



DEVELOPMENT
DATA PARTNERSHIP

The Development Data Partnership

Bridging the data gap using private sector data

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Agenda

- Introduction
- Overview of the Partnership
- How the Partnership works
- Data Partners Onboarding
- Q&A



Overview





Why Data Partnership?

- **Public policy and provision of public infrastructure** and services are heavily dependent on data – **higher quality, timely data** translates into more effective sector and program prioritization, design, implementation, monitoring, and evaluation.
- Increasingly, the private sector is generating data that could be used to **complement traditional public-sector data collection methods**. Through public-private collaboration, in addition to generating more timely and relevant data for decision making, entirely new public good use cases could be discovered and implemented.



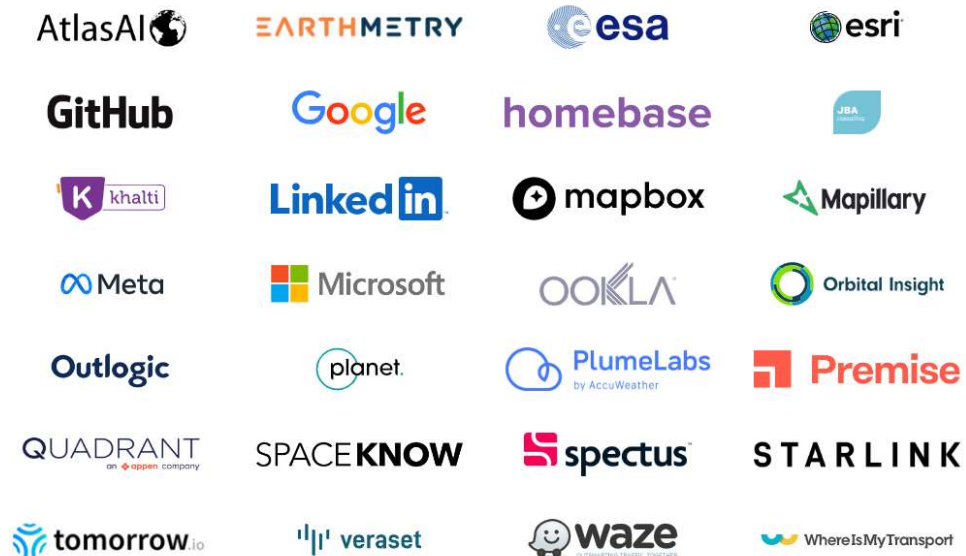


Current Partners

Development Partners



Data Partners





Partnership Goals



Coordinate and aggregate private sector data demand on behalf of public actors



Link public sector challenges and domain expertise to relevant proprietary data



Increase transparency and accountability for integrating use of proprietary data in public good analytics



Reduce duplication of effort and facilitate collaboration on solutions



Significantly reduce the transaction costs associated with data sharing



Increase the capacity of the public sector to procure and use proprietary data and platforms for better decision making





The Partnership Today



Scalable Partnership Model

Growing interests from international development organizations to join the Partnership – the Asian Development Bank is the newest member.



Over 300 Development Projects

Teams from across membership organizations are leveraging data provided by the private sector to address global challenges and the Sustainable Development Goals.



Growing Data Partners

28 active data-sharing agreements signed with private companies to bridge private sector data and public sector needs.



Impactful Results

Insights and data goods generated by the projects are informing public policy and government decision-making across different countries and regions.



How Does It Work?





Partnership Pillars



LEGAL FOUNDATION

Template data license agreements and MOUs between international organizations saves time and resources.



DATA MARKETPLACE

A web-based proposal management portal facilitates seamless interactions between Data and Development Partners.



SHARED SECURE IT ARCHITECTURE

Centralized IT architecture and processes for ingesting, storing, and pre-processing data, as well as for coding collaboration, lower costs and facilitate secure data use.



DATA GOODS

Accessible code repositories for derived data products and algorithms broaden Partnership impact.



DATA GOVERNANCE

A robust data governance system guides best practices for responsible and ethical data use.





How The Partnership Works

1

Data Partnership

Data License Agreements are signed between the data partner and each participating organizations (e.g. World Bank, IMF, IDB, OECD, UNDP)



2

Project Proposals

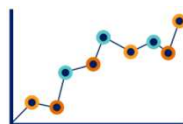
Data partner uses the Partnership Portal to evaluate all proposals for using their data in a project.



