

PLACE

A global non-profit
technology
organization
helping
governments map
their urban
landscapes

place

/pleɪs/ noun

The tangible and intangible associations that encompass location, locale, position, and community, and our emotional sense of identity, purpose and belonging

Mission. To make timely, affordable, and reliable mapping available for our government partners and community members.

Purpose. We are passionate about helping governments gain sovereignty over mapping data to better deliver services to their citizens and communities and we believe mapping data must be as available as possible to allow for innovation and opportunity.

OUR DNA: OMIDYAR NETWORK PROPERTY RIGHTS INITIATIVE (2013-2020) BECOMES PLACE (2020>). Innovation, Grants & Investments.



THE PROBLEM

Over the next 30 years, 2.5 billion people and up to 1 billion more vehicles will be added to urban centers. Three-quarters of the infrastructure that will exist in cities by 2050 has yet to be built. 80% of global GDP is produced in cities, 75% of energy-related emissions come from cities and 70% of city dwellers lack reliable access to at least one core service, like housing, water or electricity.

Africa is changing drastically driven by rapid urban growth and expansion. Africa will be the world's most populous region by 2030 with a population expected to nearly double from 1.3 billion in 2020 to 2.5 billion by 2050. By 2100, 13 of the world's 20 biggest urban areas will be in Africa. And yet much of the developing world including Africa has not been mapped in over 60 years.

Small Island Developing states globally make up 57 nations and territories that face unique social, economic and environmental challenges. With relatively small land areas and populations they are particularly vulnerable to biodiversity loss and climate change because they lack economic alternatives. A lack of scale is compounded by limited institutional capacity, scarce financial resources and vulnerability to external shocks.

Expanding numbers of satellites provide more mapping data but these data can be expensive, difficult to use and can have restrictive licensing terms making them hard for Governments in emerging economies to access and own

Snap, Google, Bing, Niantic Labs, etc., are now the largest global mapping agencies but their maps are used for commercial purposes and are not freely available to Governments

Economies globally are being driven by digital transformations of which mapping data is critical, but emerging economies are currently not able to leverage these data for their benefit. The total annual global market for mapping is worth more than \$400B and is growing at a CAGR of 14%

HOW IT WORKS

2 PIONEER

PLACE provides personnel to train and develop capacity at our cost. Government provides in kind assistance including permits, clearances, ground control points, and staff and facilities for training and processing. PLACE conducts imagery audit for Government

1 MOU

PLACE partners with Government agencies responsible for mapping



3 SCALE

PLACE funds local companies at its own cost to collect all imagery. We aim to collect aerial and ground imagery every 12 months, depending on equipment and resource availability. PLACE Labs processes and checks all data. Existing Government imagery can be put into PLACE Trust at no cost to Government



All data produced by PLACE is owned by Government. PLACE receives a license from Government to a copy of the data and puts it in the PLACE Trust for use by the PLACE Community

Organizations join the PLACE Community* by agreeing to community principles of use

PLACE raises funding from our community through support contributions and data licensing fees

* PLACE conducts a thorough know your customer (KYC) process for each organization applying to become a member of the PLACE Community. Data access is provided through a secure API. Members can be removed for violating terms and conditions of membership. We ask members to sign on to the Locus Charter.

ThisisPLACE DATA

ThisisPLACE Aerial



Ultra-high resolution (5cm GSD) precisely positioned (+/-20cm) aerial imagery (Dansoman, Dec 2020)

