



DEPARTMENT OF
**OPERATIONAL
SUPPORT**

United Nations
Global
Service Centre

UN MAPS

Mapping the World | Supporting Peace | Serving Humanity

Mr. Kais Zouabi

Chief Client Solutions Delivery

United Nations Global Service Centre

*Second United Nations World Geospatial Information Congress
Hyderabad, October 12th 2022*

Who we are

United Nations Global Service Centre (UNGSC)

UN Global Service Centre - Brindisi



UN Global Service Centre - Valencia



Major Services at UNGSC



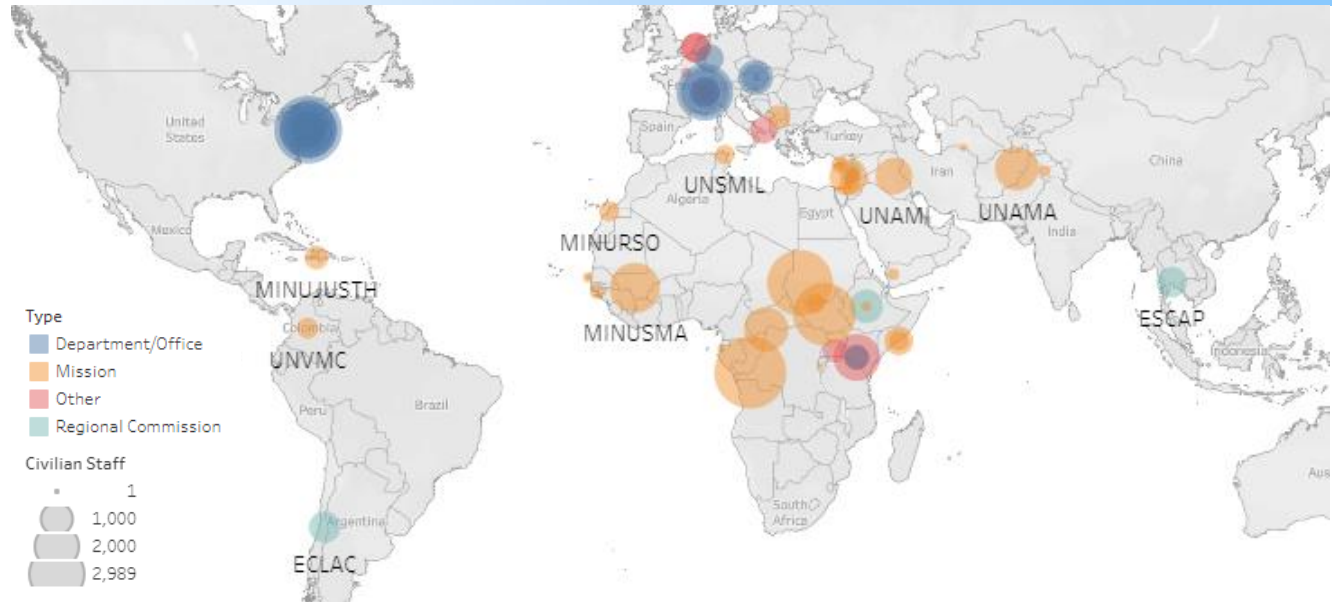
- **SCS**
Supply Chain Service

- **SGITT**
Service for Geospatial, Information and Telecommunications Technologies



- **CS**
Central Service
Trainings & Conferences

Clients of UNGSC



What we do

UNGSC / SGITT / Client Solutions Delivery Section (CSDS)

CSDS provides and supports corporate technology solutions for geospatial, information and innovative technologies to UN field missions, UNGSC, the Secretariat and AFP.