3

Data Management

Upon project approval, data are securely and responsibly managed on behalf of all staff through the Partnership IT architecture and procedures.



4

Data Goods

Data partners are kept updated through the Partnership Portal on derived data products and produced code.

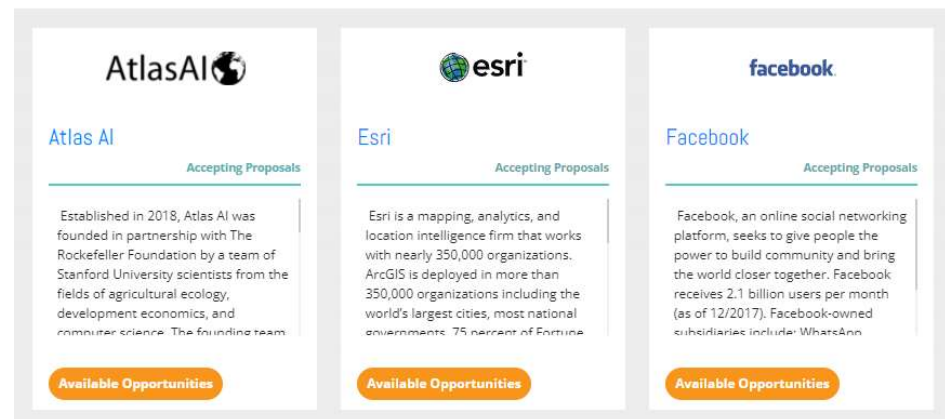
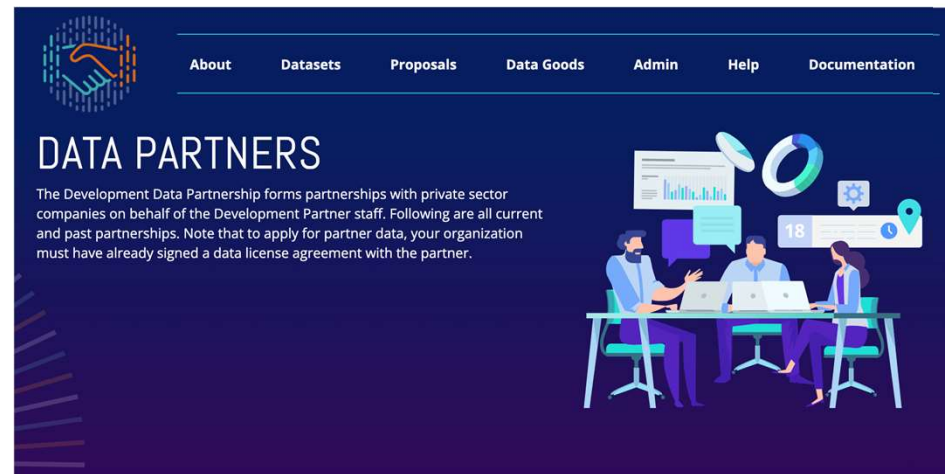




1

Visit the Partnership Portal

<http://datapartnership.org>



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1 Visit the Partnership Portal

2 Explore the Datasets

ArcGIS Living Atlas of the World

Description:

ArcGIS Living Atlas of the World contains authoritative maps on thousands of topics. You can use the Living Atlas to explore ready-to-use maps and data provided by organizations around the world. Through the Living Atlas, you can access maps and data in categories like:

(a) Basemaps: The Living Atlas includes over a dozen vector and raster basemaps, built using the best available data from authoritative providers. Each one emphasizes a different view of our world such as topographical features, historical maps, streets, terrain, and imagery.

(b) Imagery: The Living Atlas provides recent high-resolution imagery for most of the world, lower-resolution global imagery (updated daily), and near real-time imagery for areas affected by major events like natural disasters. You can also access archived imagery from the past five years. In addition, you can use multispectral imagery to evaluate land cover characteristics.

(c) Boundaries—The Living Atlas includes maps and layers that capture administrative, environmental, and geometric boundaries. For example, you can access maps that delineate the borders for countries, regions, states, cities, administrative areas, postal codes, and more. You can use these boundaries maps to provide simple geographic context or to aggregate your data at various scales.

(d) People—The Living Atlas provides maps that describe the characteristics of people in the US and more than 130 other countries. You can access maps for population, housing, employment, education, income, consumer spending, and hundreds of other demographic and lifestyle variables. These maps help you better understand people and their behavior.

