciplinary:** we cover and combine expertise and experiences in several disciplines including data and computer sciences, economics, demography, ethics, political science, humanitarian action (and even some cartooning).

**A**

**for Activism:** we aim to contribute to real social change in particular greater equity in the post-COVID-19 world by reflecting and promoting humanistic values of inclusion, participation and empowerment.



# DIAGNOSE

Data are lenses through which we capture and make sense of facets of the human experience, however imperfectly. By combining different types of data sources and analytical approaches with our local partners we seek to unveil and understand patterns, causes and effects of major development processes. Our hope is to produce evidence that can change policies and behaviours.



## 2020 THEMATIC AREAS

1. Inequalities and Discriminations
2. Migration and Displacement
3. Crime and Violence
4. Sustainable Futures
5. Human AI and Society
6. COVID-19

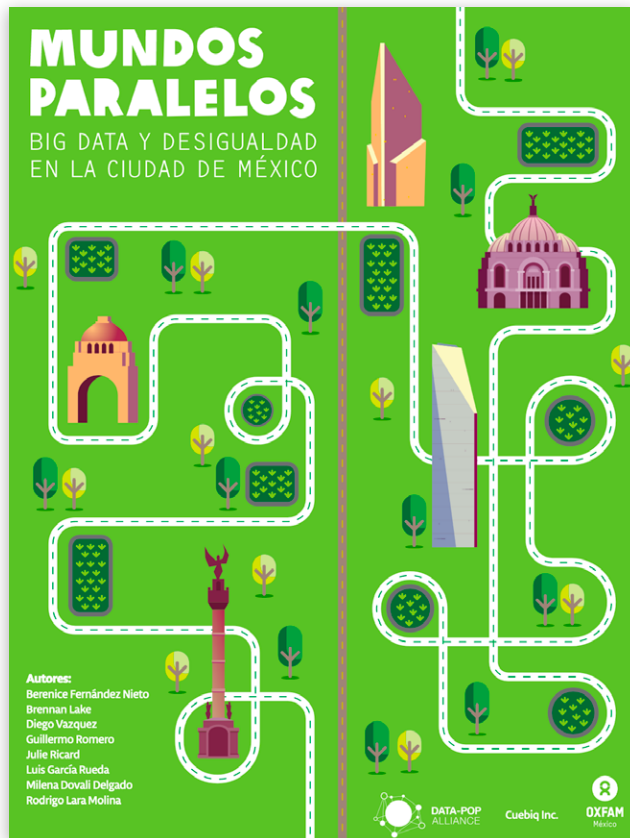


## PUBLICATIONS

- ✓ **28 publications**,  
15 COVID-19 related
- ✓ Collaboration with  
**71 co-authors**
- ✓ Published in **English (22)**  
and **Spanish (6)**

# INEQUALITIES AND DISCRIMINATIONS

## Research Study “Mundos Paralelos: Big Data y desigualdad en la Ciudad de México [Parallel Worlds: Big Data and Inequality in Mexico City]”



### Authors:

Berenice Fernandez Nieto, Brennan Lake, Diego Vazquez, Guillermo Romero, Julie Ricard, Luis Garcia Rueda, Milena Dovalí Delgado, Rodrigo Lara Molina

### Partner:

Oxfam Mexico and Cuebiq

Using mobility data from Cuebiq’s Data for Good programme, “Mundos Paralelos” studies spatial inequality in Mexico City by contrasting how two economically and geographically distant population groups (‘parallel worlds’) use and appropriate different urban spaces. The study illustrates the ways in which inequality is reproduced and exacerbated by calculating and analysing the probability of different groups crossing paths in public spaces.

*“The analysis of mobility data leads to the conclusion that the city center has an important potential for encounters in spaces related to culture, entertainment and consumption, which makes it not only a cultural hot stop, but also a symbolic space open to its appropriation by all the city’s inhabitants... [In contrast,] when it comes to private higher education institutions, we were able to estimate that spaces dominated by the wealthier group are located in the southeast part of the city, while those most commonly populated by the lower-income group tend to locate in the center of the city.”*

[Publication](#)

# 2

## MIGRATION AND DISPLACEMENT

### Report “Big Data for Good. Can Big Data Illustrate the Challenges Facing Syrian Refugees in Lebanon?”



#### Authors:

Andrés Lozano, Roaa Al Feel, Zinnya del Villar, Till Koebe, Ingmar Weber, Masoomali Fatehkiya, Emmanuel Letouzé, Sara Ortiz

#### Partners:

United Nations Economic and Social Commission for Western Asia (UN-ESCWA), Central Administration of Statistics (CAR), Qatar Computing Research Institute (QCRI)

Given the constant movement and resettlement of forcibly displaced populations and refugees in Lebanon - estimated at around 1.5 million Syrian refugees - gaining timely estimations of where this population is integrating, adapting and co-existing with host communities is crucial for the design of policies. This pilot project leveraged traditional and non-traditional data sources to provide novel insights on the living conditions of Syrian refugees and host communities in Lebanon, looking to generate insights for the planning of systems and services available to host communities and residents, as well as targeted policies aimed at decreasing the vulnerability, risks and challenges faced by refugees.

*“Overall, this study shows the potential of disparate data sources to predict the demographic and economic characteristics of Syrian refugees and host communities in Lebanon. Despite the high levels of data aggregation and focus on only two governorates, the models were able to explain between 50 and 90 percent of the variation in ground truth labels for host communities and Syrian refugees.”*

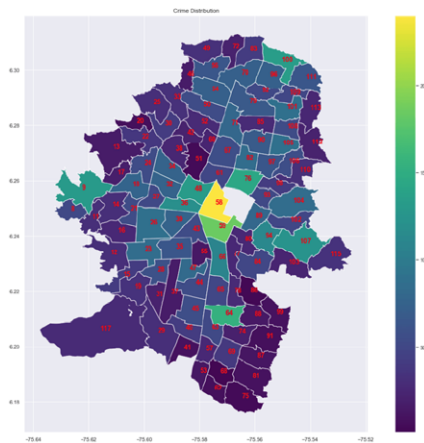
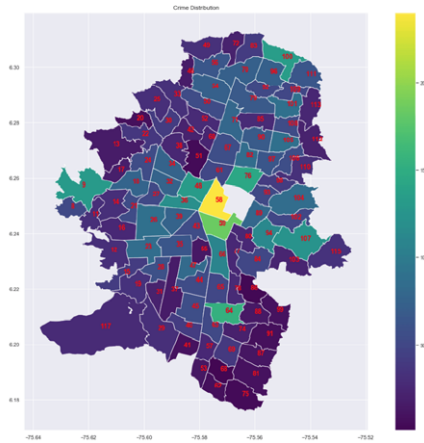
[Publication](#)

# 3

## VIOLENCE AND CRIME



Figure 11: Distribution of crimes in the center of Medellín.



### Contributors:

Julie Ricard, Valentina Casasbuenas, Emmanuel Letouzé, Andrés Clavijo, Patrick Vinck, Phuong Pham, Bruno Lepri, Massimiliano Luca, Marco de Nadai, Nathalie Alvarado, Santiago Chelada, Richard Aborn, Maria Antonia Bravo

### Partners:

Inter-American Development Bank (IADB), Harvard Humanitarian Initiative (HHI), Fondazione Bruno Kessler (FBK), National Police of Colombia, Citizens Crime Commission

With Latin America and the Caribbean (LAC) ranked as the most violent region on the planet, this project seeks to answer two key questions: why does crime concentrate where it does, and why do certain individuals turn to crime and not others? Leveraging sophisticated analyses about urban crime and violence in LAC cities, Ciudata analyses the local determinants of crime and the role of impunity and social networks in driving criminal behaviour through the collection and analysis of official and non-official data sources to produce public policy recommendations and action plans.