ThisisPLACE Ground



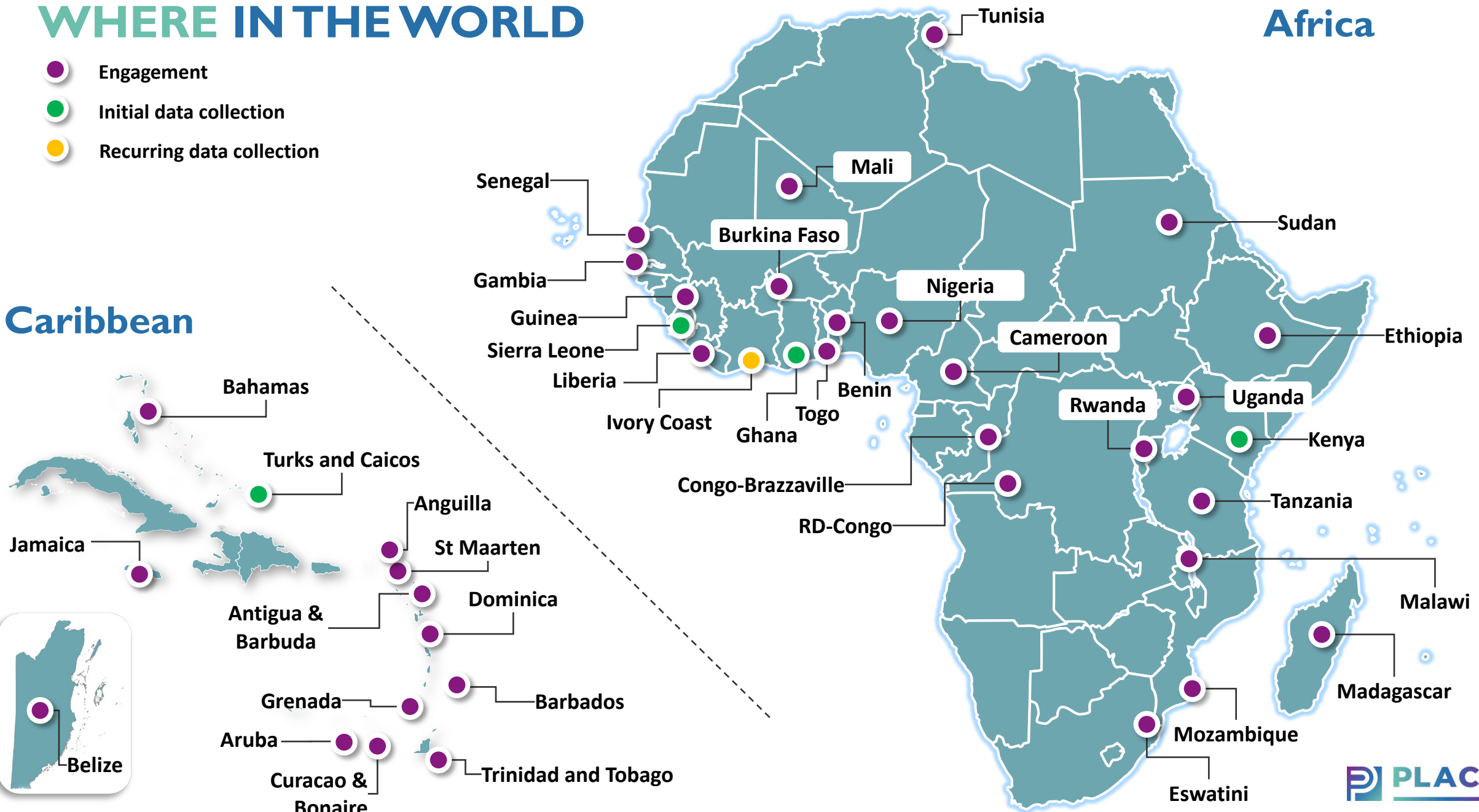
Ultra high-resolution 360° street view imagery (Dansoman, Oct 2022)

WHERE IN THE WORLD

- Engagement
- Initial data collection
- Recurring data collection

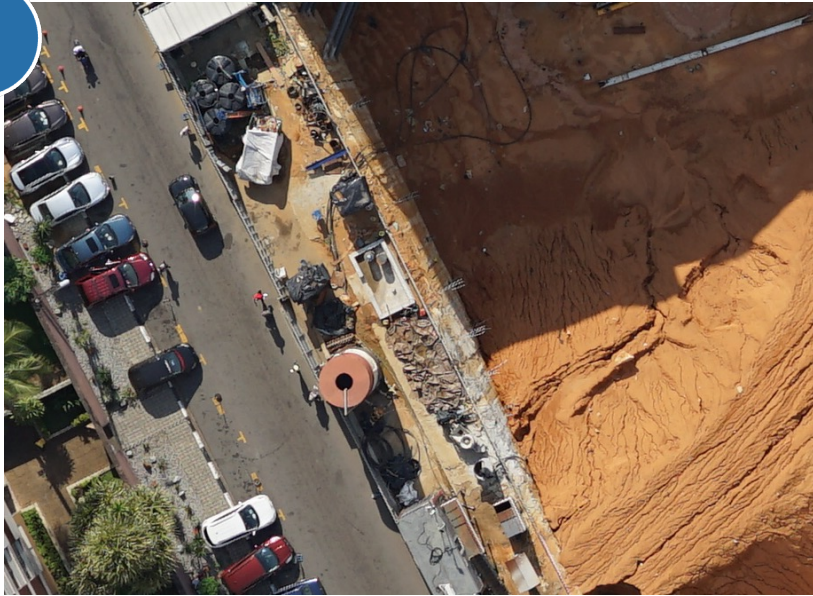
Africa

Caribbean



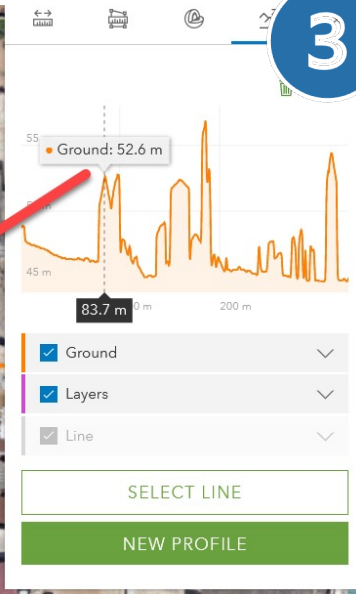
ENDLESS POSSIBILITIES

1



(L) PLACE data provides rapid update of the everchanging urban landscape (Abidjan)

(R) Elevation changes over two points as calculated on the fly, using PLACE data in Dansoman, Accra, Ghana



