Conference Program

Monday, 10 June 2024 – Afternoon – Opening session

Registration: 12:30 – 14:00

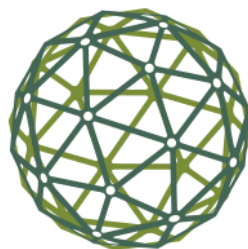| Time	Session	Speaker / Panelist
14:00 – 14:55	Opening Ceremony	Master of Ceremony: **Ms. Cristina Monge** • **Mr. Ashwell Jenneker**, Chair of the UN Committee of Experts on Big Data and Data Science for Official Statistics • Video statement of **Mr. Li Junhua**, USG of UN Department of Economic and Social Affairs • **Ms. Kazumi Ogawa**, Head of Europe Regional Programmes, UN-Habitat • **Ms. Maria José Sanz**, Scientific Director, Basque Centre for Climate Change • **Ms. Elena Manzanera**, President of INE Spain • High-level representative of Basque country • High-level representative of Spanish government

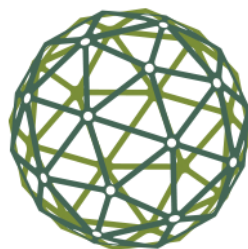|	**First High-level Panel** **"Climate Change and Biodiversity"**
14:55 – 15:50	Keynote speech by **Mr. Mark Wilkinson**, Centro de Biotecnología y Genómica de Plantas UPM, Spain
	Panel discussion – Moderator: **Ms. Maria José Sanz**, Basque Center for Climate Change • **Ms. Maria José Rallo**, President of AEMET, Spain • **Ms. Maria Jesus Rodrigues de Sancho**, Director-General for Biodiversity, Forests and Desertification, Spain • **Mr. Sebastian Treyer,** Executive Director of IDDRI, France • **Ms. Alessandra Alfieri**, Assistant Director, Statistics Department, IMF
15:50 – 16:05	Break
	Second High-level Panel **"Sustainability of Tourism"**
16:05 – 17:00	Keynote speech by **Ms. Elena Manzanera**, President, National Statistics Institute (INE), Spain
	Panel discussion – Moderator: **Ms. Clara Van der Pol**, Acting Chief Statistician, UN Tourism • **Ms. Apolonija Oblak**, Director General, National Statistical Office, Slovenia • **Mr. Imam Machdi**, Deputy National Statistician, BPS Statistics Indonesia • **Ms. Katherine Lindeskov Johansen**, Chief Consultant, Centre for Regional and Tourism Research, Denmark • **Mr. Julio López Astor**, Deputy Director General, Sub-directorate General for Tourism Knowledge and Studies, Tourism Institute of Spain (TURESPAÑA)

	Third High-level Panel **"Knowledge commons for Global Sustainability Challenges"**
17:00 – 17:55	Video message of **Mr. Amandeep Singh Gill**, UN Secretary General's Envoy on Technology
	Panel discussion – Moderator: **Mr. Ronald Jansen**, Assistant Director, UN Statistics Division • **Ms. Haishan Fu**, Development Data Group, World Bank • **Mr. R. V. Guha**, Data Commons, Google.org • **Mr. Ferdinando Villa**, Basque Center for Climate Change • **Mr. Osama Rahman**, Data Science Campus, Office for National Statistics, United Kingdom
17:55 – 18:00	Closing remarks

8th International Conference on **BIG DATA** & Data Science for Official Statistics
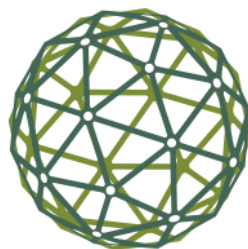
BILBAO 2024

Informing Climate Change and Sustainable Development Policies with Integrated Data

BILBAO. SPAIN | 10-14 JUNE 2024 | #UNBigData2024

| Tuesday, 11 June 2024 - Morning			
Time	**Room 1**	**Room 2**	**Room 3**
9:00 – 12:15 (Break 10:30)	Informing **Climate Change** policies for the Caribbean and Latin America using AI and data innovation • Overview – ECLAC • Project of the IDB / Brazil Hub • Caribbean policy priorities and data needs • DATAS and other projects for Caribbean SIDS • Addressing the data demands of Caribbean (panel discussion)	Monitoring **Sustainability of Tourism** and human mobility with innovative methods - *How to put mobile phone data (MPD) to work for policy, statistics and sustainability.* • Overview – ITU • Opportunities for NSOs (INE Spain) • Preparing the ground: Role of national stakeholders (panel discussion) • Other Applications of MPD • Enablers and Safeguards	**Knowledge common**s for Global Sustainability Challenges Part I: Data Interoperability and Data Spaces • Caliper • European Data Spaces • Spanish Green Data Space • Google Data Commons Part II: Leveraging knowledge commons in the global statistical community • UN Global Platform • UN Data Commons • ARIES for SEEA • Panel Discussion

