

UN Global Working Group (GWG) on Big Data and its Task Teams

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Why are Big Data important?

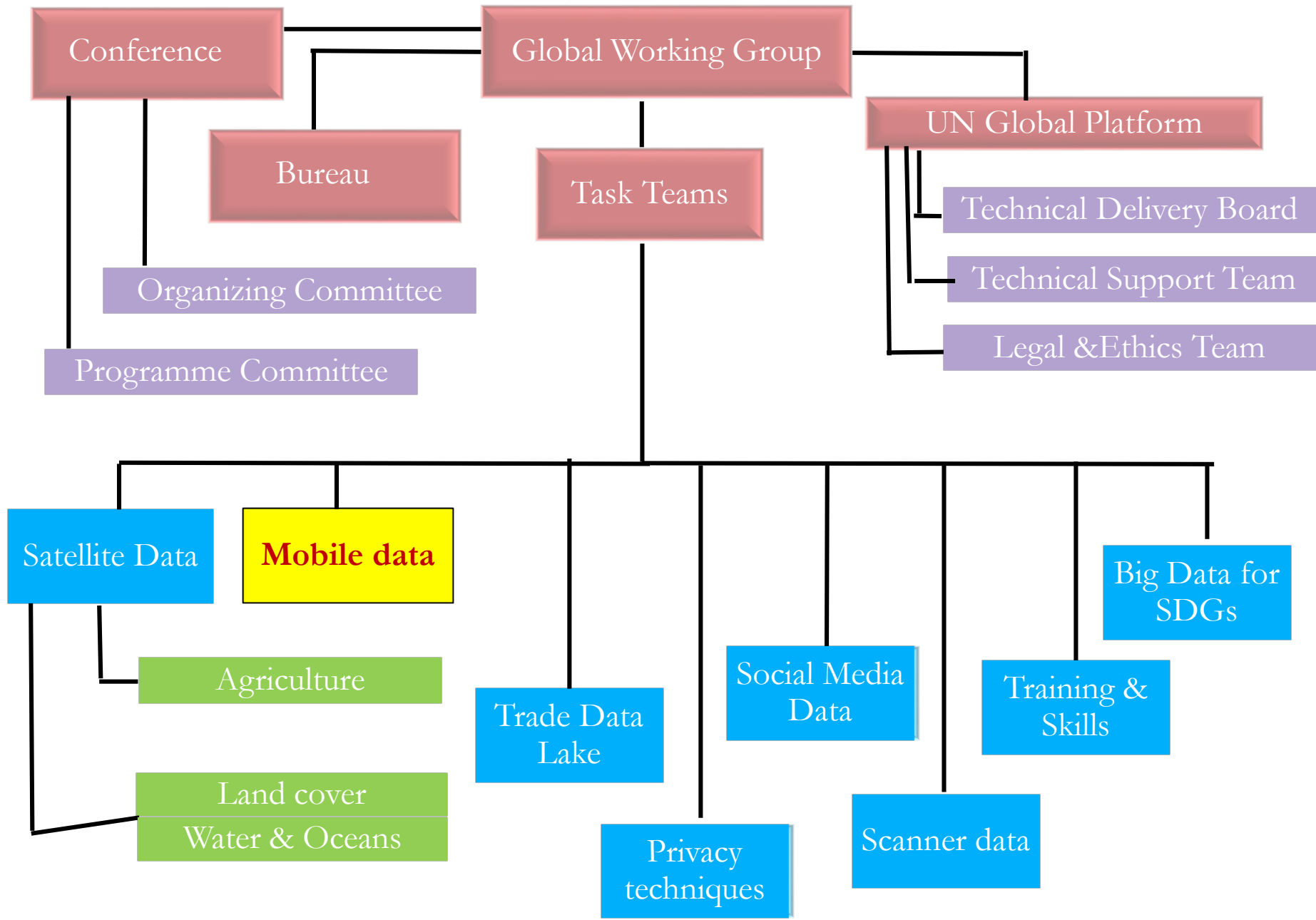
- Big Data can keep statistics **relevant** – **timelier, more frequent and more granular**
- Official statistics needs to develop faster to stay relevant
- Big Data can help meeting the **data demand of the 2030 agenda** – monitoring policies – “leave no one behind”



