

Ten years of geo-statistics integration: Positioning for 2030 and Beyond - Points for reflection about the future

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8th Meeting of Expert Group on Integration on Statistics and Geospatial Information
UN-Habitat, Nairobi, September, 17-19, 2024.



GLOBAL SCENE – NEW CHALLENGES



GLOBAL SCENE – NEW CHALLENGES

GLOBAL SCENE – NEW CHALLENGES

Climate crisis



GLOBAL SCENE – NEW CHALLENGES

Demographics Changes

Japan



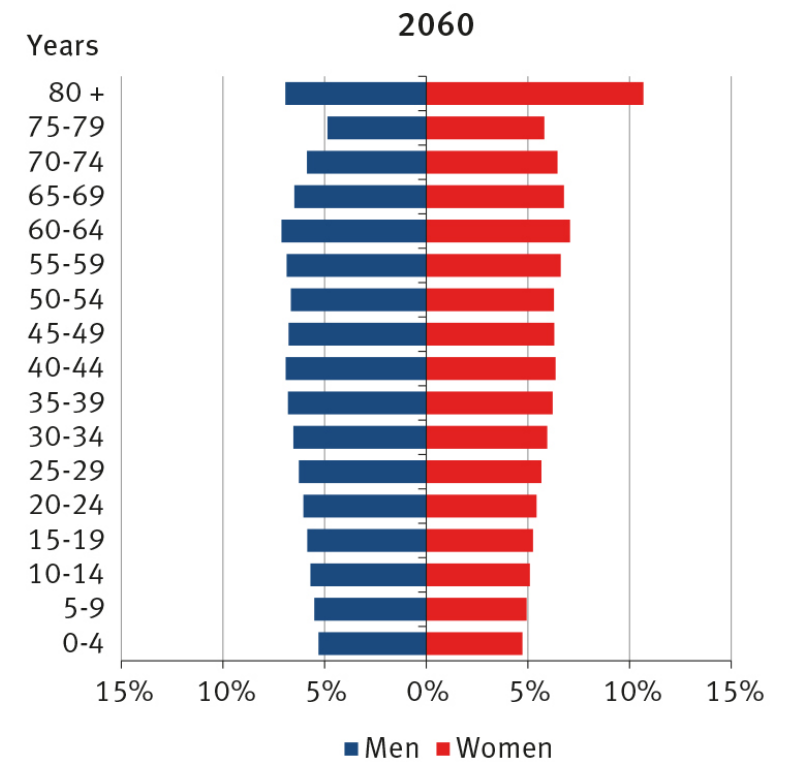
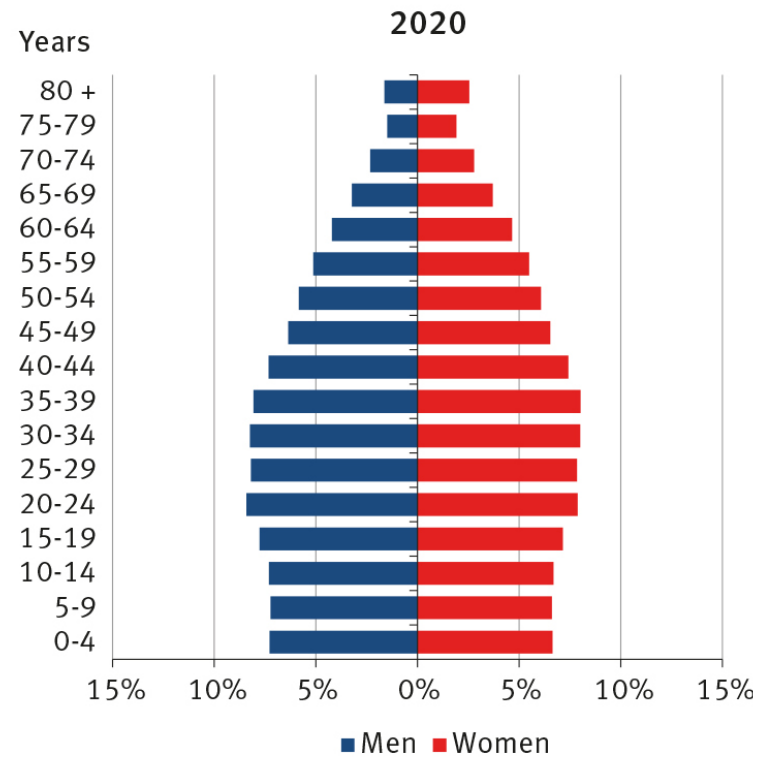
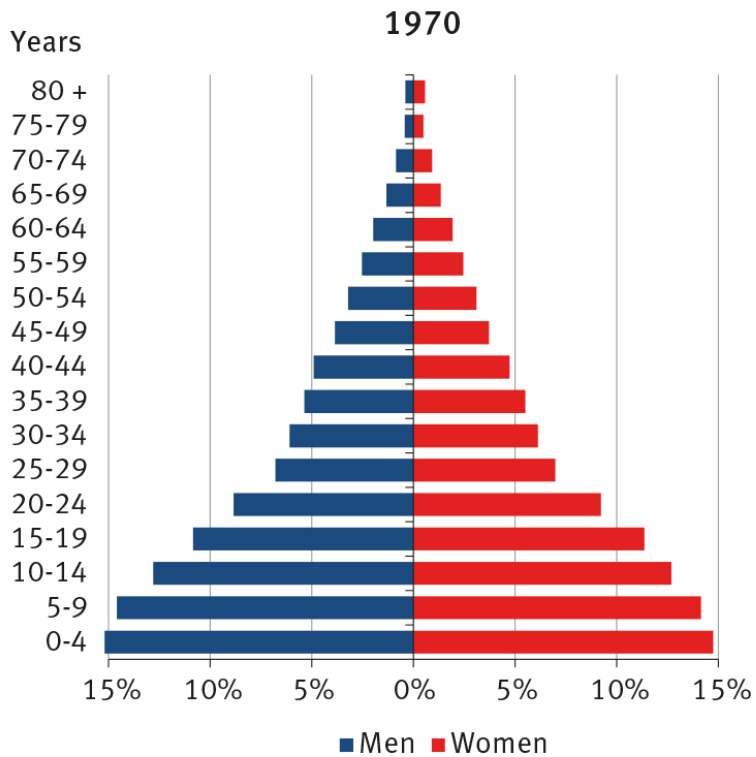
| Japan's age distribution trends -Moving towards an inverted pyramid

