



Public-private data partnership in the Global South

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Context: Public-private data partnerships -> attain sustainable development goals

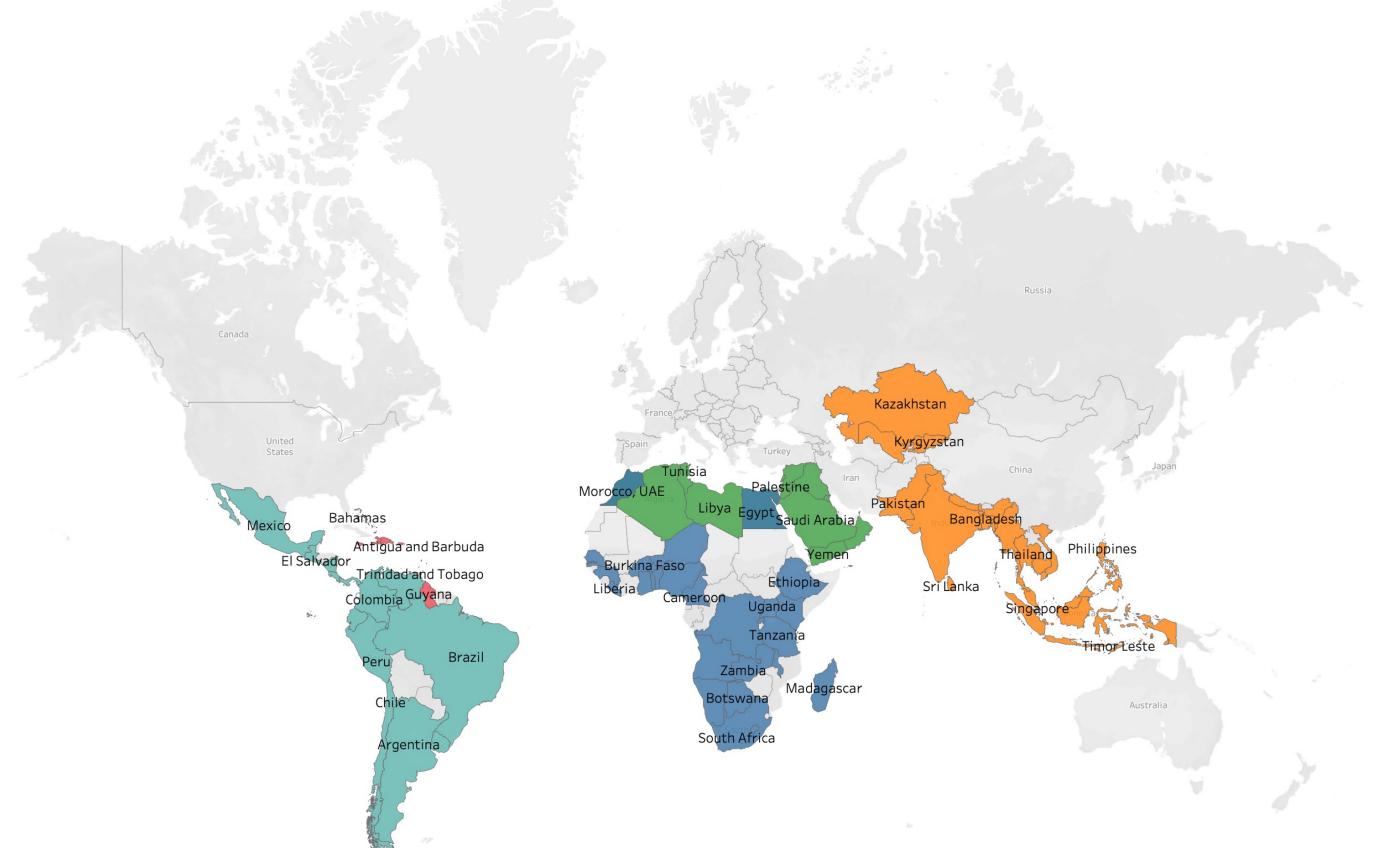
Objectives

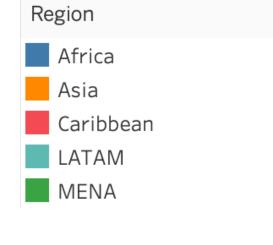
- to explore the private sector's involvement in data-related initiatives
- to assess the impact of such initiatives on public policy in the Global South
- to understand the contribution of such initiatives for the fulfilment and monitoring of the SDGs in the Global south





Our work by region







Carried out 2 workstreams to arrive at recommendations

1. Structured mapping of public-private data partnership in the Global south

2. In-depth case studies of public-private data partnership

94 countries 394 data actions

- Capacity building and skill sharing
- Data analysis
- Data collection
- Data governance
- Data infrastucture
- Data mapping
- Data migration
- Data monitoring
- Data for impact assessments and measurement
- Data sharing

