



UN
Datathon

WEBINAR 1

Introduction to the
UN Datathon 2023



Agenda

- **Welcome**
- **Introducing the UN Datathon 2023**
- **Practical information**
 - Expected Outputs
 - Examples of projects from 2022 edition
 - Judging Criteria
 - Awards
 - Datathon timeline
- **Local activities in Uruguay**
- **Introducing Regional hubs**
- **Where can you find more information?**
- **Q&A Session**



Organising Team



**UN Statistics
Division**



**Major Group for
children and Youth**



**Global Partnership
for Sustainable
Development Data**



INE Uruguay



**UN Big Data
Regional hub in
UAE**



**UN Big Data
Regional hub in
Brazil**



**UN Big Data
Regional hub in
China**



**UN Big Data
Regional hub in
Rwanda**

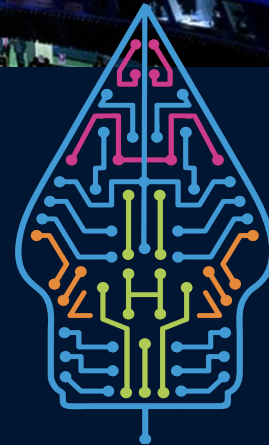


Background and Objectives

**SDG
Summit**



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



**INTERNATIONAL
CONFERENCE
ON
BIG DATA**

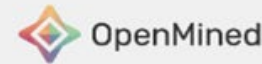
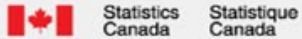
Your ideas matter

Global challenges
have local impacts



Local solutions could
be scaled globally

Our Partners



Introducing the UN Datathon (1/3)

What is the UN Datathon?

The **UN Datathon** is a global data science competition organized in conjunction with the *Festival de Datos* from **November 3rd to November 6th 2023**. Teams of 3-5 data enthusiasts are invited to work on data-driven ideas and solutions to address Global Challenges and help achieve SDGs.

The theme will be revealed right before the start of the competition.



Introducing the UN Datathon (2/3)

Background and Objectives

INNOVATE...

to participate in the achievement of the SDGs

NETWORK...

with data-enthusiastic students and professionals

EXPOSE...

yourself to state of the art data analysis tools and methods

COMPETE...

with data enthusiasts across the globe

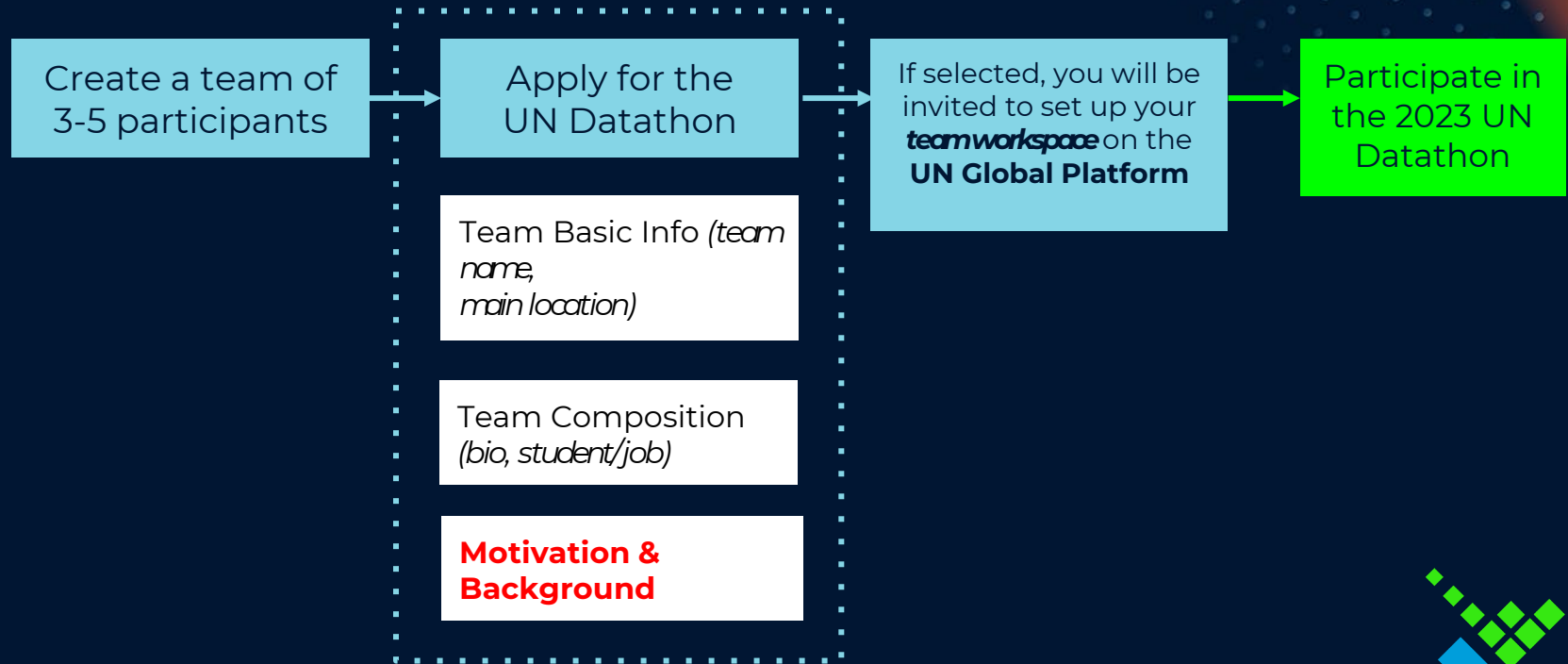
LEARN...

