UN Global Platform and the Regional Hub for Africa

Ronald Jansen,
Assistant Director,
United Nations Statistics Division

6th International Conference on Big Data for Official Statistics

· **Date :** 31st August (Mon) – 2nd September (Wed), 2020
· **Virtual Conference via :** Seoul, Republic of Korea

UN Global Working Group on Big Data for Official Statistics

Created in 2014 by the UN Statistical Commission

§ Provide a **strategic vision, direction and coordination** for a global programme on big data for official statistics, including for indicators of the 2030 Agenda for Sustainable Development

§ Promote **practical use of big data** sources, finding solutions for the many existing challenges

§ Promote **capacity-building,** training and sharing of experience

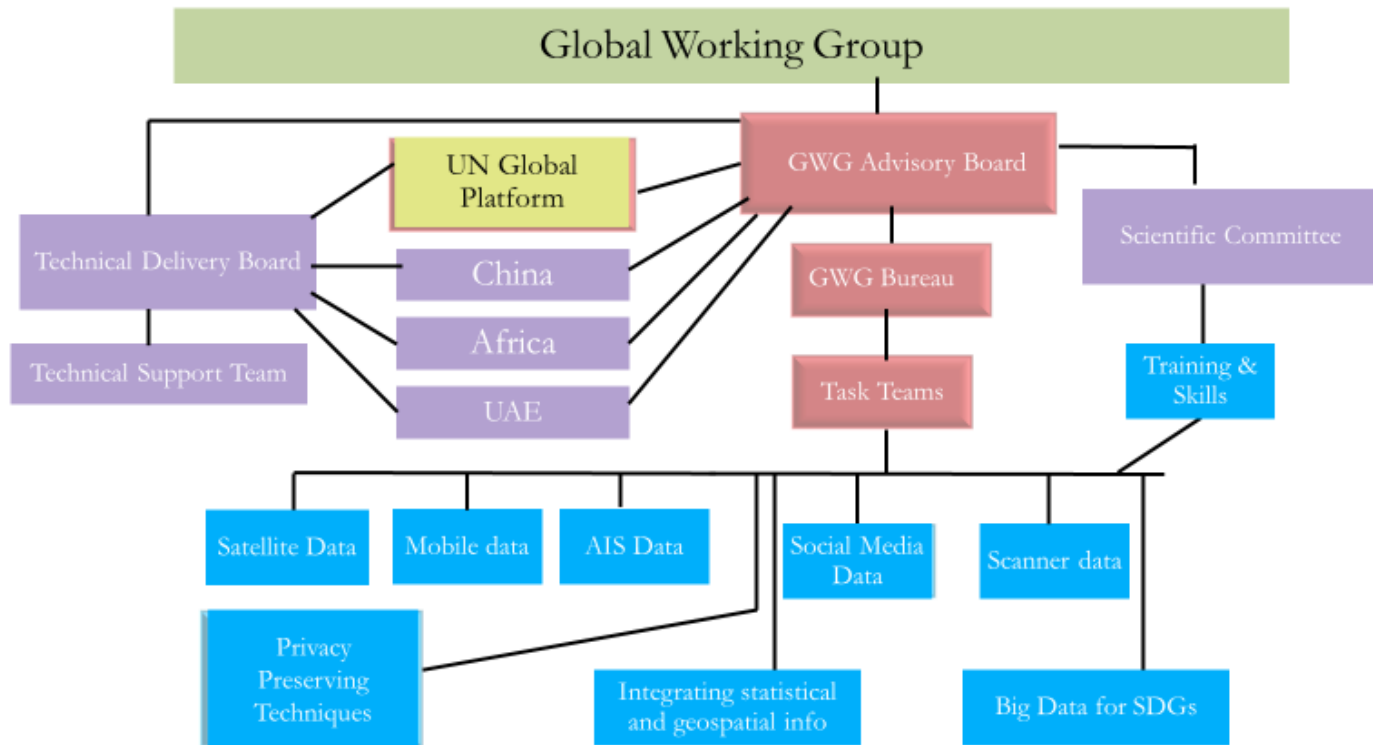§ To **build public trust** in the use of big data for official statistics

