



Conferência Nacional dos Agentes Produtores e Usuários de Dados

SOBERANIA NACIONAL EM GEOCIÊNCIAS, ESTATÍSTICAS E DADOS

Riscos e oportunidades
do Brasil na Era Digital

29 de julho a 02 de agosto de 2024 | UERJ - Rio de Janeiro

SINGED governance in the context of the latest international developments

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Riscos e oportunidades do Brasil na Era Digital

SINGED governance in the context of the latest international developments

Governance of SINGED

Focus on

- International recommendations and practices relevant to SINGED governance
- Data Governance that is robust, relevant and consistent with the needs of Brazilian society (including construction and viability of legislation)
- Inclusiveness: perspectives of national users and producers of information (listening to the needs of users with different profiles)
- Innovation: opportunities and risks inherent to the new data environment and the digital era (Big Data and AI)





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Pathway towards International Data Governance (August 2023)

To achieve a comprehensive global data governance framework, the international community, multilateral entities, the private sector and grass-roots initiatives will need to:

- Agree on a set of common principles;
- Establish clear processes for making decisions; and
- Establish mechanisms for implementing these decisions



Development of the Global Digital Compact (2024)



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Riscos e oportunidades do Brasil na Era Digital

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Welcome to the United Nations

العربية 中文 English Français Русский Español



New York, 2024

Summit of the Future

20-21 September – Action Days
22-23 September – Summit

Outcome documents and letters from the Co-facilitators

Pact for the Future

Latest documents:

[Revision 2](#)

[Zero Draft](#)

Declaration on Future Generations

Latest documents:

[Revision 2](#)

[Revision 1](#)

Global Digital Compact

Latest documents:

[Revision 2](#)

[Revision 1](#)



Global Digital Compact: Principles (rev2 – 26 June 2024)

- **Inclusive:** The equitable participation of all states and other stakeholders is the cornerstone of this Compact;
- **Human rights:** This Compact is anchored in international law, including international human rights law.;
- **Accessible:** Accessible and affordable data and digital technologies and services are essential to enable every person to participate fully in the digital world ;
- **Interoperable:** Digital systems that communicate and exchange are critical catalysts for development ;
- **Multi-stakeholder:** Governments and other stakeholders, including the private sector, civil society, the tech community, academia, international and regional organizations, all have roles and responsibilities in advancing an inclusive, open, safe and secure digital future .





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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

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Global Digital Compact: 5 objectives

1. Close all digital divides and accelerate progress across the Sustainable Development Goals;
2. Expand inclusion in and benefits from the digital economy for all;
3. Foster an inclusive, open, safe and secure digital space that respects, protects and promote human rights;
- 4. Advance equitable and interoperable data governance;**
5. Enhance international governance of artificial intelligence and emerging technologies for the benefit of humanity.





GDC Objective 4: Advancing equitable and interoperable data governance

Recommendations

- There exists an asymmetric concentration of data and capacities to use it (between and within countries).
- Data governance is essential to advance development objectives, protect human rights, foster innovation, and promote economic growth.

➔ Empower individuals and groups with the ability to consider, give and withdraw their consent to the use of their data and the ability to choose how that data is used,

➔ Ensure that data collection, access, sharing, transfer, storage and processing practices are safe, secure and proportionate for necessary, explicit and legitimate purposes, in compliance with international law.



GDC Objective 4: Advancing equitable and interoperable data governance

Recommendations

- Data divides, including gender data gaps, can lead to inequitable distribution of benefits, the misuse of data and biased results.
- Common data standards and interoperable data exchanges can increase the accessibility and sharing of data, and help close data divides.

➔ Develop data and metadata standards designed to prevent and address bias, discrimination or human rights violations and abuses throughout the data life cycle.

➔ Develop basic definitions and data classifications to promote interoperability and facilitate data exchanges.

