

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**

The **UAE** United Nations Regional Hub

An innovation Blueprint for the MENA Region

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 **UN Big Data Regional Hub**
in United Arab Emirates

Executive Overview & Vision Statement

An Incubator for AI and Data Science Innovation



Vision

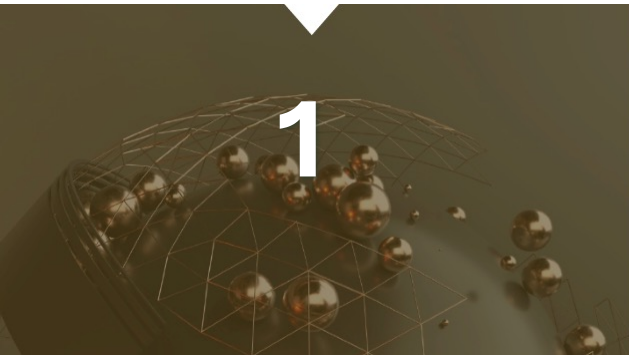
Establish the UAE UN Regional Hub as an **Incubator of Innovation** and a **Powerhouse for AI and advanced Data Science**

How? The Hub will achieve this through:

- Utilize and extend the UN Global Platform for **AI and Data Analytics**
- Foster innovation and collaboration of **regional talents and global expertise**
- Creation of a **vibrant ecosystem** that nurtures **AI and Data driven decision making**
- Smart approaches to **data utilization for official statistics**

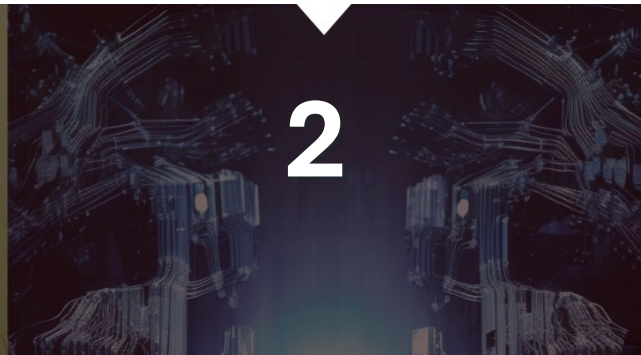
Strategic Pillars for the Transformation of the Hub

Propelled by 4 core engines for catalyzing change



1

AI Powerhouse



2

Nexus



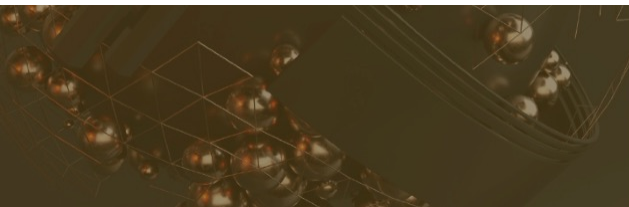
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Fusion

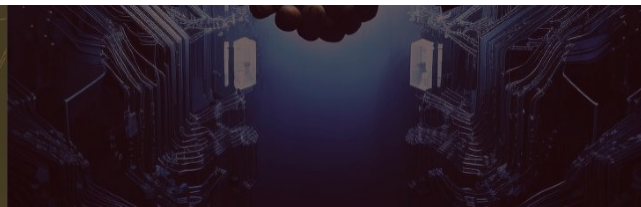


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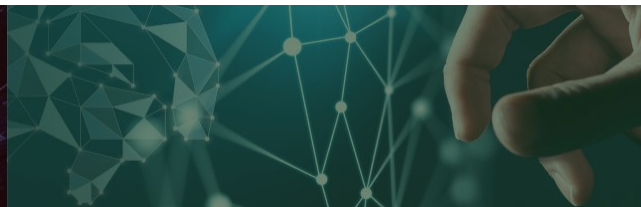
Catalyst



Leading the way in innovative AI and data science solutions



Unlocking new partnership with academia, public sector, private sector and global companies



Integrating diverse technologies to create advanced solution



Sparking transformative changes through advanced data analytics

AI & Data Science Innovation Lab

Leading the way in innovative AI and data science solutions with a dedicated futures foresight lab: "the Futures Observatory"

National AI Program

Creation of an **open-access digital library for AI research** and the launch of a **National Virtual AI Institute**. These efforts aim to aggregate local and global expertise and boost R&D activities in AI and the use of **Large Language Model (LLM) for Official Statistics**, and explore technologies shaping the future of **data strategy**.

SDI Labs as Hub for Future Observatory

Statistic & Data Science Innovation Lab (SDI) as Hub will focus on **generating innovative ideas** using data science to understand regional trends and address regional problems. Create **Futures Observatory within the Hub** to develop future global trends that are shaping statistic, challenges, and opportunities using AI and big data. Share an **annual brief** of the **Futures Observatory** findings in **Arab Strategy Forum**.