Involvement of African members in the work of the GWG

Members of the GWG

- o Cameroon
- o Egypt
- o Morocco
- o Rwanda
- o South Africa
- o Tanzania
- o African Development Bank
- o UNECA

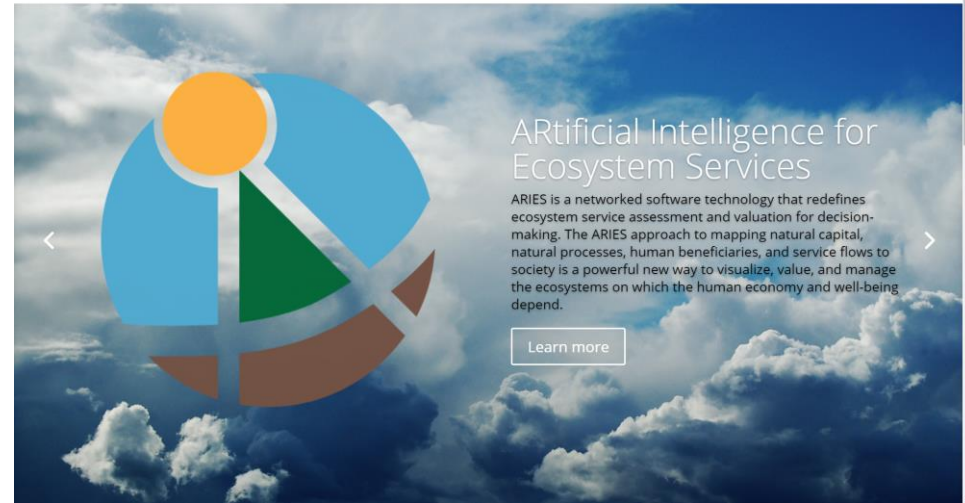2019   5th International Conference on Big Data, Kigali, Rwanda
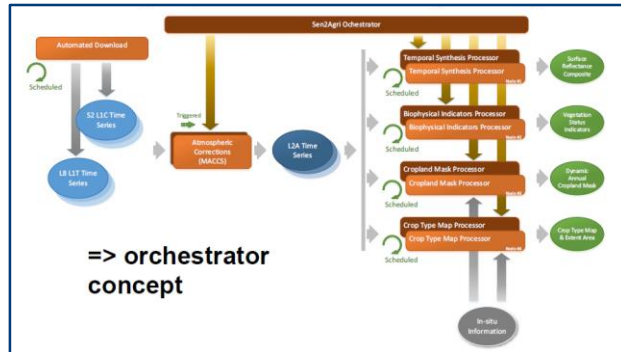
Task Team on Earth Observation data

ARIES

ARtificial Intelligence for Ecosystem Services

ARIES is a networked software technology that redefines ecosystem service assessment and valuation for decision-making. The ARIES approach to mapping natural capital, natural processes, human beneficiaries, and service flows to society is a powerful new way to visualize, value, and manage the ecosystems on which the human economy and well-being depend.

Sen2Agri

=> orchestrator concept

Environmental Economic Accounting

Crop statistics

Task Team on Mobile Phone data

2nd Handbook on specific thematic areas:
- Displacement and disaster
- Dynamic population
- Information Society
- Migration
- Tourism
- Transportation and commuting

