



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**

 **UN Big Data** Regional Hub
in Brazil

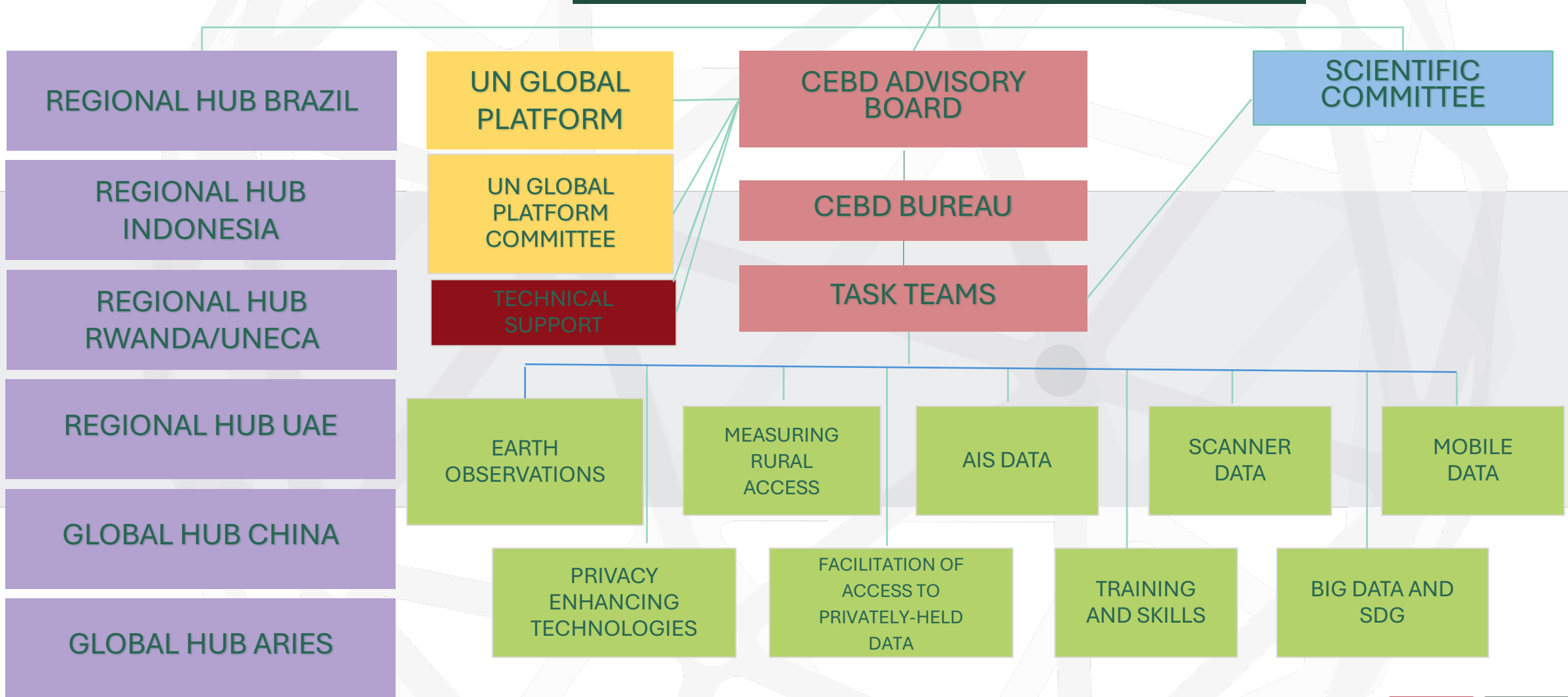
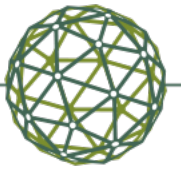