The project began in 2017, and has consisted thus far on close coordination with local governments and stakeholders; the creation of roadmaps, data audits and capability assessments to determine further interventions; and the production of research instrument for analyses, including carrying out a series of surveys and the creation of a visualisation tool. The final report will be published in 2021.

[Website](#)

Source: "Data-Driven Understanding of Crime Dynamics" (forthcoming paper)

# 4

## SUSTAINABLE FUTURES

### Report “Digital Technology Shaping Green and Sustainable Lifestyles: Exploring Alipay Ant Forest”



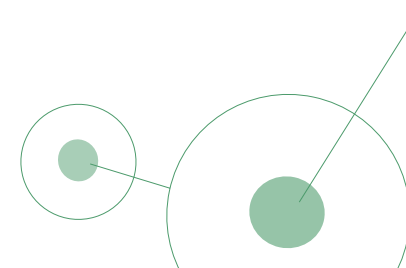
#### Authors/Partners:

Data-Pop Alliance, Green Digital Finance Alliance, UNEP Inquiry

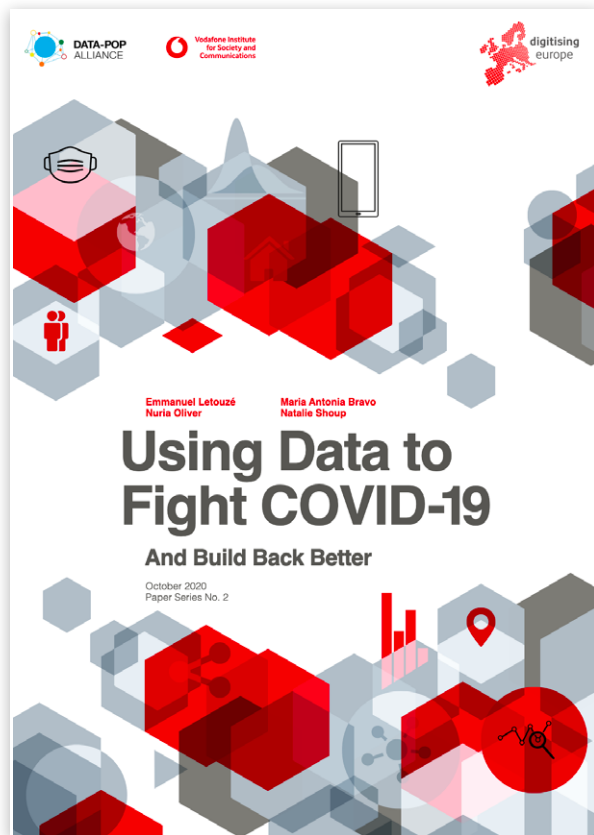
This report analyses Alipay’s Ant Forest exponential growth and its trajectory and vision to unlock the power of individual behaviour change for climate change mitigation. It explains how this green initiative — via digital functions — has managed to encourage users to engage in low-carbon activities in their daily life. It estimates that the market size for an innovation such as Alipay Ant Forest is roughly 3 times the current population of the United States, noting that up to 8.6% of emissions tied to public transportation could be avoided across seven high emission countries if similar green initiatives were to be implemented over the 2020-2030 period.

*“Green digital technologies can increasingly play an important role in helping countries achieve their emissions reduction targets - indeed, while policies and locked-in industry infrastructure may take decades to change, individual behavior shifts can begin immediately.”*

[Publication](#)



## Policy Paper “Using Data to Fight COVID-19 - And Build Back Better”

**Authors:**

Emmanuel Letouzé, Nuria Oliver, Maria Antonia Bravo, Natalie Shoup

**Partner:**

Vodafone Institute for Society and Communications

Building on the 2019 publication “Sharing is Caring: Four Key Requirements for Sustainable Private Data Sharing and Use for Public Good”, the latest paper with the Vodafone Institute looks at how digital technologies and data have been applied to fight the Coronavirus. It summarises the main debates and questions around these initiatives and reflects on their usefulness, implications, limitations, risks and requirements to fight COVID-19 and “build back better”, fairer, and more sustainable human systems.

*“In everything we do next, we need to push for more representation, more inclusion of data subjects, and in general of underrepresented groups. It’s a step-by-step process but it has to start with a reckoning that the world in 2020 was not a fair one and that COVID-19 brings us a real opportunity to change course.”*

[Publication](#)

# 6

## COVID-19

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### Assessment of Impacts and Implications of COVID-19 in Sub-Saharan Africa: Liberia, South Sudan, Togo, Equatorial Guinea - Report Series

**Authors:**

Andres Lozano, Nigora Isamidinova, Roaa Al Feel, Juan Camilo Mejia, Irene Clavijo, Ramon Micha, Zinnya del Villar, Lao Kenao, Juana de Catheu, Kevin Henkens, Emmanuel Letouzé, Tatiana Goetghebuer, Romain Fourmy, Virginie Morillon, Mary Van Overbeke, Emilie Laffiteau, Titouan De Blasy, Domenico Polloni, Claudia de Abreu Lopes, Toga Gayewea McIntosh, Emmanuel Munyeneh

**Partner:**

UNDP Country Offices

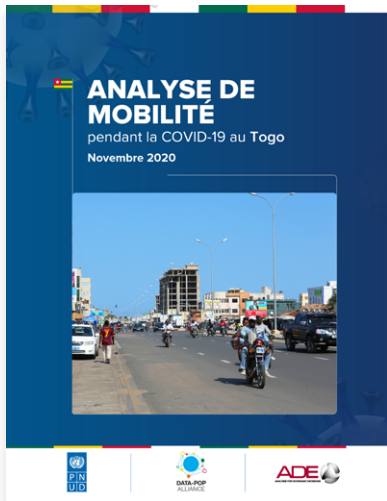
Since the start of the pandemic, we have been working with UNDP Country Offices in Liberia, South Sudan, Togo and Equatorial Guinea to assess the macroeconomic, human development, governance and political impacts and implications of the crisis in these countries. The analyses and activities developed are meant to provide evidence-based insights on the magnitude and nature of effects on households, communities and economies, and guide response and recovery programmes and policies.

