

# Seminar on Data Science Campus activities in Kigali

Multiple Presenters

## Purpose

Big Data is by definition different from traditional data sources currently used by national statistical systems (NSSs) requiring the development of new methodologies together with upgrading of quality assurance framework, technology, security, privacy and legal matters. This means that new skill sets and competencies are necessary. Some of which could be hired temporarily, others will need to become an integral part of the institution. Data science is one of those new competencies. It is likely that the staffing table of statistical institutions will show quite a few data scientists and data engineers in the near future.

This seminar offers insights into activities at Data Science Campus and their training opportunities. It will consist of lectures, project presentations and hands-on demonstrations.

## Presenters

**Date:** 29 April -1 May 2019

**Venue :** Data Science Campus, Kigali, Rwanda

## Programme

### Day 1 Data Science and Official Statistics

- 9:00 **Welcome**  
Data Science and Official Statistics
- 9:15 **What is the UN Global Platform and how does it work?**  
Presenter: Mark Craddock, ONS, UK
- 11.15 **New paradigm for compiling official statistics**  
Presenters: Prof. Dr. Diego Kuonen (remotely) and Prof. Dr. Bertrand Loison, FSO Switzerland
- Analytics of Things
  - Data Innovation Strategy

### 12.30 Lunch

- 13.30 **Building Capacity at ONS Data Science Campus and beyond**  
Presenter: Tom Smith, ONS, UK, and Ceri Regan, ONS, UK  
See <https://datasciencecampus.ons.gov.uk/capability/>

15.00 Break

15:15 **Mapping the Urban Forest on the Global Platform**

Presenters: Joe Peskett, ONS and Azavea

**AIS Vessel tracking data**

Presenter: Emily Tew, ONS

**Trade Statistics and SDMX on UNGP**

Presenter: Markie Muryawan, UNSD

**ASDB and Turkish Airlines data**

Presenter: Sai Ananthanarayan, ICAO

17.00

Close

Day 2 Earth Observation projects and Capacity development opportunities

9.00

**EO projects on Environment and Agriculture statistics**

**Environment statistics using EO data**

Presenter: Jillian Campbell, UNEP

**Agriculture statistics using EO data**

Presenter: Statistics Poland

**Environment indicators using EO data**

Presenter: Mr. Jean-Pierre Gattera, Esri Rwanda

12.30 Lunch

13.30

**Capacity development opportunities**

**GWG on Big Data for official statistics**

Presenter: Statistics Denmark

**Task Team on Training, Competencies and Capacity Development**

Presenter: Statistics Poland

**NISR Data Science Campus**

Presenter: NISR Rwanda

**African Centre for Statistics**

Presenter: UNECA

**Managing data innovation in African NSOs**

Presenter: Paris21

**Innovation Lab**

Presenter: Mr. Rafik Mahjoubi, African Development Bank

**Consultancy services for Capacity Development**

Presenter: Ibtissam Sahir, GOPA

17.00 Close

Day 3 Human Mobility and other projects

9.00 **Human Mobility and other Data Science projects**

**Estimating Urban Statistics with AI**

Presenter: Martin Gordon Mubangizi, UN Global Pulse, and Bernard Justus Muhwezi, UBOS

**Migration research in Namibia using Mobile Phone data**

Presenter: Mr. Shingjie Lai, Flowminder

**Measuring Human Mobility**

Presenter: UNECA

12.00 **Close of Seminar**