



INTERNATIONAL CONFERENCE ON BiG DATA

*“Global Challenges
and the Importance of
Relevant and Timely
Data”*

7th International Conference on Big Data and Data Science for Official Statistics
Yogyakarta, Indonesia, 7 - 11 November 2022

Tentative program

Opening day – 7 November 2022

Coffee and Registration: 08:00 – 09:00

Time	Session	Speaker / Panelist
9:00 – 09:45	Opening Ceremony (order to be discussed)	<ul style="list-style-type: none">– Master of Ceremony (Indonesia)– HE Sri Sultan Hamengkubuwono X (Governor of Yogyakarta)– High-level Video statements<ul style="list-style-type: none">○ Ms. Amina Mohamed, Deputy Secretary-General○ Ms. Armida Salsiah Alisjahbana, Under Secretary-General and Executive Secretary of UNESCAP– Ms. Anjali Sen, (Country Director UNFPA in Indonesia)– Mr. Ashwell Jenneker, Deputy Statistician General, South Africa and Acting Chair of UNCEBD– Mr. Margo Yuwono (Chief Statistician of Indonesia)
09:45 – 10:15	Opening speech	HE Johnny Plate (Minister of Communication and Information Technology)
10:15 – 10:30	Coffee break	

First High-level Panel “Sustainability and the global economic recovery”		
10:30 – 10:35	Introduction	Mr. Navid Hanif , UN Assistant Secretary-General for Economic Development (by recorded statement)
10:35 – 11:00	Keynote	Dr. Hamza Ali Malik , Director Macroeconomic Policy and Financing for Development Division, UNESCAP
11:00 – 12:15	Moderator – Ms. Rachael Beaven , Director of Statistics Division, UNESCAP Prominent panelists <ul style="list-style-type: none"> – Dr. Amalia Adininggar Widyasanti, Deputy Minister for Economy, Ministry of National Development Planning – Dr. Hamza Ali Malik, Director Macroeconomic Policy and Financing for Development Division, UNESCAP – Dr. Dean Affandi, WRI Indonesia, Senior Manager of Research, Data and Innovation – Mr. Stefano Balbi, Bilbao Center for Climate Change and the Sector Hub on ARIES for SEEA 	
12:15 – 14:00	Lunch break	
Second High-level Panel “Food security”		
14:00 – 14:20	Keynote	Dr. Carlo Cafiero , Senior Statistician and Economist, FAO
14:20 – 15:00	Moderator – Dr. Ronald Jansen , Assistant Director, UN Statistics Division Panelists <ul style="list-style-type: none"> – Dr. Budi Waryanto, Director of food availability and stability, National Food Agency (Bapanas) – Prof. Dr. Ir. Drajat Martianto, Vice Rector of IPB University – Dr. Carlo Cafiero, Senior Statistician and Economist, FAO – (tbc) 	
15:00 – 15:15	Break	
Third High-level Panel “Access to Relevant Data”		
15:15 – 15:35	Keynote	Prof. Dr. Bertrand Loison , Statistics Switzerland
15:35 – 16:15	Moderator – Mr. Matjaz Jug , Statistics Netherlands Panelists <ul style="list-style-type: none"> – Mr. Alfian Manullang, Telkomsel, Indonesia – Prof. Dr. Setia Pramana, STIS/BPS Indonesia – Ms. Shorena Tsiklauri, Head of Population Census and Demographic Statistics, Geostat Georgia 	
16:15 – 16:55	Moderator – Mr. Matjaz Jug , Statistics Netherlands Panelists <ul style="list-style-type: none"> – Dr. Veronika Vilgis, Dataprovider.com, Netherlands – Mr. Jack Fitzsimons, CTO, Oblivious.ai, Ireland – Mr. Federico Sanson, Senior Data Scientist, UNHCR 	
16:55 – 17:00	Closing remarks	Chair of the UNCEBD Mr. Ashwell Jenneker

Coffee and Registration: 08:00 – 09:00

Time	Session	Speaker / Panelist
UN Committee of Experts on Big Data and Data Science for Official Statistics Open Plenary Meeting <i>10 years of data innovation: what is the next normal?</i>		
8:30 – 12:00	Chaired by Mr. Ashwell Jenneker, Deputy Statistician General, South Africa Agenda: 08:35 Item 1. For Information - Overview of achievements and plans of the Task Teams 08:50 Item 2. For Information - Overview of achievements and plans of the Regional and Sector Hubs 09:05 Item 3. For Information - Overview of achievements and plans of the UN Global Platform 09:15 Item 4. For Discussion – Structural and systematic collaboration between the Task Teams and the Regional and Sector Hubs 09:45 Item 5. For Discussion – Joint program of work of UNCEBD with Geospatial community 10:15 Coffee break 10:30 Item 6. For Discussion – Terms of Reference of the Data Science Leaders Network 11:00 Item 7. For Discussion – Data Access and the UN PET Lab 11:30 Item 8. For Discussion – Yogyakarta declaration “the importance of relevant and timely data for urgent policy interventions” and report to the Statistical Commission 11:55 Item 9. Any Other Business	
12:15 – 12:30	Group Photo	
12:30 – 13:30	Lunch break	
13:30 – 14:00	2022 UN Big Data Hackathon and UN PET Lab competition Introduction by Hackathon organizers (around the world) <ul style="list-style-type: none"> UN Youth Group, UNSD, Oblivious.ai, Brazil, FCSC/UAE (by video), UNCEBD and Indonesia At 14:00 – Official “start” by Gong	
Plenary sessions		