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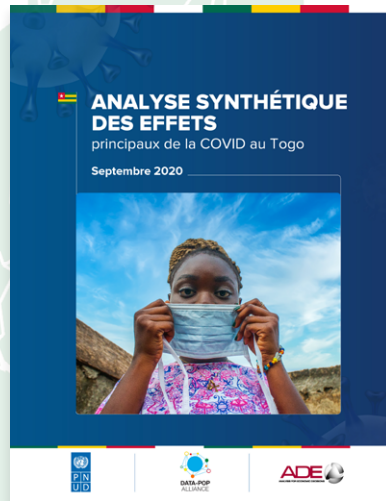
*“While the number of coronavirus cases and deaths remain lower on the African continent, compared to other parts of the world, the social and economic consequences and impacts of the pandemic risk eroding the hard-fought development gains of the past decades.”*



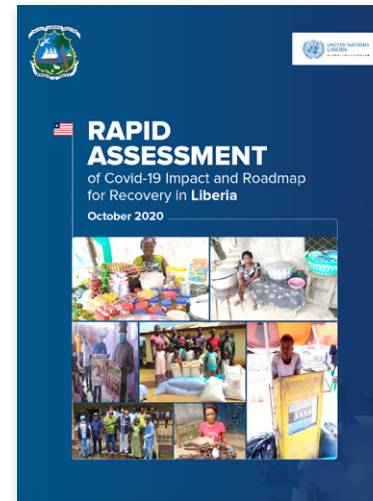




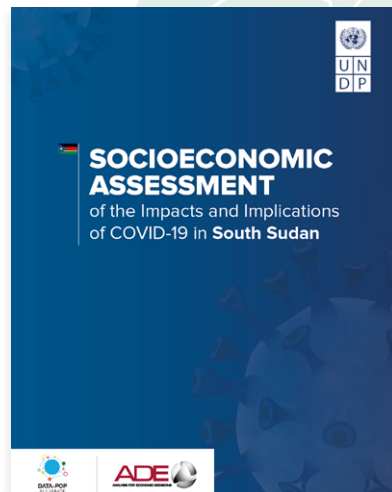
[Publication](#)



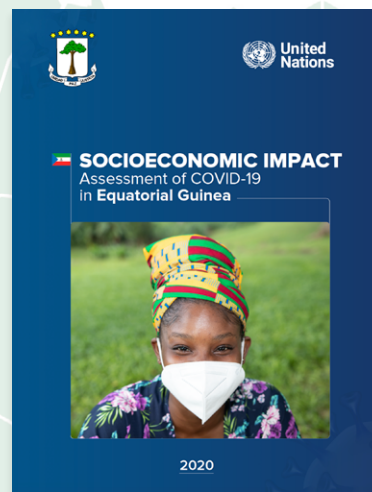
[Publication](#)



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[Publication](#)



[Publication](#)



# MOBILIZE

The COVID-19 pandemic has highlighted global gaps in awareness, incentives, and skills to use data as a common language to craft a better common future. Through trainings, workshops, conferences, and CODEs\* we aim to connect and strengthen data capacities and communities so that information, ideas, and assets can be harnessed to solve human problems. A key goal is to foster *data literacy* as “literacy in the age of data” to help individuals and institutions use data as a lever of social change in ways that reflect and reinforce the ethical principles of equity and empowerment.

—  
\*see page 20.

 **10 workshops**  
and webinars in 2020

**7 capacity building**  
workshops/seminars

**3 policy and strategy**  
webinars

 **320 participants**  
from +20 countries

 CODEs (Council for the  
Orientation of Development  
and Ethics) assembled in  
**8 countries/projects**



# WORKSHOPS IN 2020



## 28 SEPTEMBER

Webinar West Africa  
“Digitalisation in  
Sub-Saharan Africa:  
A strategic assessment  
of EU and other  
international actors”

Co-organisers:  
DEVCO and ADE

## 30 SEPTEMBER

Webinar East Africa “Digitalisation  
in Sub-Saharan Africa: A strategic  
assessment of EU and other  
international actors”

Co-organisers: DEVCO and ADE

## 6 NOVEMBER

Seminar “Imágenes satelitales para el  
estudio de contaminación aérea”

Co-organiser: GIZ Ecuador

## 11 NOVEMBER

Workshop “Towards a Coalition to  
Boost Gender Equality With Data”  
at the Paris Peace Forum

Co-organiser: GIZ Data Lab

## 23-26 JUNE

Course “Human Artificial  
Intelligence for Human  
Development” at Summer  
School of Economics

Co-organiser: University of Los  
Andes, Colombia

## 2 OCTOBER

Webinar North Africa  
“Digitalisation in  
Sub-Saharan Africa: A  
strategic assessment  
of EU and other  
international actors”

Co-organisers:  
DEVCO and ADE

## 30 OCTOBER

Seminar “Manejo de datos  
abiertos en movilidad urbana”

Co-organiser: GIZ Ecuador

## 19-20 OCTOBER

Workshop “Aprendizaje de máquinas en  
imágenes satelitales para el cálculo de  
un indicador ODS”

Co-organiser: National Institute of  
Statistics and Informatics of Peru (INEI)

## 16-17 DECEMBER

Workshop “Leveraging Big  
Data Sources to Estimate  
Changes in the Population  
Dynamics Resulting from  
Impacts of the COVID-19  
Epidemic in the Maldives”

Co-organiser: UNFPA Maldives

## 10 DECEMBER

Webinar “Using data to fight  
COVID-19 and build back better”

Co-organiser: Vodafone Institute for  
Society and Communications

Capacity building workshops designed  
for policy makers and development  
practitioners, led or co-led by DPA

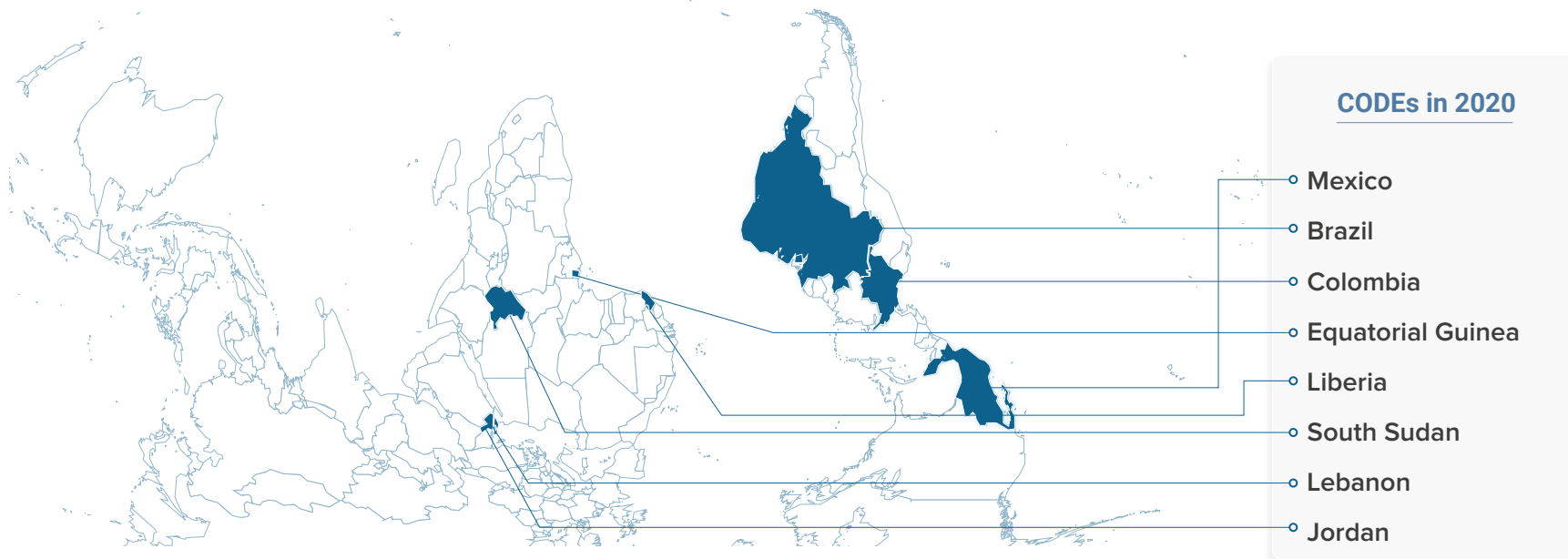
Policy and strategy workshops led or  
co-led by DPA

# COUNCILS FOR THE ORIENTATION OF DEVELOPMENT AND ETHICS (CODEs)

Starting in 2020, most of our projects involve a CODE (for Council for the Orientation of Development and Ethics). A CODE is a group of independent members and stakeholders from diverse sectors (e.g. civil society, international NGOs, government and academia) who voluntarily share their expertise in areas of direct relevance to the project in question. The CODE serves as an advisory group, but it is also a mechanism to ensure that our work complies with ethical principles, often in relation to the fair and safe use of data, and is relevant to local contexts. The CODE concept was born during the initial implementation of the Open Algorithms (OPAL) project co-founded by Data-Pop Alliance, and will now be generalised to all our major projects.