5 regions

8 case studies

- KaraAgro and Airbus in Africa
- Pulse Lab Jakarata and Microsoft in Asia
- Trust for Americas in Caribbean
- Meta in Middle East North Africa
- The National Institute of Statistics (Chile), Dymaxion Labs in Latin America

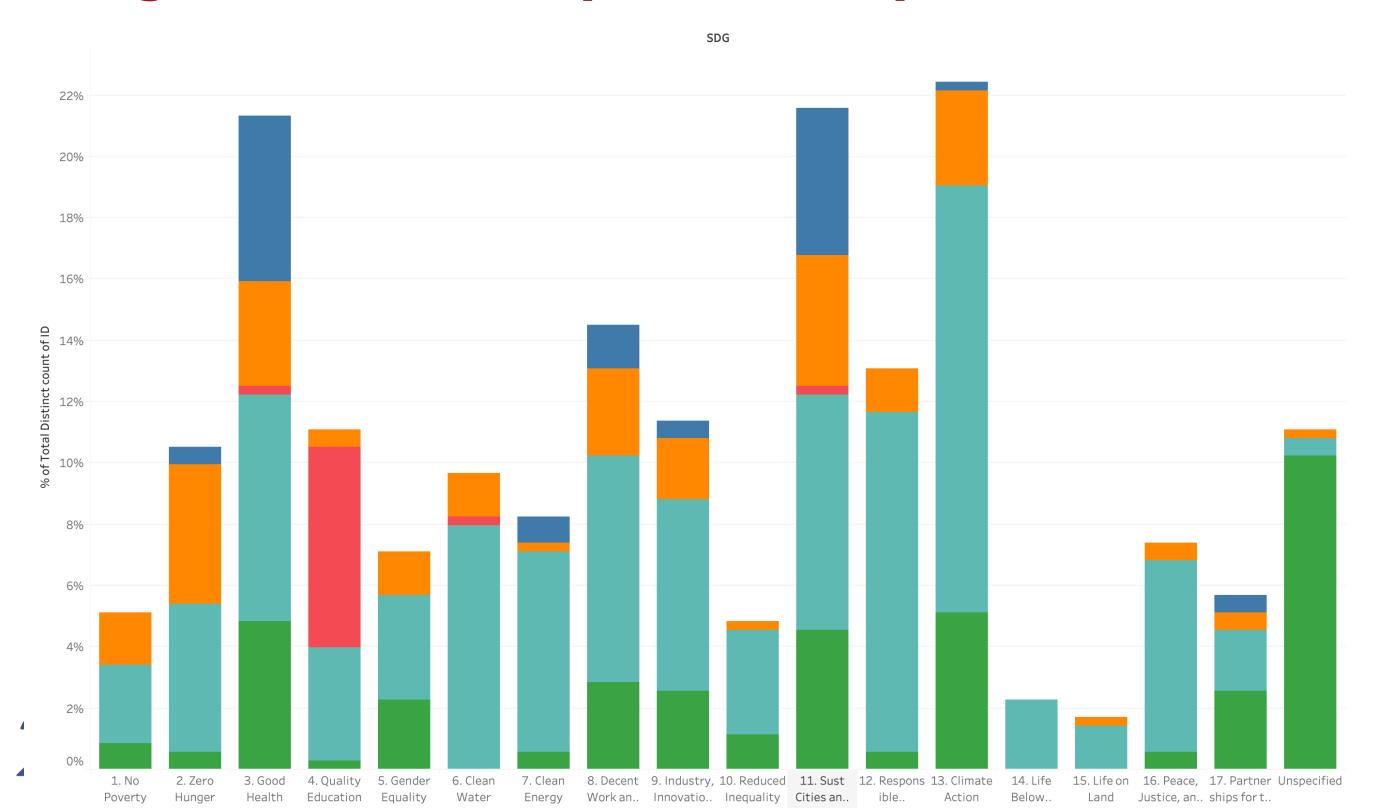


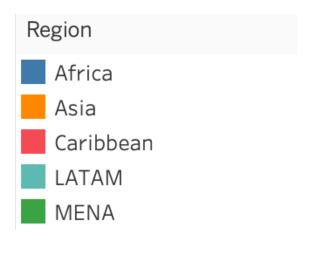


Key findings



Climate actions, sustainable cities and communities, & good health/well-being are the most common SDGs targeted via data partnerships in the Global South