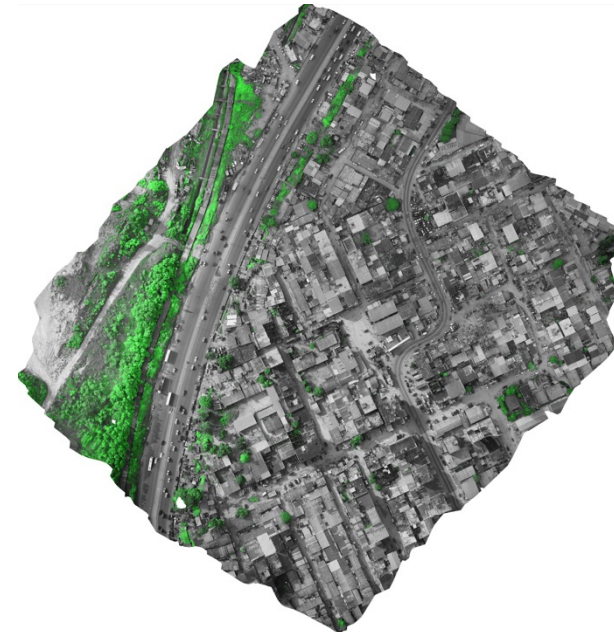
3

2



(L): PLACE data provides an updated base to plan road expansion and properties that would be affected (Abidjan, geospatial analytics by Esri)

(R) PLACE data allows machine learning to detect the location, condition and expanse of vegetation in an urban environment (Abidjan, geospatial analysis by AtlasAI)



4

DEVELOPING A PERMANENT SOCIAL SAFETY NET

One of the major challenges facing Governments is the effective delivery of citizen centric social interventions, and while there have been successes the lack of up-to-date information about people and places severely impacts Governments' ability to effectively target and distribute a range of essential services whether social security payments or vaccinations

Objective

To collect more granular income and household data which can be used to issue vouchers, cash cards, or other electronic payments to those families identified as not being able to afford those commodities unless they continue to be subsidized

Problem

Near-universal cash transfer programs are cumbersome and a burden on a country's finances

Impact

Cost and time for enrollment. Not able to leverage cell phone data to improve delivery. Staffing and infrastructure challenges



SDG 1:
End poverty in all its forms everywhere

Enhancing direct cash transfer programs to allow more effective income modelling and targeting and subsequent effective cash distribution with more precision (PLACE Imagery & Income Model, AtlasAI)



Problem

- Lack of up-to-date information about people and places
- An inability by Government to effectively target and distribute a range of essential services
- Cash transfer programs should be targeted at those most in need

Approach

<p>Data used</p> <ul style="list-style-type: none"> • PLACE imagery • Gridded income models • De-identified cell phone (mobile network operator, or MNO) data 	<p>➔</p>	<p>output</p> <ul style="list-style-type: none"> • Poor neighbourhoods mapped • Housing typologies enable machine learning algorithms to better identify low-income dwellings • Household surveys validate subscriber eligibility • Eligible individuals receive direct cash payments via MNO
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Outcomes

- The combination of high-resolution optical imagery, with information gathered from cell phone data and the application of machine learning to develop models identifies the locations of low-income populations in urban centers.
- Governments can develop and implement a targeted income and direct cash transfers to low-income Urban populations

DEVELOPING SECURE PROPERTY RIGHTS AT SCALE

A major challenge facing Governments is the lack of secure property rights for most of their population. As people are not on the Government map they can and are ignored – essentially invisible in the eyes of Government. By putting all people on the map, PLACE enables people to be seen and to have their own agency as well as a formal defensible record of their use and occupation of land.

Objective

To rapidly collect high quality, accurate map data that provides evidence of occupation and use that allows delivery of secure property rights. Community groups and organizations can use these data to advocate for and deliver property rights.

Problem

Property rights are ill defined with most of the population having no security of tenure

Impact

Delivers an easy to use, accurate, up to date map showing where people live and in what conditions. Allows rapid inventory of housing and population. Provides proof of occupation and use – essential to securing property rights.

1 NO POVERTY



SDG 1.4.2:

Proportion of total adult population with secure tenure rights to land, with (a) legally recognized documentation; and (b) who perceive their rights to land as secure, by sex and by type of tenure.