*“The CODE concept and operations manifest the values of the UN in the digital age building trust in data and partnerships. With representatives from the local civic society, academia, relevant governmental entities and related international organizations, the project team was advised on: relevance of the project and ways to enhance expected benefits; methodologies and data sources; ethical questions and concerns regarding the data accessed and its potential uses; appropriateness of the project’s data protection measures and overall security measures; ways and means to enhance the project’s visibility and outreach to relevant groups; opportunities to engage concerned government agencies, organizations and civil society; and recommendations for possible extension, application and improvement of the project.”*

**Fouad Mrad**  
Senior Programme Manager  
UN ESCWA

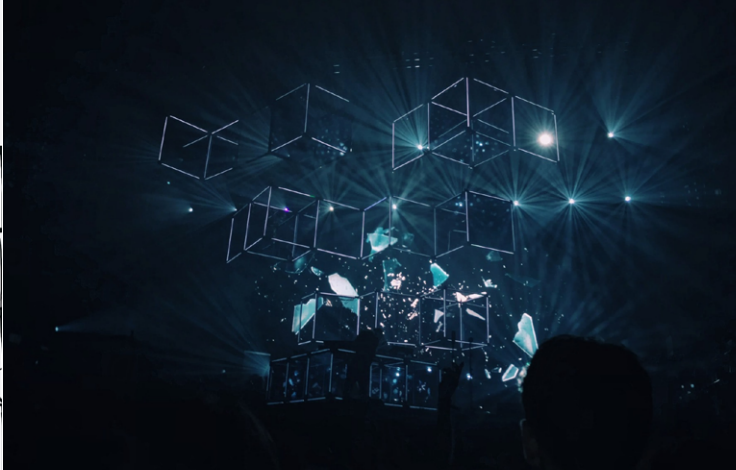




**World Data Forum. Forum session: “How to make data memorable, engaging and inspiring, using humour, cartoons, and serious gameplay”**  
United Nations Statistical Commission

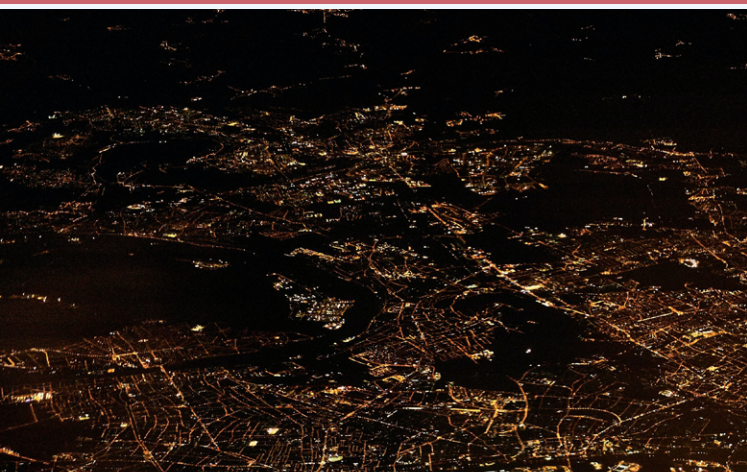
October 19-21, Online

[▶ Play](#)



**Data 2025 v.2.0. High level panel**  
Centre for Trade and Economic Integration (CTEI) & École polytechnique fédérale de Lausanne (EPFL)  
November 23, Online

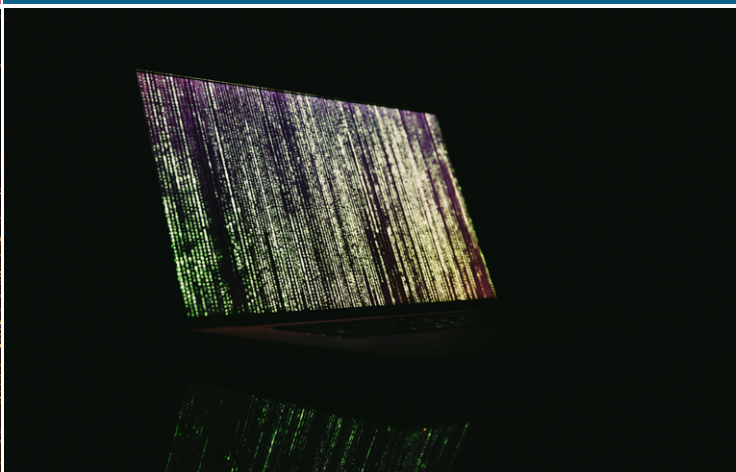
[▶ Play](#)



**Demography and the Data Revolution: lessons learned and the way forward**  
International Union for the Scientific Study of Population (UIESP)

November 24, Online

[▶ Play](#)



**Future Affairs Berlin 2020. Panel: “Data Protection and Digital Rights”**  
Federal Foreign Office in Berlin, Germany

December 14, Online

[▶ Play](#)



## CONFERENCES, EVENTS AND MEDIA



Team members were keynote speakers or panelists in 23 conferences or webinars



Organising institutions include the Paris Peace Forum, OECD, Oxfam, MIT and the World Bank



4 podcasts appearances (Super Data Science, Saturdays AI Podcast, Politico’s EU Confidential and Making Data Simple)



51 mentions of Data-Pop Alliance in the media



Published in 8 countries and 6 languages



Media outlets include the MIT Technology Review, The Economist, El País, Business Insider and Devex



# TRANSFORM

The current crisis has accelerated digitalisation while exposing the risks it poses for individual and group privacy, social equity, gender equality, and environmental sustainability, notably. With governments, international and civil society organisations partners and others, we evaluate, design and deploy data strategies, systems and tools that support human-centered digital—and societal—transformations. Our vision is a world where digital data and technologies help sustain new social contracts that protect people and the planet.

## Projects in 2020

**13**  
finalised

**15**  
started



Tackling issues in **23 countries**, with a focus on Latin America and the Caribbean, South Asia, Sub-Saharan Africa, and the Middle East and North Africa region



**53 partners** (INGOs, NGOs, civil society, government agencies, research centers, universities)



# Reporting and Registering Domestic Violence Against Women and Girls in Mexico: An Analytical Model

## Partners:

GIZ Data Lab, GIZ México



June - December 2020

Most cases of violence against women and girls (VaWG) are not reported, contributing to the absence of data needed to generate policies and programmes that can aptly prevent, reduce and eliminate this type of violence. Interestingly, in tandem with the outbreak of the pandemic, surges in reports of domestic violence have been noted around the world. This project leveraged traditional and non-traditional data sources to estimate the conditional probability of registering domestic violence in municipalities of Mexico. It further characterised the profile of the women and girls who report, as well as contextual factors (relational, community, institutional and COVID-related) that are associated with reporting rates. The model is being replicated in other Latin American cities such as Bogotá and São Paulo.

