

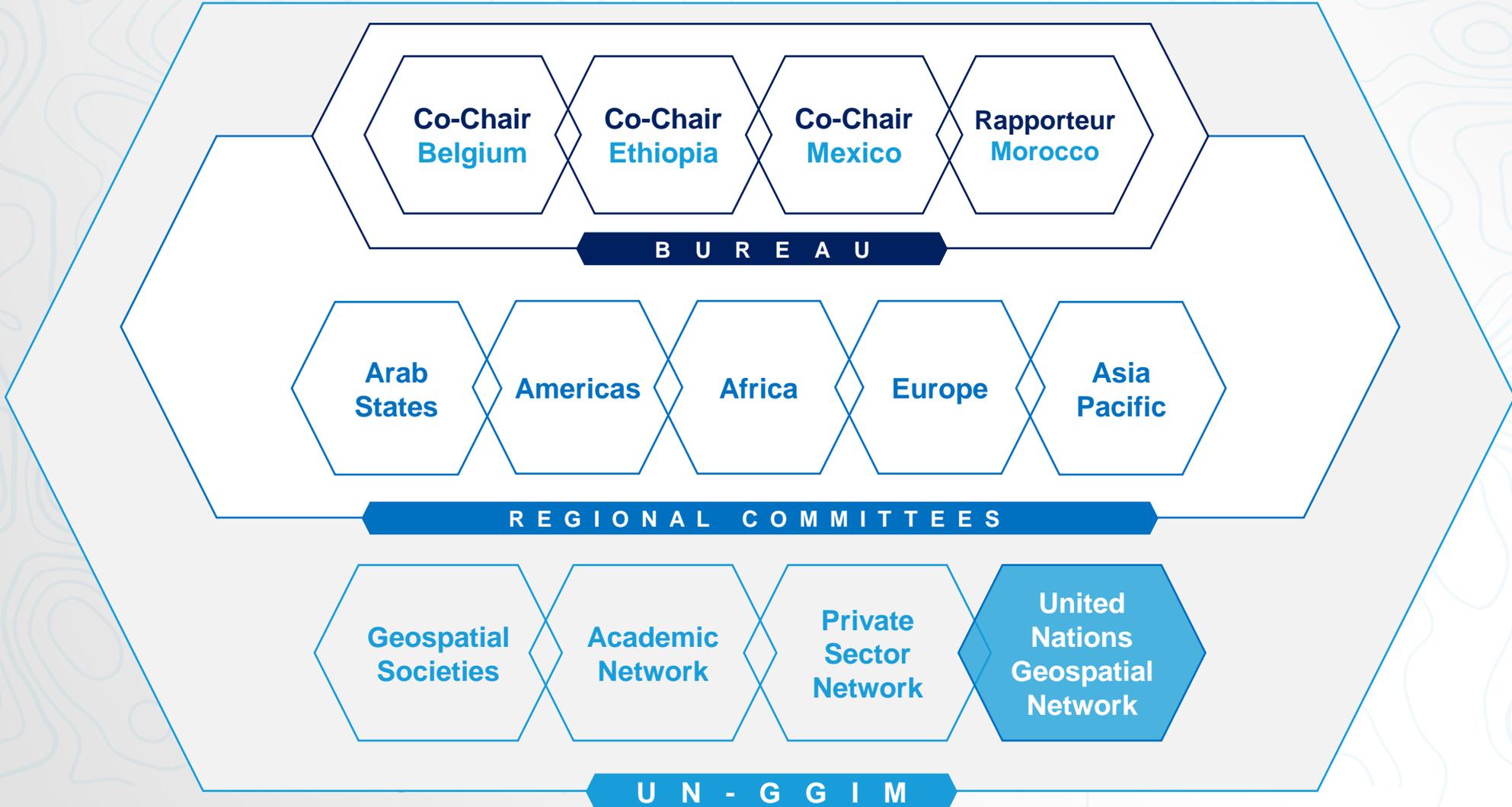


UN GEOSPATIAL NETWORK

UNITED NATIONS COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

Strengthening the Coherence and Coordination of
Global Geospatial Information Management
across the UN System

OUR ROLE IN UN-GGIM ARCHITECTURE



MEMBERS ACROSS THE UN SYSTEM



UNGN STRUCTURE

CHAIR



Alexandre Caldas
UN Environment, UNEP

VICE CHAIRS

Amélie A. Gagnon
UNESCO



Ravi Shankar
WHO



STEERING GROUP



REPORTING PROCEDURE

Reports to UN-GGIM at annual session including the reports and background documents coordinated by the Steering Group of the Network.



UN GEOSPATIAL NETWORK HISTORY

Seventh Session Committee of Experts

2-4 AUGUST 2017,
NEW YORK

...agreed to establish a United Nations system network within its global architecture

decision 7/115

2017

Eighth Session Committee of Experts

1-3 AUGUST 2018,
NEW YORK

...endorsed the Terms of Reference of the Network and its governance

decision 8/115

2018

Ninth Session Committee of Experts

7-9 AUGUST 2019,
NEW YORK

...endorsed the Steering Group, the work programme and renaming of the Network to the “United Nations Geospatial Network”

decision 9/115

2019

Tenth Session Committee of Experts

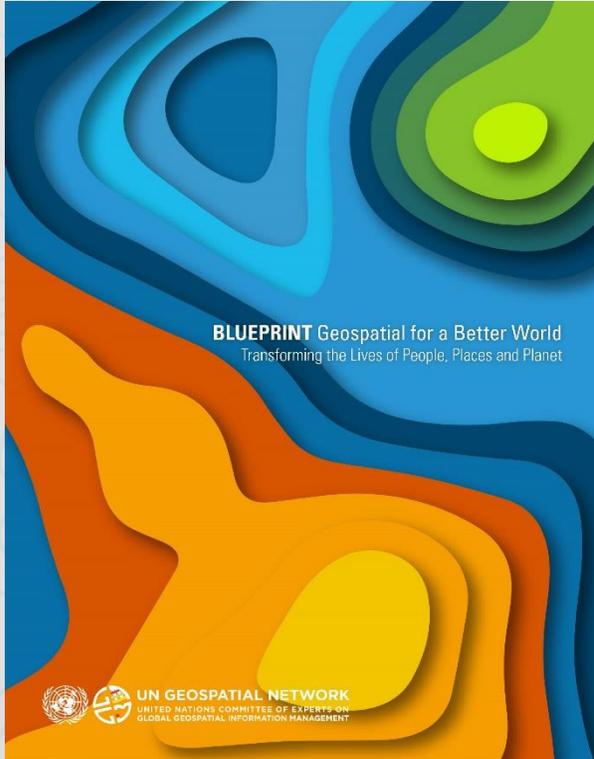
5-7 AUGUST 2020,
NEW YORK

...commended work on the preparation and completion of the **Blueprint**, strategic design document and a review of the geospatial landscape in the United Nations

decision 10/102

2020

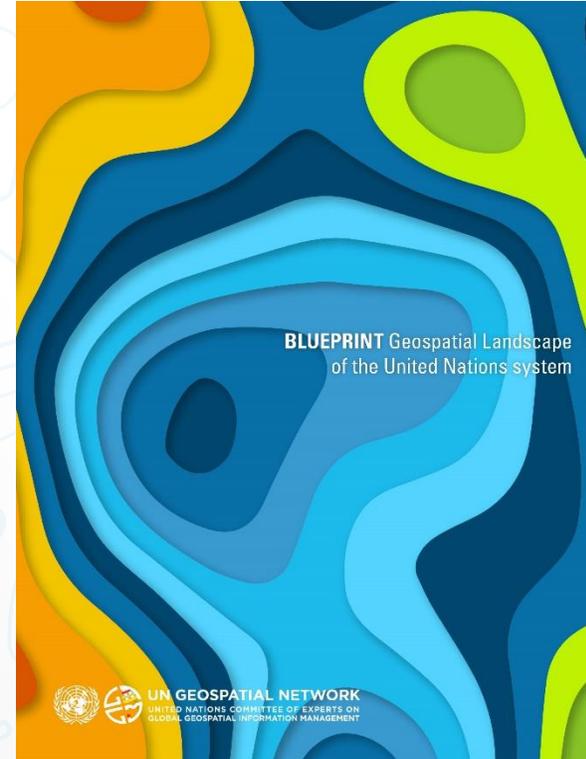
UNGN STRATEGY: THE BLUEPRINT



BLUEPRINT

Strategic framework, orientations, design and upcoming activities of the Network (2020)

[link](#)



BLUEPRINT LANDSCAPE

Overview of current geospatial capacities and representatives in the UN system (2020)

[link](#)

UN GEOSPATIAL NETWORK HISTORY

The UN Geospatial Network is building upon the experiences of past coordination efforts of the United Nations Geographic Information Working Group (UNGIWG), 2000 - 2016