The populations of many countries are aging quickly.

GLOBAL SCENE – NEW CHALLENGES

Demographics Changes

Brazil



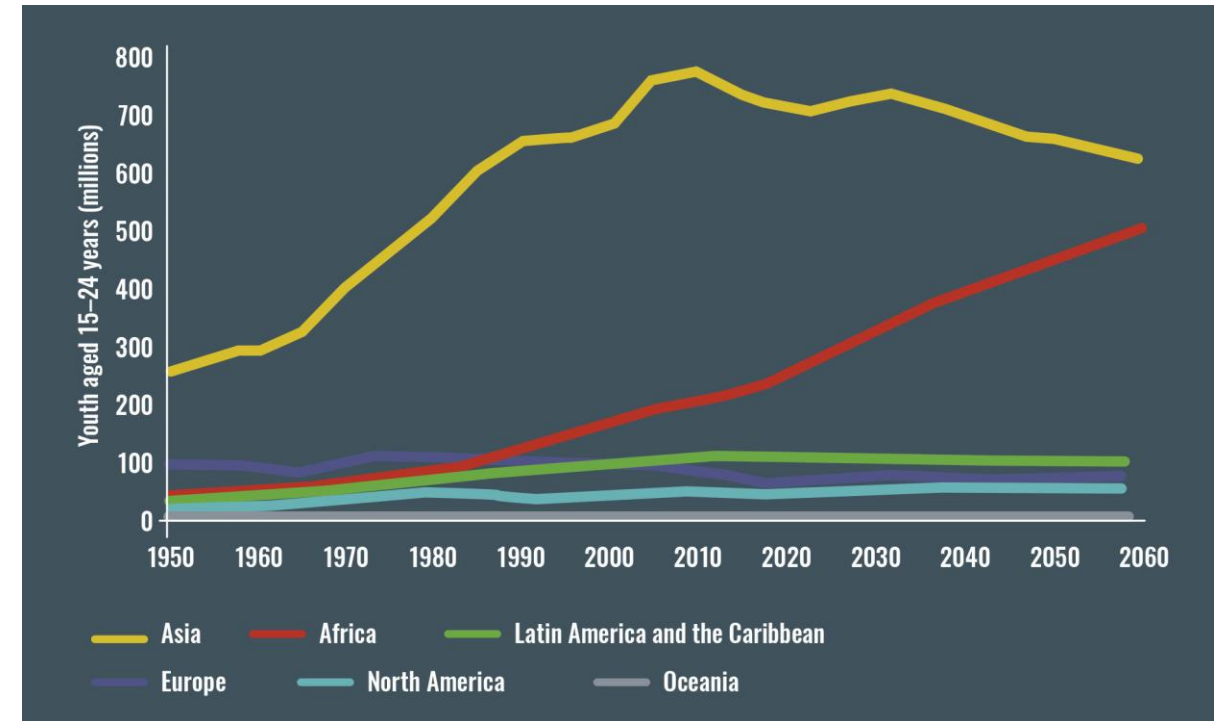
The populations of many countries are aging quickly.