14:00 – 15:00	<p>Panel 1(a) – Capacity Development and Regional Hubs</p> <ol style="list-style-type: none"> 1. Learn and promote what the Hubs are doing within their regions in terms of capability building; 2. Enable knowledge exchange between the Hubs and NSOs in the room; 3. Inform the Task Team on Training of the work taking place and the approaches being followed; and 4. Invite the audience to participate and impart knowledge via questions and suggestions. 		
15:00 – 16:00	<p>Panel 1(b) – Big Data and SDGs</p> <p>Moderator: Mr. Maciej Truszczynski, Statistics Denmark</p> <p>Panellists:</p> <ul style="list-style-type: none"> - Ms. Rachael Beaven, Director, Statistics Division, United Nations Economic and Social Commission for Asia and the Pacific - Mr. Harmawanti Marhaeni, Director of Social Resilience Statistics, Statistics Indonesia - Mr. Christophe Bontemps, data science lecturer at Statistical Institute for Asia and the Pacific 		
16:00 – 17:00	<p>Panel 1(c) – Mobile Phone Data for official statistics</p> <p>This session will include panel interventions addressing questions on how to accelerate the use of MPD for official statistics in developing countries. It will include panellists representing NSOs who had successfully implemented an MPD pilot to share their experiences, as well as representatives from academia and private organization to address technical and methodologies issues. It will also include a representative from the ICT ministry and mobile operator to who will cover the data access perspective.</p>		
17:00 – 18:00	<p>Panel 1(d) – Data Access & Data Science – Barteld Braaksma</p> <p>Central question of this session is ‘If we obtain data from ‘outside’, how much information/influence/control do we need on (pre)processing in order to make sure that we understand its quality and can explain how we compile our statistics?’</p> <p>Format: every panelist gets a few minutes for introduction, then a moderated discussion and interaction with the audience.</p> <p>Daniel Hopper (ADB)</p>		
17:00 – 17:05	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; background-color: #d9ead3;">Closing remarks</td> <td style="width: 50%; background-color: #d9ead3;">Dr. Ronald Jansen, Assistant Director, UN Statistics Division</td> </tr> </table>	Closing remarks	Dr. Ronald Jansen , Assistant Director, UN Statistics Division
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Workshops Day 3 – Day 5

Day	Session	Class/Room A	Class/ Room B	Class/ Room C
Nov 9	09:00 – 12:00	PET Lab Overview of the use of several PET techniques, which could be use during the PET Lab Hackathon Competition	AIS Data (part 1) - Introduction to the AIS Task Team and the work programme (presentation) - What is AIS and using UNGP AIS (hands-on) - Optimizing AIS data extraction (hands-on)	Hackathon
	13:30 – 16:30	EO Data (part 1) Standardization of EO Methods; ML approaches for Land cover mapping given in-situ data scarcity; demo on Digital Earth Africa;	AIS Data (part 2) - New CSO Ireland frontier indicators based on AIS data (presentation and demo) - Identification of ports/berth using ML (presentation and demo) - Discussion on potential use cases using AIS data (round table)	Hackathon
Nov 10	09:00 – 12:00	EO Data (part 2) 50 X 2030 initiative and in-situ data requirements. Best practices in geo-referencing; Building geospatial data science training courses based on user profiles; Geospatial data sharing using UNGP: present solutions and future directions.	Data Access and ML (Part 1) 1. Examples of the use of online (website) data for statistical purposes such as the impact of the digital economy and e-commerce, analysis of online job advertisements, online signals of COVID effects. 2. browse and explore the database and search engine of dataprovider.com, consisting of half a billion websites in more than fifty countries – hands-on	Hackathon
	13:30 – 16:30	MPD Data (part 1) Introduction and Launch of the Guidelines on use of MPD data for: Dynamic Population and census; Tourism: Migration: Information Society; Displacement & Disaster; Transport	ML (part 2) Overview of use of Machine Learning in NSOs	Hackathon

Nov 11	09:00 – 11:45	MPD Data (part 2) How to implement an MPD pilot in 9 steps, Collaboration with Regional Hubs Break-out groups on use of MPD in developing countries	ML (part 3) Hands-on examples of use cases with Machine Learning in NSOs	Hackathon
Nov 11	11:45 – 12:00	Closing Ceremony		