Problem

- Lack of up-to-date information about people and places
- An inability by Government to document and recognize informal urban "squatters"
- Community organizations such as Cadasta cannot work efficiently and effectively

Approach

Data used →

- PLACE Aerial imagery
- PLACE Ground imagery

Output

- Informal settlements rapidly and accurately mapped
- No cost to govt. or community groups
- Evidence of occupation and use at known time
- Data rapidly produced at scale
- Citizens and community groups have equal access to engineering grade data



Outcomes

- The combination of high-resolution aerial and street imagery allows the rapid and accurate collection of data to provide at scale evidence of occupation and use
- Community and international groups can utilize data at scale to Government input documents needed to grant formal property rights
- Governments and funders now know the areas to direct support to and to partner with community organizations more effectively

IMPROVED HOUSING RESILIENCE

Sound housing investment programs require the right information and good data to understand where the most vulnerable housing stock is and to plan targeted infrastructure investments for home sanitation (kitchen sinks with running water, flushing toilets and windows for proper ventilation), energy efficient technologies and flood mitigation measures among others

Objective

To rapidly and cost effectively map the current state of housing, identifying vulnerability to health pandemics as well as natural disasters and climate change and develop informed policy interventions and targeted investments

Problem

In Bogota Colombia, 59% of housing is vulnerable. Families on the periphery might need home improvement subsidies. Subsidies should be flexible depending on where the housing is e.g., overcrowding in the city center

Impact

Vulnerable housing stock and populations are at risk from the consequences of natural calamities and the subsequent financial impact



SDG 11:
Sustainable cities and communities

Problem

- Lack of information on the physical location of housing by vulnerability type
- Low or irregular frequency of data updates
- Lack of information on the physical location of assets

Approach

Data used -PLACE Ground and PLACE Aerial for:

- Physical location of housing
- Primary characteristics of assets such as construction, occupancy, height,
- Secondary characteristics such as roof type, population distribution and other census data



Output

- Access to accurate, up to date, & reliable data on housing type, households & vulnerability
- Improved targeted upgrading programs & investment
- Housing type proxy for household income

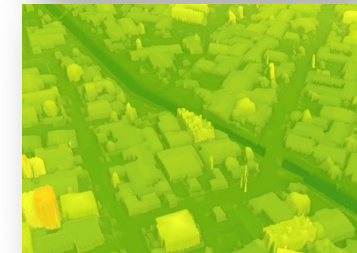


Outcomes

- Identify the most vulnerable housing
- Target policy design, response, and monitoring
- Target beneficiaries, job creation through small works for neighborhood upgrading and home improvement
- Map infrastructure gaps, scale up neighborhood upgrading and urban regeneration and design home improvement and rental subsidy schemes
- Provides a toolkit for municipalities that lack technical and financial resources



Mapping roof condition as a proxy for housing resilience (World Bank).



Modelled surface for flood risk using PLACE Imagery

REFINING POPULATION ESTIMATES

Population mapping and understanding the significance of data related to human populations drives policy, resource allocation and accurately tracking contemporary changes in urban areas



Population data underlie all 17 SDGs.

Objective

To identify, locate and serve those living in poverty, with lack of resources (health, financial, technical, safety, etc.) through regularly updated mapping data

Problem

Accurate & timely data on urban populations in low-to-middle income countries is not readily available to the governments & organizations who need it

Impact

Lack of provision of necessary resources and interventions for populations in need including flooding, housing, service delivery and others

Problem

- Vulnerable people are unable to access basic human needs because they are not counted in official data
- Governments struggle to plan for or respond to emergencies by not knowing where people are
- Not adequately achieving SDGs "everywhere"

Approach

Data used

- PLACE Aerial Imagery
- Secondary data: census data
- Cell phone data, small area surveys, etc.

→ Output

- Data disaggregated by geography, wealth, disability, age, etc.
- Tracking demographic dynamics
- Mapping spatial inequities



Outcomes

- Ensuring everyone is counted and has a voice in elections
- Resources are allocated equitably
- Understanding human needs lack of resources
- Money and time saved given limited resources can be allocated more accurately
- Targeted health and other social support programs
- Targeted assistance in the event natural disasters
- Better track the impact of investments on populations
- Track shifts in aging



Refining population models – WorldPop overlaid on PLACE Imagery showing over estimation of Urban population (Stats from WorldPop)



BETTER INSURANCE COVERAGE

Sound financial decisions require the right information. The financial sector relies on good data, for example, to understand creditworthiness of potential borrowers, assess business opportunities for investments, or carry out actuarial analysis to evaluate alternative financial instruments and strategies.

Objective

Knowing where assets are is critical not only in pricing asset risk but also structuring appropriate and cost-effective financial products to manage or transfer this risk.

Problem

Cities and small island states have heavy exposure to natural disasters. They account for 70% of all natural disasters in recent years.

Impact

\$100B annual loss over the last decade, 2/3rds of which was uninsured.



SDG 11:
Sustainable cities and communities

Problem

- Information must be collated from data spread across multiple entities
- Low or irregular frequency of data updates
- Lack of clarity or inconsistent asset values
- Lack of information on the physical location of assets

Approach

Data used- **PLACE Ground and PLACE Aerial for:**

- Physical location of assets
- Primary characteristics of assets such as siting, aspect, slope, surrounds
- Secondary characteristics such as roof type, foundation or wall siding, population distribution, construction quality, materials, size, height,