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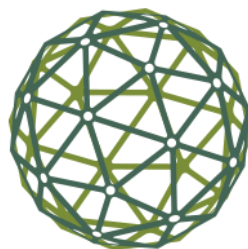| Tuesday, 11 June 2024 - Afternoon			
Time	**Room 1**	**Room 2**	**Room 3**
14:00 – 17:00 (Break 15:30)	How can the **UN Regional and Global Hubs on Big Data and Data Science** support climate change, biodiversity, and sustainable tourism? Part I – Global Hubs and UN Global Platform • ARIES for SEEA • UN China Hub • IMF Big Data Hub • UN Global Platform Part II – Regional Hubs on Big Data and Data Science • Brazil • Indonesia • Rwanda • UAE	**Quality of Life session and Demos on use of AIS data for Maritime Transport** Part I – Quality of Life • Introduction • Feedback from weekend workshop • Country experience Part II – Demos on use of AIS data for Maritime Transport • IMF's PortWatch • Statistics Canada • Statistics Poland	**Use of Mobile Phone Data (MPD) and Privacy Enhancing Technologies (PET)** Part I – Live demonstrations and code walkthroughs of ITU MPD Python codes • Generation of synthetic data • Cleaning raw data • Quality assurance • Home location • Indicator generation Part II – Demonstrations of PETs • Introduction • Using PySyft for privacy protected data sharing among offices • Country experience
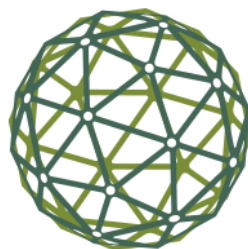
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	Wednesday, 12 June 2024 - Morning		
Time	**Room 1**	**Room 2**	**Room 3**
9:00 – 12:15 (Break 10:30)	Measuring Resilience: Big Data Approaches to **Climate Change** Risk Assessment Part I - Setting the scene presentation (IMF) • Panel discussion Part II - Measurement framework and applications • Statistical framework • ARIES application • Panel discussion	Informing **Biodiversity** policies through use of big data, remote sensing and citizen science Part I - Information needs for biodiversity • Global Biodiversity Framework • SEEA and data demands • Panel discussion Part II - Big data, remote sensing and citizen science for biodiversity, potential and challenges • EO for biodiversity • Data generated by Indigenous People • Panel discussion	**Data Science and SDG Localization** Part I – SDG Localization • Overview presentation – UN-Habitat • CEPALSTAT and the integration of statistics and geospatial information • Panel discussion Part II – SDG Localization – use cases • SDG Localization – use cases in Basque country • SDG Localization – national use cases Part II – SDG Localization and Data Science • Panel discussion

