



SESRIC WEBINAR SERIES ON STATISTICAL EXPERIENCE SHARING



“BIG DATA APPLICATIONS AND UTILISING NON-TRADITIONAL DATA SOURCES AND METHODS FOR OFFICIAL STATISTICS”

10 June 2021 Time: 13:30 – 16:30 (Ankara time – GMT+3)

Background and Objectives

The demand for timely and high-quality data is continuously increasing to support the decision-making processes in a modern society. However, the costs associated to meet this demand and the budgetary pressures that the national statistical systems (NSSs) currently face limit the scope for new surveys. Therefore, making use of new data sources in official statistics is crucial for providing an adequate supply of information and knowledge while increasing the effectiveness of the statistical production processes.

Big data has been recognized as an important part of the data revolution needed to support the monitoring of the United Nations (UN) 2030 Sustainable Development Agenda. Big data, if managed appropriately, has the potential to contribute to improving some aspects of statistical quality, such as timeliness and relevance, without compromising impartiality and methodological soundness.

In parallel with the aforementioned, the need for new and non-traditional data sources has increased, especially during the COVID-19 pandemic, as data are urgently needed by the policymakers to guide them in combating the pandemic and its negative impacts on the whole society. However, when the need for high-quality and timely data is critical during the times of crisis, national statistical offices (NSOs) and other official statistics producing agencies in the NSSs run the risk of facing significant difficulties in conducting their operations either because of the restrictions imposed to address crisis situations (such as limiting face-to-face survey interviews as a consequence of physical distancing measures) or due to lack of appropriate infrastructure.

Given the ever-increasing importance of non-traditional data sources including Big Data in official statistics, the 9th Session of OIC Statistical Commission (OIC-StatCom) held virtually on 28 September–1 October 2020 covered in its agenda “Utilisation of Non-Traditional Data Sources in Official Statistics” which focused on international statistical platforms working on Big Data and experiences of the OIC-StatCom members on the benefits and challenges of using non-traditional data sources and Big Data for official statistics and SDGs indicators.

Against this background and based on the feedback received during the Follow-Up Meeting of the OIC-StatCom organised virtually on 25 February 2021 as a side event of the 52nd Session of UN Statistical Commission, SESRIC will organise a webinar on “Big Data Applications and Utilising Non-Traditional Data Sources and Methods for Official Statistics” with the participation of relevant international organisation and NSOs of OIC countries with an objective to share their experiences in development and/or use of big data applications and utilising non-traditional data sources and methods for official statistics.

EVENT DETAILS

	STARTS AT	10 June 2021 13:30
	ENDS AT	10 June 2021 16:30
	PLATFORM	ZOOM
	ORGANISER	SESRIC
	PRESENTERS	Indonesia, Jordan, Malaysia, Oman, Saudi Arabia, Turkey, UNESCWA
	LANGUAGE	ENGLISH



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This webinar will cover the following topics:

- Opportunities and challenges of using non-traditional data sources, particularly big data, for official statistics; and
- Concrete big data applications of the OIC countries including the use of non-traditional data sources and methods such as satellite imagery data, mobile phone data, scanner data, Automated Identification System (AIS) vessel tracking data, earth observation data, machine learning, etc. Presenting countries can also briefly demonstrate the use of their relevant application(s) to the audience during the Webinar.

Format

- Around 3 hours of webinar via Zoom with presentations.
- The webinar will be conducted in **English** only.
- Q&A session at the end of each presentation.
- The webinar will be open also to all other NSOs of OIC member countries interested in the subject.

Work Programme

13:30 – 13:40	Introduction and Agenda Setting <i>Dr. Atilla KARAMAN</i> <i>Director, Statistics and Information Department, SESRIC</i>
13:40 – 16:25	Experiences in Big Data Applications and Utilising Non-Traditional Data Sources and Methods for Official Statistics <ul style="list-style-type: none">• <i>Experience of Indonesia in Developing Big Data for Official Statistics: Mr. Setia PRAMANA, BPS-Statistics Indonesia</i>• <i>ESCWA’s Contribution to Regional Geospatial Data For SDGs-Environment Indicators and Disaster Risk Management: Dr. Wafa Aboul HOSN, UNESCWA</i>• <i>Leveraging Big Data and Non-traditional Data for Policy Effectiveness Evaluation during COVID-19 Pandemic: Mrs. Ahlam AL ROUSAN, Department of Statistics of Jordan</i>• <i>Price Intelligence (PI) - Data Gathering by Utilizing Web Crawling: Ms. Mazliana MUSTAPA, Department of Statistics of Malaysia</i>• <i>Oman’s Experience in Utilizing Mobile Positioning Data for Official Statistics: Mr. Ahmed AL MUFARJI, National Center for Statistics and Information of Oman</i>• <i>Using Employment Data and Comparing it with Unemployment in Various Indicators: Mr. Mohammed BUHLIAGAH, General Authority for Statistics of Saudi Arabia</i>• <i>Big Data Applications in TurkStat: Mr. Abdulcebar ON and Mr. Halil ZEYBEK, Turkish Statistical Institute</i>• <i>Big Data for Public Policy and Decision Making: Dr. Juraj RIECAN, UNESCWA</i>• <i>Collecting Price Data through Web Scraping: Mr. Majed SKAINI, UNESCWA</i>
16:25 – 16:30	Closing Remarks by SESRIC

* All times are indicated in Ankara, Turkey time. For time difference information, please refer to:
https://time.is/compare/1330_10_Jun_2021_in_Ankara