



Organized by the UN Regional Hub for Africa on Data Science and Big Data, in collaboration with the United Nations Food and Agriculture Organization (FAO) and UN Global Hub in China, the "International Webinar on Earth Observations for Agricultural Statistics (EOSTAT): EO Data Cubes, Smart Classification Algorithms, Impacts of Disasters on Crops, and a Live Demo" will take place virtually on Monday, 18th December, from 12:00 to 16:00 (Rome Time), 14:00 -18:00 (EAT).

The webinar will delve into the following pivotal subjects:

- 1) EO Big Data and Statistics: Relevance and Key Aspects
- 2) EO Data Cubes and Time Series Analysis for Enhanced Classification Performance
- 3) Utilization of EO Data Cubes in Mexico to Monitor Agriculture Frontier
- 4) Application of EO Data for Integrated Monitoring of Agricultural Resources and Impacts from Disasters
- 5) Live Demo of EOSTAT Crop Mapper in Senegal

Moderators:

- 1) Therese Uwimana, Director of Data Revolution and Big Data, National Institute of Statistics of Rwanda.
- 2) Issoufou Seidu Sanda, Principal Statistician, African Centre for Statistics, United Nations Economic Commission for Africa

Date and Time: 18th December 2023, 12:00 - 16:00 (Rome Time), 14:00 -18:00 hrs (EAT)

Audience: Young statisticians, StatTalk audience, African NSOs, DGs, Data science and statistical community

AGENDA

Slot	Title	Presenter	Time (minutes)	Discussion
12:00 – 12:10	Welcome Remarks	Regional Hub (Therese/ Issoufou)	10	
12:10 – 12:45	EO Big data and Statistics, relevance, and key aspects	Lorenzo De Simone, FAO	20-25	5-10
12:45 – 13:20	The Use of EO Data for Integrated Monitoring of Agricultural Resources and Disaster Impacts	Prof. GAO Zhi Wuhan University, P.R. China	20-25	5-10
13:20 – 13:55	EO data cubes and time series analysis for enhanced classification performance	Prof Gilberto Camara, INPE	20-25	5-10
Small health break			5	
14:00 – 14:35	Use of EO data cube in Mexico to calibrate an algorithm to obtain the Agriculture Frontier	Eduardo Vazquez, INEGI	20-25	5-10
14:35 – 15:25	Live demo of EOSTAT crop mapper in Senegal	Vivian Ondieki, FAO	35-40	5-10
15:25 – 16:00	General discussion, NSO feedback and expression of interest	Moderator (Therese/Lorenzo)	35	