Paper on "Maintaining public trust in use of mobile phone data in times of COVID-19"
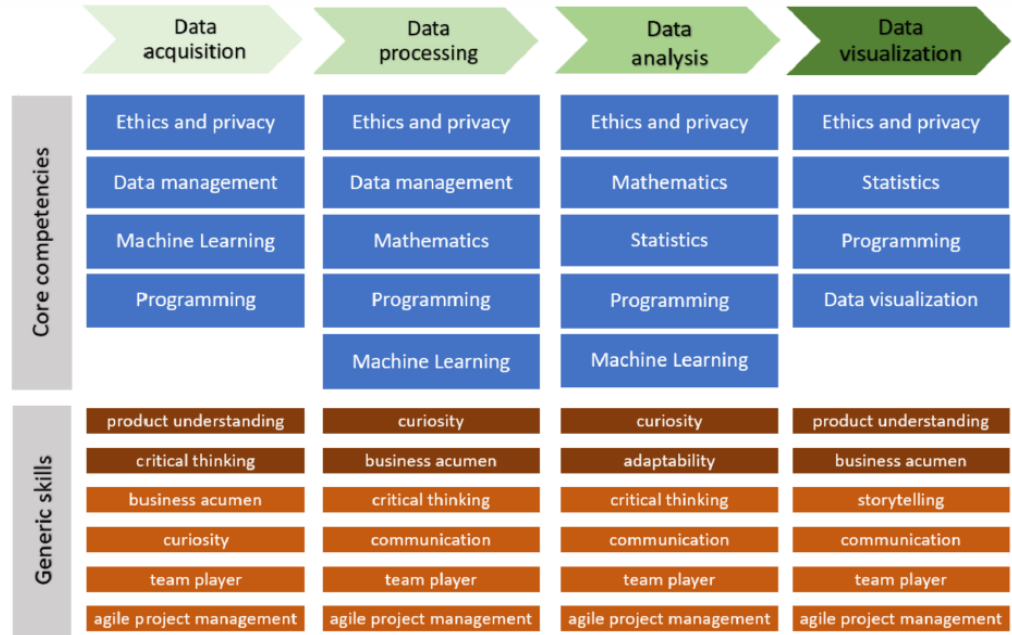
Online training course

FLOWMINDER.ORG

Supporting the government of Ghana with Call Detail Records analytics for COVID-19

31st August, 2020

Tracey Li, Data Scientist
Flowminder Foundation

Task Team on AIS data

o Handbook
o Training materials
o Weekly port calls
o AIS Hackathon
o Online training course
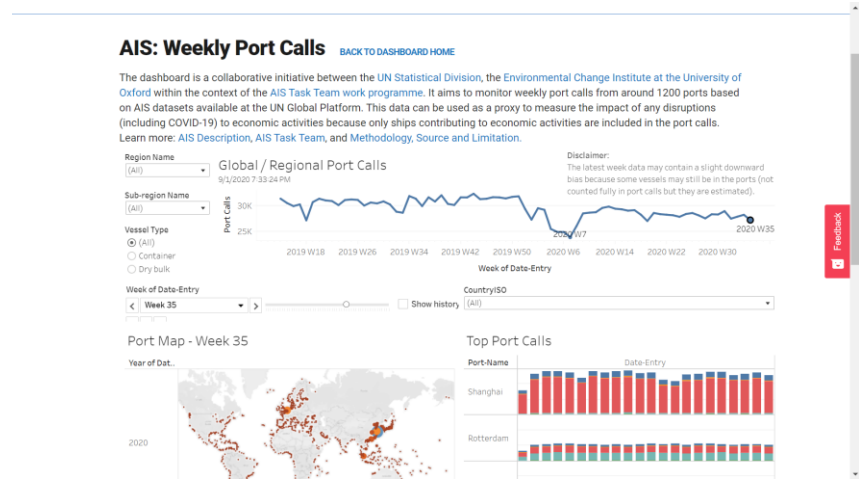
Task Team on Training, Competencies and Capacity Development

o Institutional readiness assessment

o Competency framework

o Maturity Matrix

o Moodle LMS

o Training curriculum

	Data acquisition	Data processing	Data analysis	Data visualization
Core competencies	Ethics and privacy	Ethics and privacy	Ethics and privacy	Ethics and privacy
	Data management	Data management	Mathematics	Statistics
	Machine Learning	Mathematics	Statistics	Programming
	Programming	Programming	Programming	Data visualization
		Machine Learning	Machine Learning	
Generic skills	product understanding	curiosity	curiosity	product understanding
	critical thinking	business acumen	adaptability	business acumen
	business acumen	critical thinking	critical thinking	storytelling
	curiosity	communication	communication	communication
	team player	team player	team player	team player
	agile project management	agile project management	agile project management	agile project management