Eleventh Session **Committee of Experts**

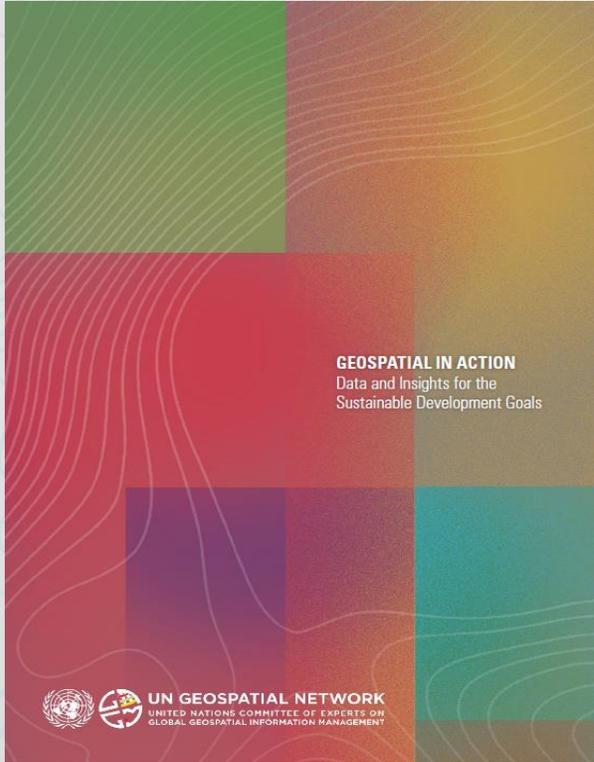
23, 24, 27 AUGUST 2021
NEW YORK

...noted the accomplishments of the UN Geospatial Network, recognized [...] the strengthened partnerships and communication among stakeholders and the three [publications] prepared

decision 11/102

2021

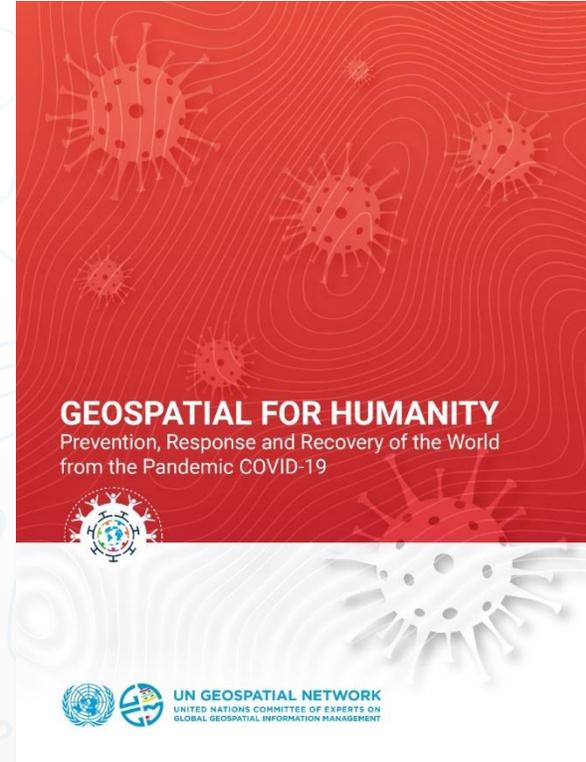
PUBLICATIONS IN 2021



GEOSPATIAL IN ACTION

Geospatial for the SDGs: data and insights for the SDGs by the UN system (2021)

[link](#)

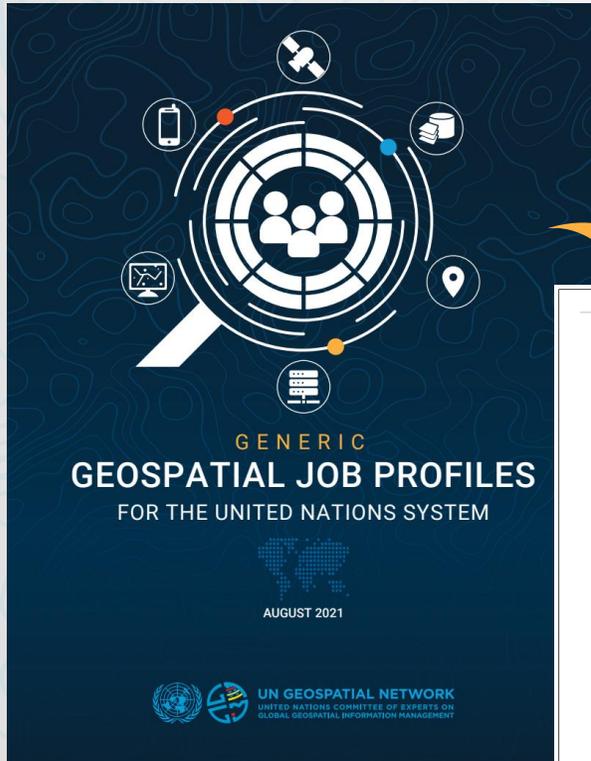


GEOSPATIAL FOR HUMANITY

Geospatial for prevention, response & recovery from COVID19 by the UN system (2021)

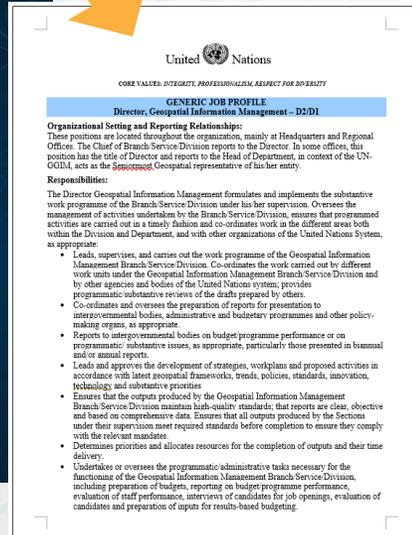
[link](#)

PUBLICATIONS IN 2021



GENERIC JOB DESCRIPTION

Generic geospatial jobs for:
Director
Senior professionals
Professionals
Assistants
approved by OHRM
(2021)



[link](#)

Used for job openings for
the Centres of Excellence
of UN-GGIM

UN GEOSPATIAL NETWORK

Eleventh Session Committee of Experts

23, 24, 27 AUGUST 2021
NEW YORK

...noted the accomplishments of the UN Geospatial Network, recognized its [...] the strengthened partnerships and communication among stakeholders and the three [publications] prepared
decision 11/102

Twelfth Session Committee of Experts

3-5 AUGUST 2022
NEW YORK

...welcomed the Data Strategy of the Secretary-General [...] and the initiative of the United Nations Geospatial Network **to build its geospatial component**

decision 12/104

Thirteenth Session Committee of Experts

2-4 AUGUST 2023
NEW YORK

...*upcoming*

2021

2022

2023

OBJECTIVES, SEE TERMS OF REFERENCE



Strengthen **coordination, collaboration and sharing** mechanisms on geospatial information within the United Nations system



Increase **communication and awareness** to senior management of the relevance of geospatial information and its management



Promote the **availability and accessibility of coordinated geospatial** to support Member States and United Nations mandates



Promote the use and **relevance of geospatial information for Member States and the United Nations for better decision-making**



Support the **mandates, aims and objectives of UN-GGIM**

AWARENESS ON GEOSPATIAL

GEOTALKS



Every month, a short **GeoTalks** sessions to increase the awareness on the use and contribution of geospatial data in the United Nations System

UN MAPS CONFERENCE, VALENCIA



Community engagement

Consultations & agreements

High level engagement



BUILDING THE ONE UN GEOSPATIAL SITUATION ROOM, NAIROBI

MAJOR ENDEAVOUR: DELIVERING AS ONE

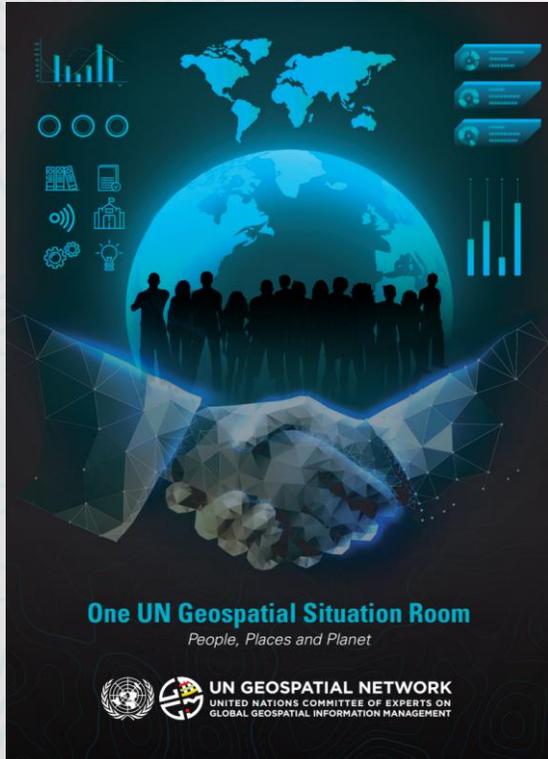
BUILDING THE ONE UN GEOSPATIAL SITUATION ROOM, NAIROBI

- Organize itself around nexus approach to ensure cross-cutting and added value approach across the five pillars of the United Nations;
- Leverage the power of Geolocated data for supporting decision-making and action, and further bring to bear its Priority Themes for added value services
- launch and maintain collectively the **One UN Geospatial Situation Room**, our collective Geospatial data hub platform for humanity.

UN MAPS CONFERENCE, VALENCIA

- ensure geospatial information is shared, interoperable, discoverable and actionable in the United Nations System to support Member States and our respective mandates, including the Sustainable Development Goals;
- organize itself with agreed data custodianship for the development of a governance model on geospatial information management, in accordance with existing mandates and responsibilities as decided upon by the UN Geospatial Network, and its One UN Geospatial Situation Room
- leverage enabling data, services, analytics and infrastructure made available through the **United Nations Maps**

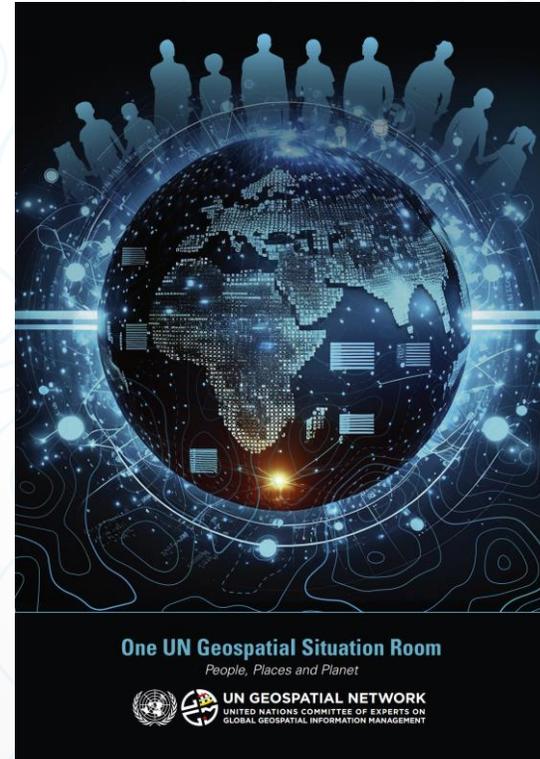
MAJOR ENDEAVOUR: DELIVERING AS ONE



ONE UN GEOSPATIAL SITUATION ROOM 1.0

Delivering Geospatial
data and information
as One
(2022)

[link](#)