(e) Infrastructure—The Living Atlas provides infrastructure maps that cover topics like transportation, buildings, utilities, businesses, and agriculture. You can overlay your own data against these maps to see the relationship between your operations and underlying infrastructure. Some of these maps are dynamic, such as the live World Traffic Map, which is updated every few minutes with data on traffic incidents and congestion.

(f) Environment—The Living Atlas includes maps about the systems that make up our natural environment. For example, you can access earth observations layers (from sources like NOAA and USGS), oceans content, elevation and bathymetry data, weather and climate observations, land cover maps, and more. With these maps, you can make more environmentally informed decisions.

In addition to the rich geographic content, you can request access to ArcGIS Online in order to manage, analyze and share both spatial and non-spatial data.

[Submit a proposal](#)

[Read More](#)

[Additional Resources](#)

[Edit](#)





- 1 Visit the Partnership Portal
- 2 Explore the Datasets
- 3 Submit the Proposal



Proposal Overview

Give your proposal a title (150 characters)*

Data Partner*

Data Set*

Add Data Partner

Please select sustainable development goal(s) and/or sector(s) addressed by your project

What regions or countries will your data focus on?*

Please specify the date range of the data, if applicable

From Date

To Date

At what geographical level are you hoping to gather data? For example, are you looking for country, city or neighborhood level?

Describe your Idea in Two Sentences*



Data Management



Web Portal

Data Partner offers access to their online platform to visualize and download the data



API

Data Partner provide Free access to their API



Cloud

Data Partners providing large data >10GB shares data in the cloud using S3 Buckets



Files

Data Partner shares files in csv, json... format and shares them in a file storage system SharePoint





Data Access

- All data access require a proposal submission via the Portal
- Access is subject to project proposal being approved by the Data Partner
- Terms of use are documented on the Portal
- Review and acceptance of terms required from data users prior to access



Terms and Conditions

Before being granted access, you **must** confirm your acceptance and ability to comply with the following **data license terms and conditions**.

Important

Please note that any violation of these terms may affect your future participation in Development Data Partnership opportunities, so please be sure to read these carefully before responding with your confirmation.

License Grant

Atlas AI grants a nonexclusive, fully paid-up, royalty-free limited license to use, exploit, reproduce, distribute, and to create Derivative works from the Dataset(s) provided to your team, for the sole purpose outlined in your proposal.

License Restrictions

Under no circumstances may original data be shared with third parties. All Derivative Works may be redistributed freely but this does not grant any exclusive rights in or ownership of the Dataset(s).

Publication

Before any publication or any public statement regarding your use of data, consent prior to submission is required. Publications include: manuscripts, presentations, posters, and models.

The Development Data Partnership will facilitate this review process on behalf of staff. When ready to publish, please [contact us](#).

Reporting

The Development Data Partnership requests that you complete a brief bi-annual survey (~5 questions) to report on progress, so that we may share your successes and challenges with our data partners, as well as to facilitate access any support or additional resources that your team could benefit from.



Getting Access

After submitting your project proposal to the [Development Data Partnership](#) and having it approved, you will receive further instructions.

Important

In respect to our legal agreement with the partner, we kindly ask that **all members** working with the data be part of the project proposal and accept the terms and conditions of the master data license.



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Partnership Documentation



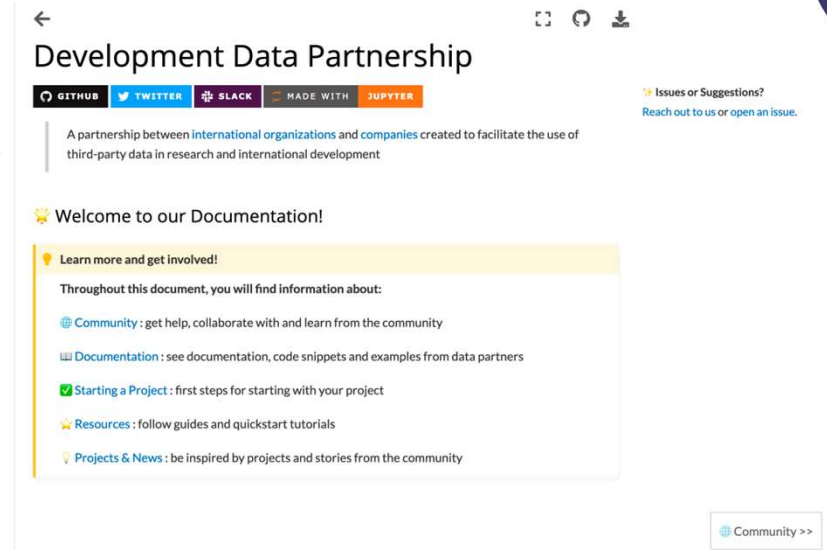
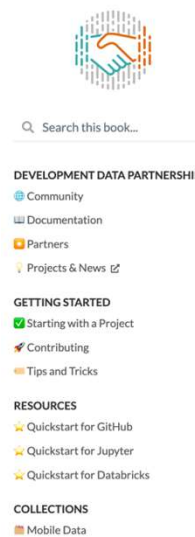
Data Access