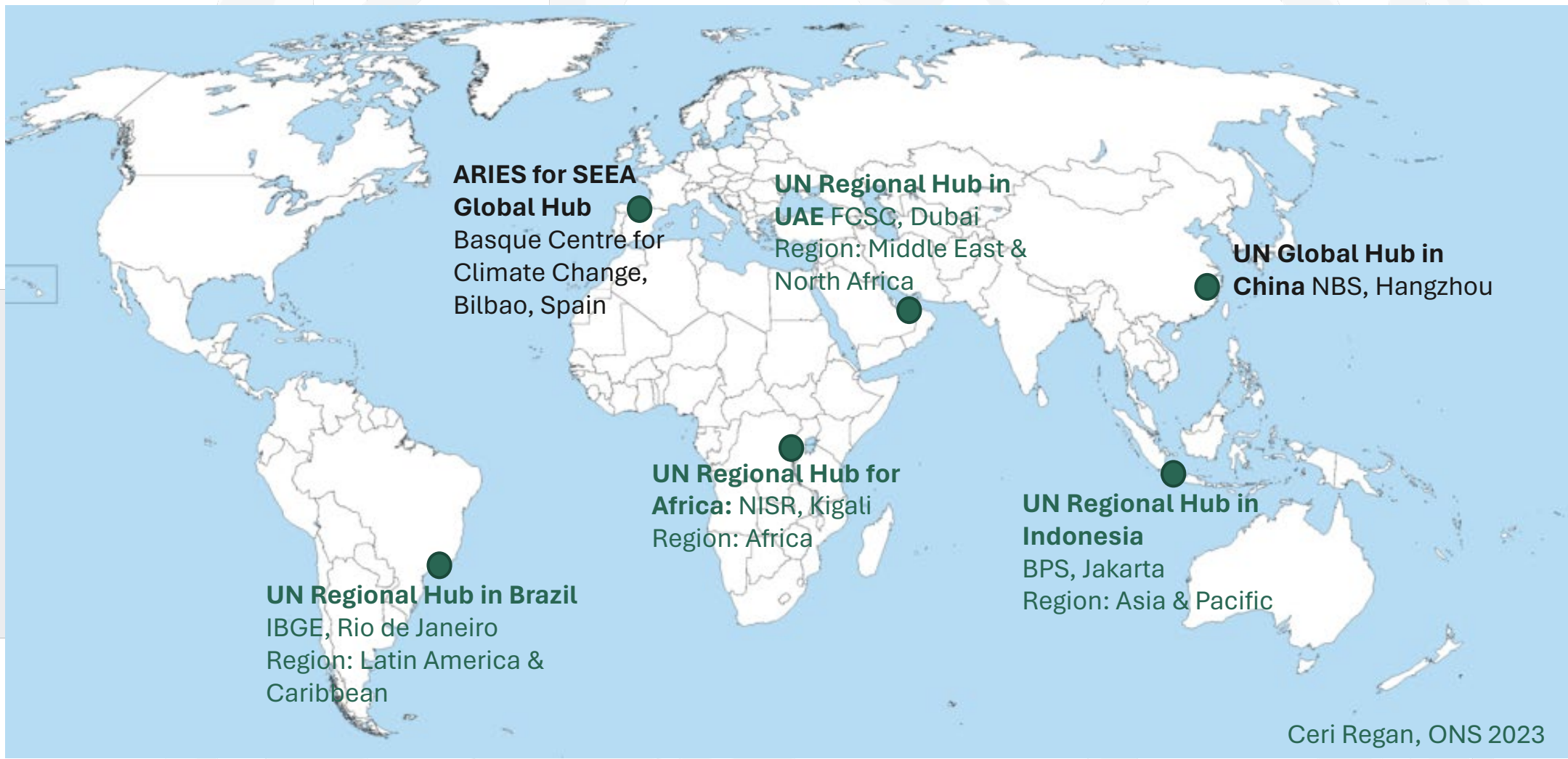
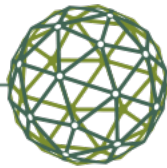
Regional Hub in Brazil: Three years building capacity for the use of big data

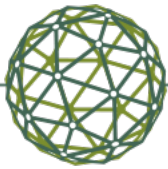
Andrea Diniz da Silva



UN COMMITTEE OF EXPERTS ON BIG DATA AND DATA SCIENCE FOR OFFICIAL STATISTICS







V Workshop

Plataforma ARIES (Inteligência Artificial)

Plataforma ARIES (Artificial Intelligence)

Plataforma ARIES (Inteligencia Artificial para)