UN Global Platform and its network of experts

UN Global Platform

Cloud Services			
AWS	Google Cloud	Alibaba	MS Azure

Data			
AIS data	Satellite data	ADS-B data	Scanner data

Services			
Location	Method	Developer	Code (GitLab)

Support Services			
Okta	CloudFlare	Zoho	Google Suite

UN Global
Platform

Value-
Added

AWS

UNGP Team: Data engineering

=> orchestrator
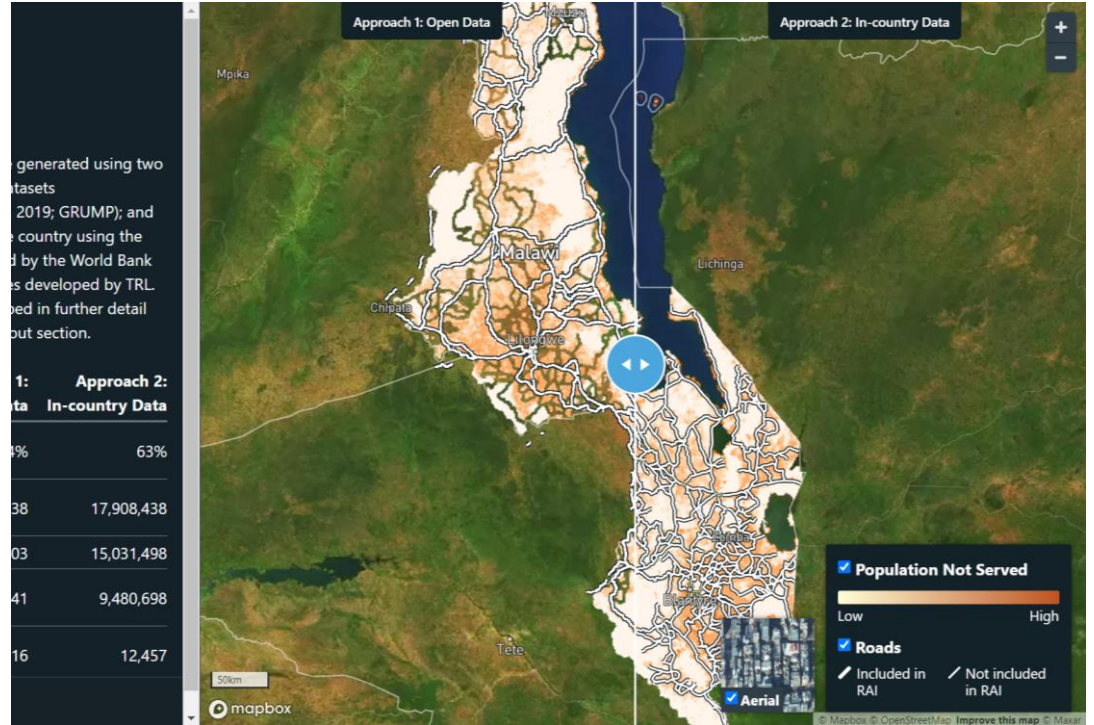concept
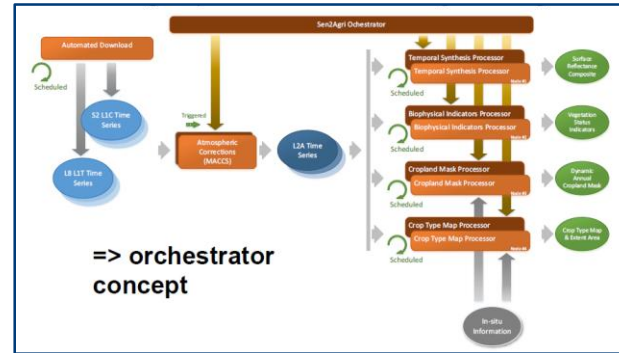
UN Global Platform
User Perspective