➔ Develop common definitions and standards on the use and reuse of data for public benefit



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ESTATÍSTICAS E DADOS

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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

SINGED governance in the context of the latest international developments

Data governance (OECD definition)

Data governance encompasses technical, policy, and regulatory frameworks to **manage data along its value cycle** — from creation to deletion — **and across policy domains** including health, research, public administration, and finance. It ranks as a top priority for governments **aiming to maximize the benefits of data while addressing challenges such as privacy and intellectual property as well as competition and empowerment.**

Data Sharing - Recommendation of the Council on OECD Legal Instruments Enhancing Access to and Sharing of Data (Oct 2021)

<https://legalinstruments.oecd.org/en/instruments/OECD-LEGAL-0463>





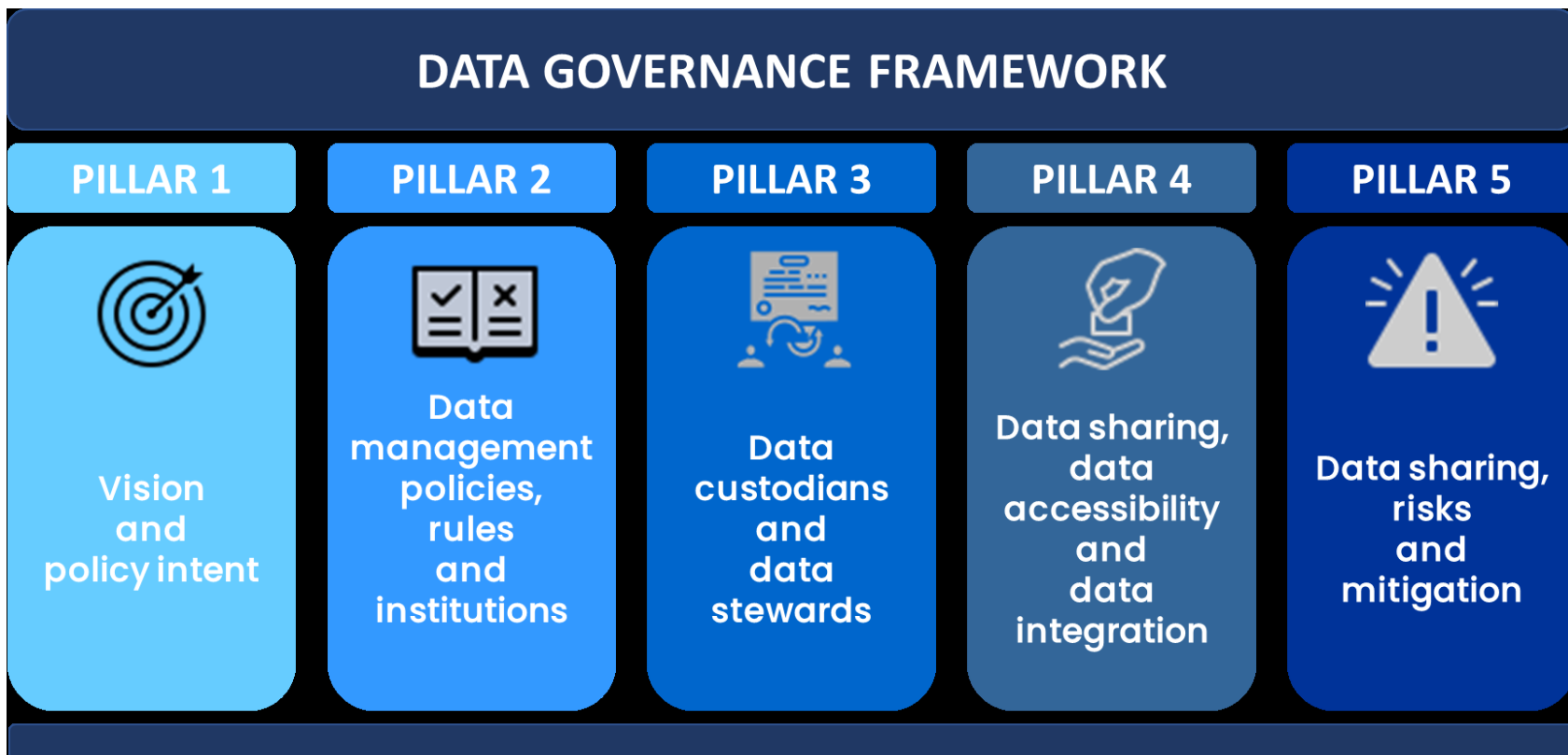
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Riscos e oportunidades do Brasil na Era Digital