from your peers and strengthen your teamwork



Introducing the UN Datathon (3/3)

Practical information



Expected Outputs

Teams will hack their way through **an innovative analytical solution** to address the [Global and local challenges](#) and help achieve the [Sustainable Development Goals](#) following a theme that will be revealed closer to the Datathon.

Teams must submit:

1. Presentation explaining their solution (free format)
1. Video with maximum length of 10 minutes = voice-over of the presentation
1. Coding scripts



Examples of projects from 2022 edition (1/2)

Example 1: Team Data Eye from Lebanon, overall youth winning team of the 2022 UN Big Data Hackathon

The team developed a “food assistance optimizer” (tackling SDG 2 - zero hunger) that relies on ML algorithms to identify vulnerable populations to send food parcels to in priority through the World Food Program. Their output was an interactive dashboard that focuses on the case study of Lebanon.

The screenshot displays the Spoonful web application interface. At the top, the logo "Spoonful" is prominently featured. Below it, users can select a country (Lebanon) and a region (North). A key metric is shown: "The number of vulnerable households: 201801".

The interface includes five product selection panels, each with a "Select a brand:" dropdown and radio button options:

- Powder Milk:** Dano, Regilait, Nido, None of these brands.
- Pasta:** Panzani, Barilla, Pezzullo, None of these brands.
- Tuna:** Siblou, Plein Soleil, Spinneys, None of these brands.
- Cheese:** Picon, Bella, Bihar, None of these brands.
- Sunflower Oil:** Spinneys, Plein Soleil, Mazola, None of these brands.