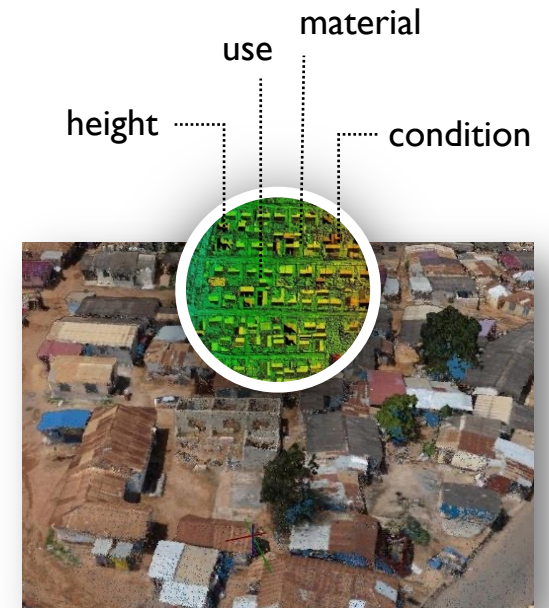
Output

- Accurate, up to date, and reliable data on assets
- Better estimates of assets exposed to natural hazards
- Accurate and timely analysis to quantify risk and inform improved (financial) decisions



Outcomes

- Improved pricing of risks enables both better financial decisions but also improved risk management more generally
- Access to reliable data on assets could spur the development of improved probabilistic catastrophe risk models, with risk modeling firms competing on the risk estimation rather than collecting primary data
- Better standards of data on public assets, insurance exposure, and related losses arising from disaster events



CHALLENGES



Urban flooding in Accra, Ghana 2022

Building trust takes time

- *“This sounds too good to be true. What am I missing?”*
- *“What intelligence service is behind this?”*

Election cycles can delay decision making

Raising additional funding to “prime the pump” to collect enough data to begin commercial licensing revenue generation and achieve self-financing



Flooding in Abidjan, Côte d'Ivoire -- 2022

FROM OUR GOVERNMENT PARTNERS

“Delivering & engendering geospatial success through a collaborative approach. The Turks and Caicos Islands Government and PLACE have crafted a strategic partnership to deliver accurate aerial imagery, street views and the transfer of expertise and technical resources to continue our geospatial development. We are elated to benefit from our status as a PLACE Community Member.”

Wayneworth g. Hamilton j.p., m.sc., B.Sc. (hons.), mrics, cls, Director of Surveys and Mapping, Turks and Caicos Islands

“The primary concern that we have is updating our geographic information. PLACE has allowed us to make a significant leap forward by offering these tools and quality training. The PLACE model is horizontal; it is an alternative partnership model in which we work side-by-side. From the start, we worked together on the areas of interest we had.”

Fernand Bale, Director of CIGN/BNETD (National Mapping Agency of Côte d'Ivoire)

“PLACE is a very insightful and practical program. It really helps our day-to-day activities and broadened our knowledge.”

Exec Director CSIR-BRRI (Council for Scientific & Industrial Research, Building & Road Research Institute) Ghana

PLACE IMPACT

The Invisible Made Visible

Map 100's of millions of people and their places

Partner Success

Our community members are actively providing solutions to make a better place

Data at Scale

Map an area the size of Africa (40 million sq kms) providing insights for climate finance, deforestation, housing, financial services, planning, infrastructure, environment and others



Mobilized Funding and Jobs

Disburse at least USD 100M to organizations and businesses mapping place and create 1000s of skilled jobs in countries where PLACE is mapping

Sustainable Non-Profit

Build and maintain a sustainable non-profit technology organization that maps the world in the public interest

Data Trust

Build and maintain a data trust that is independently stewarded to work in the public interest and provides a means for participation and representation of many

Data Democratized

Put data back in the hands of communities, businesses, organizations and governments

PLACE PRINCIPLES

PURPOSE

Club Good

We fill the vacuum created by a failed public good and provide a trusted alternative to a private good model. We do not compete with our members. By being non-rivalrous our members can thrive from the use of place-based data.

Value Creation

What we do is of value to our members enabling them to create new products, services and insights from the use of place-based data.

Ecosystem

We power a thriving ecosystem that enables businesses, governments, and organizations to be successful through the production and use of place-based data.

TRUST

Accountability

We are based on, and live by a transparent and accountable member based governance model, acting as a trusted steward of place-based data. We abide by the Locus Charter principles that support ethical and responsible practice when using and maintaining location data.

Openness

We must be as open as reasonably possible balancing the interests of all our members

Data Quality & Security

Our data meets quality standards defined by our members. It is reliable, complete, up to date, and secured in a manner which protects the asset.