Code snippets & Tutorials



Project examples and data goods.





Data Partners Licensing

- Data Partners sign standard Master Data License Agreement (MDLA)
- Same MDLA template across all Development Partners = efficiency
- Licensing done by IMF Library –coordinate with legal counsels of the other Development Partners



[Note the following instructions before beginning work on this document.]

This Agreement is structured as follows:

- (a) Agreement and Annex 1: these are standard among all Consortium Members. Changes are **not possible to these portions of the Agreement**;
- (b) Annex 2: Any proposals to add/change the Agreement must be listed under Annex 2, paragraph 3, for consideration.] [Delete this instruction from final version]

Master Data License Agreement

This Master Data License Agreement ("Agreement") is between the International Monetary Fund (the "IMF"), in its capacity as "Consortium Member" herein, and [Name of Licensor] ("Licensor") (the Consortium Member together with the Licensor are each referred to as a "Party" or collectively as the "Parties"). The Parties hereby agree to work together on activities outlined in this Agreement related to the sharing and use of Dataset(s) according to the terms and conditions provided herein. This Agreement consists of this Master Data License Agreement, and the following Annexes to it: Annex 1 - Definitions; and Annex 2 – Dataset Schedule, which are hereby incorporated by reference. If there is any conflict among any of the Annexes and this Agreement, the Master Data License Agreement shall take precedence over the Annexes.

[Name of Licensor] is a [describe legal status of entity] engaged in [describe main area of operations].

I. Nature of Master Data License Agreement and Dataset(s)

This Agreement sets forth the general terms and conditions applicable to the Dataset(s) described in Annex 2 - Dataset Schedule ("Dataset Schedule"). Each Dataset Schedule may set forth additional terms and conditions applicable to the Dataset(s) provided thereunder. Each Dataset Schedule shall be in writing and shall be effective when countersigned by the Licensor. Each Dataset Schedule shall be incorporated in and made part of this Agreement, and references to this Agreement shall include any Dataset Schedule in effect from time to time. The Licensor is expected to respond within 15 calendar days upon receipt of each Dataset Schedule. Included in each Dataset Schedule, the Consortium Member will submit proposed use case of Dataset(s) to Licensor for approval, where applicable.

II. Objectives

The Licensor hereby provides the Dataset(s) specified in the Dataset Schedule for the Consortium Member's use to achieve (a) the Purpose set forth in the Dataset Schedule, and (b) other objectives consistent with the Consortium Member's mandate.

III. Implementation

- (a) **Effective date of this Agreement:** This Agreement shall come into force and effect upon signature by both Parties on the date of last signature set forth herein ("Effective Date").

- (b) **Term of the Agreement:** [Please choose option (i), or (ii), or (iii) from the list of options below. The recommended option is (i) below.] If none of these options comply with the