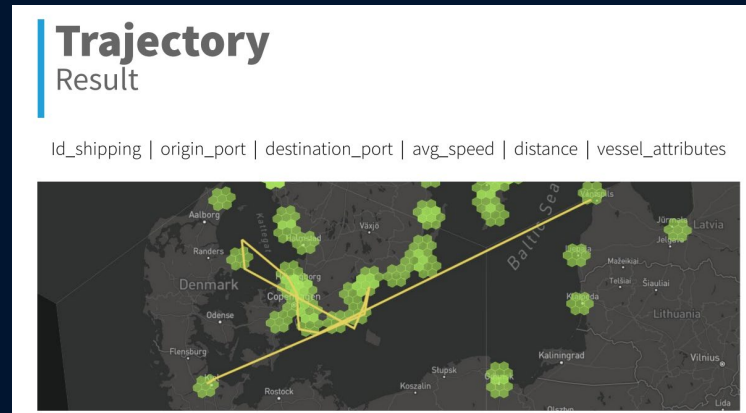
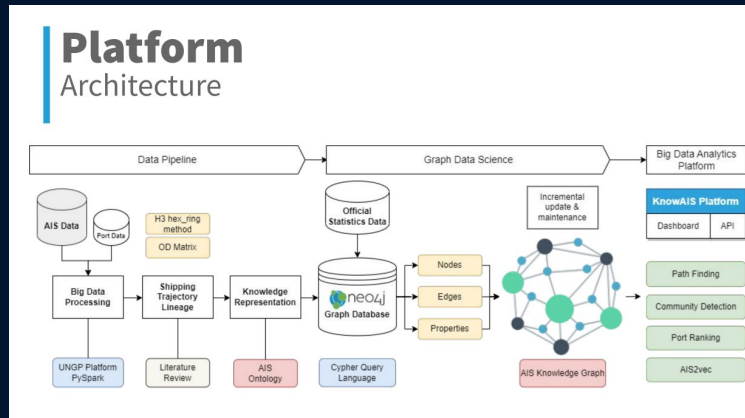
Additional information includes "Total funds allocated in USD: 400000" and a "Supplier URL: www.spinneyslebanon.com". A map titled "Lebanese Districts Poverty Predictions in 2022 by Deploying Satellite Imagery Data on Random Forest Regressor" is visible at the bottom right. Two buttons are present: "Your Selected Mix" and "Spoonful's Recommendation".

On the right side of the dashboard, there are two circular profile pictures: one with the initials "MH" (Muhammad Hossain) and another of a woman (Gina Khatib).

Examples of projects from 2022 edition (2/2)

Example 2: Team Cedarsdata from Indonesia, overall big data experts winning team of the 2022 UN Big Data Hackathon

The team developed a “self-service analytics platform for global shipping networks” that processes AIS big data to provide a more efficient and accurate way to track maritime trade and transportation. The goal is to make data-driven decisions about how to route shipments without delays or inefficiencies, resulting in a boost in world trade activity and global value chain.



Judging criteria *(tentative, subject to change)*

Criterion	Description
Theme	Does the team develop a solution that is in line with the event's theme? Is the solution realistic and scalable?
Innovation	Does the team's idea show "Out of the Box" thinking? Is the team's solution groundbreaking?
Methods	Is the technology behind the idea impressive? Does the solution use any new methods?
Presentation*	How well was the project presented? Does it make the solution more appealing?
Visualization*	How well has the report's data visualization been done?



Awards *(examples, non comprehensive list)*

All teams who submitted their solutions will receive a certificate of participation for each team member

Special awards include:

- 1st-3rd place overall
- 1st-3rd place youth teams (<32 y)
- Best high school and best university students teams
- Best teams by region
- Best visualization / presentation
- Best solution using AIS vessel tracking data
- Best solution using privacy enhancing technologies



Datathon Timeline

Join the [mailing list](#) to be updated (webinars, deadlines, winners)

- July 5 ● **Call for applications**
- Aug 17 ● **Webinar 1: Introduction to the UN Datathon**
- Sep 7 ● **Webinar 2: Youth and the SDGs**
- Sep 30 ● **Deadline for applications**
- Oct 10 ● **Approved teams are notified about participation**
- Oct ● **Online trainings**
- Oct 19 ● **Webinar 3: Data Sources and Analysis**
- Oct 26 ● **Webinar 4: Pre-Datathon Webinar**



Datathon Timeline



- *Datathon will officially start **November 3rd at 15:00 h Montevideo Time (UTC-3)**
= 18:00 h UTC*
- *Deliverables must be submitted by **November 6th at 10:00 h (AM) Montevideo Time (UTC-3)**
= 13:00 h UTC*
- **Total of 67 hours.**



Global Partnership for Sustainable Development Data



Fredy Rodriguez

Senior Latin-America and the Caribbean Regional Manager
Global Partnership for Sustainable Development Data