FUNCTION

Platform

Our technology is based on a proven scalable platform to store and make available vast amounts of place-based data. Providing secure, controlled access for members, it is designed for interoperability

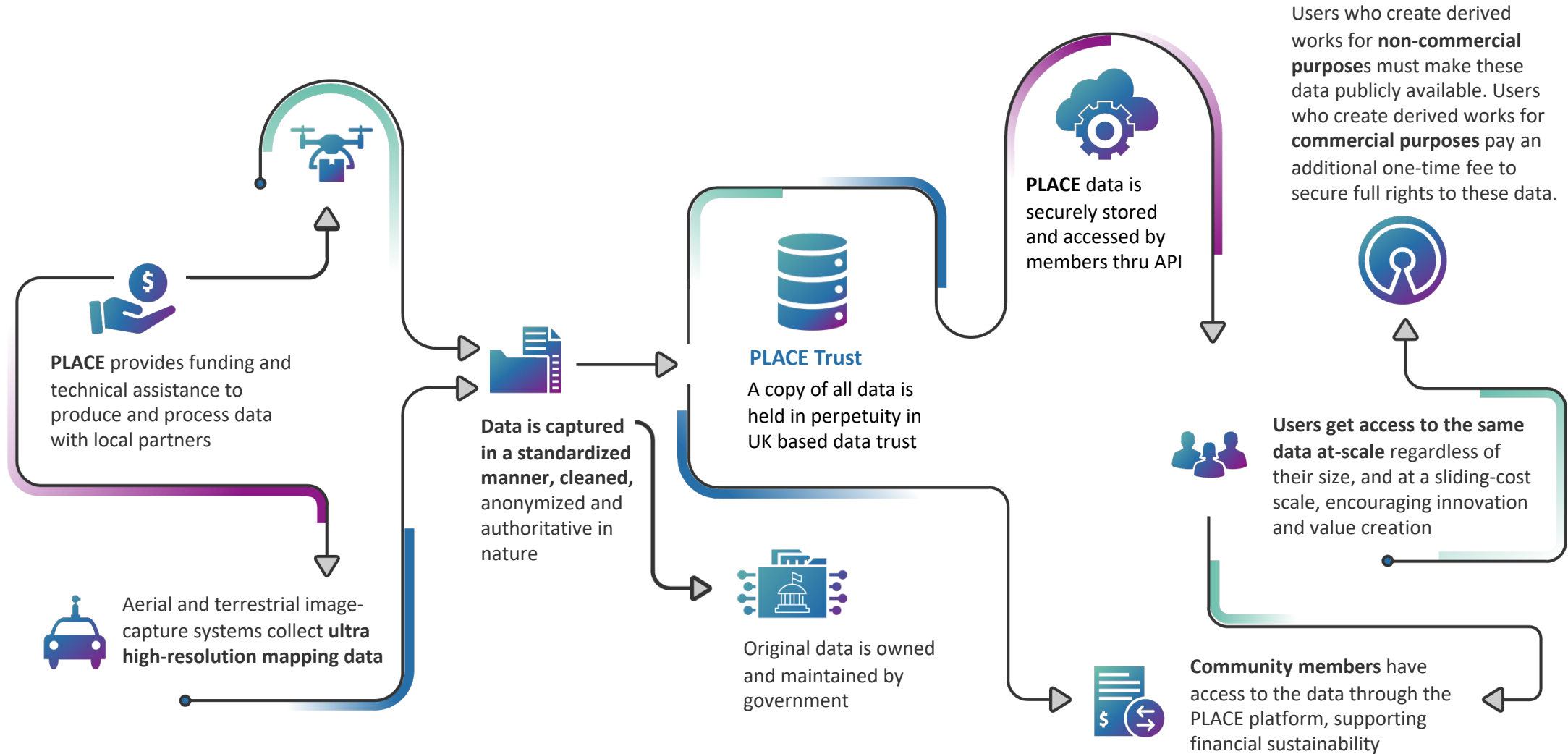
Financially Sustainable

We must be financially viable covering our costs, servicing our debt, investing in R&D, and funding other investment needs.

Learning & Innovation

We deliver benefits to our members by constantly learning, innovating and collaborating.

SELF-SUSTAINING ECOSYSTEM



JOIN US

Peter Rabley
President, PLACE
prabley@thisisplace.org

Washington, DC, USA

Denise McKenzie
Managing Partner, PLACE Trust
dmckenzie@thisisplace.org

London, United Kingdom



[@PLACE](https://www.linkedin.com/company/place)



[@ThisisPLACE](https://twitter.com/ThisisPLACE)



www.thisisplace.org

ANNEX

PLACE TEAM



Peter Rabley
President

- **Omidyar Network**
Venture Partner
- **Thomson Reuters**
VP Global Biz. Dev.
- **International Land Systems**
(acquired by Thomson Reuters)
Founder & CEO

Skills

- Entrepreneurship
- Operations
- Technology
- Geospatial
- Board and Governance
*(Spruce, Picterra, Meridia,
Radiant Earth Foundation)*
- Finance



Amy Regas
Partner, Programs

- **Omidyar Network**
Director
- **Tetra Tech**
- **Chemonics International**
- **Millennium Challenge Corp.**

Skills

- Property Rights
- Land Tenure
- Sustainable development
- Vulnerable populations
- Operations
- Technology
- Geospatial



Charlie Ngounou
Representative, Cameroon

- **AfroLeadership**
Founder and President
- **Association Internationale des Maires Francophones (AIMF)**
Francophone Africa Expert
- **International Aid Transparency Initiative**
Governing Board Member

Skills

- Data Rights
- Digital Strategies
- Open Data
- Government Accountability
- Internet Governance