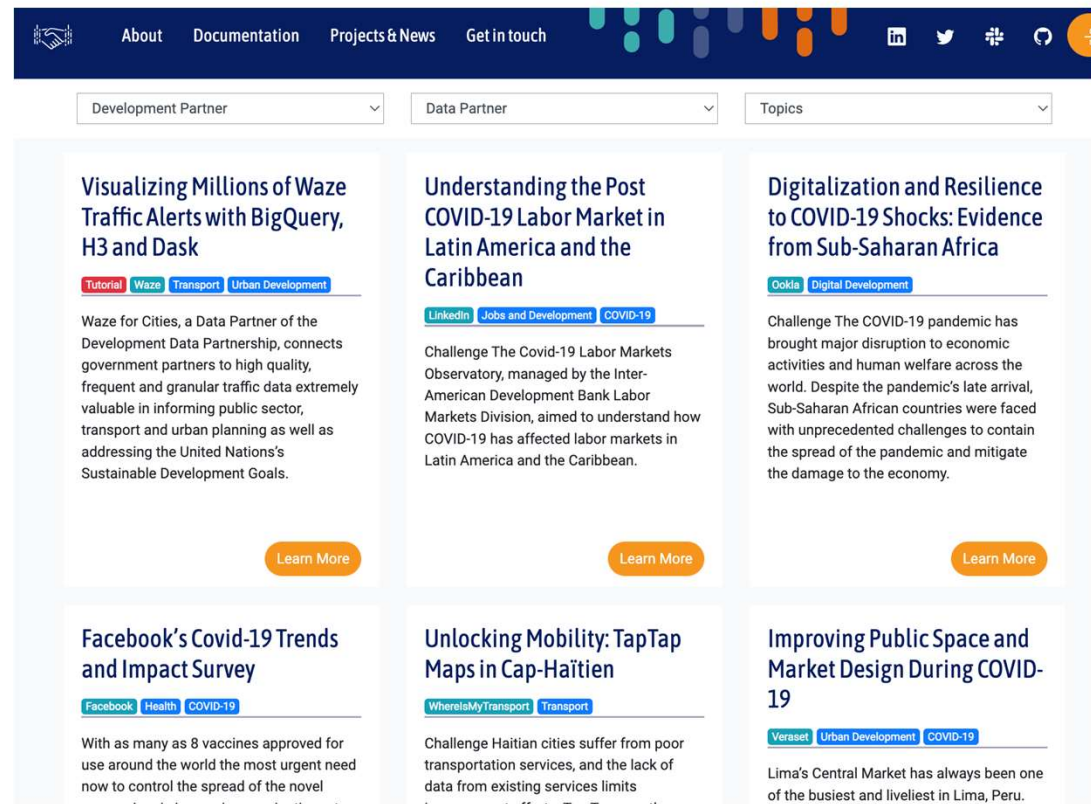


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Outreach

- Newsletter
- Social Media Channels
- Projects and News (Blog)



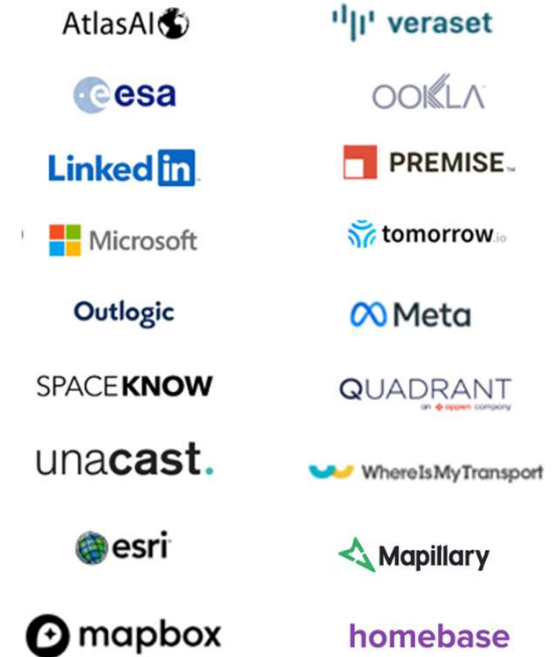
Outreach & Data Partner Onboarding





Data Partner Prioritization

- Pro bono non-traditional data providers
- Interested in Data for Good collaboration
- Data Partners already licensed for the Partnership
- Existing data providers to the Fund interested to join
- Staff send suggestions to Datapartnership@imf.org