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Data Governance Framework – UN ESCAP (March 2024)





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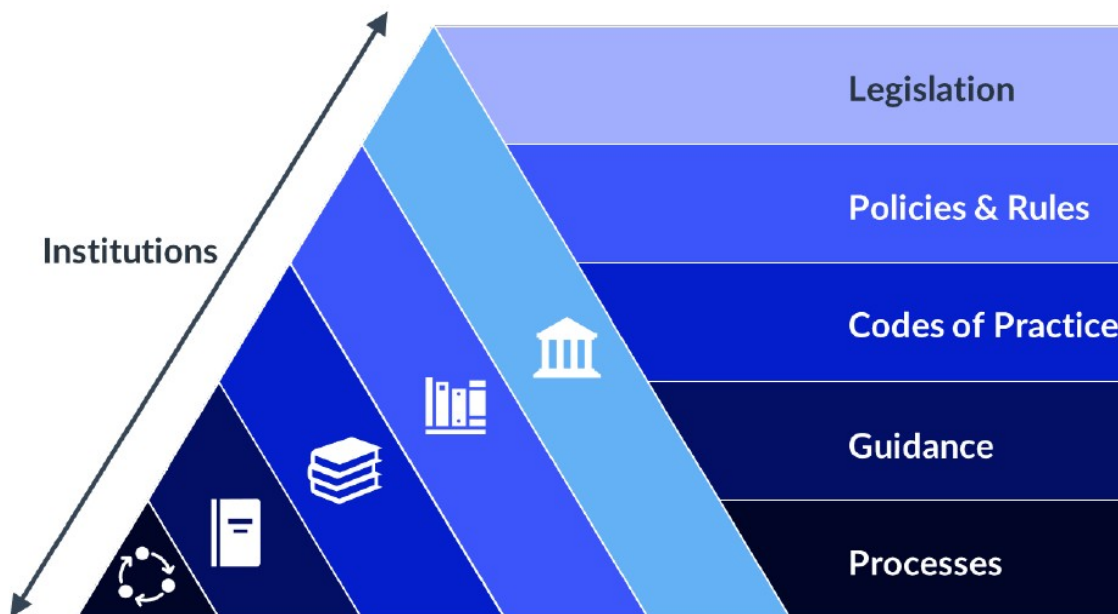
Data Governance Framework – Pilar 1: Vision for data





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Data Governance Framework – Pilar 2: Data management policies, roles and institutions





Data governance (UNCTAD) – 7 principles

- Foundation in human rights
- Treating data in context
- Empowering people
- **Multi-stakeholder inclusivity** [Vision for data]
- **Multilayered approach in data governance** [Legislation, Rules, Guidance]
- **Balancing risks and innovation**
- Inclusion of youth for future orientation



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Riscos e oportunidades do Brasil na Era Digital