Chelsea Eversmann
Programs & Outreach Manager

- **History Colorado**
Philanthropy Manager
- **Nurse-Family Partnership**
Donor Relations Manager
- **NC Symphony**
*Individual & Planned Giving
Coordinator*
- **Omidyar Network**

Skills

- Non-profit fundraising
- Strategic Communications
- Program management
- Social Media
- CRM Management
- Outreach Planning & Development



Denise McKenzie
Managing Partner, PLACE Trust

- **Association for Geographic Information (AGI)**
Ethics Lead & Former Board Chair
- **Ordnance Survey**
*Director, Benchmark Initiative,
Geovation*
- **Open Geospatial Consortium (OGC)**
*Executive Director,
Communication & Outreach*
- **Royal Society of Arts**
Fellow

Skills

- Data Ethics
- Sustainability
- Geospatial – Mapping
- Technology
- Public Private Partnership

PLACE TEAM



Frank Pichel
Partner, Field Operations

- **Cadasta Foundation**
Co-Founder & Chief Programs Officer
- **USAID**
Land Tenure & Property Rights Specialist
- **Thomson Reuters**
Business Development Manager and Land Administration Advisor

Skills

- Project Management
- Field Operations
- GIS
- Land information data collection and management
- Land Tenure



Simon Etoundi
Software Architect, PLACE Hub

- **AfroLeadership**
Software Lead, Civic Tech
- **Cabinet of the Prime Minister, Cameroon**

Skills

- Team Management
- Product Management
- Full stack development
- Web & Mobile Applications
- Agile Methodologies
- Data Administration
- Networking technologies



Joseph Okyere
Representative, Ghana

- **Meridia**
Ghana Co-founder
- **Cuwsoft Consult**
- **Casa de Ropa**
- **Skills**
- Project Management
- Government Relations
- Capacity Building
- Community Development



Avy Koffi
Representative, Côte d'Ivoire, PLACE Hub

- **Université Peleforo Gon Coulibaly**
Associate Professor

Skills

- Photogrammetry
- Surveying
- GIS



Kaspar Kundert
Representative, Rwanda

- **University of Münster**
Fellow
- **SmartLandMaps**
- **Honorary Consul General**
- **Esri Rwanda, Ltd.**
- **Skills**
- GIS
- Geomatics
- Business Strategy
- ESRI & ArcGIS



Gabriel Sitezeu
Web Designer, PLACE Hub

- **AfroLeadership**
Web Designer, Web & Civic Tech Developer

Skills

- Web Development
- Graphic Design



Nigel Edmead
Partner, Learning

- **Thomson Reuters**
Director Learning
- **International Land Systems**
- **ESRI**
- **Skills**
- Land Information Systems
- Geographical Info. Systems
- Remote Sensing
- Land Administration
- eLearning
- Training
- Learning Management Systems

PLACE BOARD



Julie Abrams

- **The Nature Conservancy**
Managing Director, NatureVest
- **Palladium: Make it Possible**
Investment Lead
- **Omidyar Network**
Senior Advisor & Consultant
- **Impact Investing Analytics**
Founder & Managing Director

Other

- Impact Advisory Committee, *Apollo Global Management*
- Impact Investing & ESG Advisor, *BlackLab Venture Studio*
- Investment Committee Member, *Habitat for Humanity International*



Victor Asemota

- **Alta Global Ventures**
Africa Partner
- **SwiftaCorp**
Founder
- **Assets & Resource Management**
Advisor
- **African Diaspora Mentorship & Investment Network**
Co-founder
- **Interaction Design Foundation**
African Continent Manager

Other

- Global Mentor at Google Launchpad
- EdInnovates Board Member



Cassie Lee
Chairperson

- **Sound Futures**
Co-Founder and CEO
- **Lockheed Martin Space**
Advanced Programs lead for Weather and Remote Sensing
- **Bye Aerospace**
Strategic Advisor
- **Earthrise Alliance**
COO
- **Vulcan Inc.**
Head of Space Programs

Other

- Co-founder, *Brooke Owens Fellowship*
- Mentor, *Space4Women Network*



Anthony Quartararo

- **Soliloquy Ventures, LLC**
Managing Partner
- **Fulcrum**
Former Founder & CEO
- **URS Corporation**
GIS Manager
- **Avineon, Inc**
Government GIS Lead

Other

- Fulcrum Board Member



Jean Philbert Nsengimana

- **Africa CDC**
Chief Digital Advisor
- **Commons Project**
Managing Director, Africa
- **Former Minister of Youth & ICT, Rwanda**
Spearheaded Smart Africa Alliance and YouthConnect Africa
- **Voxiva Rwanda**
Country Manager
- **Development Gateway Foundation**
Africa Coordinator

Other

- Alliance for Affordable Internet Board Member
- i4Policy Board Member
- Startup Genome Board Member
- Future State Board Member



Prashant Shukle

- **KorrAI**
Chief Operating Officer
- **Global Geospatial Group**
President
Consultancy specializing in next generation data
- **Natural Resources Canada**
Director General, Canada Centre for Mapping and Earth Observation
Director General, Mapping Information Branch, Geomatics Canada
Director General, Strategic Integration, Science Policy Integration Sector
Director, Centre for Topographic Information

Other

- Lifetime Achievement Award, Open Geospatial Consortium

PLACE BOARD (cont.)