ONE UN GEOSPATIAL SITUATION ROOM 2.0

Delivering Geospatial
data and information
as One
(2023)

upcoming

OBJECTIVES, SEE TERMS OF REFERENCE



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THE BLUEPRINT: TRANSFORMATION PATHWAYS

1 STRATEGY

The Blueprint

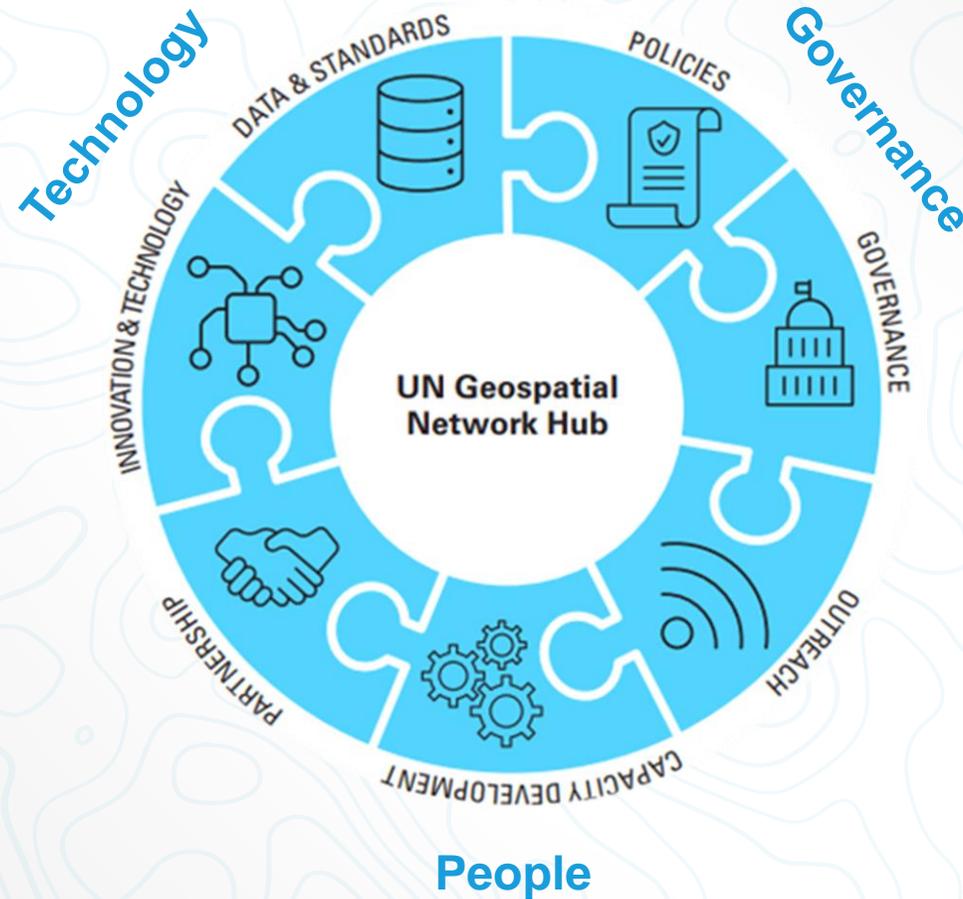
3 PRIORITIES

Governance, Technology & People

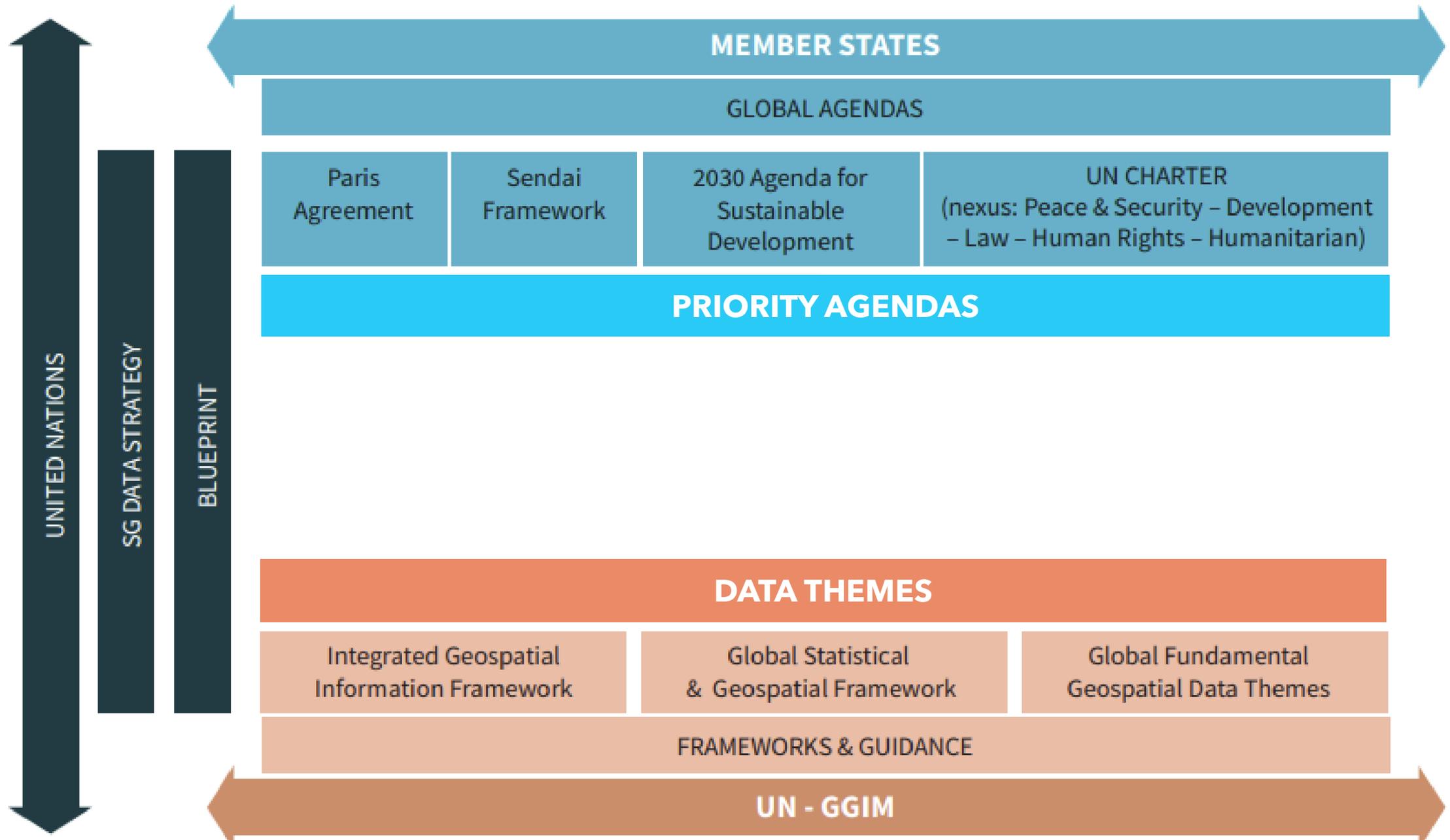
7 TRANSFORMATION PATHWAYS

Data & Standards Policies, Governance, Outreach, Capacity development, Partnership, Innovation & Technology,