2014 – UN GWG on Big Data for Official Statistics

Mandate:

- a) To provide a **strategic vision, direction and coordination** for a global programme on Big Data for official statistics;
- b) To **promote practical use of Big Data sources**, covering:
 - **Methodological issues**, covering quality concerns and data analytics
 - **Legal and other issues** in respect of access to data sources
 - **Privacy issues**, in particular those relevant to the use and reuse of data, data linking and re-identification
 - **Security**, information technology issues and management of data, including



UN Global Working Group Bureau

Home > UN Big Data GWG Bureau



Introduction

The Global Working Group (GWG) explores the benefits and challenges of the use of Big Data for official statistics and for the compilation of SDG indicators. The GWG addresses issues pertaining to methodology, quality, technology, data access, legislation, privacy, management and finance, and provide adequate cost-benefit analyses. The GWG consists of 28 member countries and 16 international organizations. Obtaining membership of the GWG is a formal process with approval from co-chairs and the GWG bureau and through official exchange of letters with the UN Statistics Division, as the secretariat of the UN Statistical Commission. The GWG Bureau consists of a subset of the overall GWG. The composition of the Bureau is UK (co-chair), Denmark (co-chair), Canada, Colombia, Indonesia, Mexico, Netherlands, UAE, African Development Bank, UNECE and UNSD. The role of the Bureau is to direct and manage the work of the GWG under leadership of the co-chairs. The Bureau will deal with all the ongoing matters of the GWG, such as reviewing progress of the task teams and possibly creating new task teams; reviewing of the development of the GWG platform and of data collaboratives (projects) on the platform, especially in partnerships with private sector.

Meetings

Documents



Background Documents

- [2019 - UNSC50 - UN Global Platform Business Model Options](#)
 - [2017 - UNSC48 - Global Platform for Data, Services and Applications](#)
 - [2016 - UNSC47 - Report of the 2015 Big Data Survey](#)
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GWG Annual Meeting Reports

- [2018 Global Working Group Meeting Report](#)
 - [2017 Global Working Group Meeting Report](#)
 - [2016 Global Working Group Meeting Report](#)
 - [2015 Global Working Group Meeting Report](#)
 - [2014 Global Working Group Meeting Report](#)
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UN Statistical Commission Reports of the Global Working Group on Big Data

- [2019 - Report of the Global Working Group on Big Data for Official Statistics - E/CN.3/2019/27](#)
 - [2018 - Report of the Global Working Group on Big Data for Official Statistics - E/CN.3/2018/8](#)
 - [2017 - Report of the Global Working Group on Big Data for Official Statistics - E/CN.3/2017/7](#)
 - [2016 - Report of the Global Working Group on Big Data for Official Statistics - E/CN.3/2016/6](#)
 - [2015 - Report of the Global Working Group on Big Data for Official Statistics - E/CN.3/2015/4](#)
 - [2014 - Big data and modernization of statistical systems - E/CN.3/2014/11](#)
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Agenda

- Agenda item (1) Minutes of Meeting 29 and 30
 - Action Items
- Agenda item (2) Visit of Heather Savory to UNSD
 - Progress on UN GP Institute
- Agenda item (3) Working Methods
 - GWG Bureau and invited observers
- Agenda item (4) Symposium on Data Science and Official Statistics, 15-17 Aug 2019, Kuala Lumpur, Malaysia
- Agenda item (5) Other Business