CSDS SERVICE CATALOGUE



UN MAPS



Geolmagery



GeoData



**Solutions &
Support**



UN Geoportal



**Innovative
Solutions**



**Topographic
Maps**



**GeoAnalytics
& Intelligence**



**Groundwater
Exploration & Monitoring**



**Sub-Surface
Exploration**



Training



**GIS Cloud
Workspace**

Our challenge

Special mission requires special maps

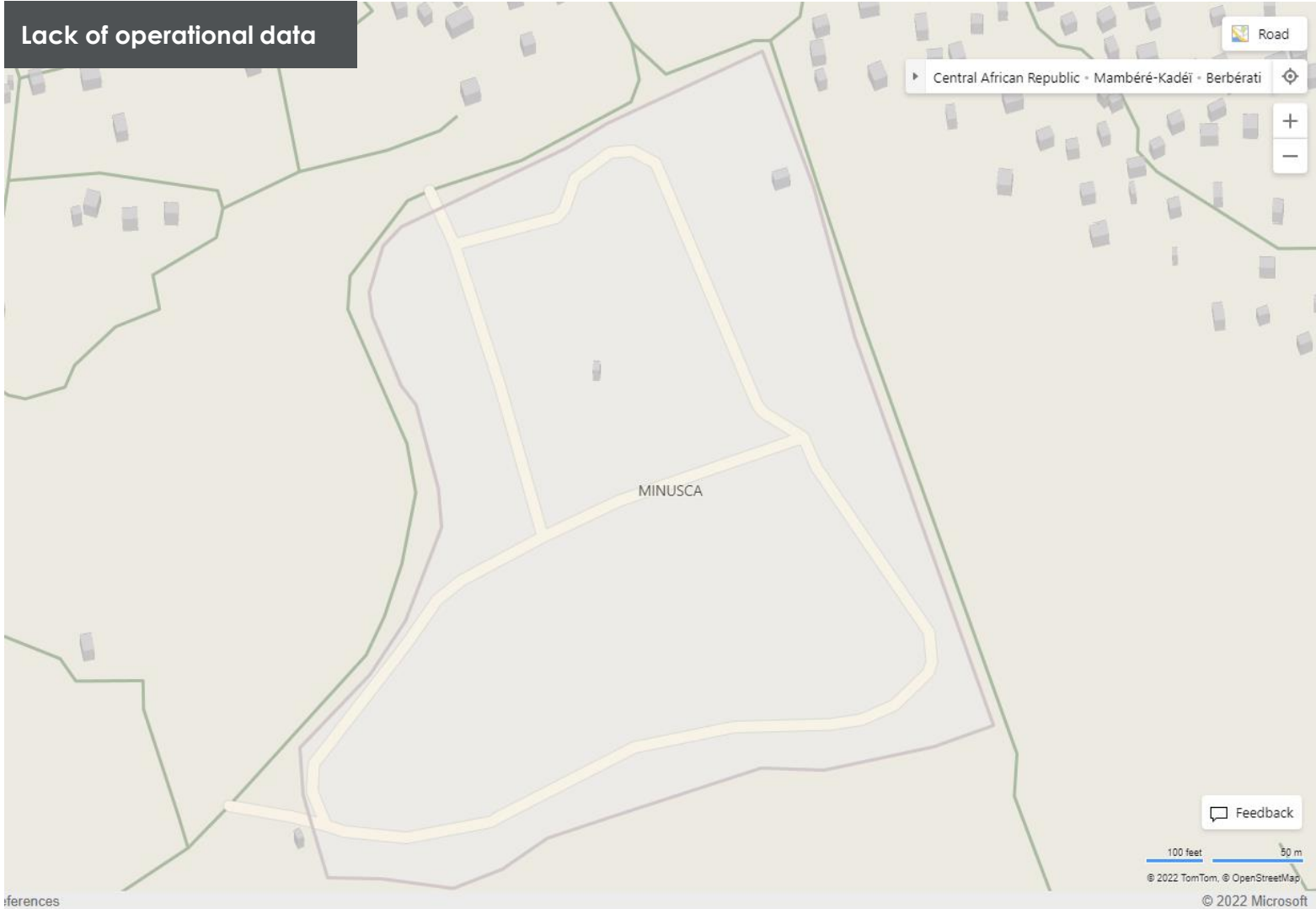
Lack of base/topographic data



Google

Our challenge

Special mission requires special maps



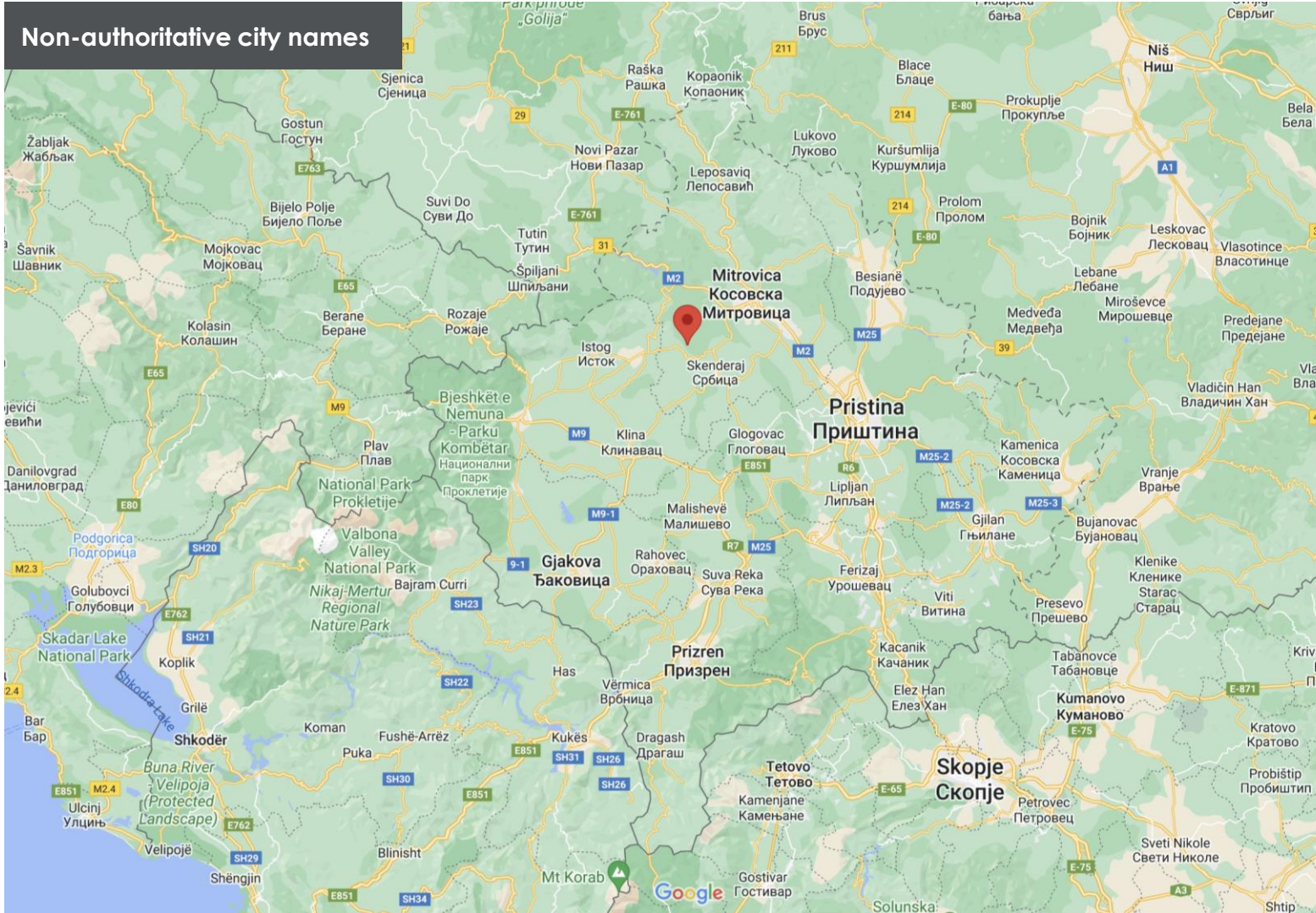
Our challenge

Special mission requires special maps



Our challenge

Special mission requires special maps



Our solution

Innovative collaboration for geospatial solutions

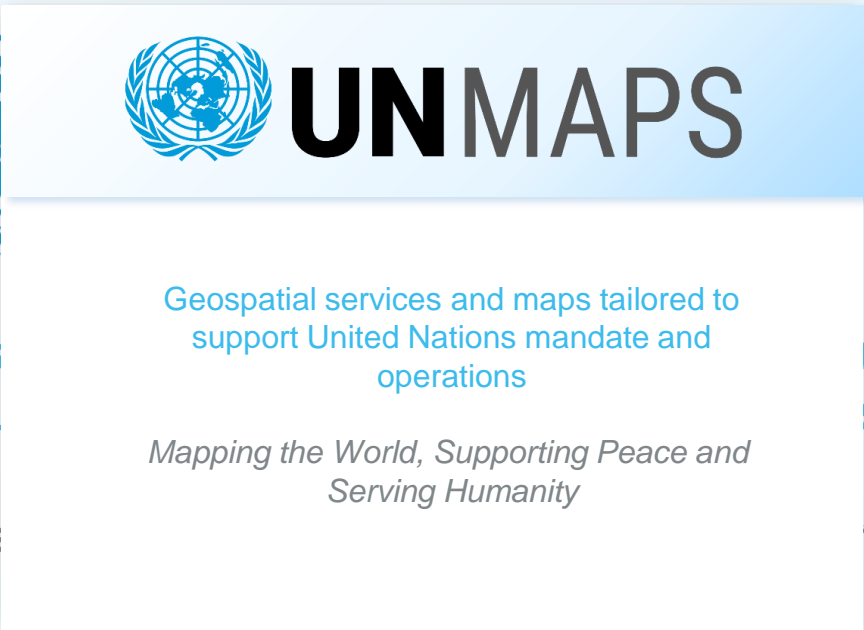
People



Technology



Open-source Commercial Hybrid Infrastructure



UNMAPS

Geospatial services and maps tailored to support United Nations mandate and operations

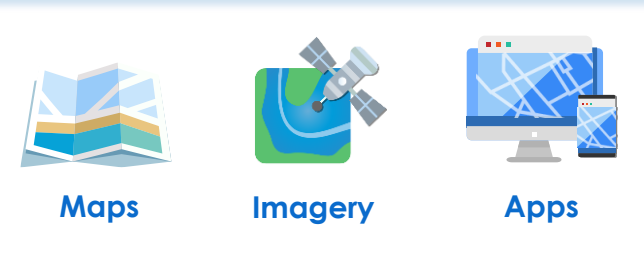
Mapping the World, Supporting Peace and Serving Humanity

Data

Open data
UN data
Commercial data
COGI, MOGI, TOPO



Services



Maps Imagery Apps

How we do it

UN Maps concept based on 3 pillars

In-house capacity



UN Geospatial

A group of **Geospatial Professionals** working across many **UN Offices** and **Field Missions** providing services for **decision-making** and **operational** support as well as **in-house mapping** capacity.

Crowdsourcing



UN Mappers

A thriving and diverse **community** of mapping enthusiasts working together to **create** and **update topographic data** for **UN missions** in support of peacebuilding and humanitarian activities.

UN & Open Data



UN GeoData



Open GeoData

Leveraging **OpenStreetMap** data complemented by **UN base** and **operational** data to power comprehensive geospatial products and services.