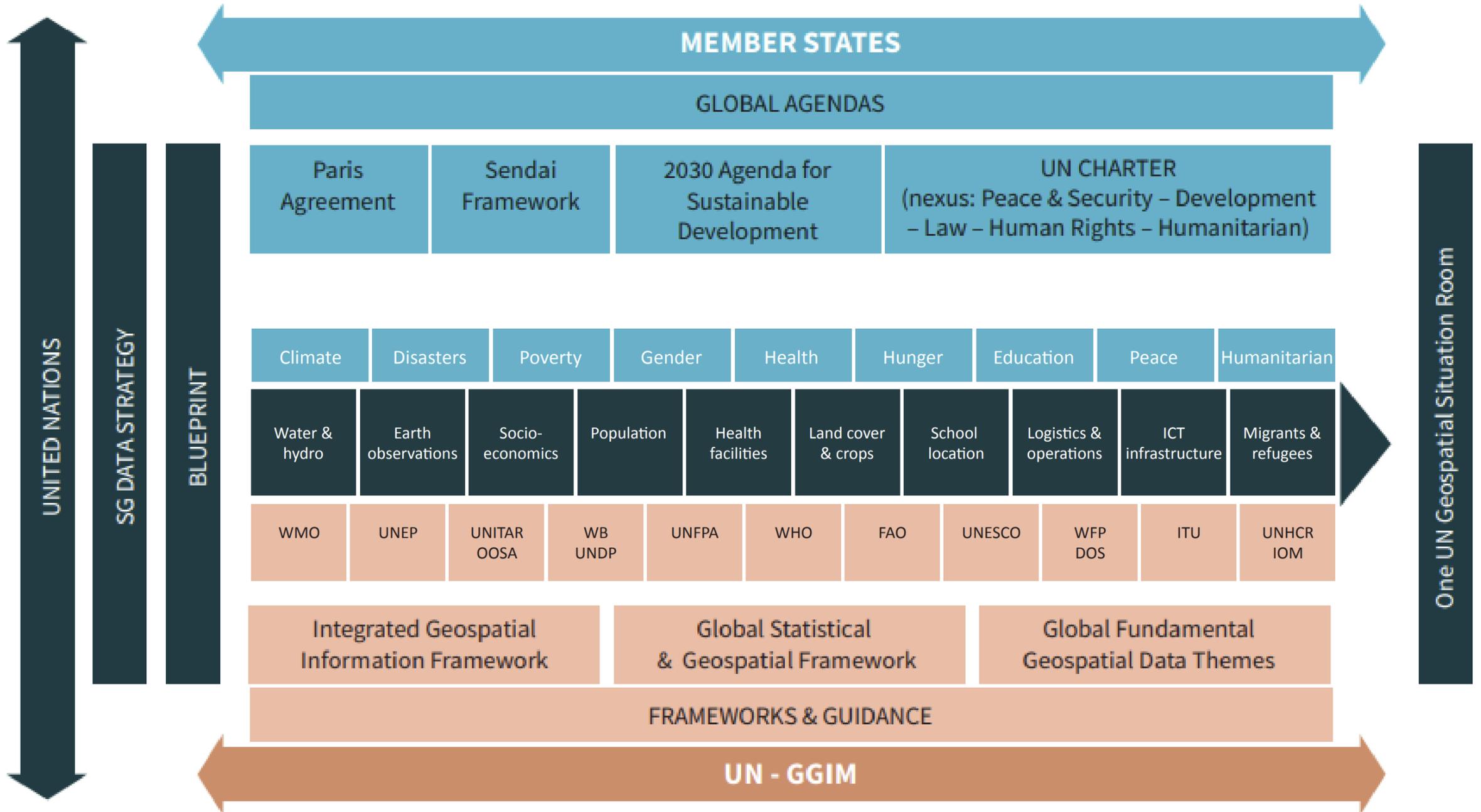
50 PROPOSED ACTIVITIES



High-level Architecture and Priorities

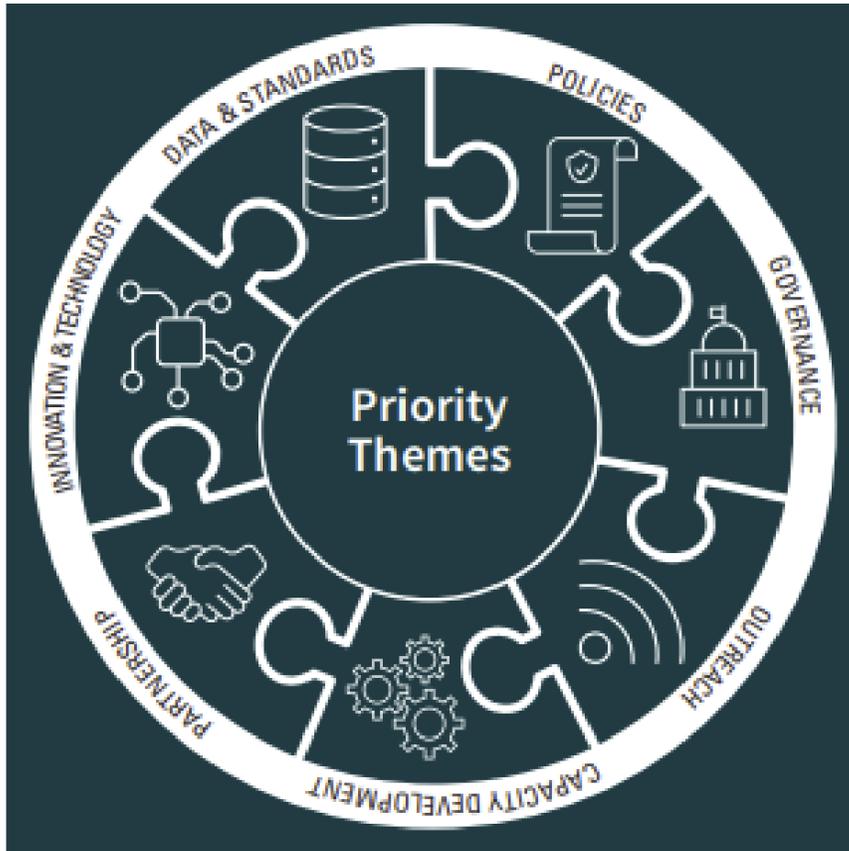


High-level Architecture and Priorities



MEMBER STATES

Global Agenda Priorities



UN Lead Agency(ies)

UN - GGIM

Nexus approach across UN Pillars

Human Rights

International
Rule of Law

Peace and
Security

Humanitarian

Development

One UN Geospatial Situation Room

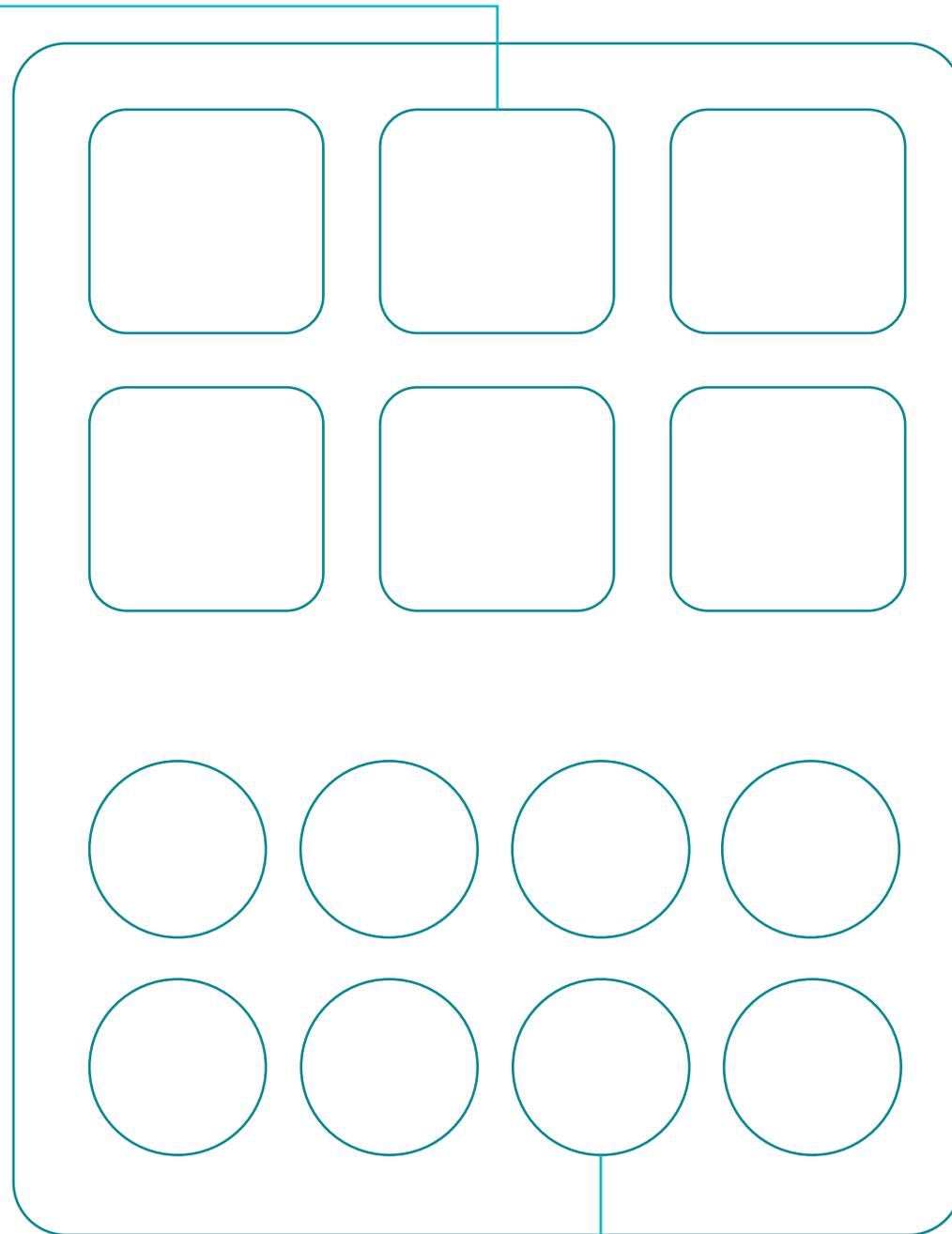
One UN Geospatial Situation Room

Strategic Foresight and Scenarios

- **Early Warning**
Economic and social foresight
Climate and drought risks
Health impact models
- **Operations and Crisis awareness**
Security and threats
Water scarcity and conflicts
Crisis management
- **Disasters**
Flooding and Agriculture threats
Environment impact assessment
Climate and education impact
- **Humanitarian response**
Logistics and corridors
Economic refugees
Supply routes and operations
- **Sustainable development**
Universal connectivity and digital economy
Development and urban planning
Land degradation evaluation

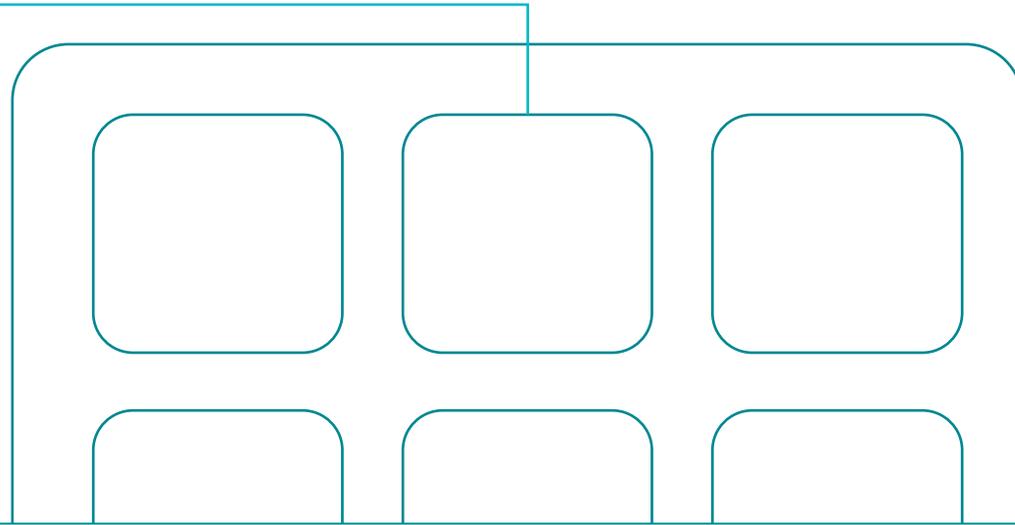
Strategic Foresight and Scenarios

Nexus apps
Easy access
for general users and
decision-makers



Priority themes and services
for advanced users and
details on data catalog

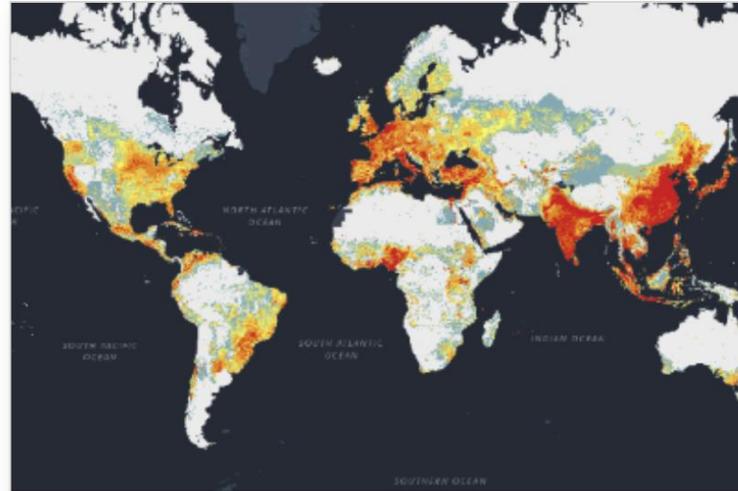
Nexus apps
Easy access
for general users and
decision-makers