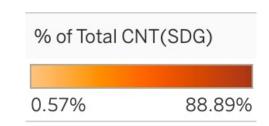






The SDGs covered by partnerships vary by region

SDG	Africa	Asia	Caribbean	LATAM	MENA
1 No Dovouty		C 400/		2.500/	1.000/
1. No Poverty	221212131	6.48%		2.58%	1.96%
2. Zero Hunger	3.92%	14.81%		4.87%	1.31%
3. Good Health and Well-being	37.25%	12.04%	3.70%	7.45%	11.76%
4. Quality Education		1.85%	88.89%	3.72%	0.65%
5. Gender Equality		4.63%		3.44%	5.23%
6. Clean Water		6.48%	3.70%	8.02%	
7. Clean Energy	5.88%	0.93%		6.59%	1.31%
8. Decent Work and Economic Growth	9.80%	9.26%		7.74%	7.84%
9. Industry, Innovation, and Infrastructure	3.92%	6.48%		6.30%	8.50%
10. Reduced Inequality		0.93%		3.44%	2.61%
11. Sustainable Cities and Communities	33.33%	14.81%	3.70%	7.74%	10.46%
12. Responsible Consumption and Production		5.56%		11.17%	1.31%
13. Climate Action	1.96%	10.19%		14.33%	13.73%
14. Life Below Water				2.29%	
15. Life on Land		0.93%		1.43%	
16. Peace, Justice, and Strong Institutions		1.85%		6.30%	1.96%
17. Partnerships for the Goals	3.92%	1.85%		2.01%	7.84%
Unspecified		0.93%		0.57%	23.53%







Public-private data partnerships create tangible value

- In monitoring and achieving SDGs.
- Specially useful in moments of discontinuity or during crisis
 - e.g. COVID
 - e.g. Nepal earthquake





Successful partnerships take time & trust building

- High transaction costs
 - To find the right partners
 - To bridge capacity gaps between parties
- Larger firms with global reach better able to participate and sustain the relationships
- Can be helped by creating legal frameworks that enable these partnerships
- Standard operating procedures can also help





Govts like to engage with private sector data that support multiple policy areas

- Some data can be multi-purpose
- Reduction in transaction cost: one set of data for multiple purposes
 - e.g. Mobile telecom network data in Indonesia





"Brokers" can play a vital role

- Convene parties: data users, data owners, technical experts
- Bridge capacity gaps on all sides
- Provide technical infrastructure
- But need to take an ecosystem approach
 - Open to all
 - Level playing field





Case studies

- Smallholder farmers face challenges as traditional food crops yield less. The West Africa Centre for Crop Improvement (WACCI) in Ghana partnered with KaraAgro, a technology services company. KaraAgro employed high throughput plant phenotyping (HTPP) using data, drones, and artificial intelligence to analyze thousands of individual plants. This collaboration demonstrates a viable model for public-private cooperation between academia and research, emphasizing the importance of open sourcing algorithms and machine learning datasets funded by public or philanthropic sources.
- In Vihiga, Kania, officials use spatial data to make
 decisions. In a constituency called Emuhaya, a geospatial
 information systems (GIS) lab has been providing data and
 testing to the government for years. Vihiga's GIS laboratory
 was instrumental in developing a policy to improve maternal
 healthcare outreach in Emuhaya constituency. Vihiga's GIS
 Lab demonstrates the feasibility of a public-private data
 initiative model that can support sustainable development
 actions at the local level.

In Africa



araAgro

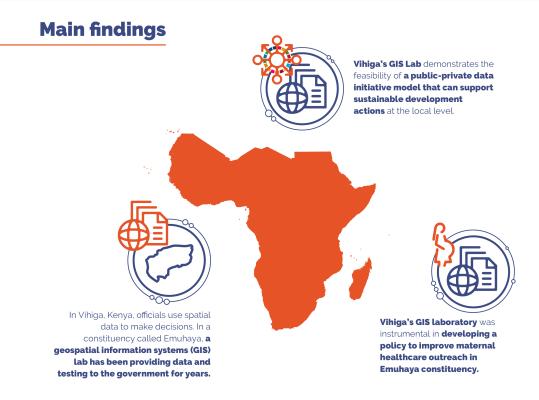
WACCI sought out KaraAgro, a technology services company, to try a new approach to plant phenotyping known as high throughput plant phenotyping (HTPP). KaraAgro used their expertise on data, drones and artificial intelligence, coupled with the plant breeding expertise from WACCI, to collect and analyze data from thousands of individual plants.

AIRBUS

Airbus Defence and Space

Airbus Defence and Space provided satellite imagery of the County, at first for free and thereafter at a highly concessional price. Esri contributed ArcGIS software to support analytics functions over the imagery, and a local company, LocateIT, supported the development of tailored services and solutions to help translate the analytics into actionable insights for the local government.