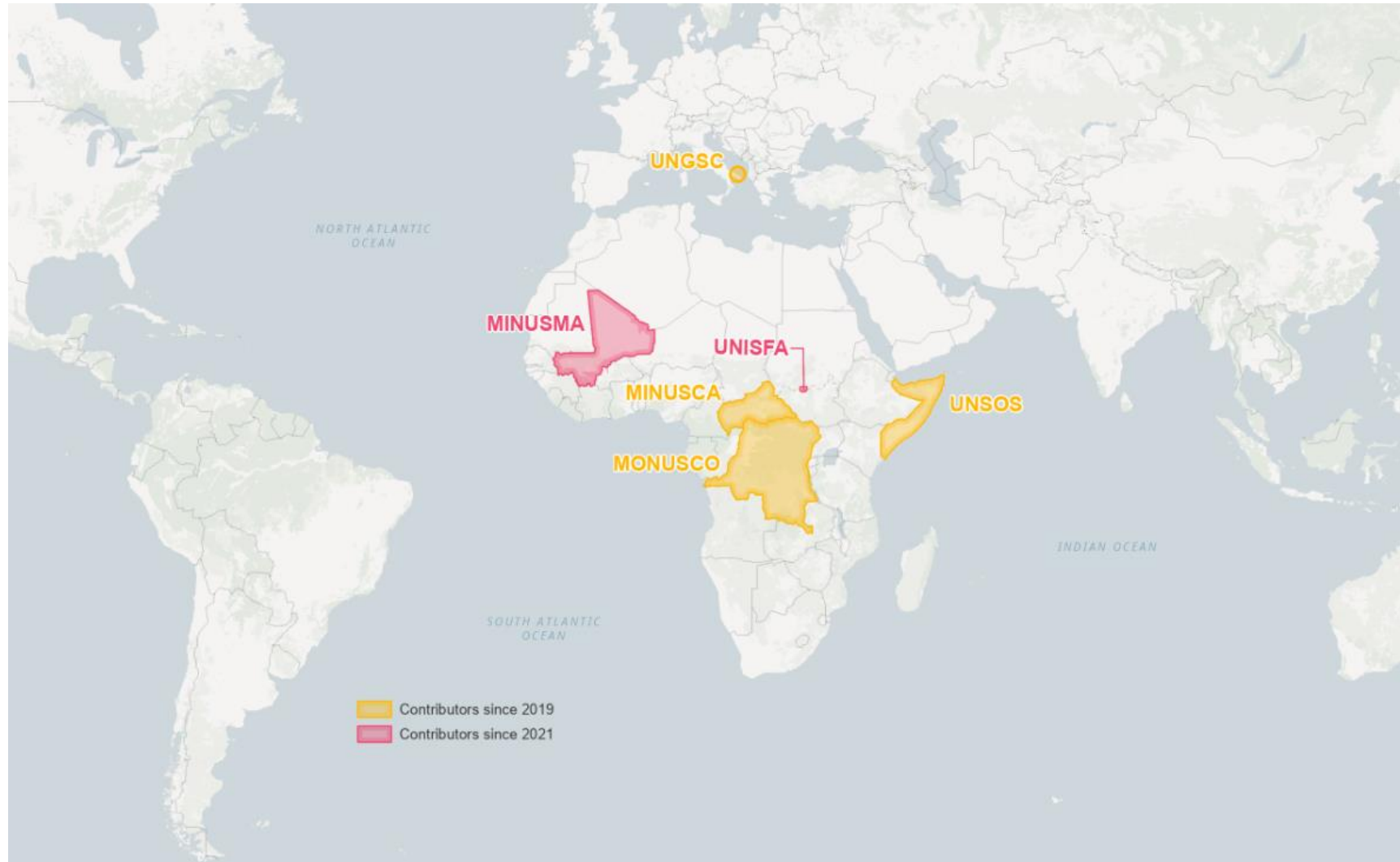
In-house capacity

Funded open mapping projects and operational data management



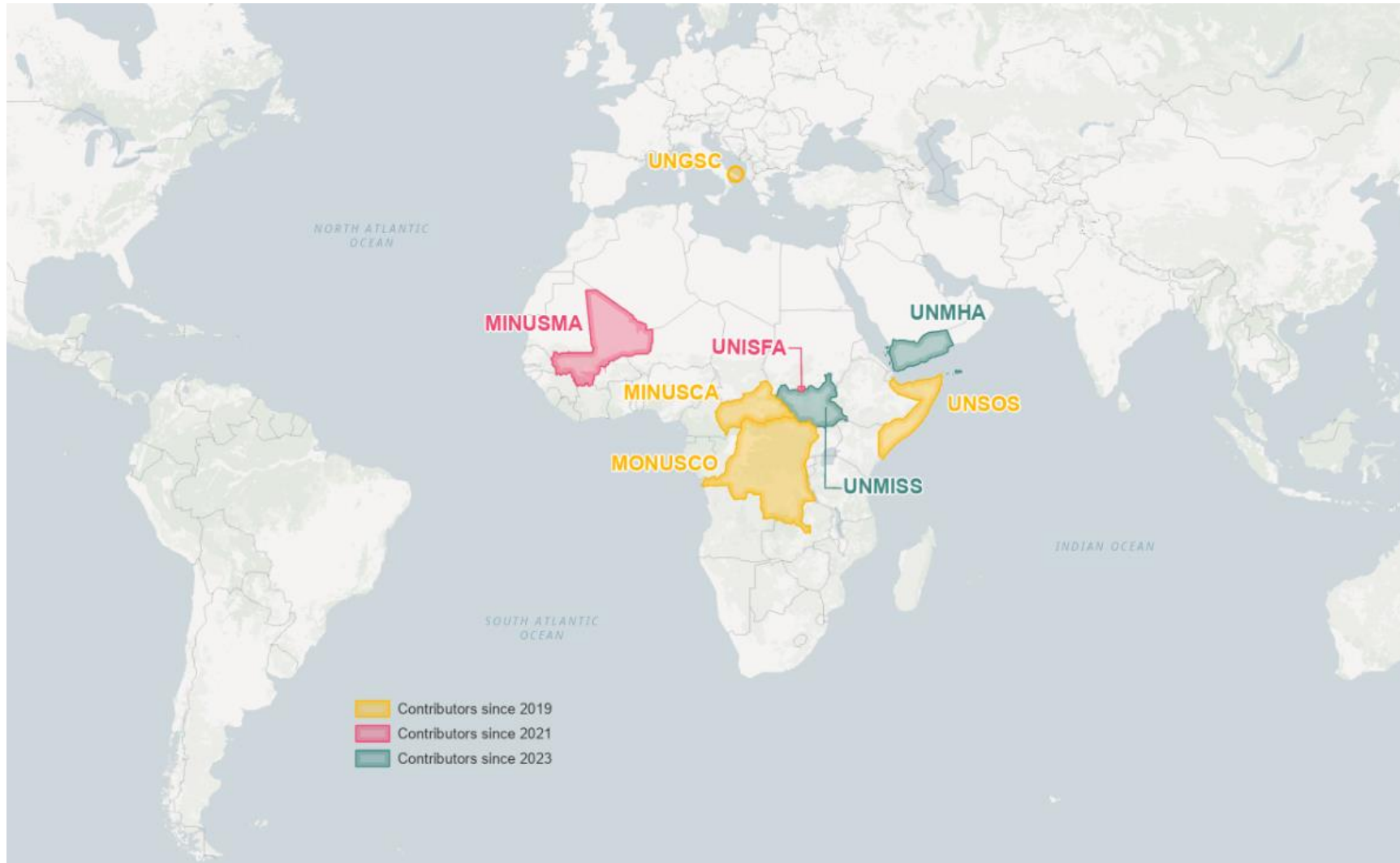
In-house capacity

Funded open mapping projects and operational data management



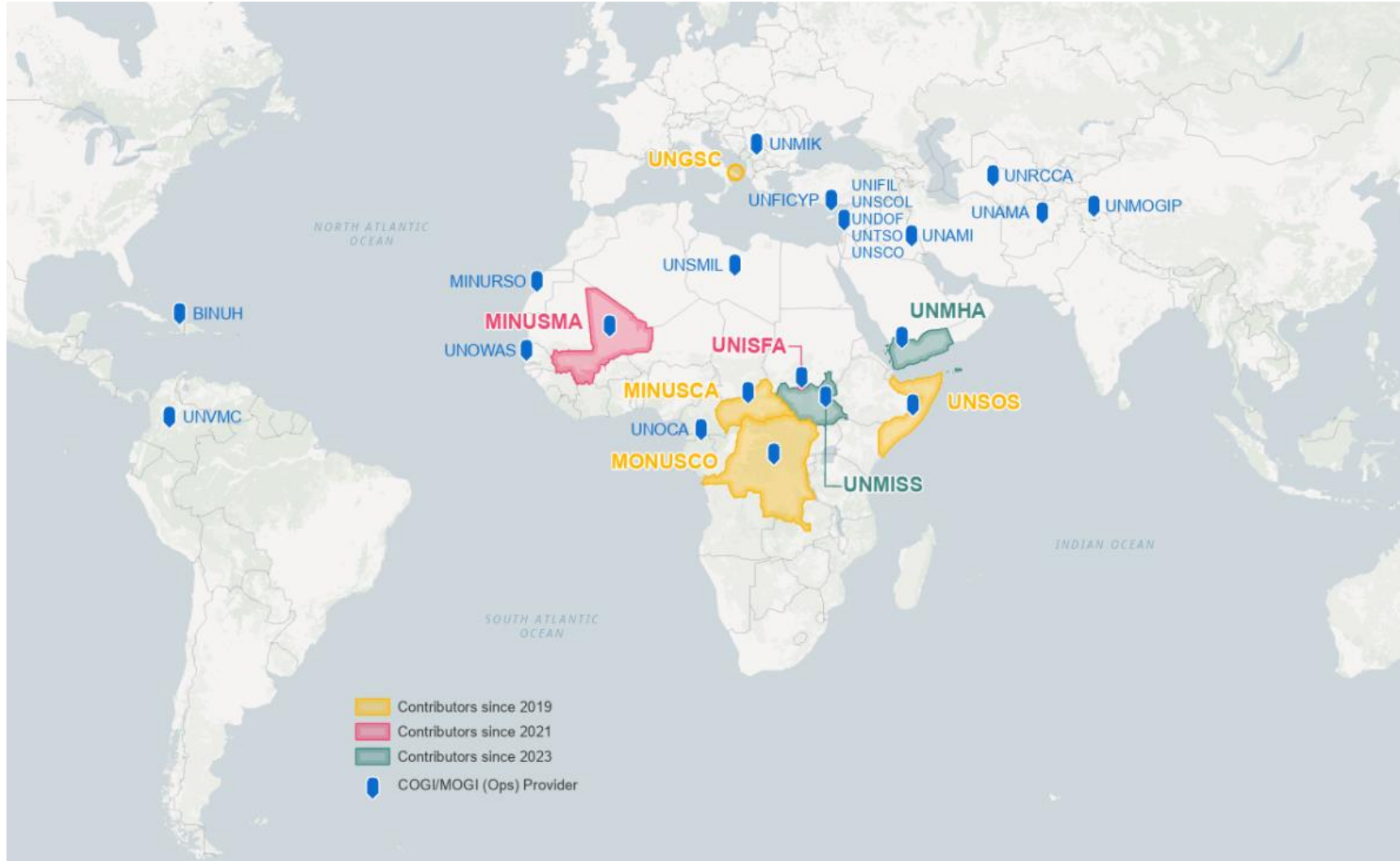
In-house capacity

Funded open mapping projects and operational data management



In-house capacity

Funded open mapping projects and operational data management



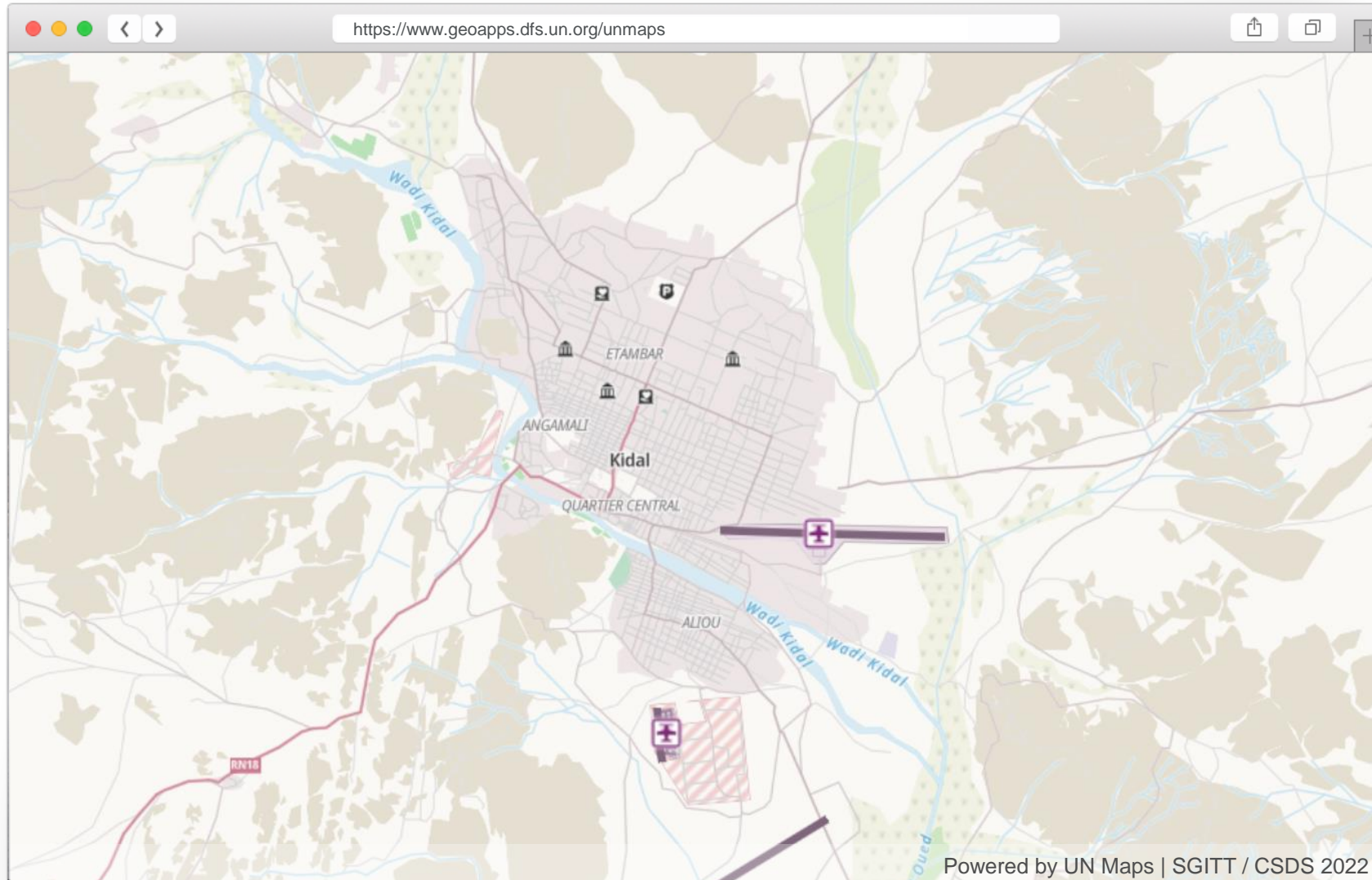