IIN Big Data Regional Hub

Data: 24, 26 e 28 de junho, das

Date: June 24, 26 and 28 from 9:30 to 11:30 (GMT -3) | Fe

Local: Plataforma Zoom | L

Idioma do Workshop: Espanhol • Workshop Language



América Latina y El Caribe

ación de Estadísticas

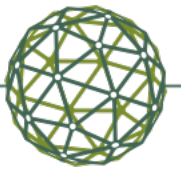


UN Big Data Regional Hub in Brazil

11:00 am UTC-3

#FestivalDeDatos
#Data4SDGs

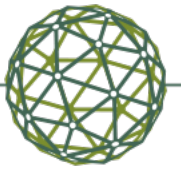
FESTIVAL DE DATOS



Workshop Series on the Use of Big Data for Official Statistics

- 1st and 2nd Workshops: web scraping for IPC: tools and methods
- 3rd and 4th Workshops: using satellite imagery for SDG indicators (11.7.1)
- 5th and 6th Workshops: ARIES (Artificial Intelligence for Environment and Sustainability) for mitigation and adaptation to climate change indicators + Global Set of Climate Change Statistics and Indicators

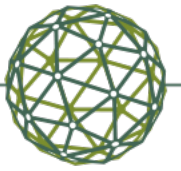
Available at <https://hub.ibge.gov.br/videos.htm>



Webinars, Conferences and Datathon

- Conference : Using BD and ML for Land Cover and Use
- Webinar Series:
 - 1. Using MPD (Migration, Tourism, Population, Disasters, Information society, Transportation, Commuting etc.)
 - 2. Road to Festival de Datos in Punta del Este
 - 3. New Developments in the Use of Alternative Data
- Special Topic Webinars: developments from the UNCEBD Task Teams and partners
- Datathon + Sattelite event in Rio
- UN Big Data Conferences, Festival de Datos, World Data Forum etc.

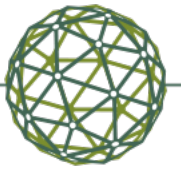
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Research Projects

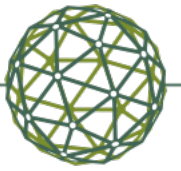
- Informal settlements: satellite imagery
- Demand of solid waste service: satellite imagery
- Privacy-enhancing technologies (PET)
- E-commerce: web scraping
- Literature review on the use of big data

All projects open to undergrad and grad students

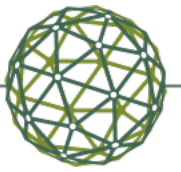


Other Activities

- International Consultation on the Use of Big Data in Latin America and the Caribbean: 22 countries responded
 - In depth interviews to better understand what is going on
- Partnership with ONS/DSC Accelerator Programme
- Participation in the Task Teams
- Participation in the Expert Group on the Integration of Statistical and Geospatial Information (EG-ISGI)

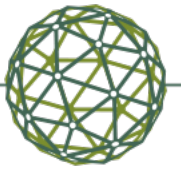


Supporting Climate Change Statistics



1. Environmental and climate change indicators: a common approach using innovative methods and alternative data sources

- Three-year project Supported by the Inter-American Development Bank
- Mitigation and adaptation to climate change indicators using open data + AI
- 11 countries: Argentina, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Mexico, Paraguay, Peru and Uruguay
- Deliverables: AI method, application, guide, training material

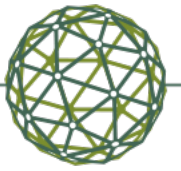


2. Workshops

- V Workshop on the Use of Big Data for Official Statistics: ARIES (Artificial Intelligence for Environment and Sustainability) for mitigation and adaptation to climate change
- VI Workshop on the Use of Big Data for Official Statistics: Global Set of Climate Change Statistics and Indicators

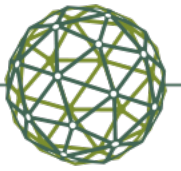
3. Webinar series

- Regional experiences
- International experiences



What is next? Work programme for 2024-2025

- VII and VIII Workshops (PET?)
- Webinar series: climate change indicators: Regional experiences and International experiences
- Special Topic Webinars: developments from the UNCEBD Task Teams and partners
- Research: PET and MPD for commuting (real data)
- Forth Consultation
- RPG-IDB Project: Environmental and climate change indicators
- World Data Forum, Datathon



Challenges

- Challenges reported by NSO, include the lack of:
 - Skilled persons: technologies and methods.
 - Legal framework to support access and privacy
 - Technological infrastructure
 - Financial resources in general.
- Challenges faced by the Hub
 - Support for in-person activities and interpretation for remote
 - Engagement of the NSO to the consultation

THANK YOU!!

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#UNBigData2024