Meeting documents

- Agenda
- Minutes

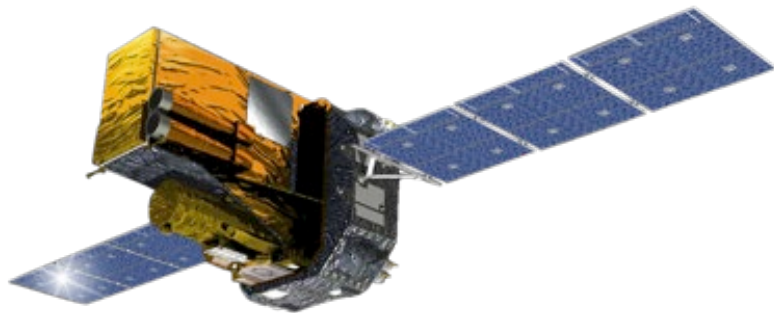
Agenda

- Agenda item (1) Outcome of the signing of the MOI with NBS China
- Agenda item (2) Roles of the GWG Task Teams and the Scientific Advisory Committee in relation to the UN Global Platform
- Agenda item (3) Outreach, promotion and networking of the UN Global Platform
- Agenda item (4) Update on the outstanding action points

Meeting documents

- Agenda
- Minutes
- Roles of the GWG Task Teams

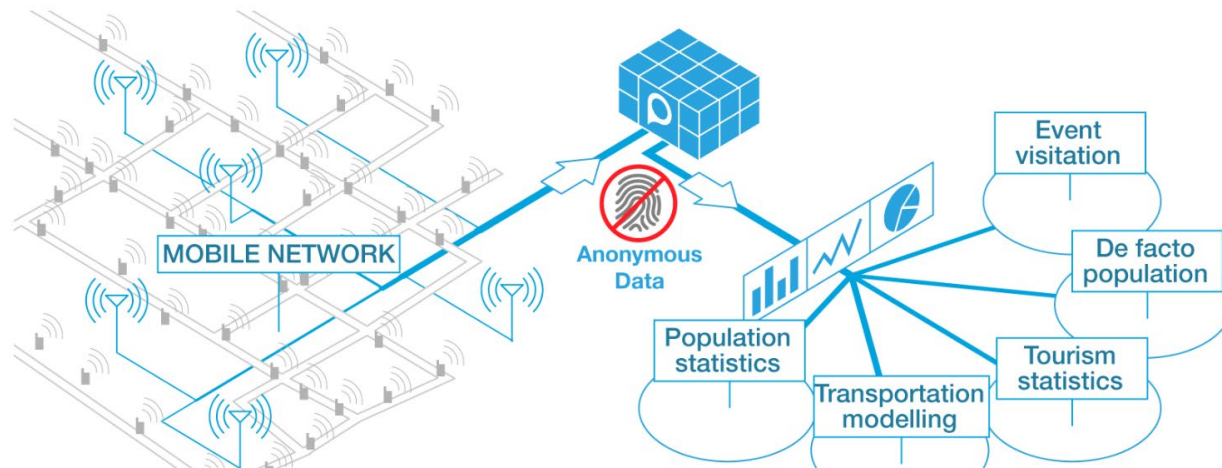
Task Team on the use of Satellite and remote sensing data for official statistics



Accomplishments:

- Handbook on the use of Satellite data for official statistics
- Workshops in Bogota and Bangkok
- E-learning course
- Algorithms and methods

Mobile Location Data Analytics For Official Statistics



- **Accomplishments:**
 - Handbook on the use of Mobile phone data for official statistics
 - Workshops in Bogota, Kigali and Jakarta
 - E-learning course
 - Training materials
 - Methods

Task Team on the use of Mobile Phone data for official statistics

Task Team on the use of Scanner data for official statistics



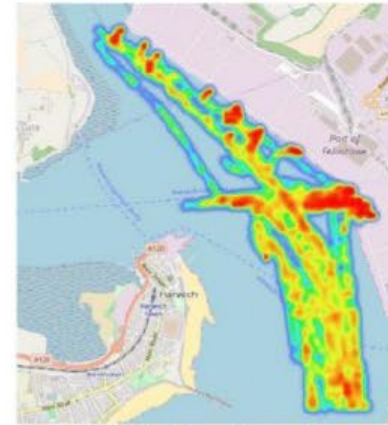
Accomplishments:

- Scanner data methods:
Instructional Guide
- CPI Calculator: Algorithms
(source code and docs)
- Use of various inputs,
including Nielsen data