Sen2Agri Application Access
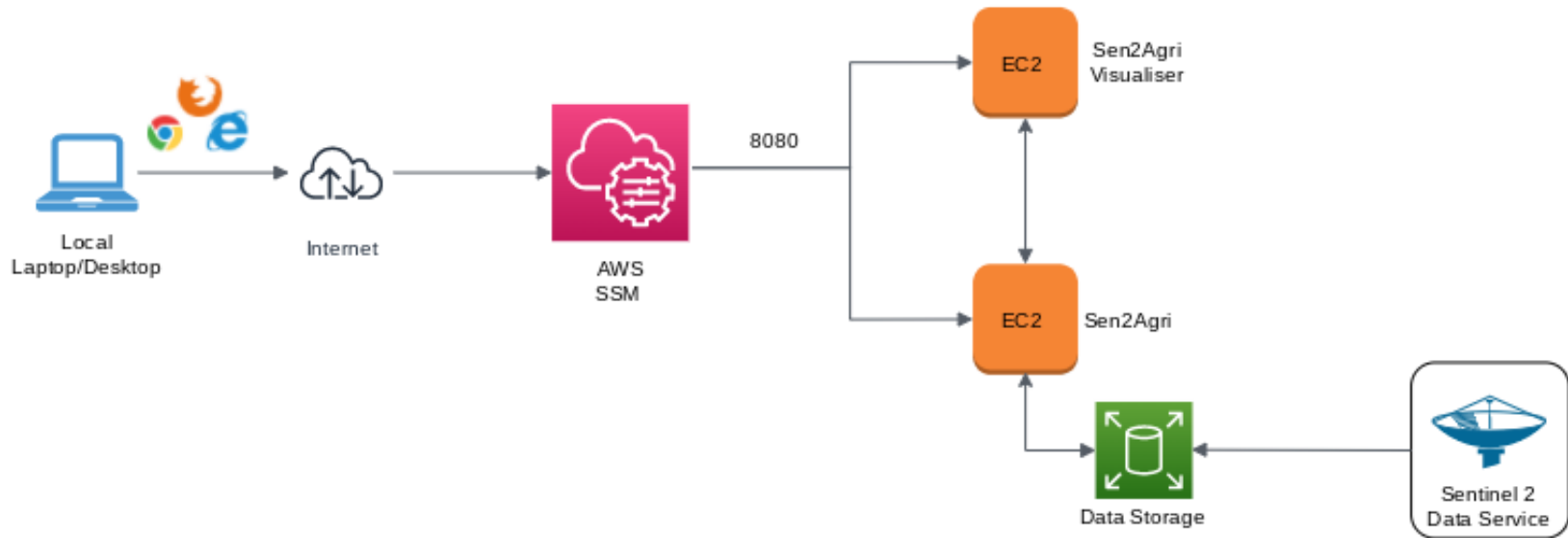
UN Global Platform projects

- Satellite data for Crop statistics: **Senegal, Uganda**

- .Stat for data dissemination: Cambodia, **Ethiopia**

- ARIES for ecosystem services assessment

- RAI for SDG 9.1.1**: Malawi**

- Scanner data for CPI: **Mauritius**

- Mapping of Informal Settlements **Lagos, Nigeria**

Regional Hub for Africa

Collaboration between NISR Rwanda, UNECA and UNSD

Thank You

BigData UN Global Working Group

UN Big Data For Official Statistics

Exploring the use of Big Data for official statistics to meet the expectation of society for enhanced products and improved and more efficient ways of working

NEWS

DOCUMENTS