CROWDSOURCING

Enabled by UN Mappers thriving community

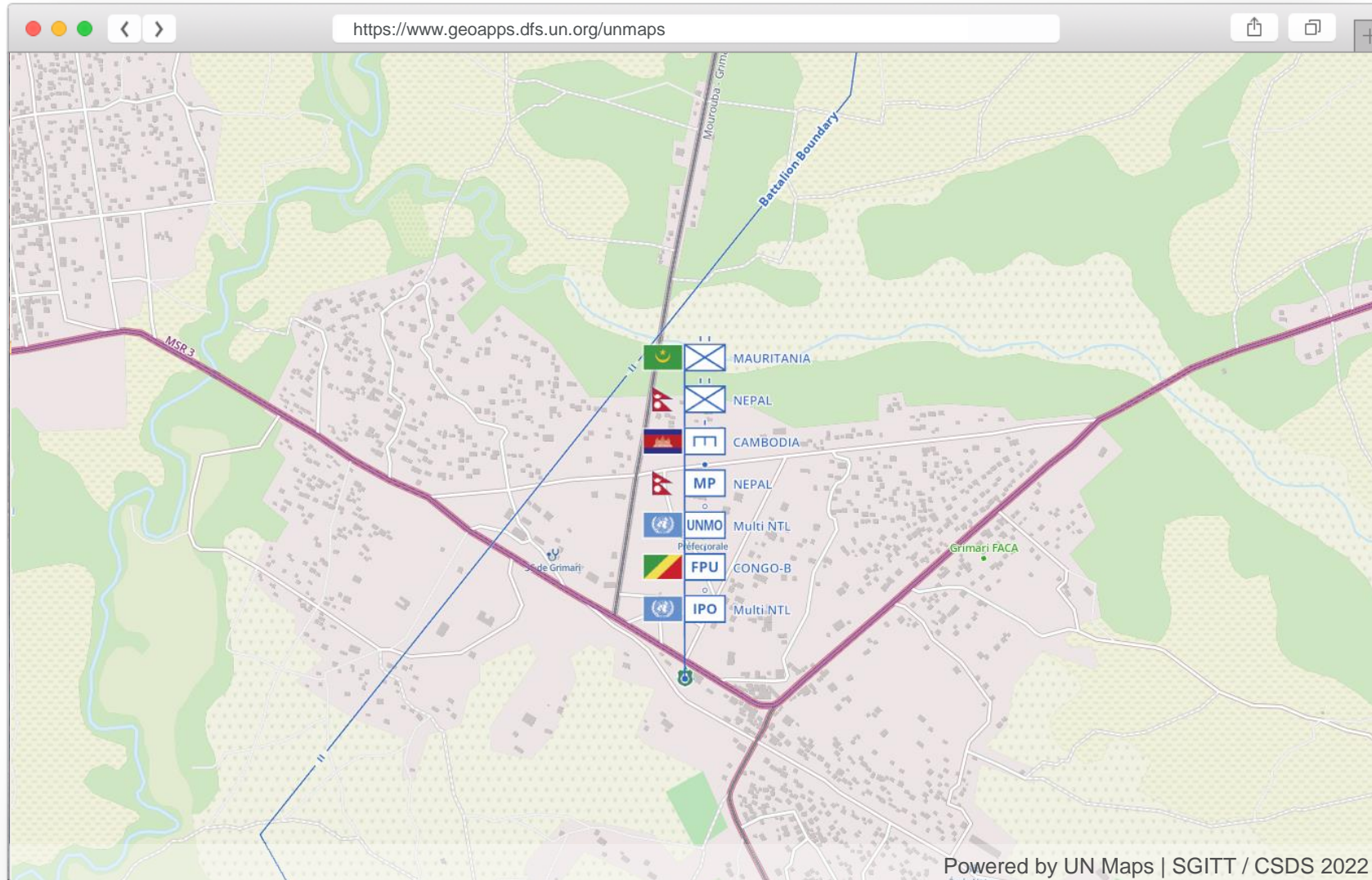
Our contribution and added value

Kidal, Mali



Our contribution and added value

Grimari, Central African Republic



Tailored geospatial services and maps

UN Maps products and services



Street map



Operational map



Globe



Image map

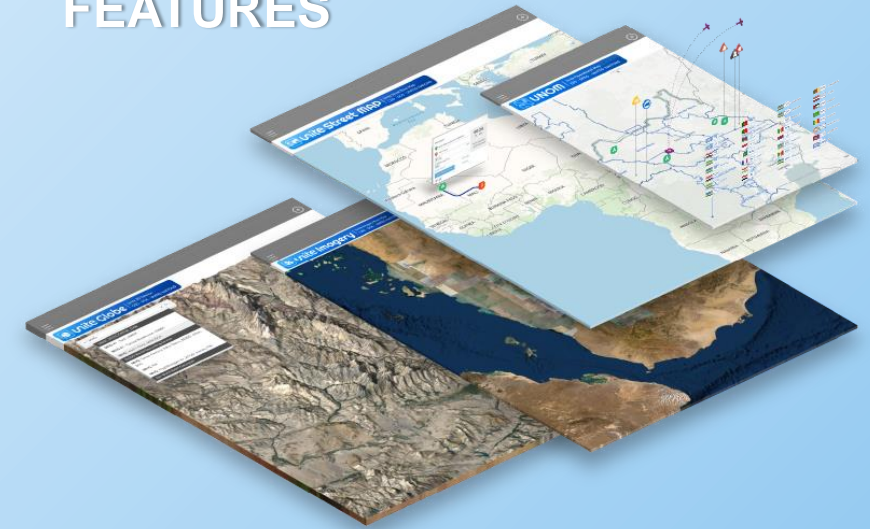


Direction



Search

FEATURES



Maps on Demand



Topographic Maps