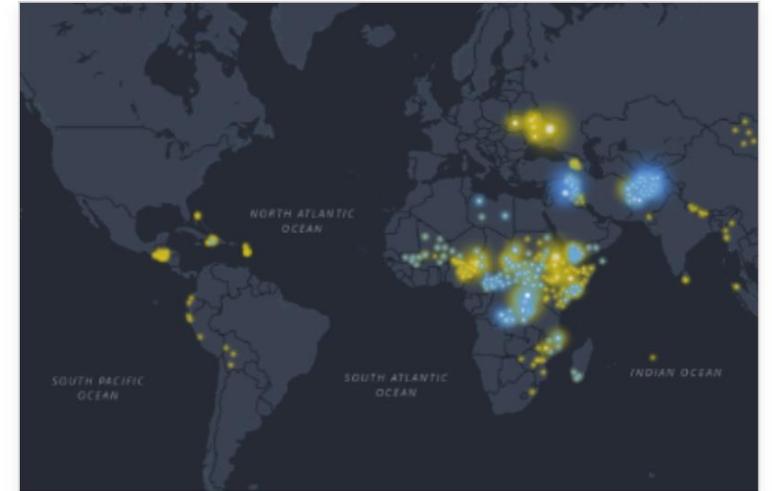
Nexus Apps



Universal Connectivity and Digital Economy



GDP Agriculture Estimates



Humanitarian and Logistics



Imagery and Earth Observations



Land Cover and Land Use



Educational Facilities and Planning



Health Facilities



Communication Infrastructure



The Environment

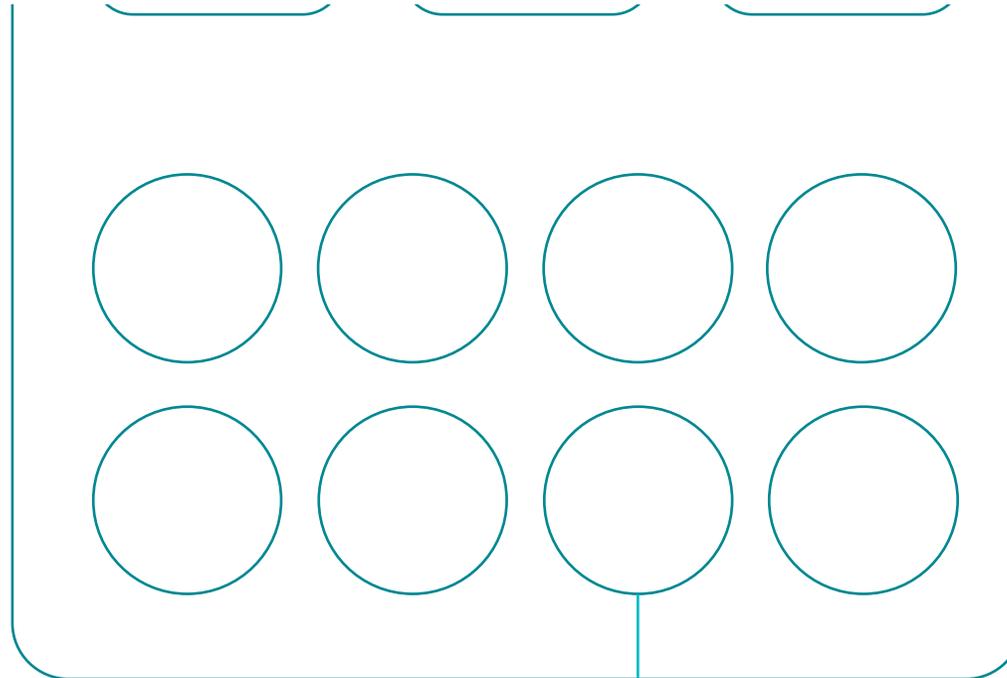


Socio-economic



Refugees, Migrants and IDPs

Current status



Priority themes and services
for advanced users and
details on data catalog



Global Geodetic Reference Frame



Geographical Names



Addresses



Functional Areas



Buildings and Settlements



Land Parcels



Transport Networks



Elevation and Depth



Population Distribution



Land Cover and Land Use



Geology and Soils



Physical Infrastructure

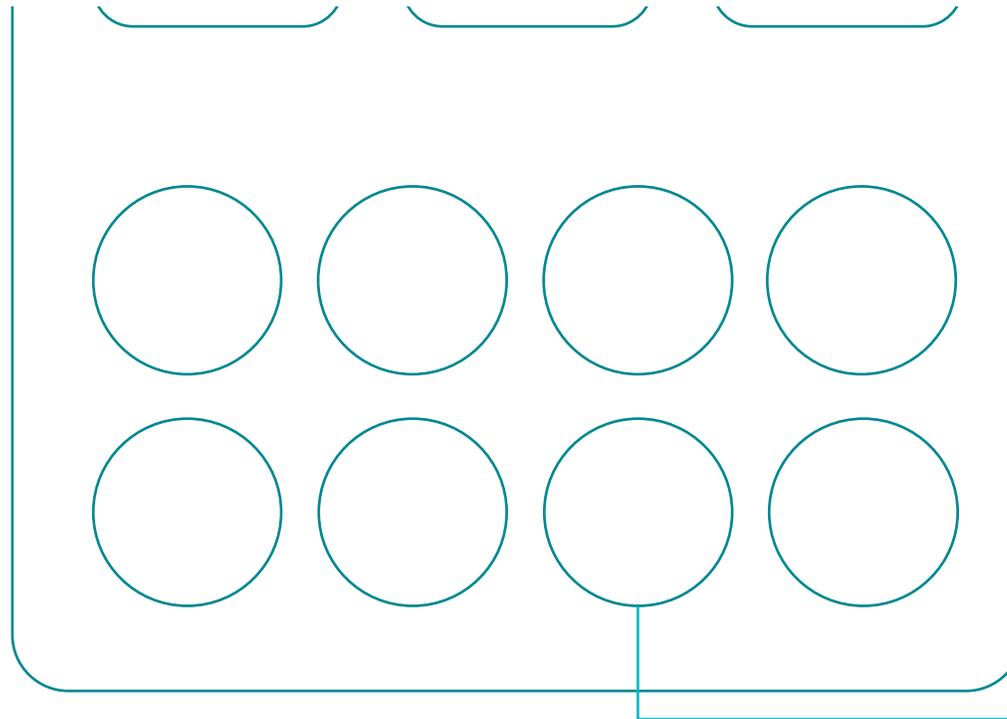


Water



Orthoimagery

**Concept 2.0 to re-organize
Priority data themes based on the
14 Fundamental Geospatial Data themes**



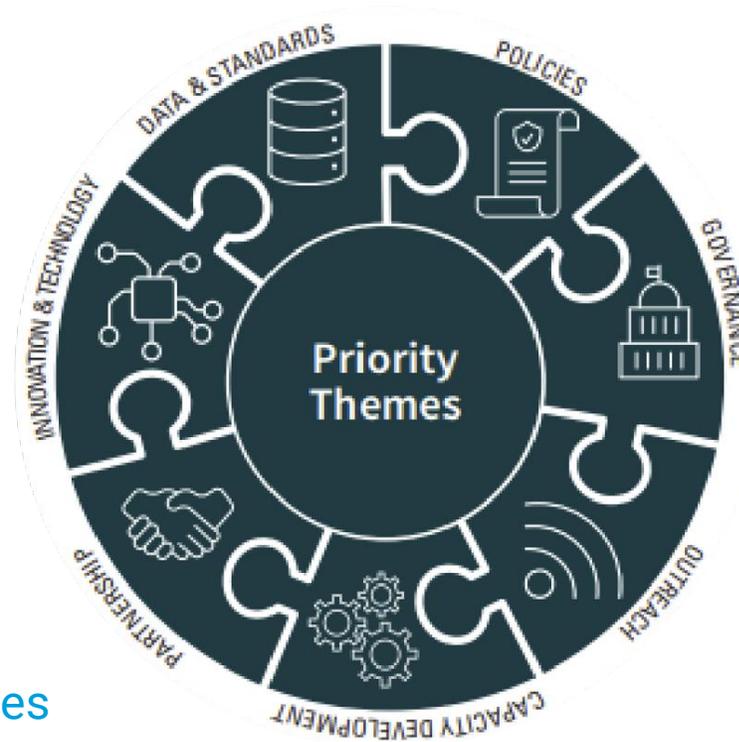
**Priority themes and services
for advanced users and
details on data catalog**

Priority Themes
Collaboration with standards org.