SINGED governance in the context of the latest international developments

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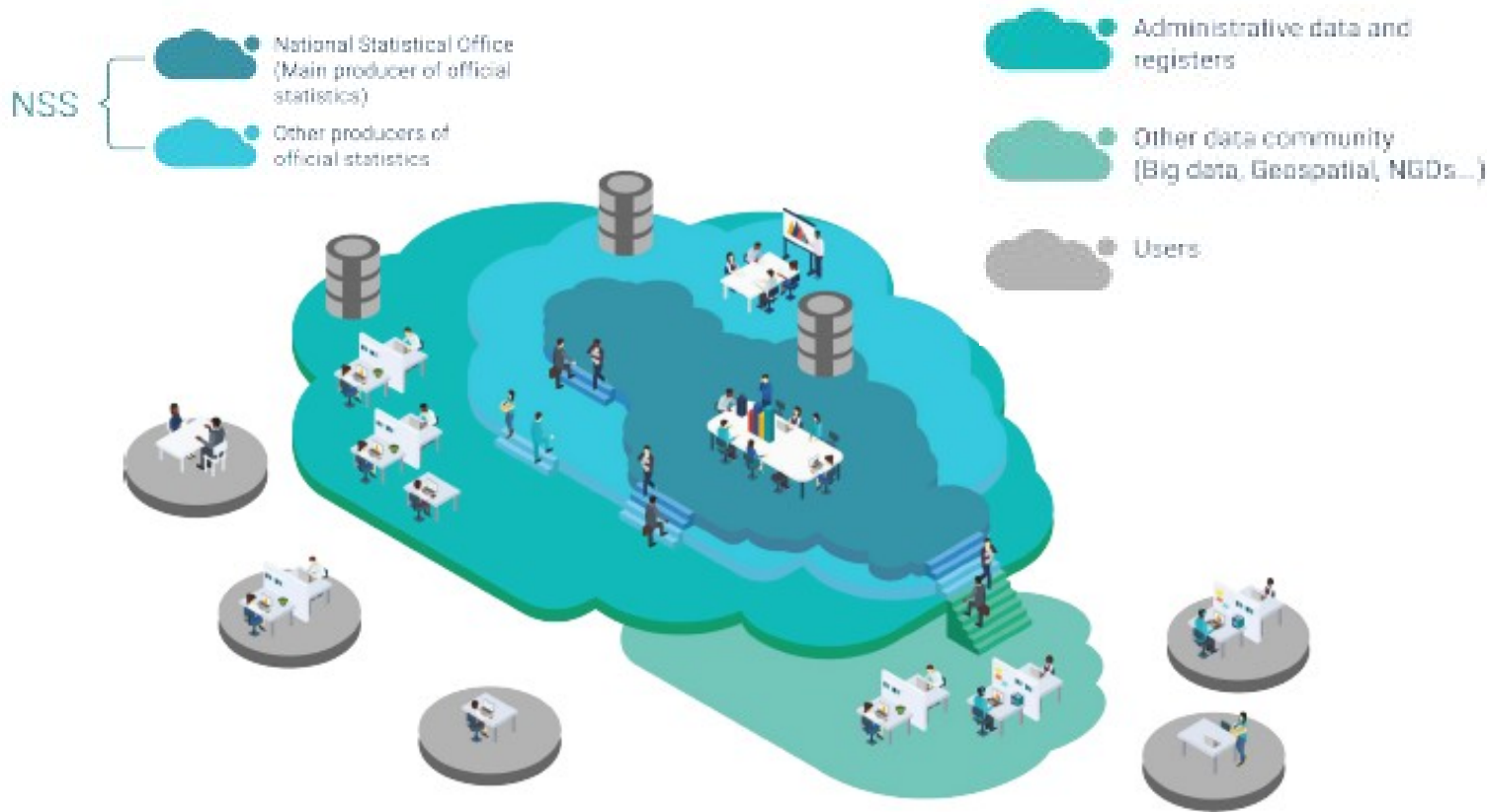
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Riscos e oportunidades do Brasil na Era Digital

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UN Handbook on National Statistical Systems (2022)






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UN Fundamental Principles of Official Statistics


Principle 1
Relevance, impartiality and equal access

States that official statistics are to be compiled and made available by official statistical agencies to honour citizens' entitlement to public information.




Principle 3
Accountability and transparency

Charges the statistical agencies to present their information according to scientific standards on the sources, methods, and procedures of the statistics.



Principle 5
Sources of official statistics

Says that data for statistical purposes may be drawn from all types of sources, be they surveys or administrative records.



Principle 7
Legislation

That the laws, regulations and measures under which the statistical systems operate are to be made public.




Principle 9
Use of international standards

Recommends the use by statistical agencies in each country of international concepts, classifications and methods.




Principle 2
Professional standards, scientific principles and professional ethics

States that statistical agencies need to determine their methods and procedures according to strictly professional considerations, including scientific principles and professional ethics.




Principle 4
Prevention of misuse

States that statistical agencies are to comment on erroneous interpretation and misuse of statistics.



Principle 6
Confidentiality

Prescribes the obligation to respect statistical confidentiality.



Principle 8
National coordination

Spells out that coordination among agencies within countries is essential.