FESTIVAL DE DATOS

November 6-9, 2023
Punta del Este
Uruguay



FESTIVAL
DE DATOS

Webinar: Introduction to Datathon
Aug. 17, 2023



Global
Partnership
for Sustainable
Development Data

About the Global Partnership for Sustainable Development Data

700

Partners

120

Data partnerships

30+

Government partners

35

Work across 35 countries

244

Convenings delivered

Festival de Datos

- Festival De Datos 2023 will focus on **strengthening data communities and their ability to unlock the value of data** for all as we strive to achieve the Sustainable Development Goals
- It will build trust between diverse users and producers, **catalyze partnerships, discuss emerging trends, and surface innovations** in reimagining data and power.
- The event will be held in **Uruguay in November 2023**. It will further energize Latin America and **elevate National Statistics Offices of smaller countries** to become champions.
- The Festival will be a forum for **celebration, exchange, and discovery of practical data solutions** to the world's biggest challenges.

Festival de Datos Principles

- We believe in crowding-in perspectives on data practices, so the Festival de Datos will feature an **accessible and inclusive program**.
- We believe that sharing data and new approaches helps tackle real-world problems, so Festival de Datos sessions will **showcase collaboration and be practical and useful**.
- Our community holds rich knowledge and insights on data and technology and its ethical use, we will leverage this to deliver **learning experiences that are empowering**.
- We value the creative and intellectual energy of our global community, so we will **co-create an experience** that is thought-provoking and vibrant.
- We believe that data systems must be built to benefit people and the planet in the long term, so we will **focus on environmental sustainability and sustained progress**.

Festival de Datos - Pillars

Timely Data	Inclusive Data	Accountable Data Governance
Harnessing up-to-date data for environment and climate adaptation	Advancing the availability and use of inclusive data so no one is left behind	Supporting people to shape how they are represented in data
Data systems and technological approaches to crisis preparedness and response	Taking an intersectional approach to data	Creating cultures of transparency, data sharing, and use
Maximizing timely data to transform economies	Institutionalizing citizen-generated data	Democratizing data skills for greater equity

Festival de Datos Targets in figures

- **600 attendees.**
- 300 global and regional organizations from governments, private sector, academia and civil society.
- + More than **50 countries** from around the world.
- **4 days of Festival** to explore the application of data values in the context of timely, inclusive and accountable data governance, plus several days of side and warm-up events taking place on the fringes of the festival. **Day Zero Agenda on November 6, 2023.**



IMPACT
SHOWCASE



CURATED
NETWORKING



IDEAS
LABS



HANDS-ON
TRAINING



ROUNDTABLES
AND PANELS



FIELD
TRIPS



LIVE
STREAMING

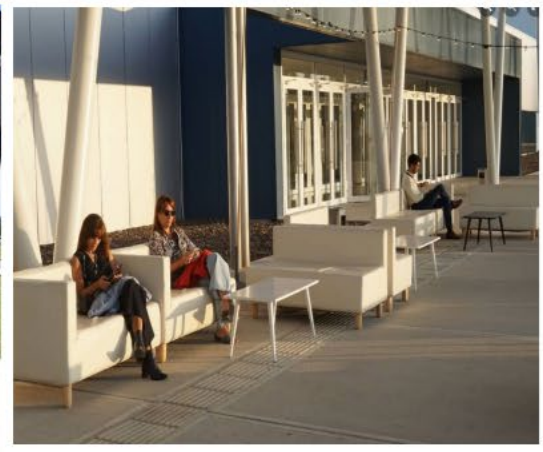
Punta del Este Uruguay



**Global
Partnership**
for Sustainable
Development Data



Venue

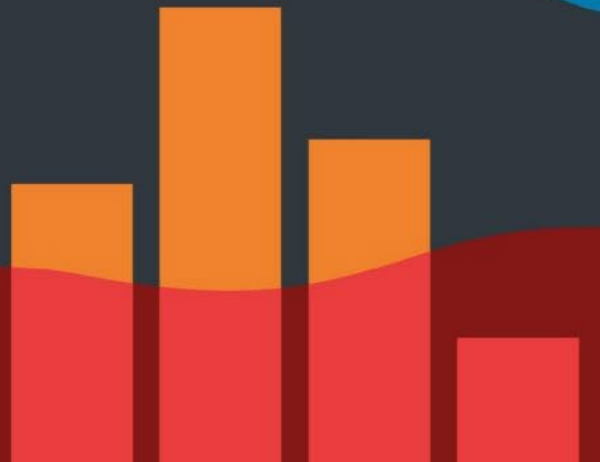


Thank you!