برنامج الذكاء الاصطناعي THE ARTIFICIAL INTELLIGENCE PROGRAM

The Artificial Intelligence Program is a specialised training program managed by the National Program for Artificial Intelligence in the United Arab Emirates and facilitated by the University of Birmingham.

UNITED ARAB EMIRATES
MINISTRY OF CABINET AFFAIRS & THE FUTURE



الإمارات العربية المتحدة
وزارة شؤون مجلس الوزراء والمستقبل



Global Quadruple-Helix Partnership Nexus

Unlocking partnership models for the region and beyond with public, private, academia and citizen partners bringing cross-disciplinary think tanks to solve regional problems

Data Future Accelerator

A program designed to bring together **international companies** and **Data innovation to address major global challenges** using transformative technologies of **Data Science**. Publish the experience on the regional hub for to way future implementation.

Global Partnership

A progressive and **agile pilot framework** that showcases workflows to activate quadruple helix partnerships between **the public sector, private sector, academia and citizens. Fostering** exchanges between **international statistical offices, global tech startups, and academic and citizens institutions.**



3

Data Science Innovation Forum

Creation of a vibrant ecosystem that nurtures data driven decision making through an the Data Innovation Forum as part of the **World Government Summit** and in Partnership with the **Arab Strategy Forum**

UAE Pulse

Data initiative aims to make UAE the smartest, a wellbeing prospects (beyond GDP), by fostering data-driven decision-making. Enhances transparency and enables both public and private sectors to make informed decisions based on comprehensive data analytics

UN Data Hackathon

In partnership with the United Nations Statistics Division. Beyond traditional hackathons, the UAE Regional Hub will **host the in-person annual United Nations Hackathon** in Dubai.

Data Innovation Forum

Forecast global and regional trends, future foresight and opportunities using AI, Data Science and big data. Share an annual brief of the Futures Observatory findings in **World Government Summit. Create a forum** for diverse thinkers to explore innovative approaches to regional challenges using statistics and data



UAE Coder HQ

New generation of regional talent

Coders HQ

UAE Coder HQ: UAE Coder HQ aims to cultivate a new generation of tech-savvy individuals proficient in AI, data science, and advanced analytics. Provides coding programs, bootcamps, and training sessions that equip young talent with the necessary skills to drive innovation and contribute to data-driven decision-making.

Whitepaper

Launch whitepapers exploring cutting-edge concepts in **data science and technology:**

Whitepaper Launch Idea 1:

Harnessing Quantum Computing for Global Challenges

Whitepaper Launch Idea 2:

AI-driven Predictive Governance: Anticipating Social Needs through Big Data Analytics

Whitepaper Launch Idea 3:

The Synthetic Data Revolution: Balancing Privacy and Innovation in Statistics

مقر المبرمجين
coders (hq)

Empowering
the next wave of
(coders)

UAE government launched the Coders HQ, a new transformational project that re-defines local coding communities, in partnership with more than 40 companies in the UAE and worldwide.