UN Mandates
UN Policies

Technology
Story maps

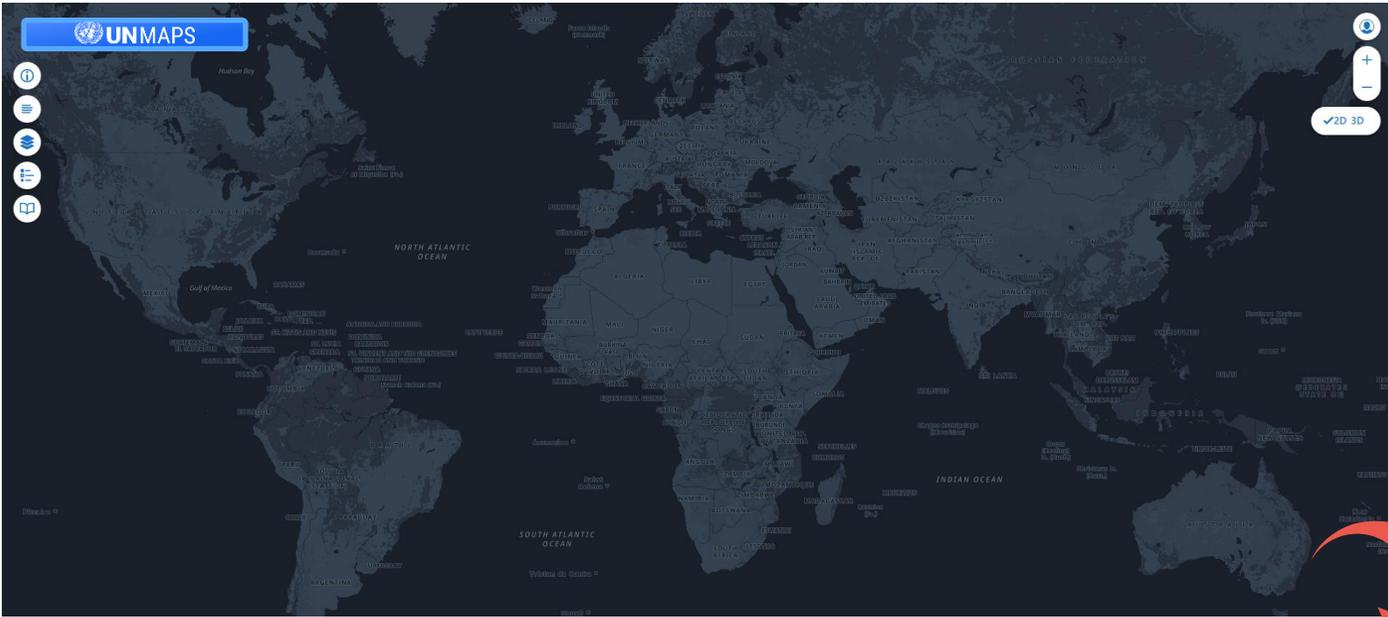
Custodians and data spokes



Member States
Regional Committees
Thematic Networks
others

Website
GeoTalks
Events

Workshops
In-country support



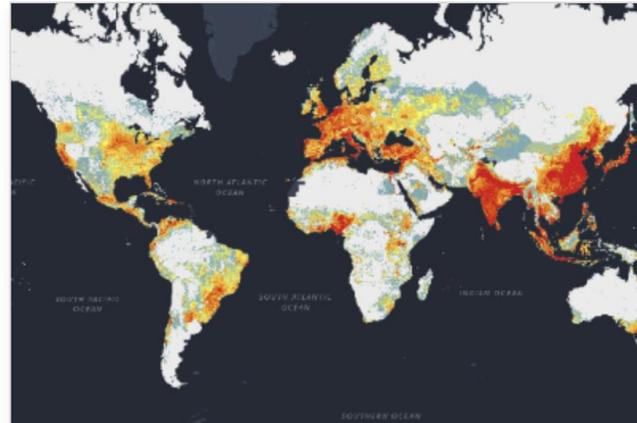
UN Maps enablement to

Nexus Apps

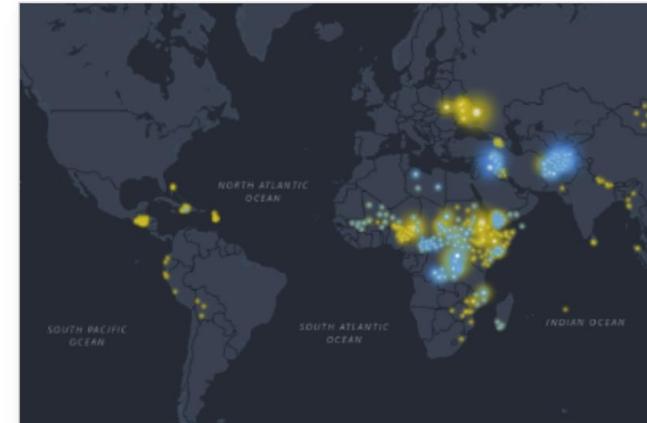
One UN Geospatial Situation Room



Universal Connectivity and Digital Economy



GDP Agriculture Estimates



Humanitarian and Logistics

UN Maps: services for UN mandates



In [the Security Council](#), it informs the **consultations and Panel of Experts** in the implementation of investigations and sanction measures



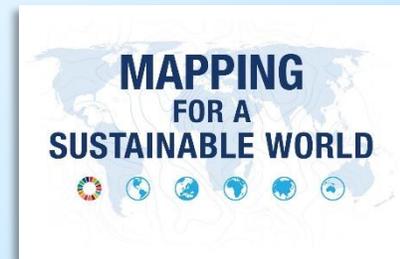
In [the Secretariat](#), it contributes to the **SG Data Strategy** in providing better data and tools for insights in moments that matter the most



In [Departments and Offices](#) it powers corporate systems, applications and websites to ensure the **consistent use of policies and representation** on maps

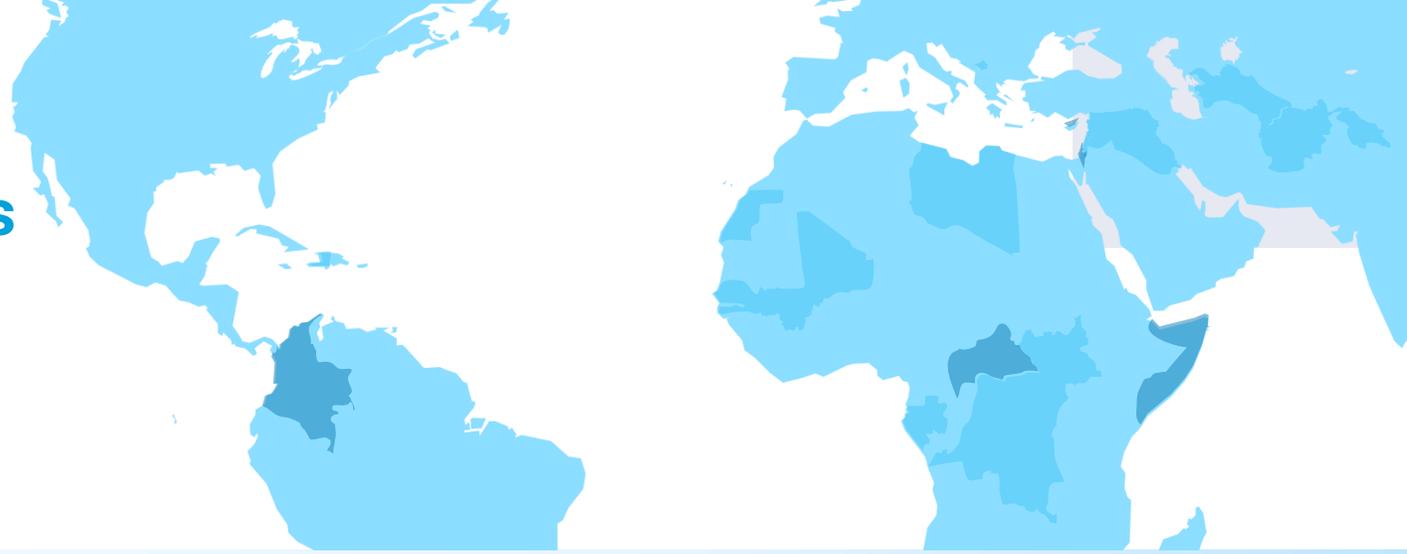


In [Agencies, Funds and Programs](#), the data and maps are used to identify priority areas and threats for sub-national **programs of the Organization**



In the [public](#), it enables the availability of official webmaps and geographic data to track progress including for **2030 Agenda**

UN Maps: services for operations



In the **Central African Republic** the **Unite Aware Maps** solutions enables informed **decision making** in the peace keeping operations



In **Cyprus** the **Buffer Zone Permit Management** helps **reducing the tension and confidence building** between Turkish and Greek Cypriots



In **Colombia** helps the **verification process of human rights** abuses against former combatants



In **Somalia** to **find** and sustain **water** resources for UN staff and **local communities**