**Output:** A report with public policy recommendations, a dissemination workshop and a data visualisation platform that maps the reporting and registering rates of domestic violence at the municipal level using a traffic-light system.

# Criteria: An Interactive Decision Support System

## Partners:

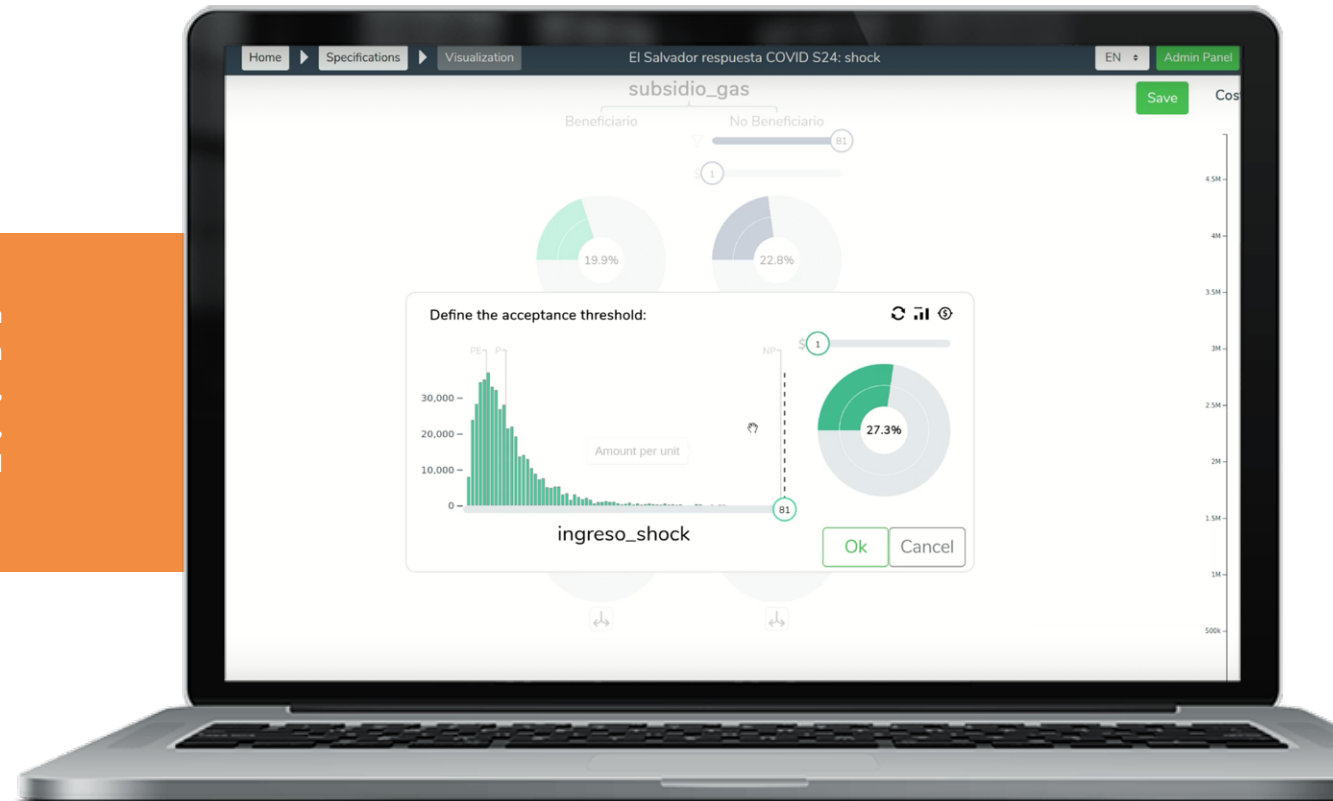
ProsperIA, Inter-American Development Bank



March 2020 - December 2020

*Criteria*, a project led by ProsperIA with funding from the Inter-American Development Bank and support from Data-Pop Alliance, is an interactive decision support system that empowers policy-makers to explore, analyse, and decide over a large space of potential designs and targeting schemes for social policies. *Criteria* visualises interactively the expected poverty impact of policy alternatives resulting from the COVID-19 pandemic, as well as their associated costs.

**Output:** A platform for policymakers in El Salvador, Honduras, Costa Rica, Brazil and Uruguay that converts data into evidence to inform and improve the design of policies in terms of: target population, prioritization criteria(s), support amounts, budget constraints, segmentation by relevant groups, and group-specific amounts and selection criteria.







# Project Cycle Hacking Toolkit: Leveraging Non-Traditional Data Sources Along the GIZ Project Cycle

## Partners:

GIZ Data Lab, GIZ Ecuador



Phase 1: January - March 2020 / Phase 2: April - October 2020

This project focused on the creation of a toolkit to guide the GIZ (German Corporation for International Cooperation) in the use of non-traditional data sources throughout their project lifecycle. The tool was designed and developed from a thorough analysis of GIZ processes, aiming to understand how and where non-traditional sources of data can be leveraged in the formulation, design, implementation and evaluation of their projects.



**Output:** A guidance document and a toolkit for using non-traditional data sources in GIZ throughout GIZ projects' lifecycle, which was later tested during two workshops with GIZ Ecuador in their "Ciudades Intermedias Sostenibles" program to get information on the Agenda AHSE 2036 indicators.

# Strategic Assessment of the European Commission's Work in Digitalisation in Sub-Saharan Africa

## Partners:

EC DEVCO, Analysis for Economic Decisions (ADE)