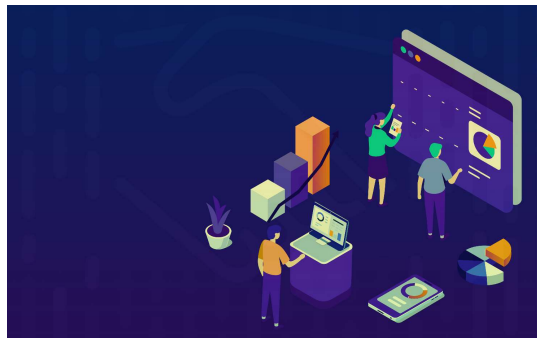


Data Partner Motivation



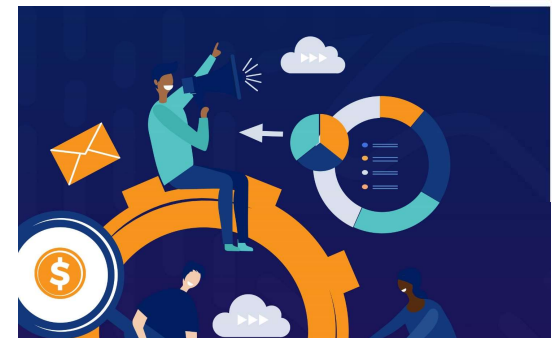
Corporate Social Responsibility

The Partnership helps companies leverage their existing resources to promote social good, beyond day-to-day business, in a manner that is secure and supported by recognized international organizations.



Positioning

Partnerships are advertised to staff across all membership organizations -- by offering a subset of their products or data without charge, partners can raise brand awareness amongst a large and relevant market



Product and Market Discovery

Staff working with partner data may identify potentially novel and new use cases for data and products. These developed and tested uses may inform new products for the partner, as well as new markets.



Use Cases





Use Cases

Commercial Real Estate in Crisis: Evidence from Transaction-Level Data



IMF staff used granular mobile location data in the US from SafeGraph to document how the Covid-19 crisis unfolded and elaborate on the role of heterogeneity and underlying shocks. Both a set of reduced-form approaches and a structural framework suggest a prominent role for demand-side local factors in the short run, along with significant shifts in preferences during crisis episodes. However, valuations become more closely linked to macro-financial factors over the long term.

Data Partner: SafeGraph

[Read More](#)



Tracking the Green Labor Market Transformation



IMF staff from the Research Department used LinkedIn green jobs data to track green employment trends and better advise country authorities on green job policies and achieving sustainable economic growth in the post COVID-19 era. The team found that recent patterns in hiring rates suggest greener jobs were relatively more resilient throughout 2020. In addition, developments in job postings suggest more resilient demand for greener workers.

Data Partner: LinkedIn

[Read More](#)

Internet Adoption Trends During Covid-19



IMF staff analyzed Ookla Internet Speed data to measure the intensive margins in internet quality and show that, contrary to popular expectations, internet adoption does not appear to have accelerated much during COVID-19. The annual growth of internet users accelerated only in Emerging Market Economies during COVID-19 driven mainly by the rapid internet adoption in India, which had started before the outbreak of the pandemic. Internet adoption in Advanced Economies and Low-income Developing Countries remained at the historical trend since the outbreak of COVID-19.

Data Partner: Ookla

[Read More](#)





Use Cases

Measuring Economic Anxiety in Southeast Asia



The World Bank Team analyzed how COVID-19 cases fuel the economic anxiety in ASEAN countries using granular Google search trends data. To measure economic anxiety, search trends were collected for seven ASEAN countries - Singapore, Malaysia, Thailand, Cambodia, Indonesia, Philippines, and Vietnam - in five categories (aid, assistance, debt, government and unemployment) on a daily frequency. Results from the analysis can give policymakers real-time insights into the growing anxiety due to COVID-19 cases and reactions to fiscal policies.

Data Partner: Google

[Read More](#)



Assessing Social Inequality and Lockdown Policies using Mobile Location Data in Indonesia



The Global Facility for Disaster Reduction and Recovery Team used Cuebiq privacy-protected GPS location data to derive actionable insights to inform COVID-19 responses to better protect urban dwellers against risk. The analysis showed how lockdown policies such as stay-at-home orders and non-essential business closures impacted differently over time and across district boundaries. For instance, In Indonesia, economically advantaged residents reduced the number of neighborhoods they visited by 25%, eight percentage points higher than that observed for lower-income people.

Data Partner: Cuebiq

[Read More](#)

Developing a Climate Change Indicators Dashboard



The IMF has developed a [Climate Change Indicators Dashboard](#) covering covers four domains: (1) economic activity and climate indicators; (2) cross-border indicators; (3) financial and physical and transition risk indicators; and (4) government policy indicators. The dashboard responds to the growing needs for climate change indicators for macroeconomic and financial stability analysis. Levering ESRI ArcGIS technology and Living Atlas database, it allows a broad range of users to access these indicators in one single state-of-the-art web site.

Data Partner: ESRI

[Read More](#)



Q&A

datapartnership@imf.org



THANK YOU



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