

United Nations Global Platform



Ronald Jansen

Assistant Director

United Nations Statistics Division

New York, USA

Email: jansen1@un.org ; BigData@un.org

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

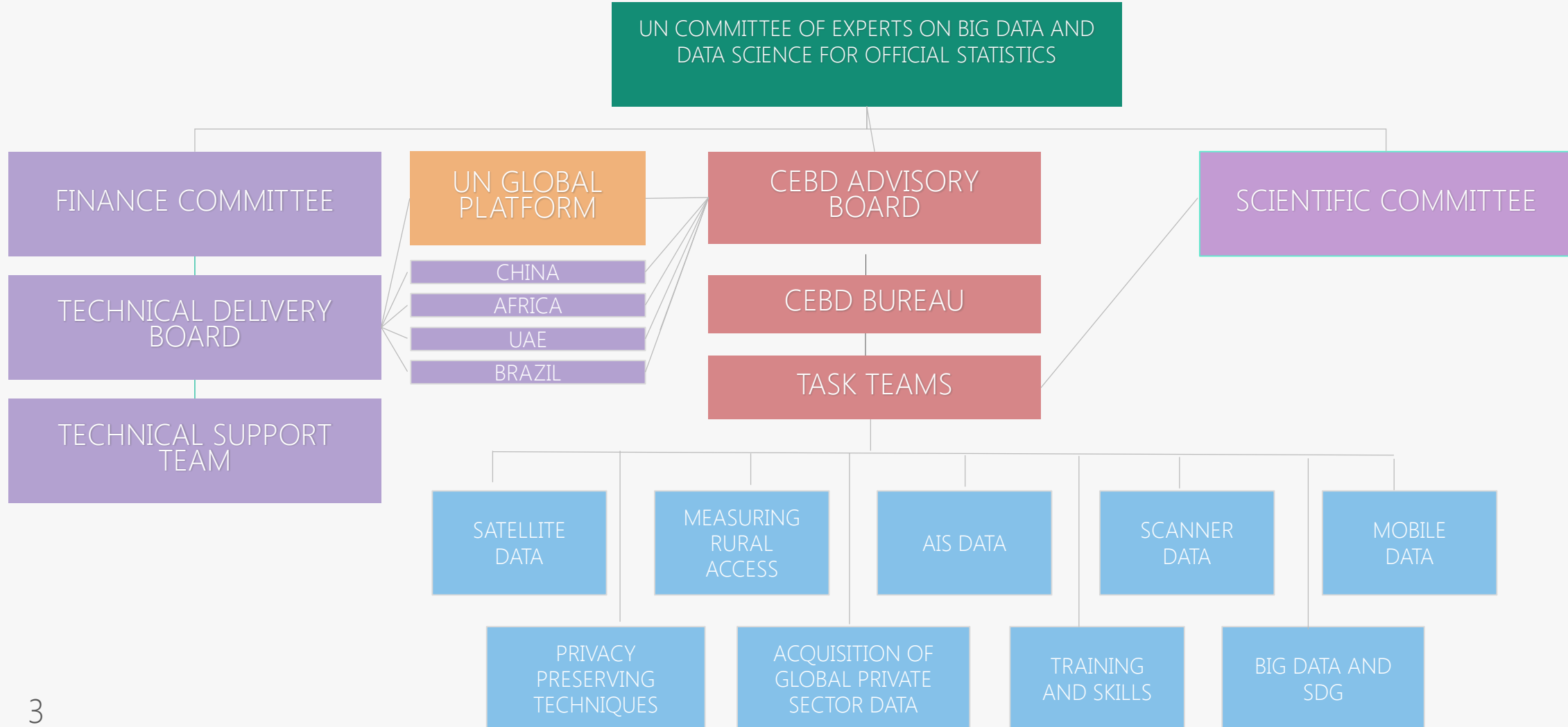


UN Committee of Experts on Big Data and data science for official statistics

- Created in March 2014 by the UN Statistical Commission
- Mandated to give direction to the use of Big Data for Official Statistics
- Inter-governmental body with 31 countries and 16 international organizations
- Collaboration of more than 300 experts from all stakeholder communities



Functional Organisation of Experts





Why did the UN Committee of Experts on Big Data create the UN Global Platform?

- Global data sets, Common methods, Shared services
- Working together – Global collaboration: developing and testing new methods
- Learning together – Capacity Development and Training materials

**We need to innovate faster –
together**



TRUST

Trust is central to the Global Platform. It is founded on the four pillars of:

- Trusted Partners
- Trusted Data
- Trusted Methods
- Trusted Learning

Trust is achieved through collaboration, peer review and approval of all work undertaken on the platform.