January - May 2020

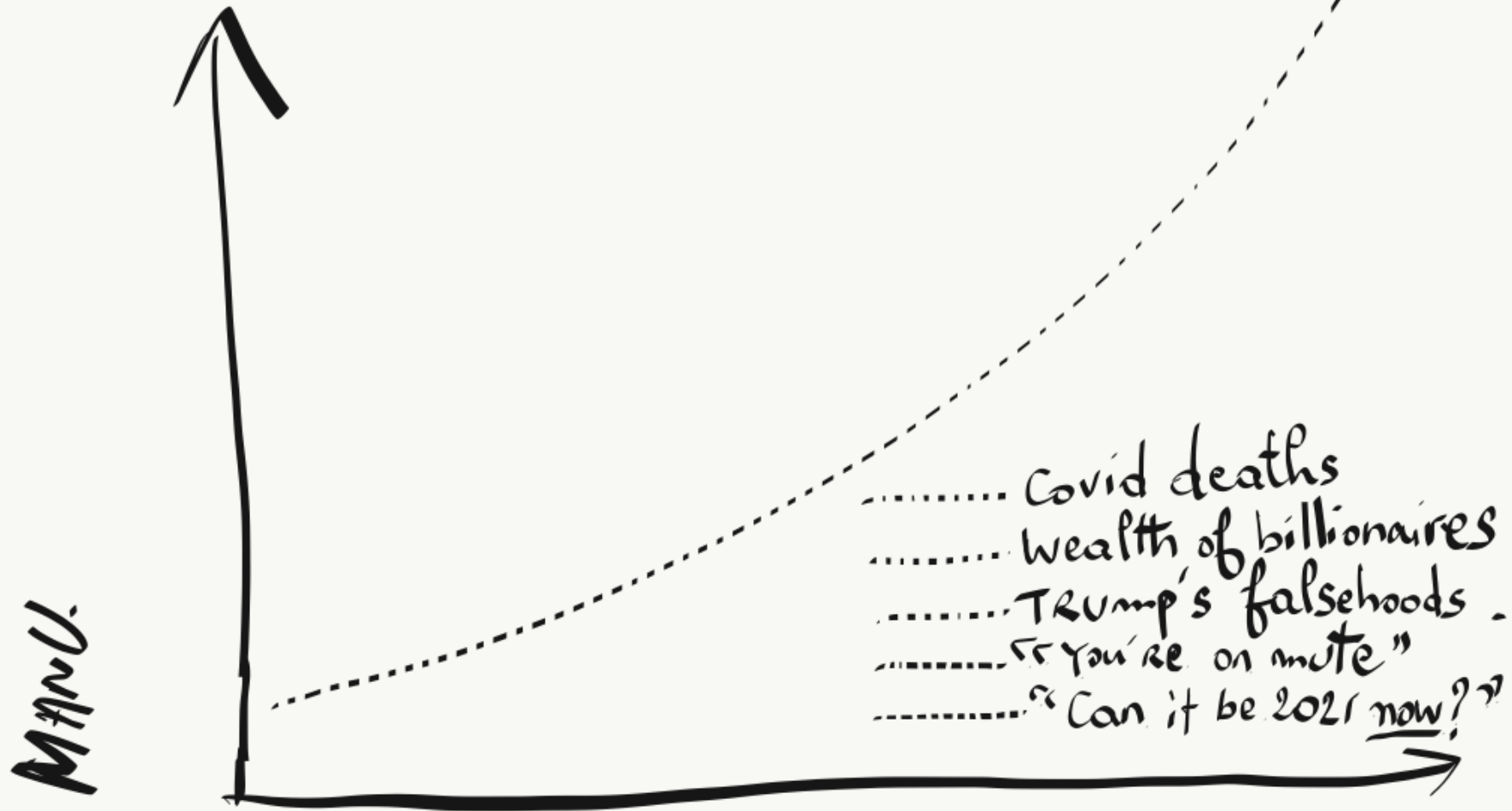
This study, produced in collaboration with ADE, analyses the European Union's external cooperation for development in the cross-cutting field of digitalisation in SSA, with a view on issuing a series of lessons learnt and recommendations to inform current and future cooperation work. In particular, this evaluation focuses on understanding and analysing DEVCO's investments and projects in the region, the extent to which these projects are strategically promoting the pillars, objectives and values of the EU frameworks, and to identify complementarities or - lack thereof - with other relevant national, regional and international stakeholders.

**Output:** A strategic assessment of DEVCO-led digital projects and a comparative analysis of DEVCO's approach vis-à-vis that of other relevant stakeholders working on digitalisation.



Anton Balazh, Maxger/Shutterstock.com

# 2020 IN DATA



Find more **Datatoons** by Manu (Emmanuel Letouzé) [here](#) 



**2021-2022  
OUTLOOK**

# A VISION FOR BUILDING BACK BETTER WITH DATA

The next few of years will prove decisive: a once in a lifetime opportunity to fight for systemic change against excesses and injustices the COVID-19 crisis has laid bare using some of the most powerful tools available to us, such as AI, blockchain, digitalisation, and, of course, data. As proven throughout history, the sort of social contracts chosen and the world we (re)build with them is a human, political one. That choice itself must be informed by trusted data and respectful discussions. In 2021-2022, we will focus on 5 priority areas where we believe our work may contribute to advancing humanistic values with digital data and technology.

## OUR 2021-2022

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1. Data for Resilient Communities, Sustainable Livelihoods and Non-Violent Societies

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2. Strategic Evaluation and Elaboration of Digital Transformations

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3. Gender Inequities and Data Disparities

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4. Official Statistic(ian)s and Open Algorithms (OPAL) with Big Data

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5. Platforms, Digital Spaces, and Blockchains for Democracy

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# 1. DATA FOR RESILIENT COMMUNITIES, SUSTAINABLE LIVELIHOODS AND NON-VIOLENT SOCIETIES

## • **Policy Note on Building Back Better and More Resilient Livelihoods and Economic Recovery Approaches and Solutions in Fragile, Crisis and Post-Crisis Settings**

Partner: [UNDP](#)

*December 2020 - February 2021*

This project will support the Recovery Solutions and Human Mobility team in its conceptualisation of a new approaches, articulating the Livelihoods and Economic Recovery offer, and reviewing, updating and documenting policies, programmes and tools on livelihoods and economic recovery that meet the current and future needs and expectations of UNDP Country Offices and partners in fragile contexts, crisis and post crisis situations exacerbated by the COVID-19 pandemic

## • **Assessment of Socioeconomic Impacts of COVID-19 and Role of Disaster Risk Governance in Seven Countries of Western Sahel and Lake Chad Basin**

Partner: [UNDP](#)

*January - May 2021*

We are conducting a comprehensive assessment to inform recovery efforts to build better back from the impacts of COVID-19 and develop capacities and resilience against future shocks and other urgent issues within the region such as climate change. This project contemplates a regional analysis as well as national-level analyses in the seven project countries (Mali, Mauritania, Senegal, Burkina Faso, Chad, Niger, and Nigeria).

## • **The Impact of Lockdown Restrictions on Mobility, Income and Employment in Latin America**

Partners: [UNDP](#) and [Grandata](#)

*September 2020 - January 2021*

Data-Pop Alliance is using diverse sources of mobility data (Grandata, Facebook, Google) to perform an analysis for Argentina, Chile, Colombia, Ecuador, and México to understand how lockdown restrictions have affected economic conditions for individuals. Moreover, DPA seeks to provide information to local government for the design of public policies based on the data insights.



## 2. STRATEGIC EVALUATION AND ELABORATION OF DIGITAL TRANSFORMATIONS

- 📍 **GIZ-FAIR Forward Consultation on International AI-policy and Data Governance Policies & GIZ Customized Data Sharing Toolbox**  
Partners: [GIZ FAIR Forward](#) and [GIZ Data Lab](#)  
*May 2020 - June 2021*

Forward Artificial Intelligence initiative aims to promote and achieve a more open, inclusive and sustainable approach to AI at an international level. With partners in Uganda the initiative seeks to 1) strengthen local technical know-how on AI, 2) remove entry barriers to AI through training, and 3) develop policy frameworks for AI. Furthermore DPA has focused on building a data sharing model that can be implemented throughout GIZ as a whole and a tool that can be used both by project managers and leaders at any stage of a project.

- 📍 **Evaluation of the EU Cooperation with the United Nations**  
Partners: [ADE](#) and the EU Directorate-General for Neighbourhood and Enlargement Negotiations ([DG-NEAR](#))  
*January - February 2021*

This project aims to analyse the effectiveness, efficiency, coherence and impact of the EU-UN cooperation (specifically between the European Commission and UN specialised agencies) in the delivery of humanitarian

aid and development support to countries and partners from 2014 to 2020. The evaluation will include analyses of key fields of action such as the Green Deal, the transition to a new digital era; sustainable economic, human and social development; and finally migration and forced displacement.