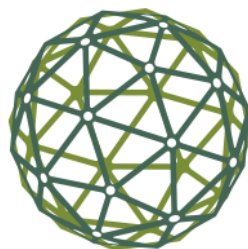| Wednesday, 12 June 2024 - Afternoon			
Time	**Room 1**	**Room 2**	**Room 3**
14:00 – 15:00	Presentation: IPCC (Sandro Federici) *Demo on anthropogenic GHG emissions and removals* • The IPCC Inventory Software to produce national statistics on anthropogenic GHG emissions and removals and its use for reporting to the UNFCCC under the Paris Agreement	Demo: UNDP *Demo on data platform on Human Climate Horizons* • A data platform, Human Climate Horizons with several indicators, including impacts of temperature change on health, energy use and labor, as well as data on sea level rise and its associated threats to coastal communities.	Demo: INEGI / INE Chile *Demo on Integrating geospatial information for effective forest fire prevention* • Combining satellite data, high-resolution imagery, and geographic information systems (GIS), patterns in terrain conditions, vegetation, and climate. • Integration of geospatial data plays a pivotal role in forest fire prevention by providing a robust platform for gathering, analyzing, and visualizing key information.
Wednesday, 12 June 2024 - Afternoon			
Social program			
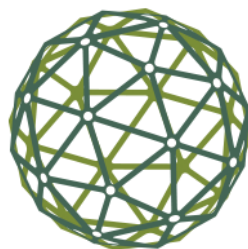
Thursday, 13 June 2024 - Morning			
Time	**Room 1**	**Room 2**	**Room 3**
9:00 – 12:00 (Break 10:30)	**Climate Change and Health** Part I – Climate Change, Health and Vulnerable Groups • Overview presentation – WHO • UK project on Climate and Health • Migrants and Health • Climate change and gender inequality Part II – Climate Change, Health and Risk and new ways of measuring it • Children at Risk through Climate Change (UNICEF) • Country experience • Panel discussion	**Data Science and Transport** Part I - Overview of Data Science and Transport Statistics • Takeaways from Greening Transport Summit – ITF/OECD • Recent transport data in UK and Canada • UN Global Platform and AIS data Part II – Maritime Transport sector • Global model of maritime transport (DfT, UK) • IMF PortWatch • Statistics Poland • Panel discussion on global collaboration on maritime transport applications	**Using geospatial information, big data and global datasets to develop ecosystem extent maps** Part I - Developing ecosystem maps • Framing presentation • Global ecosystem typology • Panel discussion Part II - Modelling of ecosystem services • Framing presentation • Global indicator on ecosystem services • Panel discussion Part III - Ensuring the data, maps and models are interoperable and useful for ecosystem accounting and reporting under the GBF indicators • Framing presentation • Panel discussion
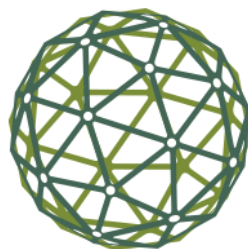
	Closing Session (Plenary)	
Time	**Session**	**Speaker / Panelist**
12:00 – 13:00	Closing Ceremony	**Moderator: Mr. Ashwell Jenneker, Chair of the UN Committee of Experts on Big Data and Data Science for Official Statistics** Panel members: • **Ms. Maria José Sanz**, Scientific Director, Basque Centre for Climate Change • **Mr. Osama Rahman**, Director, Data Science Campus, ONS, UK • **Ms. Andrea Silva**, Lead of the Regional Hub of Brazil • **Mr. Imam Machdi,** Deputy Chief Statistician, BPS Indonesia • **Mr. Mohammad Hasan**, Executive Director, FCSC, UAE Statistical Office • **Mr. Gogita Todradze,** Executive Director, Geostat, Georgia Statistical Office • **Mr. Ronald Jansen**, Assistant Director, UN Statistics Division

Workshop Program

	Thursday, 13 June 2024 - Afternoon		
Time	**Room A**	**Room B**	**Room C**
14:00 – 17:00 (Break 15:30)	**Collaboration among the Regional and Global Hubs** Part I – Scoping the areas of collaboration. • How do the Hubs use/access the UN Global Platform or use own platform? • How do the Regional Hubs work with the Global Hubs? • Can Regional Hubs specialize and support other Hubs? • How do the Task Teams work with the Hubs?	**ARIES for SEEA** Part I – Introduction • ARIES • SEEA Ecosystem Accounting • ARIES for SEEA Part II – Ecosystem extent accounts • Introduction • Compilation of ecosystem extent accounts • Practical exercise	**Use of Mobile Phone Data** *Putting MPD to Work - Theory, Tools, and Tactics* Part I - Introduction • MPD for Statistics • Operator experience • Synthetic data • Addressing MPD bias • Project Management Course • Wrap-up

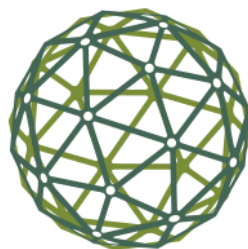# 8th International Conference on BIG DATA & Data Science for Official Statistics

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	Friday, 14 June 2024 - All day		
Time	**Room A**	**Room B**	**Room C**
09:00 – 17:00 (Breaks at 10:30, 12:15 and 15:30)	**Collaboration among the Regional and Global Hubs** Part II – Actions on collaboration. • Communication/outreach - how are Hubs doing this? • Also look at challenges identified • Identify solutions for all Hubs • Action planning Part III – UN Products and Tools. • UN Maturity Matrix Assessment - hands on • UN Big Data Catalogue	**ARIES for SEEA** Part III – Ecosystem condition accounts • Introduction • Compilation of ecosystem condition accounts • Practical exercise Part IV – Ecosystem services modelling • Introduction • Ecosystem services modelling using ARIES for SEEA • Practical exercise Part V – Wrap up • Practical steps on how to get started with ARIES for SEEA	**Use of Mobile Phone Data** *Putting MPD to Work - Theory, Tools, and Tactics* Part III – Theory of Change • Introduction • Theory of Change • Practical exercise Part IV – Maturity assessment • Introduction • Practical exercise Part IV – Implementing MPD for policy • Roadmap for an MPD project • Global Data Facility • Round table • Way forward