UN Global Platform

Purpose: Global collaboration on Data innovation

Provides:

- Access to Data
- Access to Technology services
- Access to Expertise
- Making use of Big Data possible for small offices



Data

Global data

AIS Vessel tracking data
Satellite imagery data

Synthetic data

Mobile phone data
Smart surveys

Data as a Service

Trade data
Shipping register data
Port activity
Global group registers

Technology services

Cloud Services

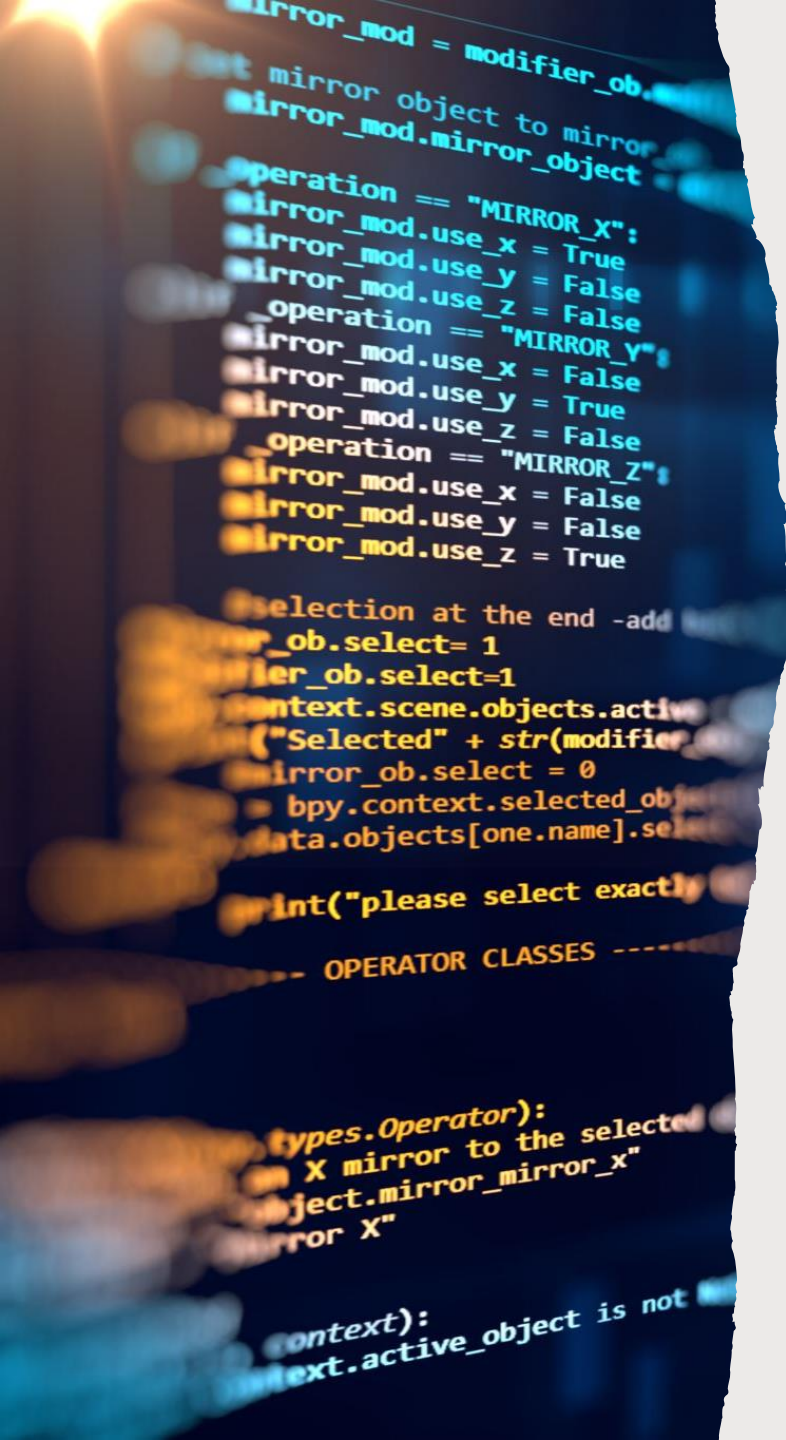
AWS
Google Cloud Platform
MS Azure
Alibaba

Supports Services

Cloudflare
Okta
Data Mechanics
Zoho
Geckoboard
Hotjar
Google suite
Zendesk

Developer Services

Jupyter Notebook
R, Python
Algorithmia





Expertise

Data engineers


Cloud experts of NSO
IT experts of NSO
AWS support

Data scientists

AIS experts
Flowminder
Positium
Open Mined
University of Tokyo
Bocconi University
University of Oslo

Statisticians

Statistics Canada
Statistics Netherlands
ONS, UK
BPS Indonesia
UN Statistics Division
ISTAT
Statistics South Africa
Statistics Poland
World Bank
Statistics Denmark
NBS China
FCSC UAE
NISR Rwanda
IBGE Brazil



Projects

Projects

- Port activity
- Maritime emissions
- PET lab
- ARIES for SEEA
- Sen2Agri
- SDG finance
- Social responsibility

Technology stack

- .STAT
- Semantic web
- AWS Cloud formation
- Kubernetes

Statistical Domains

- Transport
- Trade
- Prices, CPI
- Tourism
- Migration
- Population dynamics
- Information society
- Disaster/displacement
- Climate Change
- Environment
- Agriculture
- SDG indicators
- Privacy protection

Some of the projects of UNCEBD task teams



Using AIS
(Shipping Data)
to provide
faster **economic
indicators**



Producing
**consumer price
indices** using
Scanner data
and
webscraping



Producing **crop
statistics** from
Earth
Observations
and data
pipelines



Producing
**tourism,
migration,
population** and
transport
statistics using
mobile phone
data



Developing
techniques to
**preserve the
privacy** of
sensitive data

Training, the glue and enabler that makes the platform possible (Learning Management System)



Big Data Training Curriculum



E-Learning Courses



Big Data Maturity Matrix



Training of data scientist in academic centers



Big Data Competency Framework



Mentorship



Thank you