- 📍 **Strategic Evaluation of the World Food Programme's (WFP) Use of Technology in Constrained Environments**  
Partner: [Analysis for Economic Decisions \(ADE\)](#)  
*September 2020 - February 2022*

This evaluation, spanning 18 months, will look at the extent to which WFP has effectively and efficiently deployed the most appropriate ICTs and how, why and under which conditions the use of technologies has contributed to management and programme objectives. We will adopt a mixed methods approach, using a conceptual framework consistent with WFP's proposed analytical framework, outlining the factors affecting the innovation and diffusion of technologies. Moreover, we shall conduct six case studies in Jordan, Niger, Iraq, South Sudan, the Democratic Republic of Congo and Bangladesh.



## 3. GENDER INEQUALITIES AND DATA DISPARITIES

- **Reporting and Registering Domestic Violence Against Women and Girls in Bogotá and São Paulo: An Analytical Model**  
Partners: [Unidas](#) and [GIZ](#)  
*August 2020 - February 2021*

This project leverages traditional and non-traditional data sources to estimate the conditional probability of registering domestic violence at the locality or district level in the cities of Bogotá and São Paulo. It further characterises the profile of the women and girls who report and contextual factors (relational, community, institutional and COVID-related) that are associated with reporting rates.

- **Gender-Based Violence Monitor: Evidence-Based Empathy Towards Ending GBV in Latin America**  
Partner: [Eureka](#)

We seek to develop a GBV Monitor with an innovative and holistic approach referred to as 'evidence-based empathy'. On one side this project aims to enhance access to strong evidence on GBV by creating a state-of-the-art online interactive platform that centralises and presents key statistics and other data, as well as 'big data' sources. On the other hand, foster government, civil society and citizen engagement by leveraging cultural curated content designed to contextualise quantitative data.

- **Mental Health and Gender Inequality in the MENA Region: An Analysis of Shock Related Factors Within the Context of the COVID-19 Pandemic**  
Partners: [Economic Research Forum \(ERF\)](#) and [Agence Française de Développement \(AFD\)](#)  
*January - September 2021*

The goal of this project is to produce a research paper focused on the psychological impacts of COVID-19, and how socioeconomic, behavioural and policy changes are affecting gendered mental health inequalities in the MENA region. This paper will be produced with the analysis of information provided by the ERF-COVID-19 MENA Monitor and the results will be presented at a workshop in September 2021.





# 4. OFFICIAL STATISTIC(IAN)S AND OPEN ALGORITHMS (OPAL) WITH BIG DATA

## **Strengthening Big Data Technical Capacities for Sustainable Development in Latin America and the Caribbean**

Partner: Spanish Agency for International Development Cooperation ([AECID](#))

*October 2020 - October 2022*

Together with AECID, we aim to strengthen the technical capacities of government officials in Latin America to leverage the use of data. We will develop professional workshops in Bolivia, Colombia, Uruguay and Guatemala, and a regional study focused in Bolivia, El Salvador, Peru, the Dominican Republic and Guatemala. The project seeks to explain the panorama of Big Data and sustainable development, focusing on the applicability of information sources to obtain statistical information related to different sustainable development issues, such as poverty reduction, migration and climate change.

## **Mobile Data for Development (MD4D) Interactive Handbook**

Partner: Digital Impact Alliance ([DIAL](#))

*July 2021 - June 2021*

This interactive handbook seeks to serve as a hands-on resource to help mid-to-senior level staff of Mobile Network Operators (MNOs), National Statistical Offices (NSOs) and other interested parties understand and develop MD4D projects. DPA's added value to the handbook involved structuring key content and presenting use cases, lessons and experiences developed in different contexts (e.g. our work with cell-phone metadata in Colombia, Senegal, Lebanon, The Maldives). The project also takes into consideration the new challenges that the COVID-19 pandemic may create for the operationalisation of this data. This resource will be available through an online platform by mid-2021.



## 5. PLATFORMS, DIGITAL SPACES AND BLOCKCHAINS FOR DEMOCRACY

### Leveraging Big Data Sources for COVID-19 Response, Policy Evaluation and Analysis in Lebanon and Jordan

Partner: [UN-ESCWA](#)

July 2020 - May 2021

This project is an extension of the assessment “Leveraging Behavioral and Humanitarian Data Sources to Analyse the Development Challenges faced by Syrian Refugees and Host Communities in Lebanon.” This second phase evaluates policy effectiveness by using Big Data open sources in the post-COVID-19 setting in Lebanon and Jordan and will provide insights to be discussed amongst key partners.

### World Trends of Freedom of Expression and Media Development Report

Partner: [UNESCO](#)

January - June 2021

DPA is working alongside UNESCO to develop a analytical methodology and data partnerships to monitor and understand status of press freedom and media development worldwide. The aim is to collect comprehensive and data-driven evidence on global and regional trends in media freedom, pluralism, independence and safety of journalist, all examined through a gender-sensitive perspective and to be able to do so safely and predictably over the years. The results of the data collection and analysis will be presented in the World Trends Report 2021.