Urban Maps



Site Maps

OUTPUTS



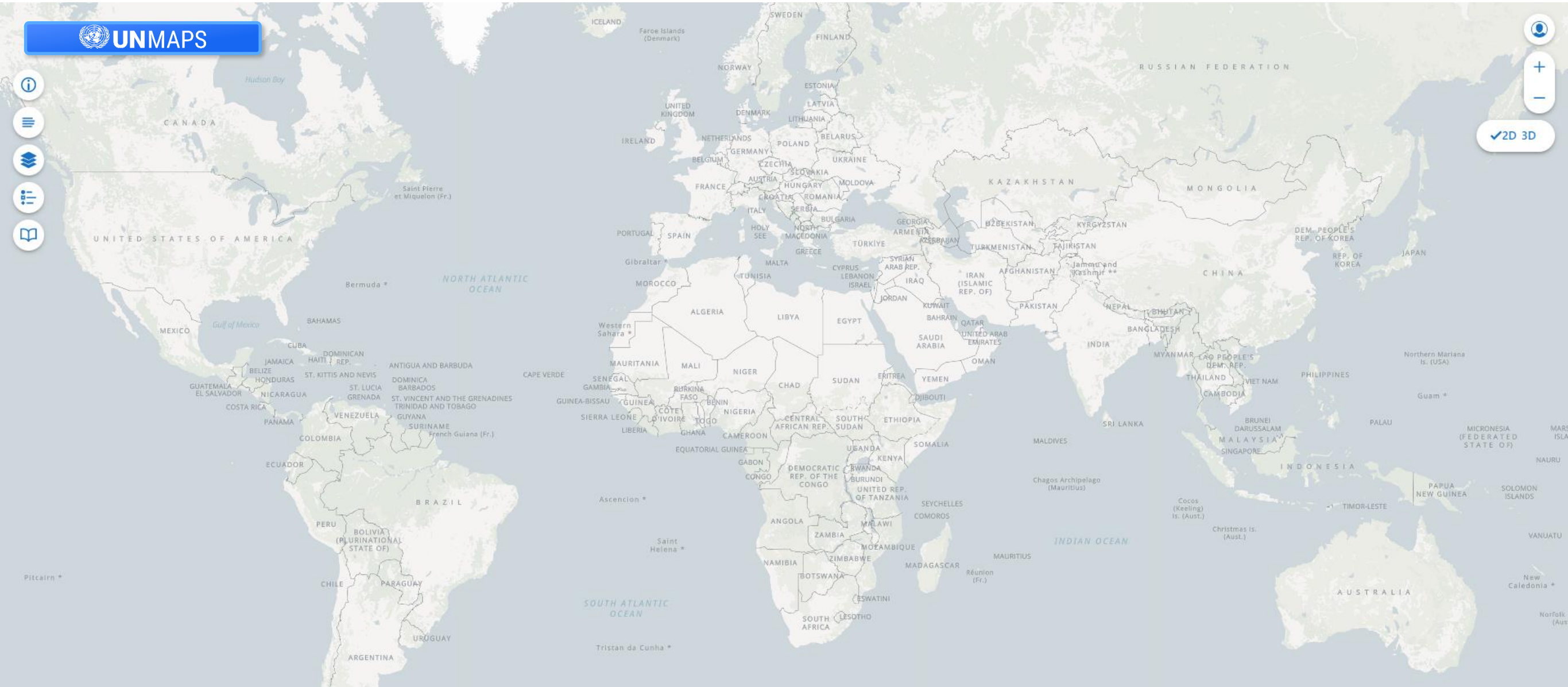
Street Map

Standard background map with detailed information and global coverage



Street Map

Standard background map with detailed information and global coverage



Street Map

Standard background map with detailed information and global coverage

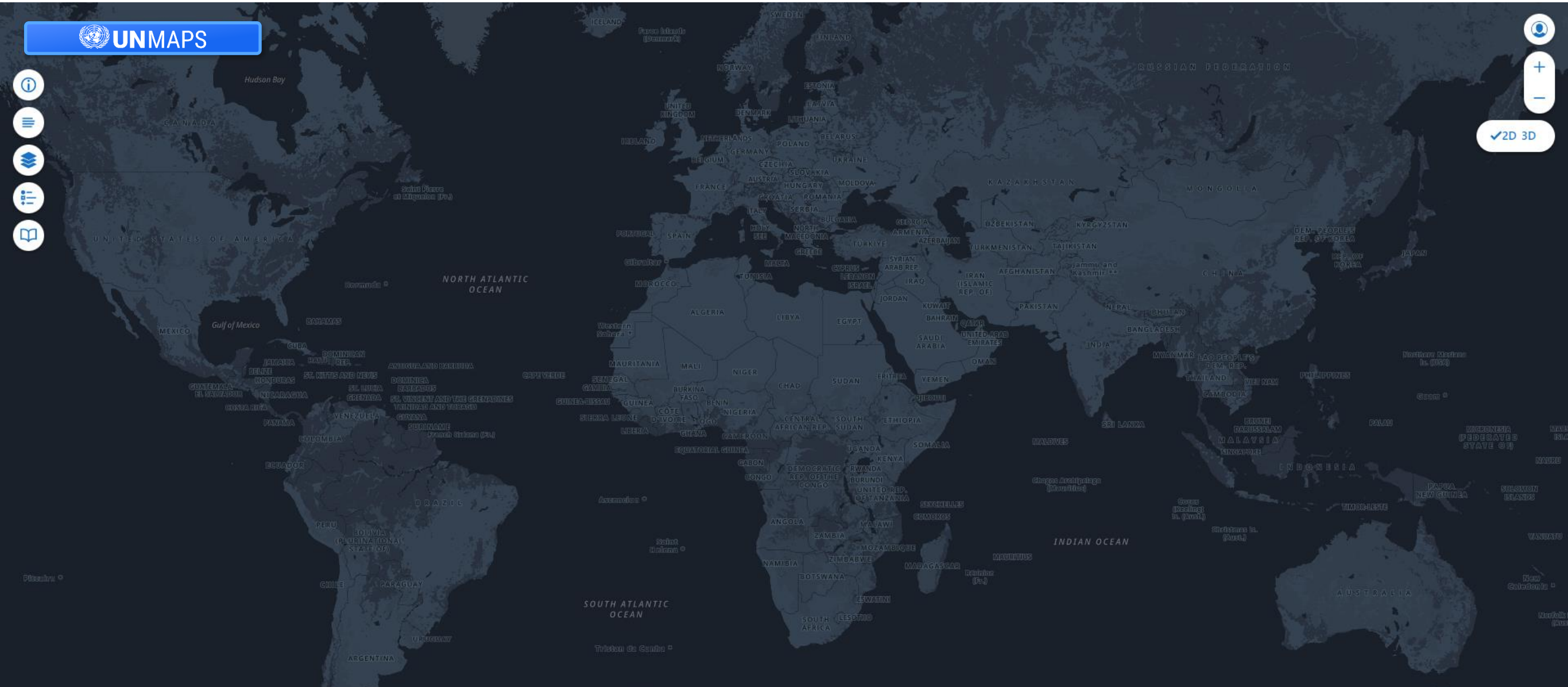


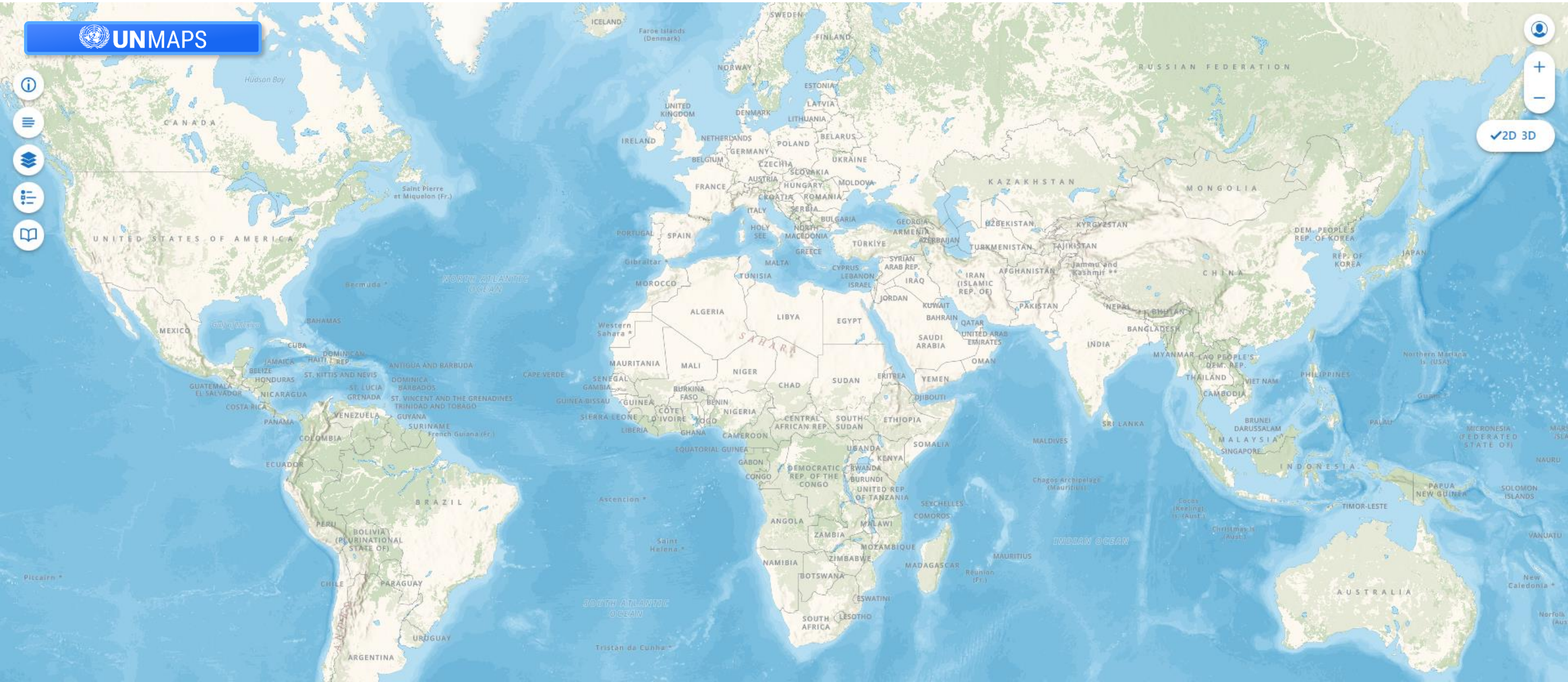
Image Map

Latest high-resolution satellite images for selected hot spots



Terrain Map

All physical features to better show the shape of the Earth's surface



Search

Find locations using both open data and authoritative information

UNP 7-2, UNIFIL

[Zoom to Result\(s\)](#)
[Buffer Result\(s\)](#)

[Pulse](#)
[Remove Result\(s\)](#)

LOC NAME: UNP 7-2, UNIFIL
 SCORE: 100
 COG_Point: UNP 7-2, UNIFIL

MATCH ADDR: UNP 7-2, UNIFIL
 DESCRIPTION: 7-2

PLACENAME: UNP 7-2
 STADDR:

PLACE ADDR:

NEIGHBORHOOD:

COUNTY:

STATE:

STATEABBR:

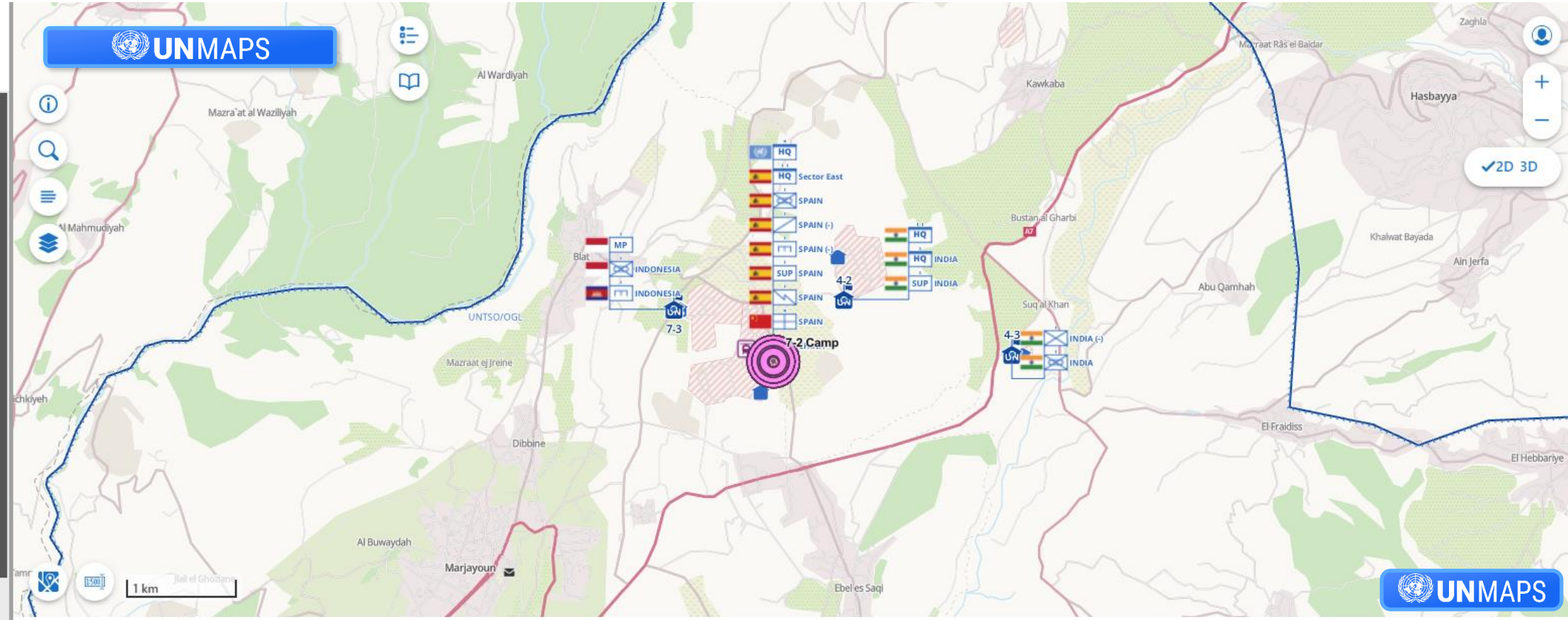
COUNTRY:

LANGCODE:

PHONE:

URL:

DISTANCE: 2759084.87
 REF ID: 536



Identify results: (27)

[Refine](#)

7-2 Camp UN Mission Sites 7-2 Camp Remarks: Type: Camp Level: Source: Used / Operated ...	UNP 7-2 UN Positions UNP 7-2 Remarks: Level: Sector Source: UNGSC Used / Operated by:	UNP 7-2
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Direction