Task Team on the use of AIS Vessel tracking data for official statistics

Accomplishments:

- AIS global data available
- Use of Location Services
- Webinar on use of AIS data
- Catalogue of AIS algorithms



Monday 12 December 2016



Monday 19 December 2016

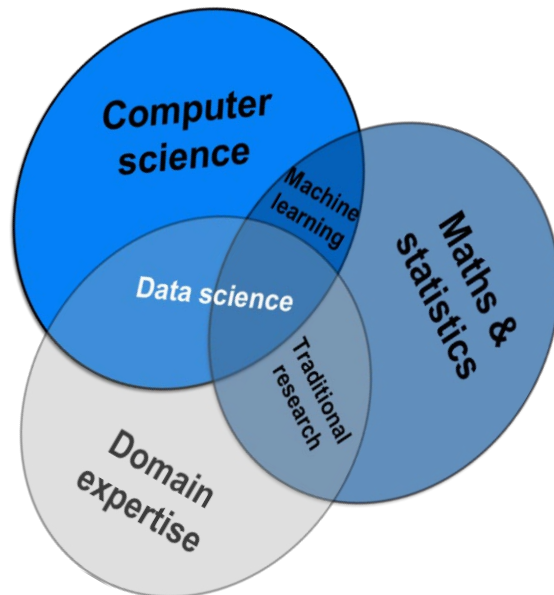


Sunday 25 December 2016



Sunday 1 January 2016

Task Team on Training, Competencies and Capacity Development



Accomplishments:

- Global Assessment of institutional readiness
- Competency framework for Big Data acquisition
- Analysis of Data Science training programs

Task Team on the use of Privacy Preserving Techniques



Accomplishments:

- Handbook on Privacy Preserving Techniques
- Use cases of applying these techniques
- Open source algorithms

Overview of Task Teams

- **EO Task Team** – Overall lead: Born, Alice (STATCAN) alice.born@canada.ca supported by Reichert, Gordon (STATCAN) gordon.reichert@canada.ca on agriculture statistics and Soulard, François (STATCAN) francois.soulard@canada.ca on Land Cover and Land Use statistics
- **Mobile Phone Task Team** – Lead: Magpantay, Esperanza esperanza.magpantay@itu.int of ITU supported by Karoly Kovacs kovacs@un.org of UNSD
- **Scanner Data Task Team** – Lead: Brault, Nathalie (STATCAN) nathalie.brault@canada.ca supported by Michael Smedes michael.smedes@un.org of UNSD
- **Training Task Team** – Lead: Rozkrut Dominik d.rozkrut@stat.gov.pl of Statistics Poland supported by Ralf Becker beckerr@un.org and Ian Mark Rutherford rutherford@un.org of UNSD
- **Privacy Preserving Techniques Task Team** – Lead: Mark Craddock mark.craddock@officialstatistics.org
- **AIS Task Team** – Lead: Markie Muryawan muryawan@un.org of UNSD

Overview of Task Teams



- Data Integration Task Team – Lead: Steven Vale steven.vale@un.org of UNECE
- Big Data and SDGs Task Team – Leads: Niels Ploug NPL@dst.dk and Yusuf MURANGWA yusuf.murangwa@statistics.gov.rw of Statistics Rwanda
- Social Media Task Team (dormant) – Lead: MUÑOZ LOPEZ JUAN Juan.Munoz@inegi.org.mx of INEGI and Ronald Jansen jansen1@un.org of UNSD

New Task Teams

- Admin Data Task Team – Lead: DFID Data Science Team (no focal point received) and Niels Ploug NPL@dst.dk
- Biodiversity/ World Conservation Task Team – Lead: Corli Pretorius corli.pretorius@unep-wcmc.org including EO for urban settlements / urban architecture / Planetary Health

UN Global Platform - Hubs

Work Programme

- Projects
- Training activities
- Project staff
- Secondments



UN GWG Task Teams

Terms of Reference

- Projects
- Training activities
- Handbooks
- Best practices

Thank you