We look forward to welcoming you to the
Festival de Datos

festival@data4sdgs.org

**FESTIVAL
DE DATOS**



INE Uruguay



Federico Segui

Deputy Director General
The National Statistics Institute of Uruguay

On-site Datathon in Montevideo - Uruguay

Federico Seguí - Deputy Director General NSI Uruguay

INE – Instituto Nacional de Estadística

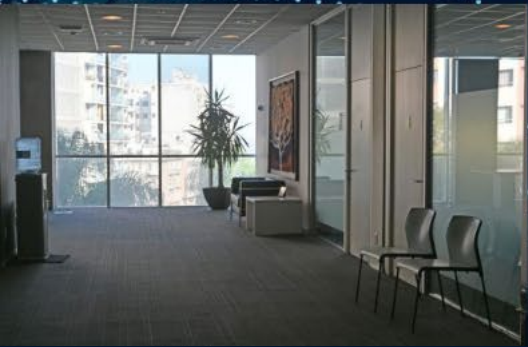
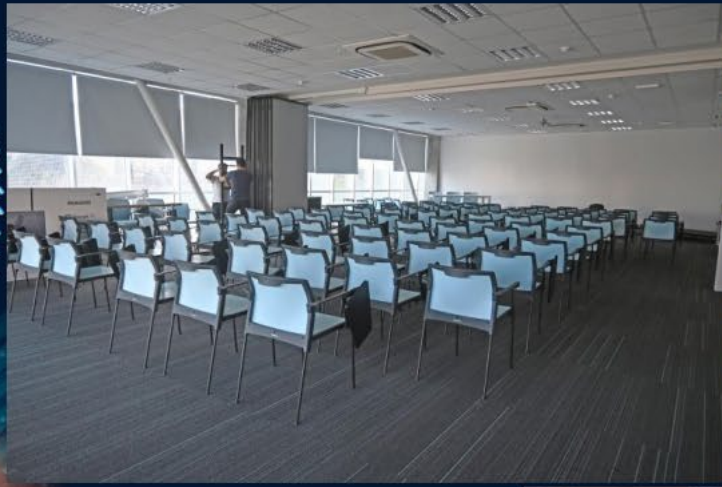
NSI – National Statistics Institute

- INE is the Government institution responsible for the production, supervision and coordination of official statistics. It is the coordinator of the National Statistical System in Uruguay.
- INE is actively promoting the use of new data sources like big data to produce statistics.
- In 2021, INE successfully organized a Hackathon/Datathon for the local community of researchers and data scientists.
- INE is the host the UN Datathon 2023 in Montevideo.
- Also hosts and co-organizes the Festival de Datos 2023 in Punta del Este.