Principle 10
International cooperation

Recommends bilateral and multilateral cooperation in statistics as that contributes to improving systems of official statistics in all countries.




Principle 7
Legislation

That the laws, regulations and measures under which the statistical systems operate are to be made public.



Principle 8
National coordination

Spells out that coordination among statistical agencies within countries is essential.






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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

SIGNED governance in the context of the latest international developments

UN Handbook on NSS: Involving users in the national statistical system (or in SINGED)

4.5.1 The Statistical Advisory Council

- **Members come from outside the NSS:** government ministries, regional and local administrations, mass media, multidisciplinary research institutions
- **Members should have sufficient seniority** within the user institution or the user community they represent
- The Council discusses the **interpretation and implementation of the principles** (of statistics and data) and monitors the compliance of products and producers with those principles.
- The Council **advises on the relevance of statistics** (including coverage and quality)





UN Handbook on NSS: Involving users in the national statistical system

4.5.3 Interaction with user groups outside the statistical advisory council: capturing their information needs

Government, Parliament, and ministries with a broad remit such as the ministry of finance at the national level



Small and medium-size businesses

Specialised ministries such as health, education, agriculture at the national level



The scientific community, including research institutions

Regional and local administrations



Schools and universities

Mass media



International and supra-national organizations (including their statistical departments)

Large businesses



Non-governmental organizations and the civil society.



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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

SINGED governance in the context of the latest international developments

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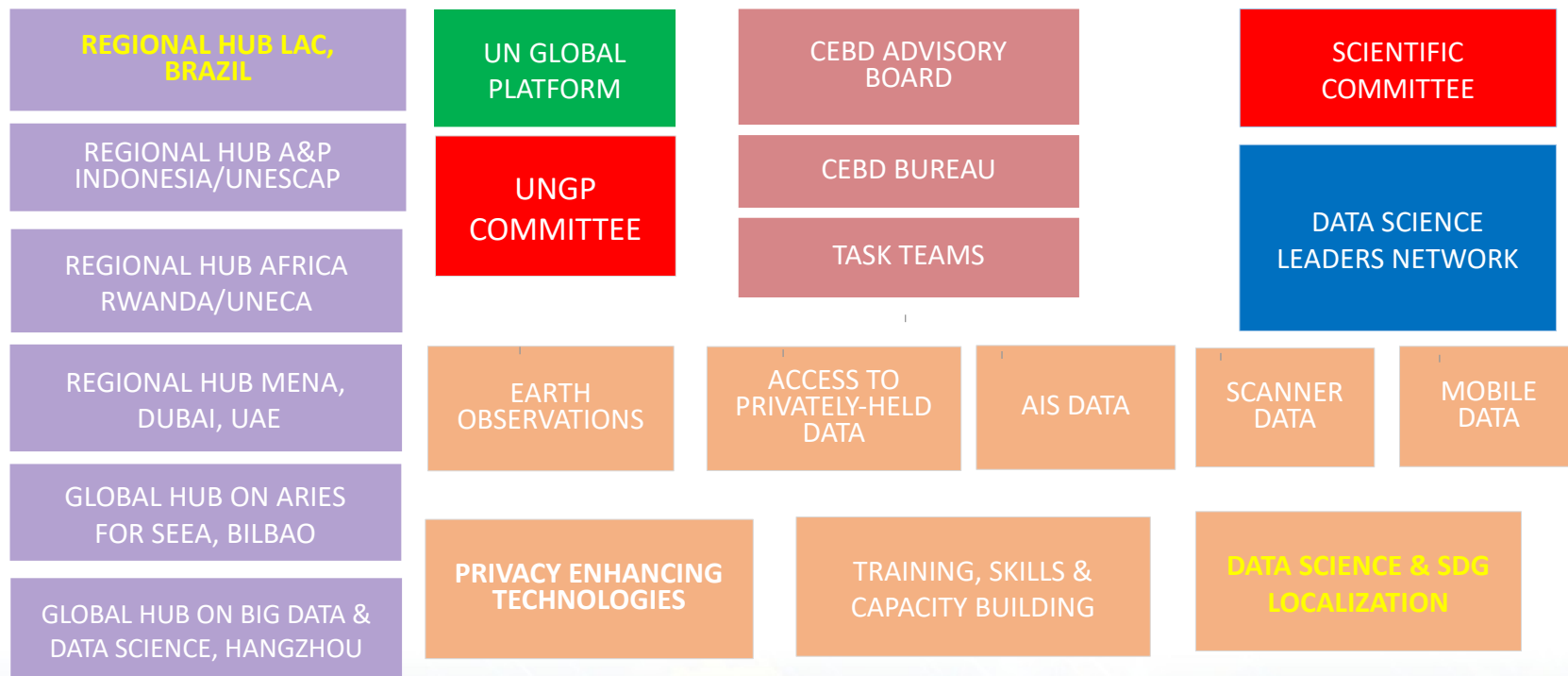
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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