GLOBAL SCENE – NEW CHALLENGES

Demographics Changes and Fast Urbanization



Fast Urbanization in Africa



Fast population Growth in Africa

GLOBAL SCENE – NEW CHALLENGES



We still have to face poverty and inequality



GLOBAL SCENE – NEW CHALLENGES



Growth of migratory flows



GLOBAL SCENE – NEW OPPORTUNITIES



GLOBAL SCENE – NEW OPPORTUNITIES

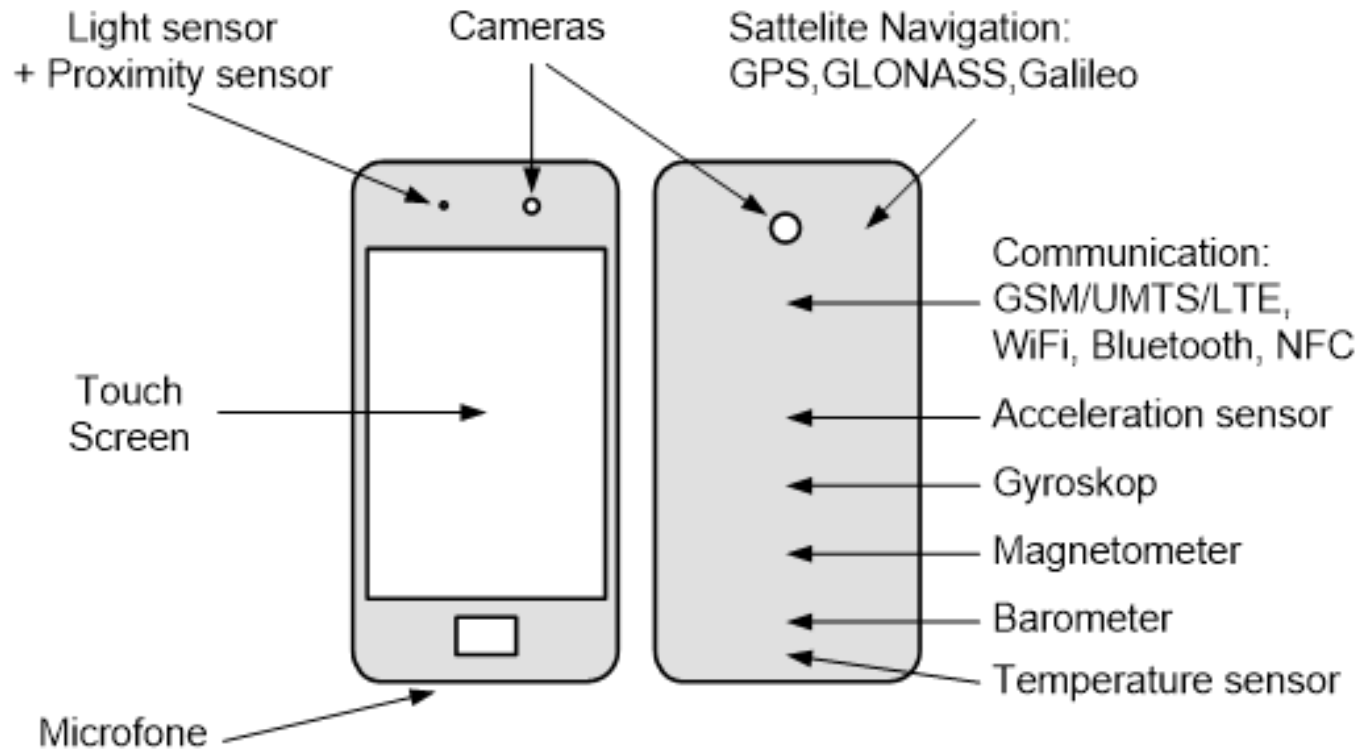
GLOBAL SCENE – NEW OPPORTUNITIES



**data is increasingly better,
more available and cheaper**

Growing availability of Earth Observation information

GLOBAL SCENE – NEW OPPORTUNITIES



Most of this data has already a geospatial component.