Elizabeth Stair

- **CEO, National Land Agency of Jamaica**
- **Island of Jamaica**
Attorney-at-Law
Chartered Valuation Surveyor
- **Lands Commission of Jamaica**
Commissioner of Lands
Commissioner of Land Valuations

Other

Fellow of the Royal Institution of Chartered Surveyors and Assessor for the Royal Institution of Chartered Surveyors



Peter Rabley,
President

- **Omidyar Network**
Venture Partner
- **Thomson Reuters**
Vice President

Other

- Fellow Royal Geographical Society
- Fellow Royal Society of Arts
- Board Member – Toynovo, Zhana. Microbuild



Amy Regas,
Partner, Programs

- **Omidyar Network**
Director
- **Tetra Tech**
- **Chemonics International**
- **Millennium Challenge Corp.**

PLACE TRUSTEES



Chantal Bernier

- **Dentons**
Counsel, Privacy and Cybersecurity, Government Affairs & Public Policy
- **Office of the Privacy Commissioner of Canada (OPC)**
- **International Centre for the Prevention of Crime (ICPC)**
President

Other

- Information Accountability Foundation Fellow
- Royal College of Physicians and Surgeons of Canada
Member of Council



Billy Cobbett

- **Cities Alliance**
*Director
Senior Urban Upgrading Specialist with the World Bank*
- **UN-Habitat**
Acting Chief: Shelter Branch
- Cape Town City Council
Director of Housing
- **Government of South Africa**
Director General, Department of Housing

Other

- Slum Dwellers International (SDI) Board Member
- Indian Institute for Human Settlements' International Advisory Committee (IIHS) Board Member



Rhiannan Price

- **DevGlobal**
Chief Strategy & Innovation Officer
- **Maxar Technologies**
Director, Sustainable Development Practice
- **DigitalGlobe**
*Director, Global Development Program
Senior Manager, Seeing a Better World Program*

Other

- Justice & Reconciliation Project
- Community Development Volunteer – Peace Corps



Peter Rabley

- **Omidyar Network**
Venture Partner
- **Thomson Reuters**
Vice President

Other

- Fellow Royal Geographical Society
- Fellow Royal Society of Arts
- Board Member – Toynovo, Zhana.



Monique Villa

- **Thomson Reuters**
*Special Advisor
Former President & CEO
Thomson Reuters Foundation*
- **Author**
Slaves Among Us
- **Agence France Presse**
*Director of Strategy & Business Development
Bureau Chief UK*

Other

- Recipient of Champions for Change Award
- Recipient of Freedom Award
- Champion of the Global Fund to Fight AIDS, Tuberculosis and Malaria

PLACE ADVISORY BOARD



Budhu Bhaduri (PhD)

- **Oak Ridge National Laboratory (ORNL)**
Director, National Security Emerging Technologies Division
- **U.S. Dept. of Energy's Geospatial Sciences Steering Committee**
Founding Member



Chris Bishko

- **Everly Health**
Chief Financial Officer
- **Tubi**
Chief Financial Officer
- **Credible**
Chief Financial Officer



Robert Cheetham

- **Element84**
Chief Strategy Officer
- **Azavea**
President and CEO
- **Japanese Garden Research Network**
Executive Director



Anthony Denniss (PhD)

- **Airbus Defense & Space /Digital Transformation Office**
Analytics and AI Lead
- **National Space Academy (UK)**
Advisory Board



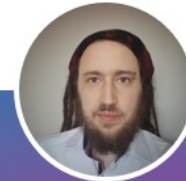
Bill Dollins

- **Fulcrum**
*Chief Information Officer
Vice President, Engineering and Technology*
- **Mangrove Services, LLC**
Owner



Lyndon Estes (PhD)

- **Clark University**
Associate Professor, Geography
- **Princeton University**
Past Research Scientist



Michael Gordon

- **Ordnance Survey**
Strategic Product Manager, OS Data Hub
- **University of Southampton**
MSc, Citizenship and Democracy



Sives Govender

- **Council for Scientific and Industrial Research (CSIR)**
Research Group Leader, Spatial Information Systems
- **Environmental Information System-Africa (EIS-Africa)**
Coordinator

PLACE ADVISORY BOARD



Christopher Keefe

- **PLACE**
Partner, Marketing & Communications
- **Omidyar Network**
Chief Marketing and Communications Officer
- **GMMB**
Senior Vice President



Richard Leftley

- **MicroInsurance Company**
Executive Vice President
- **MicroEnsure**
Founder
- **Opportunity International**
Vice President, Planning and Operations Support



Charlie Ngounou

- **PLACE**
Representative
- **AfroLeadership**
Executive President
- **International Aid Transparency Initiative**
Governing Board -- Member



Jared Novick

- **BlueVoyant**
*Board of Advisors
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- **Amazon Web Services**
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