

UN GLOBAL PLATFORM FOR OFFICIAL STATISTICS

The United Nations Global Platform for Official Statistics is a collaborative research and development environment for trusted data, methods, services and applications. It builds on partnerships between the global statistical community and technology companies, data providers and academia and shows that using Big Data with the latest technologies will improve the quality and relevance of official statistics.

The UN Global Platform enables cooperation and sharing of technological solutions for the compilation of SDG indicators, for example:

- Use of satellite data on the platform to measure the change in the extent of water-related ecosystems over time (SDG indicator 6.6.1)
- Use of satellite data on the platform to measure land cover and land use for estimation of the proportion of agricultural area under productive and sustainable agriculture (SDG indicator 2.4.1)
- Use of mobile phone data to give additional detail in the measurement of migration and mobility of people (Target 10.7 - Facilitate orderly, safe, regular and responsible migration and mobility of people).

TRUSTED **DATA**
TRUSTED **METHODS**
TRUSTED **PARTNERS**
TRUSTED **LEARNING**

The UN Global Platform provides a collaborative environment for technological innovation, which will drive transformative change. Governments, private sector, academia and civil society can work together on the platform to accelerate the development of and access to new technologies. This encourages sharing of knowledge, expertise, investment and technologies, and helps to meet the needs of developing countries for capacity building.

The UN Global Platform for Official Statistics aims to provide scale and scalability for access to and capacity building in the use of Big Data and its integration with administrative sources, geospatial information and traditional survey and census data, and for use of the related services, applications and infrastructure. In terms of products and services, the Global Platform aims to:

- Facilitate the access to and the use of information technology infrastructure and proprietary data sources
- Host specific global data sets, such as satellite data, data from mobile phone providers or social media data, and host projects with global character, such as a global register of enterprise groups and bilateral or multi-lateral data asymmetries for all countries.
- Store and give access to new open source applications for the use of multi-source data sets for more timely and flexible production processes for official statistics and
- Provide training and capacity building services in the use of new data sources in the statistical production

EARTH OBSERVATION

Create trusted official statistics from satellite, aerial photography, drone, and other remotely sensed data

DEVELOPERS

Global collaboration of trusted algorithms

METHODS

Share and reuse trusted algorithms and methodologies

OPERATIONS

Dashboard of availability and performance

The UN Global Platform can foster more research and development of data products, such as data on fresh water extent and on water quality. There are many more opportunities for which collaboration on the global platform would help us get a better picture of our environment, for example: peatlands, wetland extent, ecosystem health, ground water, river flow, water volume in water bodies, marine litter, are just a few examples of where there is already a body of research which could be scaled up and used by everyone.

 **BigDataUN** Global Working Group

<https://www.officialstatistics.org>
<https://unstats.un.org/bigdata/>

BigDataUN Global Working Group

Because of widespread and constant use of telecommunications and other devices driven by innovations in technology, digital information is continuously generated, such as data from Global Positioning System (GPS) devices, automated teller machines, scanning devices, sensors, mobile phones, satellites and social media. The high volume, high velocity and wide variety of these data, which are commonly referred to as Big Data require new tools and methods for capturing, managing and processing them efficiently.

The UN Statistical Commission agreed at its 45th session to create the Global Working Group (GWG) on Big Data for Official Statistics to further investigate the benefits and challenges of Big Data, including the potential for monitoring and reporting on the sustainable development goals. In this context, the GWG and the greater official statistical community recognize the need to adequately address issues pertaining to methodology, quality, technology, data access, legislation, privacy, management and finance, and provide adequate cost-benefit analyses on the use of Big Data.



COUNTRIES

Australia	Denmark	Mexico	Republic of Korea
Bangladesh	Egypt	Morocco	Saudi Arabia
Brazil	Georgia	Netherlands	Switzerland
Cameroon	Germany	Oman	United Arab Emirates
Canada	Indonesia	Pakistan	United Kingdom
China	Ireland	Philippines	United Republic of Tanzania
Colombia	Italy	Poland	United States of America

INTERNATIONAL ORGS

African Development Bank	UN Global Pulse
CARICOM	UNECA
Eurostat	UNECE
FAO	UNESCAP
IMF	UNSD
OECD	Universal Postal Union
GCC-Stat	World Bank
ITU	UN Statistical Institute for Asia and the Pacific

5TH INTERNATIONAL CONFERENCE ON
BIG DATA
 FOR OFFICIAL STATISTICS
 KIGALI, RWANDA 2019

ACCESS AND PARTNERSHIPS
 BIG DATA AND THE SUSTAINABLE DEVELOPMENT GOALS
 MOBILE PHONE DATA
 SATELLITE IMAGERY AND GEO-SPATIAL DATA
 SCANNER DATA
 SOCIAL MEDIA DATA
 TRAINING, SKILLS AND CAPACITY-BUILDING
 GLOBAL PLATFORM FOR DATA, SERVICES AND APPLICATIONS

MORE INFO: <https://unstats.un.org/bigdata/>

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