Asia has witnessed several private sector
initiatives aimed at optimizing data for policy
formulation and achieving SDGs. Pulse Lab
Jakarta (PLJ), a regional organization, played a
vital role in brokering public-private data
partnerships in areas such as climate change,
gender equity, urbanization, food security, and
more. The report highlights the importance of data
ethics, systemic approaches, and open data
publication for successful public-private data
partnerships in the region.

 Microsoft initiated four data initiatives in Asia to make data open and available for better use.
 These initiatives underscore the importance of evidence-based practices, partnerships, and specific metrics to measure the success of publicprivate data initiatives.

In Asia



Pulse Lab Jakarta (PLJ)

Pulse Lab Jakarta (PLJ) is a regional organization based in Asia, which plays a substantial role in brokering public-private data partnerships in the region, linking a range of actors through data sharing ecosystems.

Microsoft

Microsoft

outcome than could be achieved alone.

In Asia, Microsoft has initiated four data initiatives that aim to make data open and available for better use, ultimately helping to achieve SDGs.

Microsoft aims to build partnerships with other organizations to achieve a greater

Main findings Mai



Main findings





 MENA faces significant socioeconomic, political, and demographic contrasts, requiring substantial data and insights for regional development and humanitarian issues. Meta's Data for Good initiative has the potential to support policy and decision-making in areas like health, climate change, gender equality, and emergency response. To enhance the initiative's effectiveness in MENA, training of government partners and context-specific involvement of regional stakeholders in designing and analyzing datasets are recommended.

In the Middle East and North Africa (MENA)

With

Meta's Data for Good

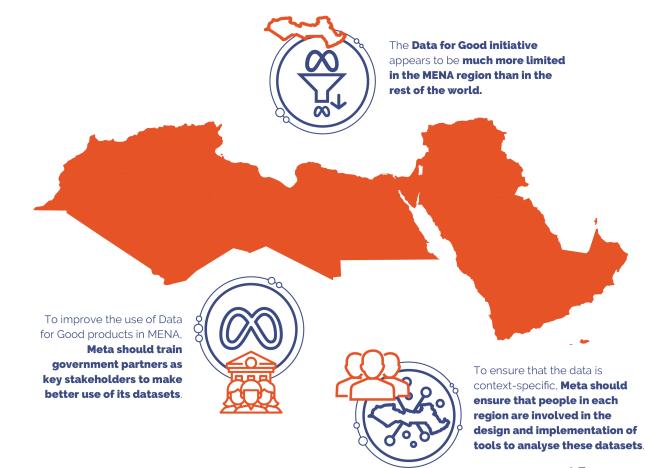
With instant access to detailed data from around three billion users worldwide,

Meta's Data for Good initiative builds maps, conducts surveys, derives insights,
and shares them with users.

These datasets offer some potential for governments in the MENA region to support policy and decision-making in health, climate change, gender equality, emergency response and many other areas.

Main findings

Meta





- The National Institute of Statistics (INE) in
 Chile innovated with the use of scanner data
 to compile the Consumer Price Index (CPI)
 during the COVID-19 pandemic. This initiative
 demonstrates the potential for private-sector
 data to have public value and suggests that
 such models can be expanded and replicated
 in other areas where private-sector data can
 contribute to SDGs.
- Geospatial data derived from earth
 observations (EO) is a promising source of
 high-value data for public decision-making.
 Dymaxion Labs leveraged machine learning
 and computer vision to analyze vast
 geospatial data derived from EO, providing
 valuable insights and data for governments in
 Latin America.

In Latin America



National Institute of Statistics (INE)

The COVID-19 pandemic severely limited the ability of the National Institute of Statistics (INE) to collect data through traditional methods such as in-person surveys. INE decided to innovate with the use of scanner data to compile its CPI by working relationships with four major retail conglomerates including Falabella and Cencosud.



Dymaxion labs

Dymaxion Labs leverages machine learning and computer vision to analyse vast geospatial data derived from EO.

This infographic provides insights into the public-private data initiative between Dymaxion Labs and governments in Latin America.







 The Trust for the Americas, a non-profit organization affiliated with the Organization of American States (OAS), focuses on facilitating public-private initiatives in the Caribbean related to digital skills development, youth education and training, employability, and community development. This model emphasizes the need for defining roles, promoting joint work between sectors, and creating opportunities for dialogue to measure, monitor, and achieve the SDGs.

In the Caribbean



Trust for the Americas

The Trust for the Americas is a non-profit organization affiliated with the Organization of American States (OAS) and established in 1997 to promote public and private nitiatives.

The Trust has a distinctive operating model that makes it uniquely suited for convening and mobilizing private sector actors around a development agenda

Main findings