Meteorological sensors, Smart cities, sensors in automobiles

Growing availability of information from sensors and Internet of Things

GLOBAL SCENE – NEW OPPORTUNITIES

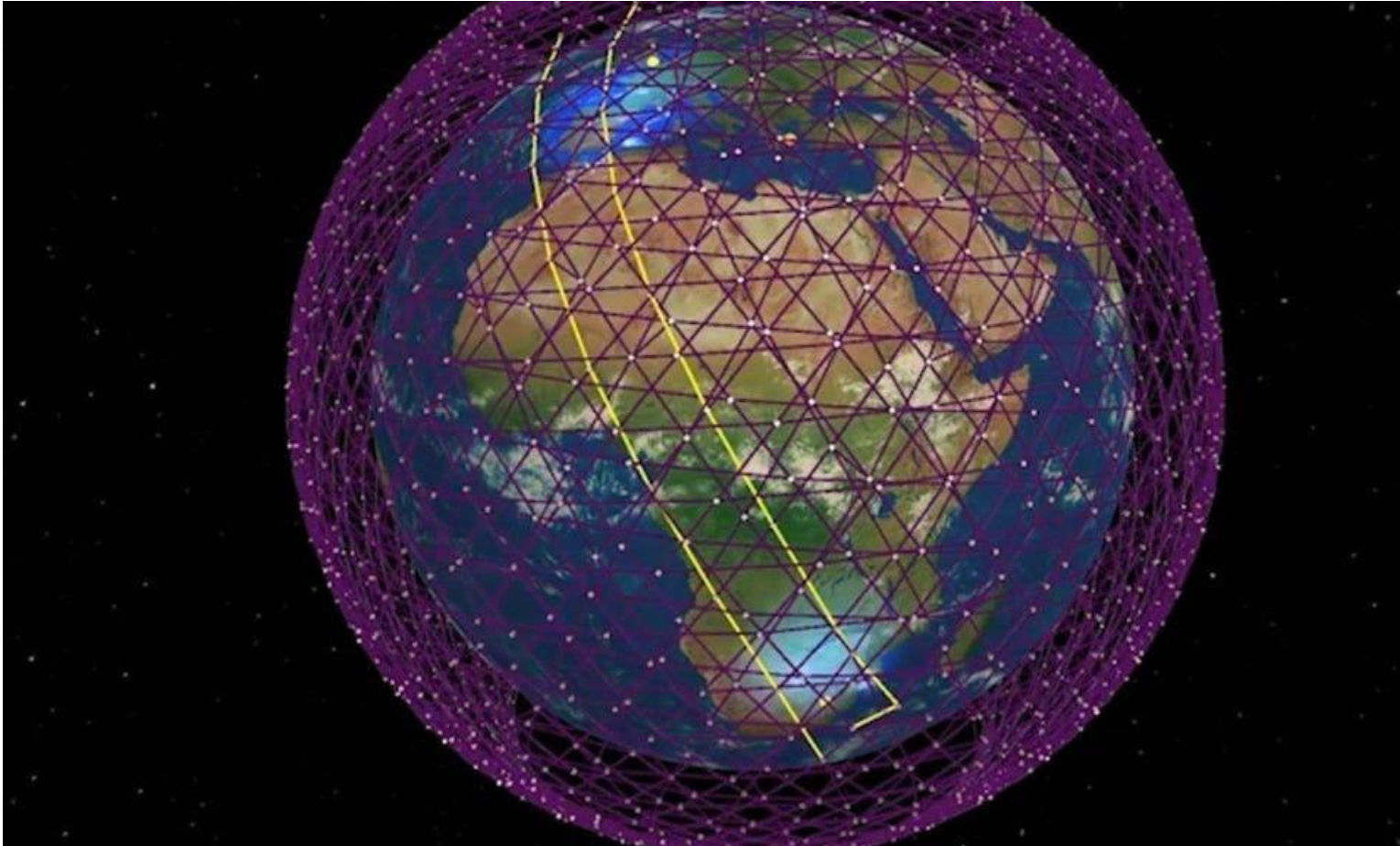


We can increasingly deal with big data and generate integrated information.

How can AI help in geostatistical integration?

Evolution of AI and increased ability to process information

GLOBAL SCENE – NEW OPPORTUNITIES



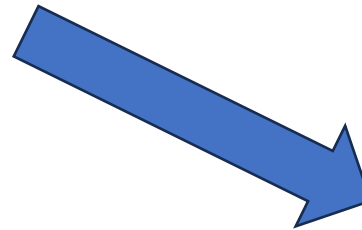
**New possibilities to create
geostatistical integrated
information.**

Global internet connection by satellite

GLOBAL SCENE – NEW OPPORTUNITIES



Do we need to improve our guidance about Administrative registers?



Physical Address: Select Address

Number	Street	Type	Direction	Apt.
890	Spring	Street	W	

City: Burnaby State: British Columbia Zip Code: 1159

Area: N/A County: N/A Country: N/A

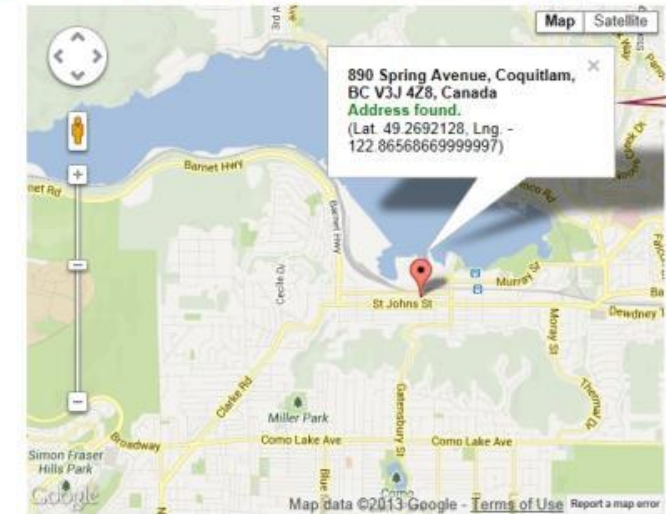
Geocodes: A Verify Address

Coordinates:

Active Calendar: N/A Planning Calendar: N/A

Address Validation for Merrill, Matt (11590426)

B View boundary: None Selected



Select the address to be saved:

- Keep the original address (890 Spring Street W, Burnaby, British Columbia 1159)
- Replace original with adjusted address (890 Spring Avenue, Coquitlam, BC V3J 4Z8, Canada)

Increasing availability of geocoded administrative registers

GLOBAL SCENE - NEW OPPORTUNITIES



Statistical and Geospatial (Geographic?) literacy in an integrated way.



GIST

Welcome to the website of the Global Network of Institutions for Statistical Training

About

The range and depth of data demands emerging out of the 2030 Agenda and the Sustainable Development Goals (SDGs) is unprecedented, and meeting them requires strengthening countries' statistical capacities. Training is key in strengthening statistical capacities.

Global Network of Institutions for Statistical Training (**GIST**) is a network of international and regional training institutions, working together build sustainable statistical capacities through efficient, effective, and harmonized delivery of training.

[Read More +](#)

Newsletter NEW



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GLOBAL NETWORK OF INSTITUTIONS FOR STATISTICAL TRAINING (GIST)

United Nations Department of Economic and Social Affairs, Statistics Division

IN THIS ISSUE:

- Message from the Chair
- Interview on the International Day of Statistical Literacy
- Interview with the Translation Group lead
- 9th Annual Meeting
- Updated GIST website

MESSAGE FROM THE CHAIR

by Elena Proden, GIST Chair

This Newsletter is a great opportunity for the GIST community to celebrate a very vibrant period. The impact of the Network's activities has rapidly expanded to more countries. Many GIST members have been taking the lead on different initiatives. As the Chair, I find that outreach and partner engagement are the most important indicators of the Network's success.