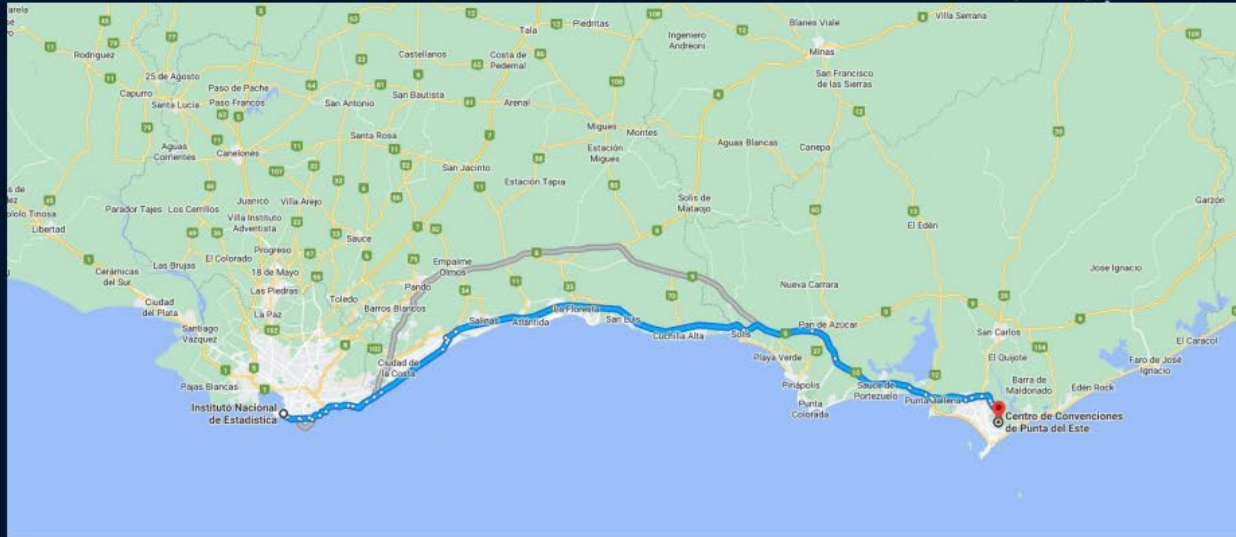
Venue of the UN Datathon in Montevideo



Venue of the UN Datathon in Montevideo (2)



from UN Datathon in Montevideo (3 - 6 Nov) to Festival de Datos in Punta del Este (6 – 9 Nov)



Transportation (buses) from Datathon (INE - Montevideo) to Festival de Datos (Punta del Este)
Monday 6 Nov. at 11am (2 hours approx.)

Te estamos esperando... We are waiting for you...



UN Global Platform Regional Hub for Big Data **in the UAE**



Thuraya Mohammed Al-Hashimi

Executive Director
Digital Data Enabling Sector
Federal Competitiveness & Statistics Centre (FCSC)

Video message



UN Global Platform Regional Hub for Big Data **in China**



Bei Yugao

Survey office of NBS of China in Zhejiang
Division of UNBDC Management

Join us

助力全球发展，首设中国赛区！

Welcome YOUNG TALENTS from Asia-pacific region to join UN Datathon
欢迎中国青年参加中国赛区
以及全球赛区的比赛！



UN 联合国
大数据黑客松大赛
中国赛区比赛

FESTIVAL DE DATOS 杭州 中国

2023.11.3-11.6

The poster features a scenic night view of a traditional Chinese pavilion with multiple tiers and ornate roofs, illuminated and reflected in a body of water. The background shows a cityscape and mountains under a twilight sky. The text is overlaid on the image in white and green.



United Nations Global Platform for Big Data China Hub
联合国大数据全球平台中国区域中心

浙江实验室



ZHEJIANG LAB



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UN Global Platform Regional Hub for Big Data **in Brazil**



Andrea Diniz da Silva

Professor and researcher
@ National School of Statistical Sciences – ENCE/IBGE

The logo for UNBig Data Regional Hub in Brazil features a cluster of colorful dots (blue, green, yellow, orange) on the left, followed by the text "UNBig" in blue and green, "Data" in black, "Regional Hub" in white, and "in Brazil" in green script below it.

UNBigData Regional Hub
in Brazil

United Nations Datathon 2023

Introduction to the UN Datathon Webinar

Andrea Diniz da Silva
National School of Statistical Sciences of the
Brazilian Institute of Geography and Statistics

National School of Statistical Sciences of the Brazilian Institute of Geography and Statistics – IBGE



 **UNBig**DataRegional Hub
in Brazil

Supporting NSO in Latin America and the
Caribbean on the use of big data and data
science for official statistics

Motivación

- Big data y ciencia de datos son una oportunidad para mejorar las estadísticas oficiales.
- Sin embargo, nuevas fuentes de datos y nuevos métodos han que ser muy bien testados.
- Ustedes pueden contribuir mucho, además de vivir una experiencia única, intercambiar conocimientos y conocer gente interesada en el tema

Motivação

- Big data e ciência de dados são uma oportunidade para melhorar as estatísticas oficiais.
- No entanto, novas fontes de dados e novos métodos devem ser muito bem testados.
- Você pode contribuir muito, além de viver uma experiência única, trocar conhecimentos e conhecer pessoas interessadas no assunto.