> Learn more



1000

Digital Companies

To be created

500

Internship Opportunities

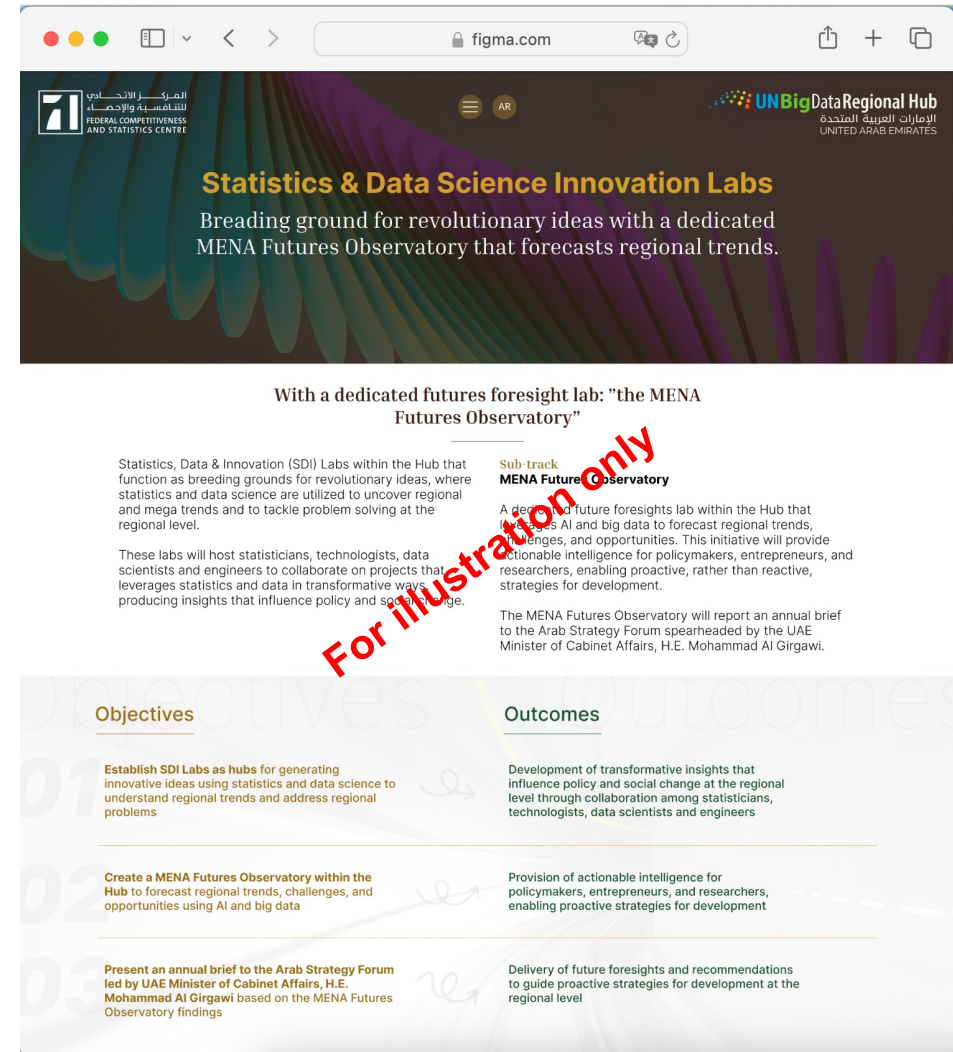
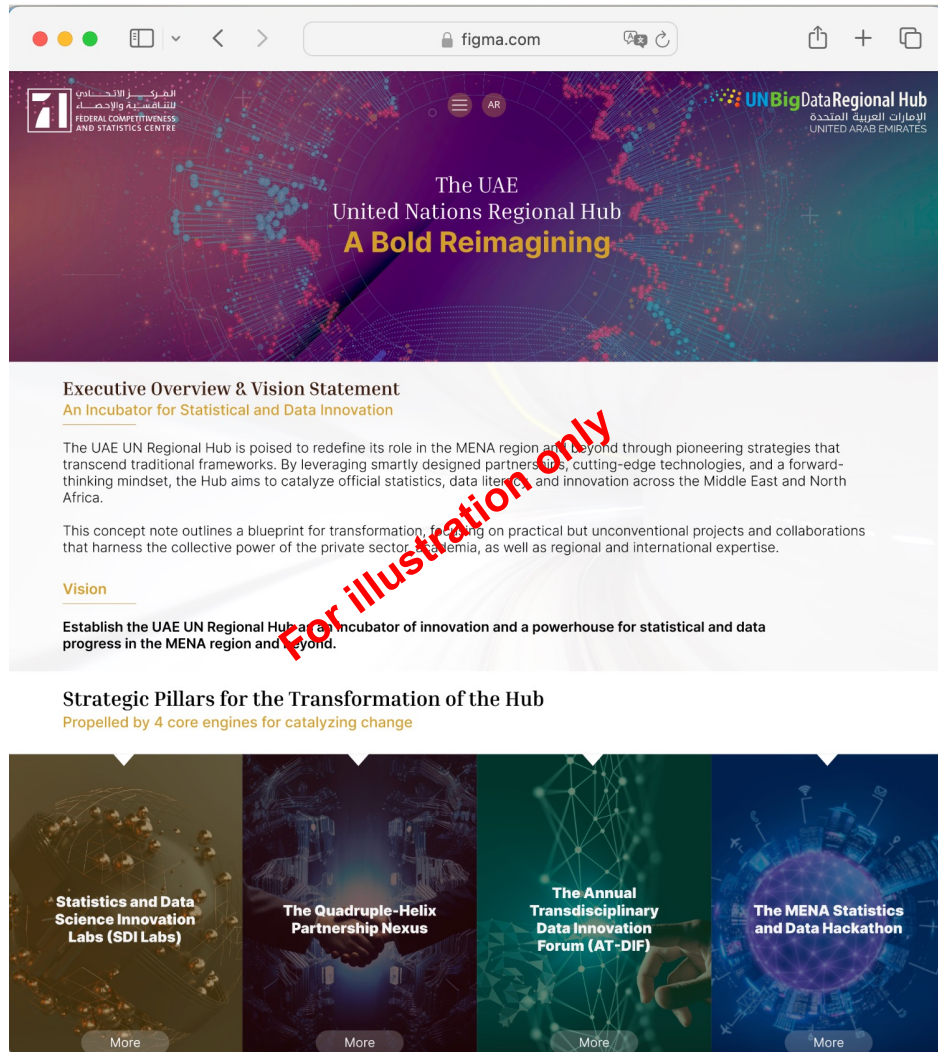
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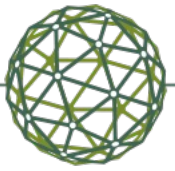
Coding Challenges
of the private sector to be
created

10

Coding sectors
In universities

The new website – coming soon!





THANK YOU

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