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UN Committee of Experts on Big Data and Data Science for Official Statistics (created in 2014)





UN Committee of Experts on Big Data and Data Science for Official Statistics (10-year review in 2024)

Revised Mandate 2025 (draft) - objectives

To promote practical use of **AI, data science and the use of big data** and other alternative data sources, while building on existing precedents and finding solutions for the many existing challenges, including:

- **Methodological issues**, covering – among others – data quality, data analytics and quality of AI methods.
- **Legal and related issues**, especially in respect to accessing privately-held data sources.
- **Privacy protection**, relevant to the use of AI and Machine Learning, use and reuse of data, data linking, re-identification and data integration.
- **Information technology and data management**, including data dissemination, data visualization, cloud computing, data maintenance and cost-benefit analysis.





UN Committee of Experts on Big Data and Data Science for Official Statistics

Revised Mandate (draft) – cont.

- To **promote strategic relationships** with private sector, geospatial community, academia and other public sector institutes to:
 - Ensure better access to data and responsible use of AI; and
 - Cultivate or nurture ongoing knowledge sharing for enhanced capability.
- To **promote data governance**, AI governance, data stewardship and open data policies for better access and use of data.
- To **promote and support the roles of the regional and global hubs** for building capacity and for collaboration on the UN Global Platform **[including the Regional Hub in Brazil]**



Example: Task Team on Data Science and SDG Localization

- **Promote the integration of statistical and geospatial information to enhance decision-making at all levels, with a focus on local contexts.**
- **Develop comprehensive guidance for localizing SDGs, ensuring local-level policy decisions are informed by geospatially integrated data.**
- **Facilitate collaboration between NSOs, NGIAs, and other relevant stakeholders to improve data-driven policymaking at the local level.**
- Advance the use of data science methods and techniques for extracting insights from integrated statistical and geospatial data to inform local policy and interventions
- Encourage the adoption of new data sources to fill gaps in traditional data collection methods and enhance national data capacity
- Develop practical guidance and toolkits that enables Member States to enact Voluntary Local Reviews, according to their national and local circumstances.



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ESTATÍSTICAS E DADOS

Riscos e oportunidades do Brasil na Era Digital

SINGED governance in the context of the latest international developments

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- Global Digital Compact: <https://www.un.org/techenvoy/global-digital-compact>
- Data Governance (OECD): <https://www.oecd.org/en/topics/sub-issues/data-governance.html>
- Recommendation of the Council on OECD Legal Instruments Enhancing Access to and Sharing of Data: <https://legalinstruments.oecd.org/en/instruments/OECD-LEGAL-0463>
- Data Governance (UNESCAP): <https://www.unescap.org/our-work/statistics/data-governance>
- Data Governance (UNCTAD): https://unctad.org/system/files/official-document/ecn162024d2_en.pdf
- UN Handbook on Management and Organization of National Statistical Systems: https://unstats.un.org/capacity-development/handbook/Handbook_20230417.pdf
- UN Committee of Experts on Big Data and Data Science for Official Statistics: <https://unstats.un.org/bigdata>
- Task Team on Data Science and SDG Localization: <https://unstats.un.org/bigdata/events/2024/conference/agenda/day3-sessions/data-science-sdgs/>



Thank you!

Para mais informações acesse o QRcode.