Satelite Datathon in Rio

- To be held at the National School of Statistical Sciences, in Rio de Janeiro - Brazil.
- We will provide a coworking space to allow interaction among the teams.
- Internet connection and support will be available.
- A team will be available on-site.

UN Global Platform Regional Hub for Big Data **in Africa**



Therese Uwimana

Director of Data Revolution and Big Data
@ National Institute of Statistics of Rwanda

The logo consists of a cluster of colored dots in shades of blue, green, yellow, and red, arranged in a roughly circular pattern to the left of the text.

UN Big Data Regional Hub for Africa

Webinar Introducing the UN Datathon 2023

Therese Uwimana
Director of Data Revolution and Big data
National Institute of Statistics of Rwanda (NISR) and co-chair of the Programme Management Unit (PMU) of UN Big Data Regional Hub for Africa
therese.uwimana@statistics.gov.rw

17TH AUGUST 2023, KIGALI-RWANDA

AIM

The Datathon aims at:

- Developing ideas and solutions to help achieve the Sustainable Development Goals.

It provides

- A platform for young people and big data experts to use a wide variety of data to help solve global challenges.

OBJECTIF

Le Datathon vise à :

- Développer des idées et des solutions pour aider à atteindre les objectifs de développement durable et

Il fournit

- Une plate-forme permettant aux jeunes et aux experts du Big Data d'utiliser une grande variété de données pour aider à résoudre les défis mondiaux.

Benefits of Participating

Solve global challenges
(SDGs)

Network & Learn

UN DATATHON
2023

Innovate

Data into information



UN

DATATHON



Montevideo
URUGUAY

3-6 November 2023



Students

Data-related Industry

Government

Academia & Researchers

Civil society

Entrepreneurs

Private sector

**Apply today and / or
Sign up for email updates:**

Apply to participate in the UN Datathon 2023:
<https://unstats.un.org/bigdata/events/2023/un-datathon/>



Add yourself to our mailing list to receive updates:
<https://input.un.org/EFM/se/3995D1A4426836B2>



How to stay informed

Do you have additional questions?
Ask now or reach out to us

Email: un-datathon@unmgcy.org

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[@UNdatathon](https://www.facebook.com/UNdatathon)



[@UNdatathon](https://www.linkedin.com/company/UNdatathon)



Global Network of Data
Officers and Statisticians

Or ask questions in the UN
Datathon group on the
Global Network at
<https://yammer.com/unstats/>





UN DATATHON



Montevideo
URUGUAY
3-6 November 2023

Website:

<https://unstats.un.org/bigdata/events/2023/un-datathon/>

Home > Events > UN Datathon 2023

Leverage technology
and your expertise to
develop innovative
solutions for a more
sustainable and
equitable future

Join us on this journey of innovation, exploration, and problem-solving as we harness the power of data to create a more sustainable and resilient world.

Datathon participants will develop innovative data-driven applications, tools or statistical models combining geospatial data with other data sources to help advance the implementation of the Sustainable Development Goals.

REGISTER TODAY! 
DEADLINE 30 SEP 2023

3-6 Nov 2023

70 hour Hybrid Hackathon

Hosted in **Montevideo** by INE Uruguay
Organized by UN and partners in conjunction with the Festival de Datos

Participate remotely!

or on site at several locations around the world!

Main Venue: Montevideo, Uruguay

Satellite locations (to be confirmed):
Dubai, UAE; Rio de Janeiro, Brazil

Can I join?

Teams of 3 - 5 researchers, students, professionals from academia, national statistical offices, other government agencies, private sector companies or enthusiasts with a background in data science, statistics, economics, and social sciences are all welcome to apply!

Q&A Session

Ask your questions now!

**Type into the meeting chat
or raise your hand**





UN
Datathon

Thank you!

Visit now our website
and register today