The work on helping National Statistical Offices assess their training needs has attracted a lot of interest. On 15th May 2024, at the 2024 World Data Forum, GIST has committed to supporting 10 countries with STAT, including at least 5 with national institutional training plans by mid-2026.

[Browse more newsletters +](#)

Goal

The Goal of the GIST is to build sustainable capacities in countries through efficient, effective, and harmonized delivery of training at global and regional levels that will enable production and use of quality data and statistics including monitoring and implementation of SDGs.

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Complexity in governance: bigger number of producers and interactions

Needs of Integrated Information Governance (statistical and Geospatial)

QUESTIONS FOR DISCUSSION



- What will be the role of integrated statistical and geospatial information in society in the next decade? What are the gaps?
- What are the keys that allow the integration of statistical and geospatial information?

Ex : address registry, single registration of people, integrated Governance, minimal set of common Geographies, etc.

QUESTIONS FOR DISCUSSION



- What are the possible skills for information producers and users?
geostatistical information ?
- What are the risks involved in the strategies to be developed for the future?
EX: Rapid changes in current technologies, leading to unpredictability

QUESTIONS FOR DISCUSSION



- What are the main GAPS of the current EG-ISGI strategy?
- What does EG-ISGI need to offer to support member countries?

POSSIBLE ACTIONS OF EG-ISGI



- Continue updating GSGF?
- Focus on guidance to improve institutional arrangements that enable geostatistical integration?
- Work towards the inclusion of geographic literacy inside statistical literacy initiatives, like GIST (Global Network of Institutions for Statistical Training)?
- Highlight the importance of Administrative registers in a production of Integrated geostatistical information?

POSSIBLE ACTIONS OF EG-ISGI

- Complete the internalization of the GSGF in the various functional groups of the Statistics Commission

Agenda Items	occurrence number	Agenda Items	occurrence number
Item 3 (c): Data and indicators for the 2030 Agenda for Sustainable Development	24	Item 4 (e): International statistical classifications	0
Item 3 (d): Data science	24	Item 4 (f): Open data	3
Item 3 (e): Governance statistics	0	Item 5 (a): Demographic statistics	41
Item 3 (f): National accounts	0	Item 5 (b): Disability statistics	0
Item 3 (g): Economic statistics	0	Item 5 (c): Ageing-related statistics and age-disaggregated data	0
Item 3 (h): Environmental-economic accounting	3	Item 5 (d): Health statistics	20
Item 3 (i): Agricultural and rural statistics	27	Item 5 (e): Service statistics	0
Item 3 (j): Social statistics	110	Item 5 (f): International Comparison Programme	0
Item 3 (k): Gender statistics	40	Item 5 (g): Information and communications technology statistics	1
Item 3 (l): Population and housing censuses	10	Item 5 (h): Business registers	4
Item 3 (m): Regional statistical development	5	Item 5 (i): Integration of statistical and geospatial information	167
Item 4 (a): Tourism statistics	31	Item 5 (j): Data stewardship	0
Item 4 (b): Business and trade statistics	241	Item 5 (k): Coordination of statistical programmes	0
Item 4 (c): Data and indicators for the 2030 Agenda for Sustainable Development	46	Item 5 (l): Follow-up to the policy decisions of the General Assembly and the Economic and Social Council	19
Item 4 (d): Climate change statistics	1		

POSSIBLE ACTIONS OF EG-ISGI



- Identify actions and players of the United Nations and multilateral organizations that can collaborate with the agenda for the integration of statistical and geospatial information, such as the Global Digital Compact Initiative?

POSSIBLE ACTIONS OF EG-ISGI



- Produce documents for **decision makers**, showing the benefits of Geostatistical Integration, inspired in the report “Hidden Risk: How to weaknesses in global geodesy to supply current it could to have catastrophic impacts he critical infrastructure and national economies “?
- Develop recommendations on a core set of common geographies to Principle 3?

Thank you very much!