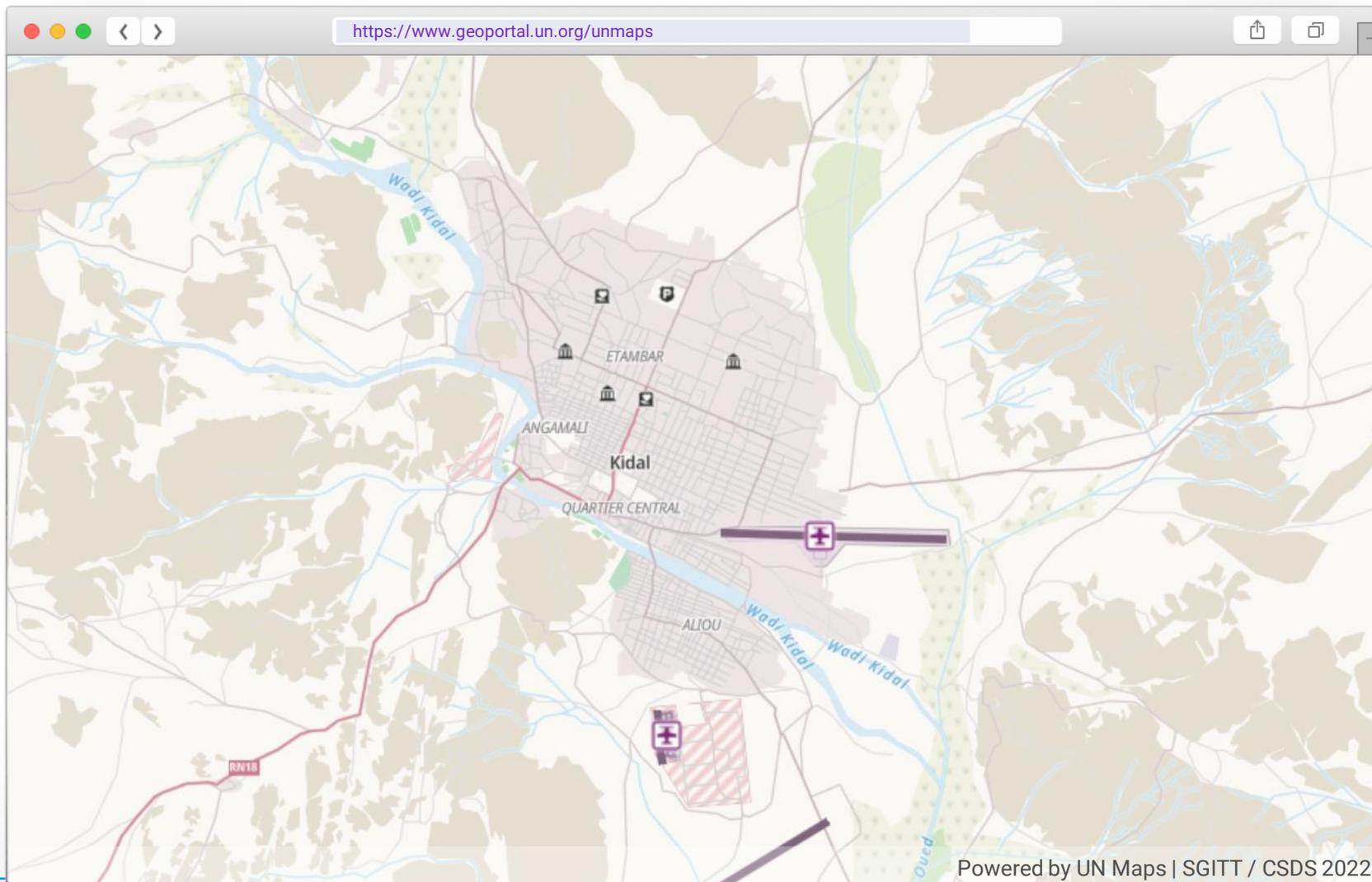


Managing the **environmental impact** of all field missions and responsibly managing **assets** and **resources**

UN Maps : Challenges

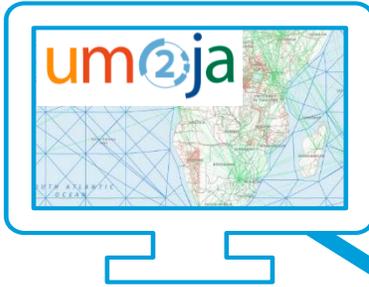
Operational
challenges

Kidal, Mali



UN Maps: Goals

Enterprise systems



Public website



Operations and Crisis Centre



UN | MAPS



In country operations



62.11 kilometers

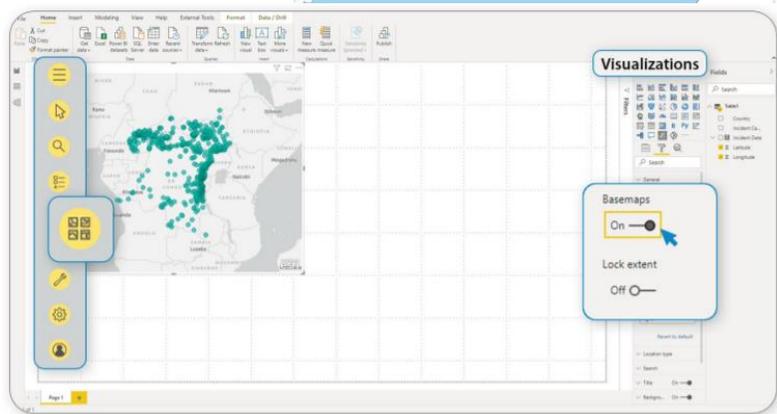


UN Maps: services

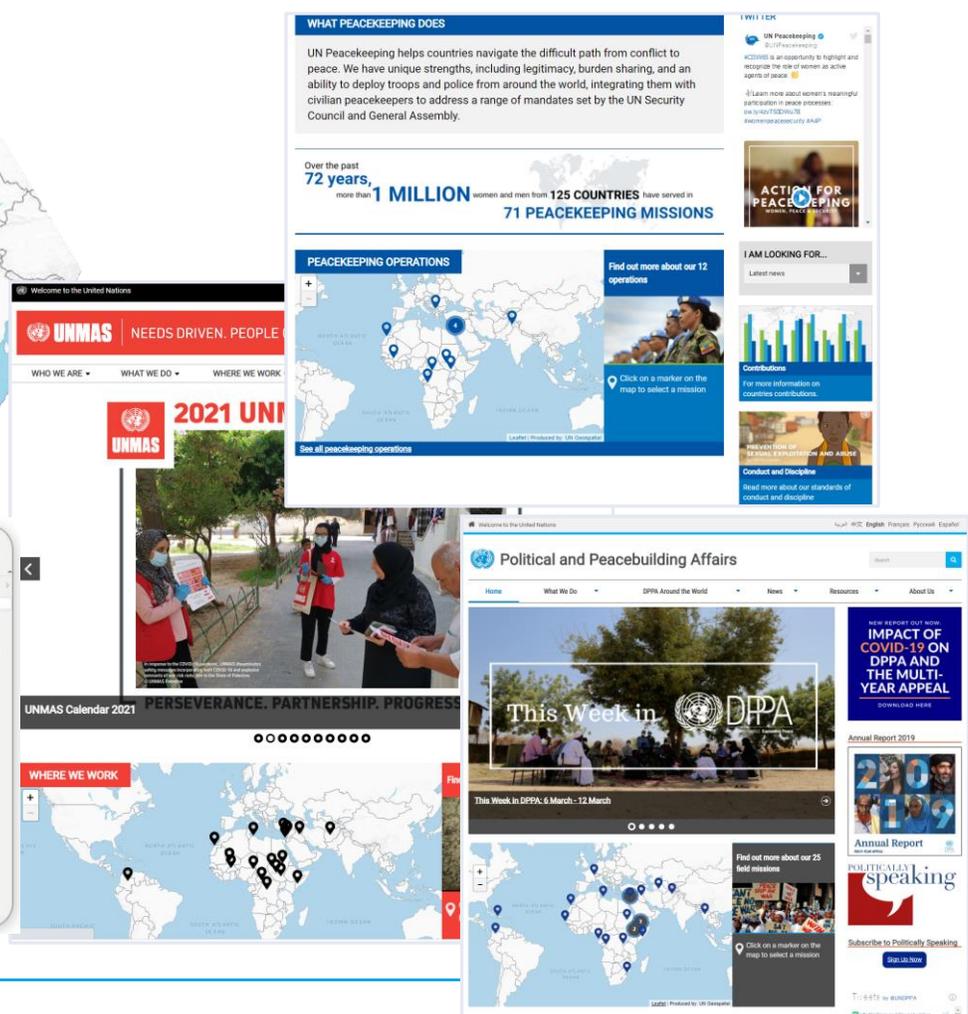
A webservice for...



Power BI

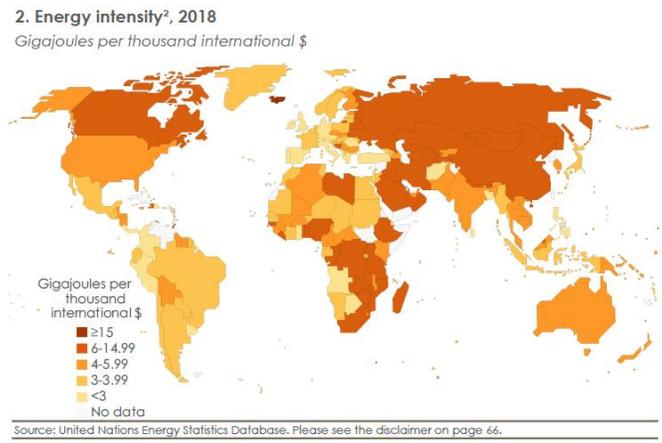


Websites

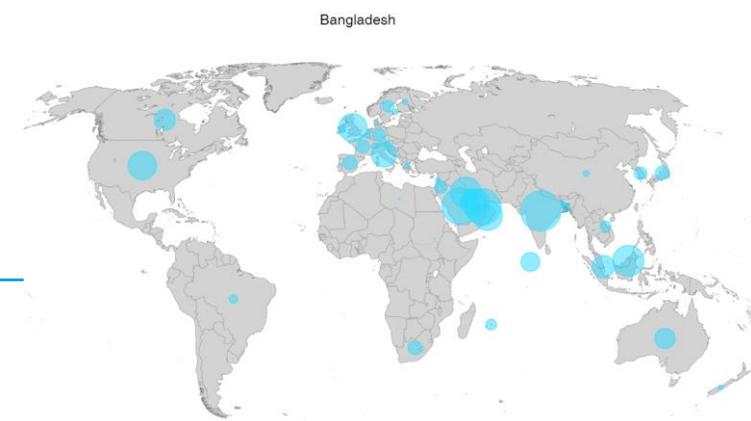


Data for clients

Energy Statistics Pocketbook (DESA Statistics)