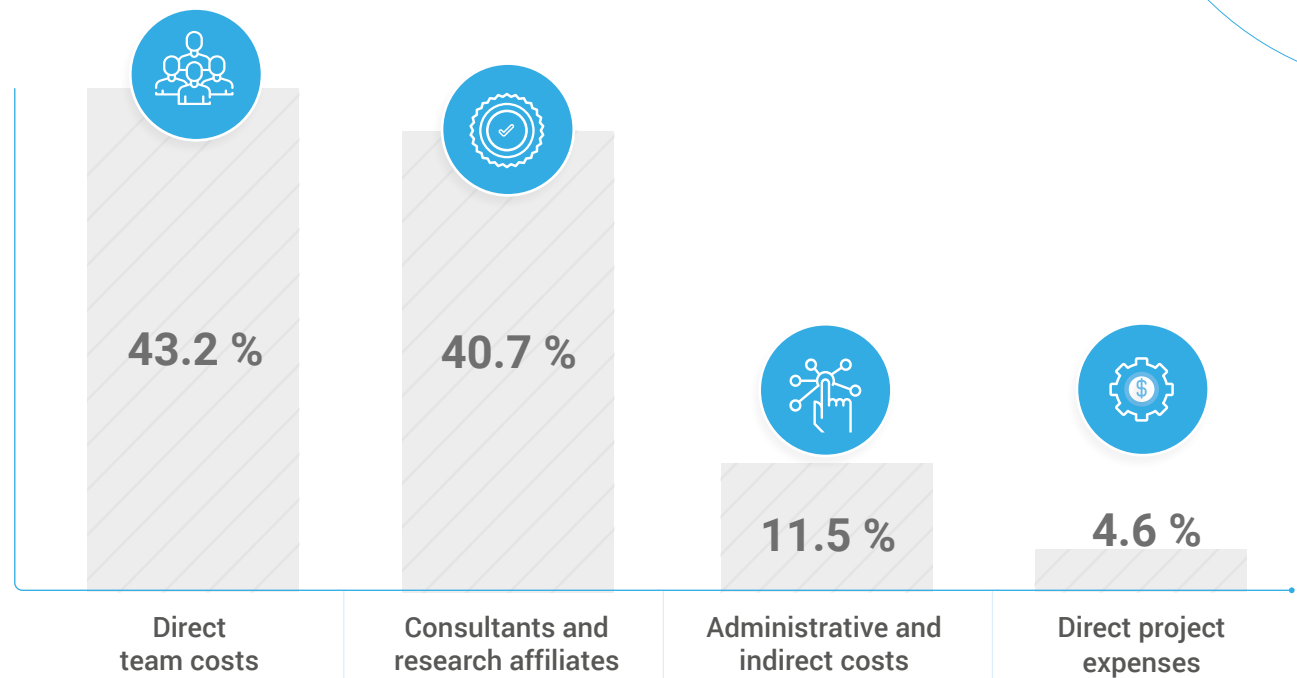
INSTITUTIONAL  
SNAPSHOT

**INSTITUTIONAL  
SNAPSHOT**

# FINANCIAL STATEMENT

**22  
DONORS**  
IN 2020

**1 MILLION  
USD IN GRANTS**



**DIAGNOSE**



**MOBILIZE**



**TRANSFORM**

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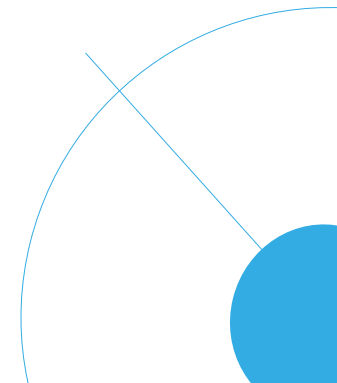


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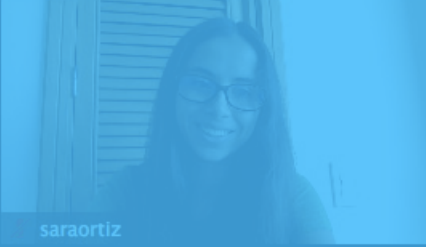
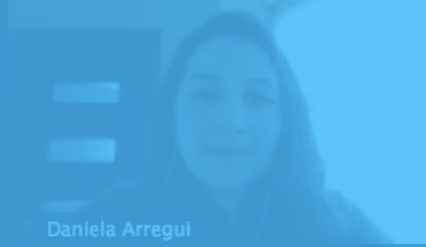
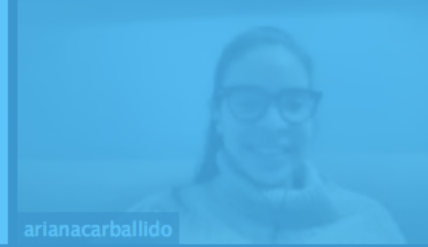

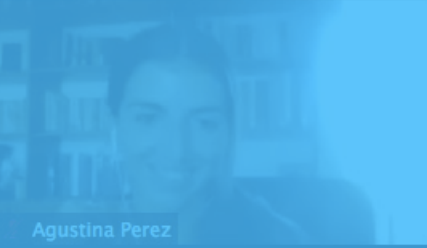
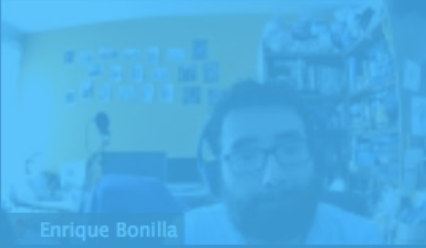


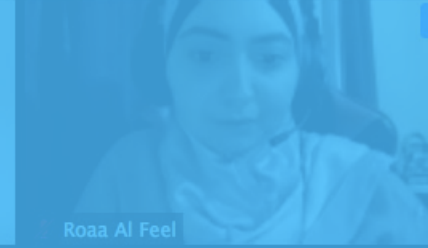
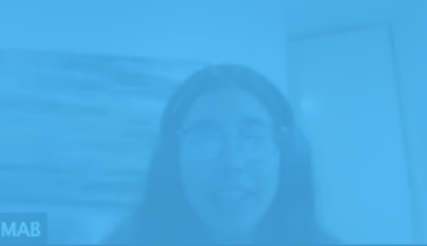
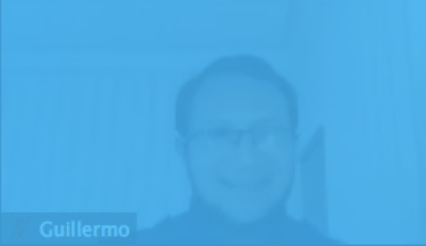

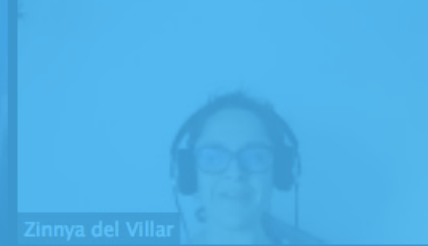
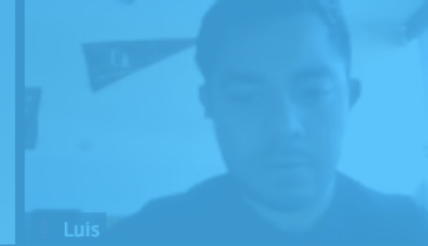
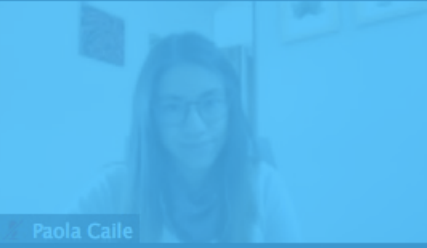
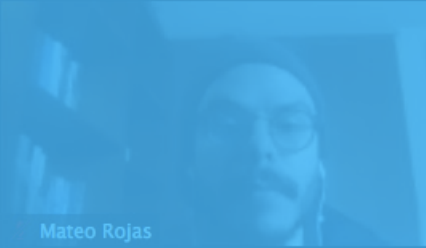
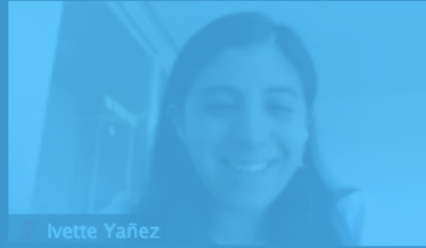
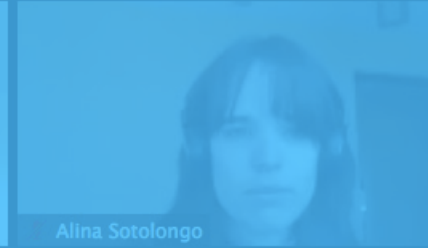

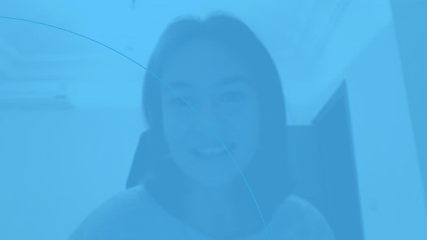



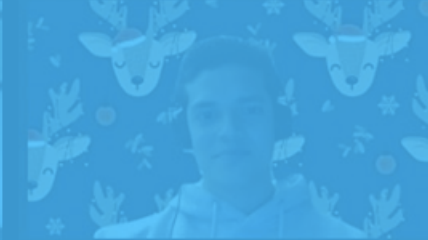
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\* Joined in 2020

\*\* Joined in 2021





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 Agustina Perez	 Enrique Bonilla	 Maria	 farah	 Roaa Al Feel
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