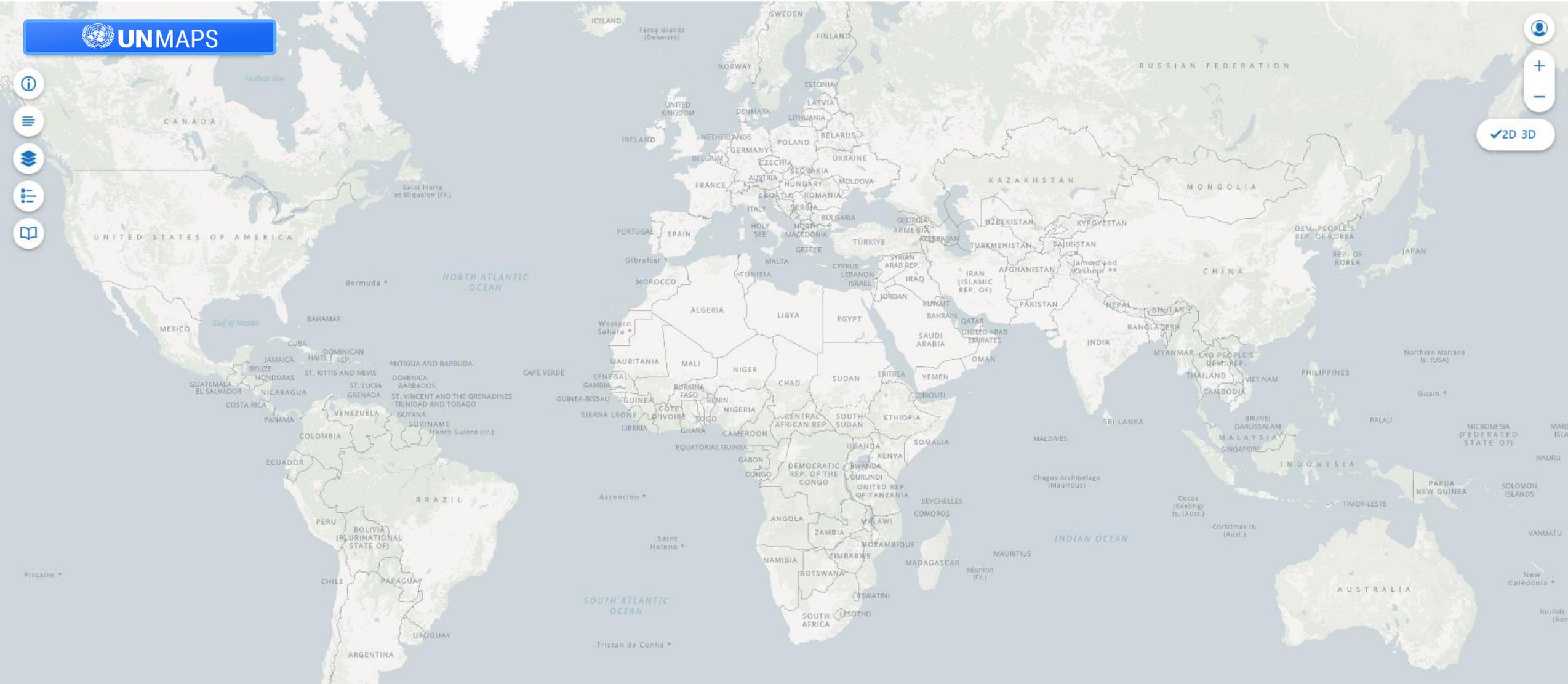


Diaspora (DESA Population Division)



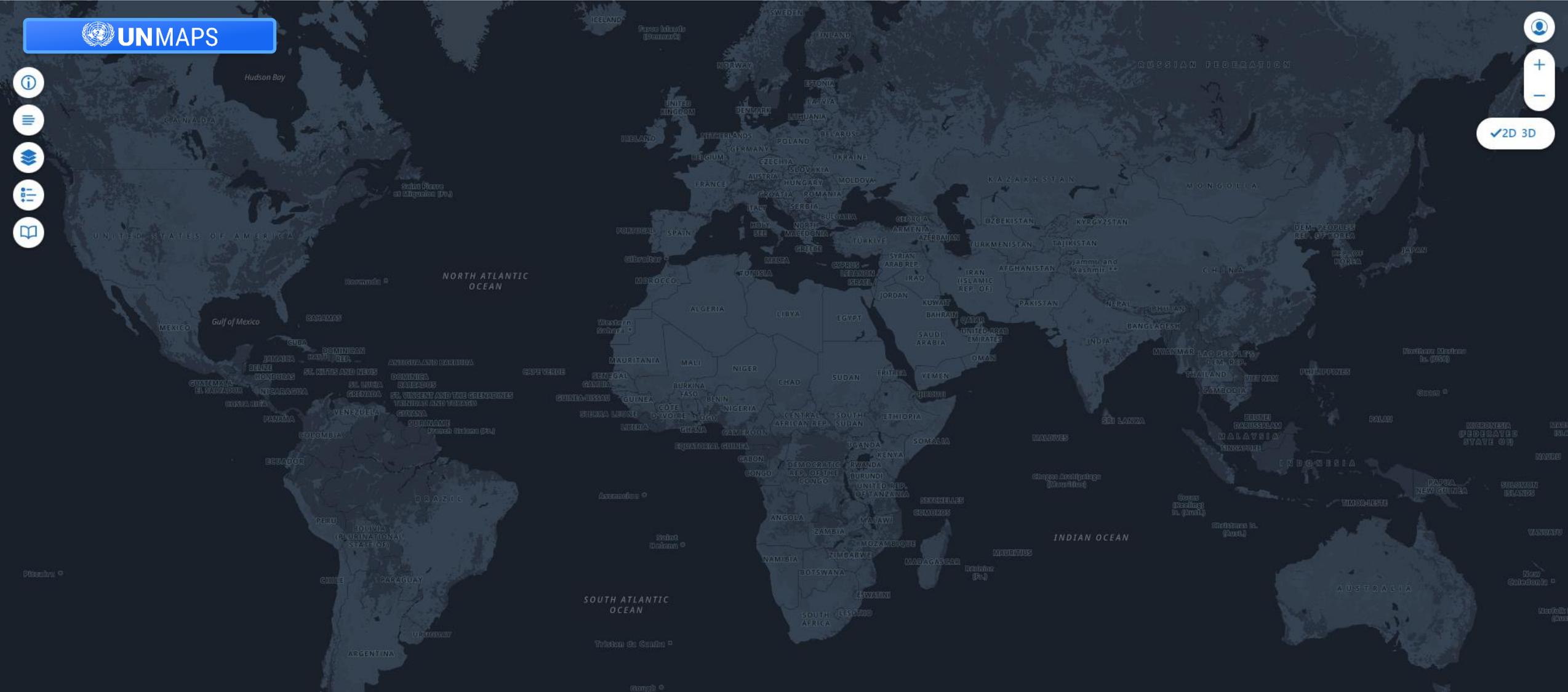
UN Maps: services flavours

Plain map – Standard background map with detailed information and global coverage, plain style



UN Maps: services flavours

Dark map – Standard background map with detailed information and global coverage, low brightness service



UN Maps: services flavours

Image map – Imagery from blue marble to higher resolution imagery

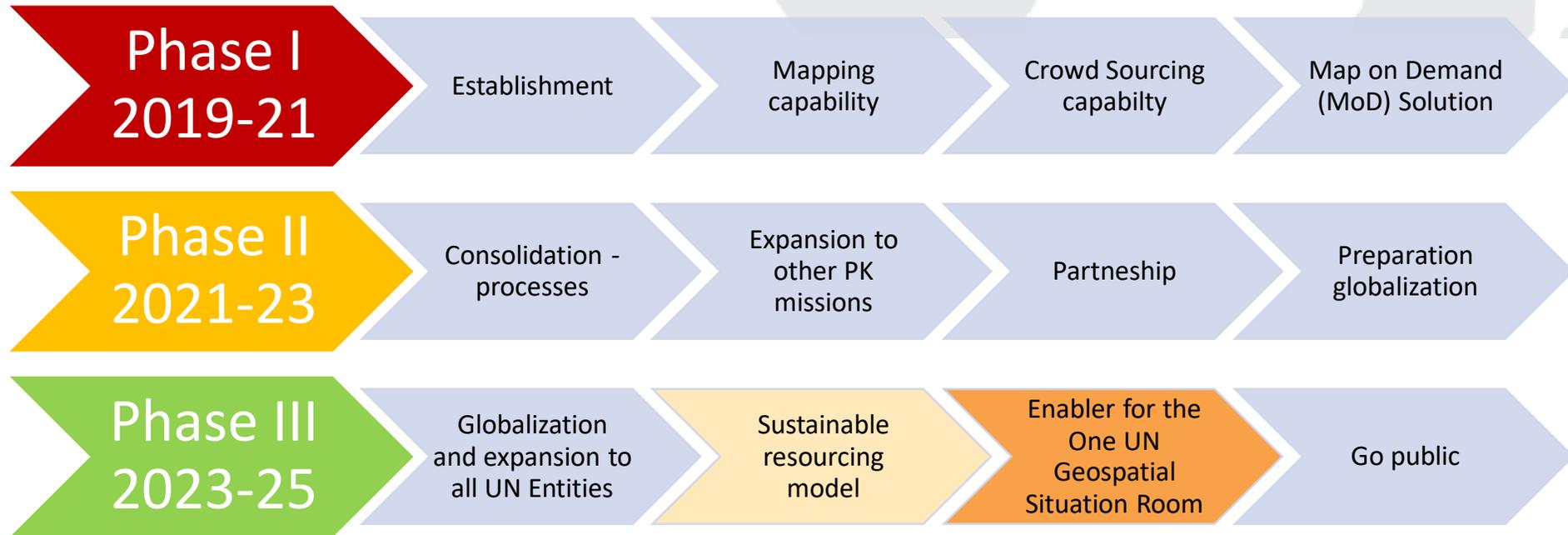


UN Maps: services flavours

Globe – 3D view of the maps



Roadmap – Supporting All UN Entities and the Public



OBJECTIVES, SEE TERMS OF REFERENCE



Strengthen **coordination, collaboration and sharing** mechanisms on geospatial information within the United Nations system



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Support the **mandates, aims and objectives of UN-GGIM**

COORDINATED CAPACITY DEVELOPMENT

Upcoming endeavour of the UN Geospatial Network to coordinate capacity development in line with the governance and mandates established in the One UN Geospatial Situation Room including the implementation of UN-GGIM frameworks and guidance, in particular IGIF



Open source
(UNGSC, Italy)



Emergency response
(UN SPIDER)



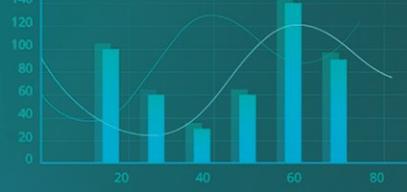
Census and Statistics
(UNFPA, West and Central Africa)



Geospatial actors workshop
(UNGIS, Mali)



Land cover and intervention areas
(FAO, Nepal)



One UN Geospatial Situation Room

<https://oneungeospatial-situationroom-ungis.hub.arcgis.com/>

Ensure the availability and accessibility of coordinated geospatial information and related systems to create quality, timely and reliable products and effective services to support Member States and United Nations mandates on local, national, regional and global issues, including the Sustainable Development Goals

<https://www.un.org/geospatialnetwork/>



UN GEOSPATIAL NETWORK
UNITED NATIONS COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