Generate UN recommended paths using both open data and operational information

Directions

ALL

A Bush Medina, UNSOS

B Watch Tower Unknown 1994, UNSOS

ADD

Driving Time

LEAVE NOW

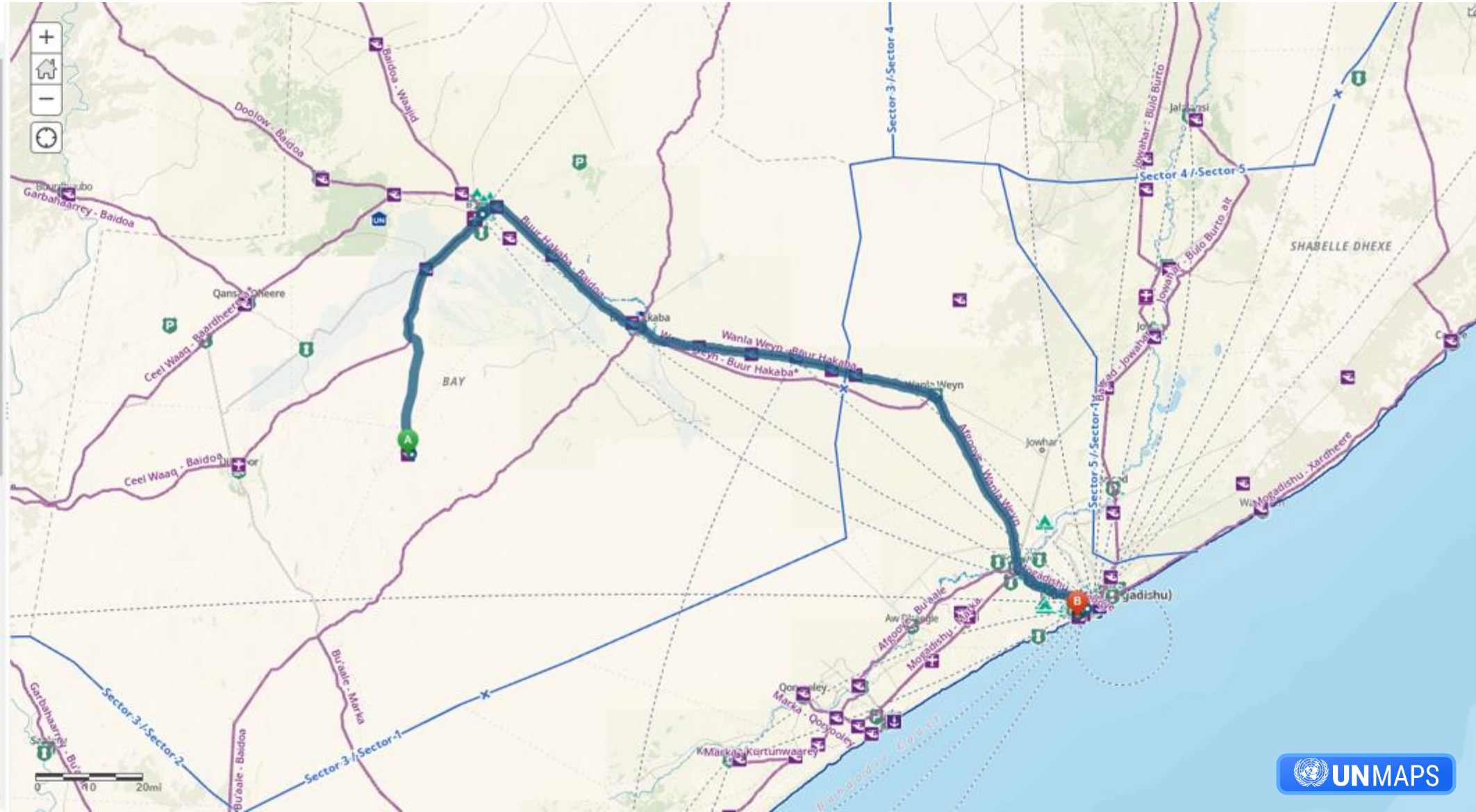
OPTIONS

GET DIRECTIONS CLEAR

04:41
hr min

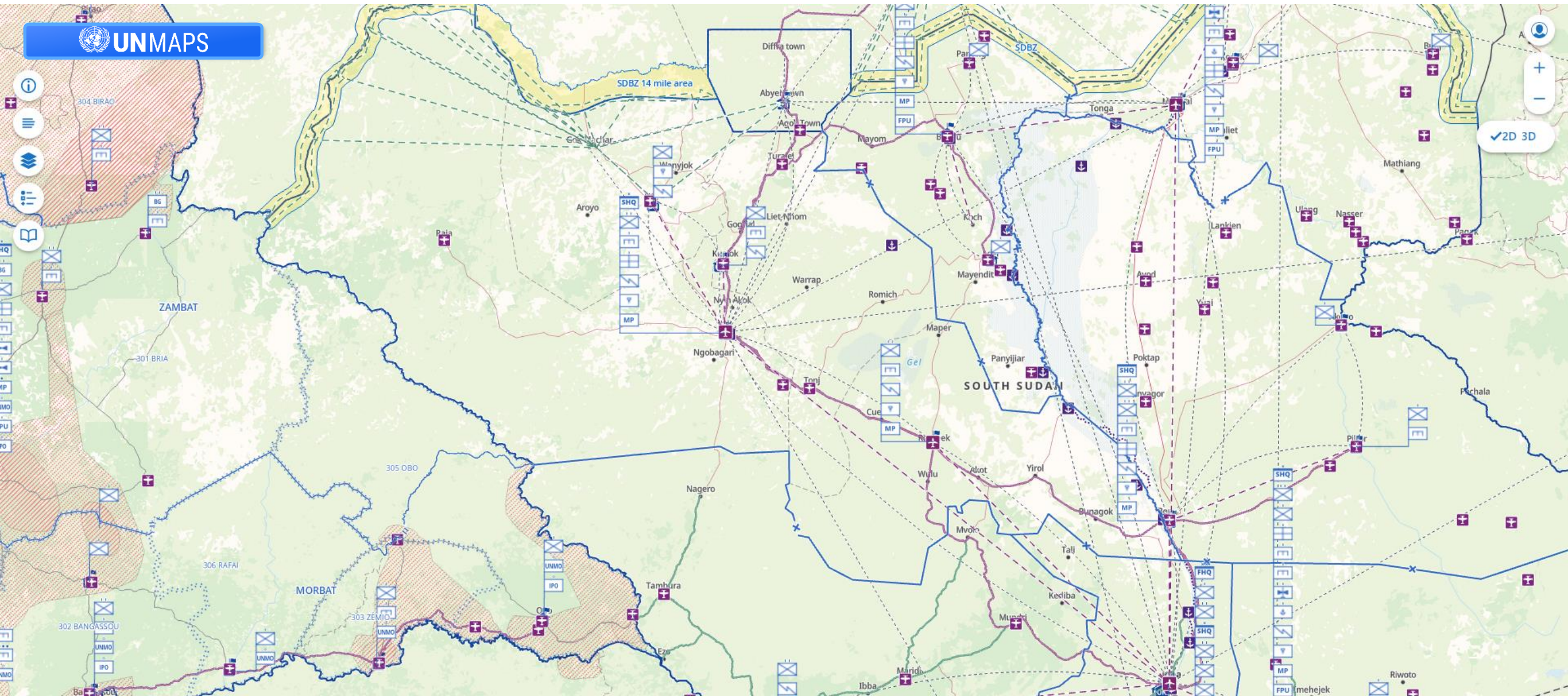
No Traffic info
205.88 miles

1. Start at Bush Medina, UNSOS
11:01 AM GMT+0300
2. Go north
52.16 mi · 1 hr 23 min
3. Turn right
0.25 mi
4. Turn left
149.96 mi · 3 hr 7 min
5. At the roundabout, take the third exit
0.46 mi · 1 min
6. Turn right
0.08 mi
7. Turn left
0.08 mi
8. Make a sharp right



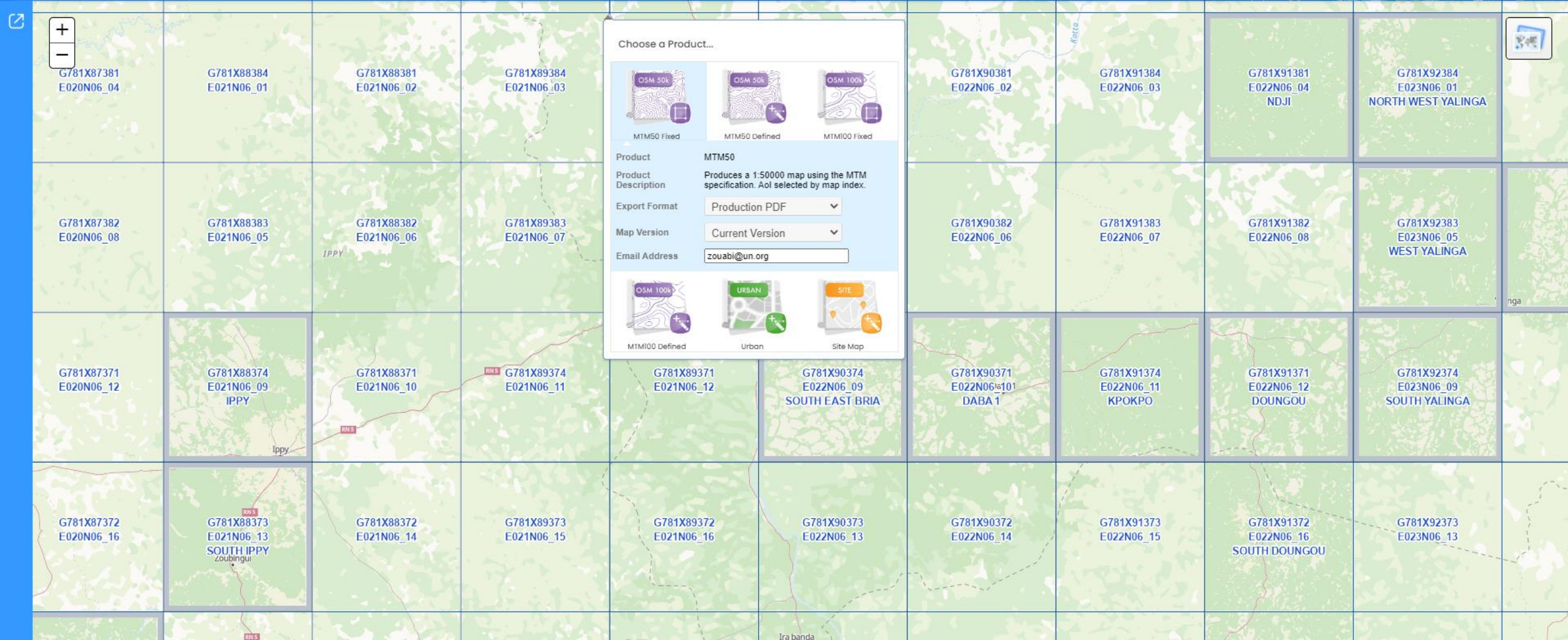
Operational Map

All the UN activities, operations and locations at your fingertips



Maps on Demand

Empowering non-GIS professionals to create their own maps



The interface displays a grid of map tiles. A central dialog box titled "Choose a Product..." is open, showing three product options: MTM50 Fixed, MTM50 Defined, and MTM100 Fixed. Below these, there are three more options: MTM100 Defined, Urban, and Site Map. The dialog box also contains a form with the following fields:

- Product: MTM50
- Product Description: Produces a 1:50000 map using the MTM specification. Aol selected by map index.
- Export Format: Production PDF
- Map Version: Current Version
- Email Address: zouabi@un.org

The map grid shows various map tiles with labels such as G781X87381 E020N06_04, G781X88384 E021N06_01, G781X88382 E021N06_06, G781X89374 E021N06_11, G781X90374 E022N06_09 SOUTH EAST BRIA, G781X91374 E022N06_11 KPOKPO, G781X92374 E023N06_09 SOUTH YALINGA, G781X87372 E020N06_16, G781X88373 E021N06_13 SOUTH IPPY Zoubingui, G781X89372 E021N06_16, G781X90373 E022N06_13, G781X90372 E022N06_14, G781X91373 E022N06_15, G781X91372 E022N06_16 SOUTH DOUNGOU, G781X92373 E023N06_13, and G781X92384 E023N06_01 NORTH WEST YALINGA.

Maps on Demand

Empowering non-GIS professionals to create their own maps

Maps on Demand
Dynamic Map Production

+

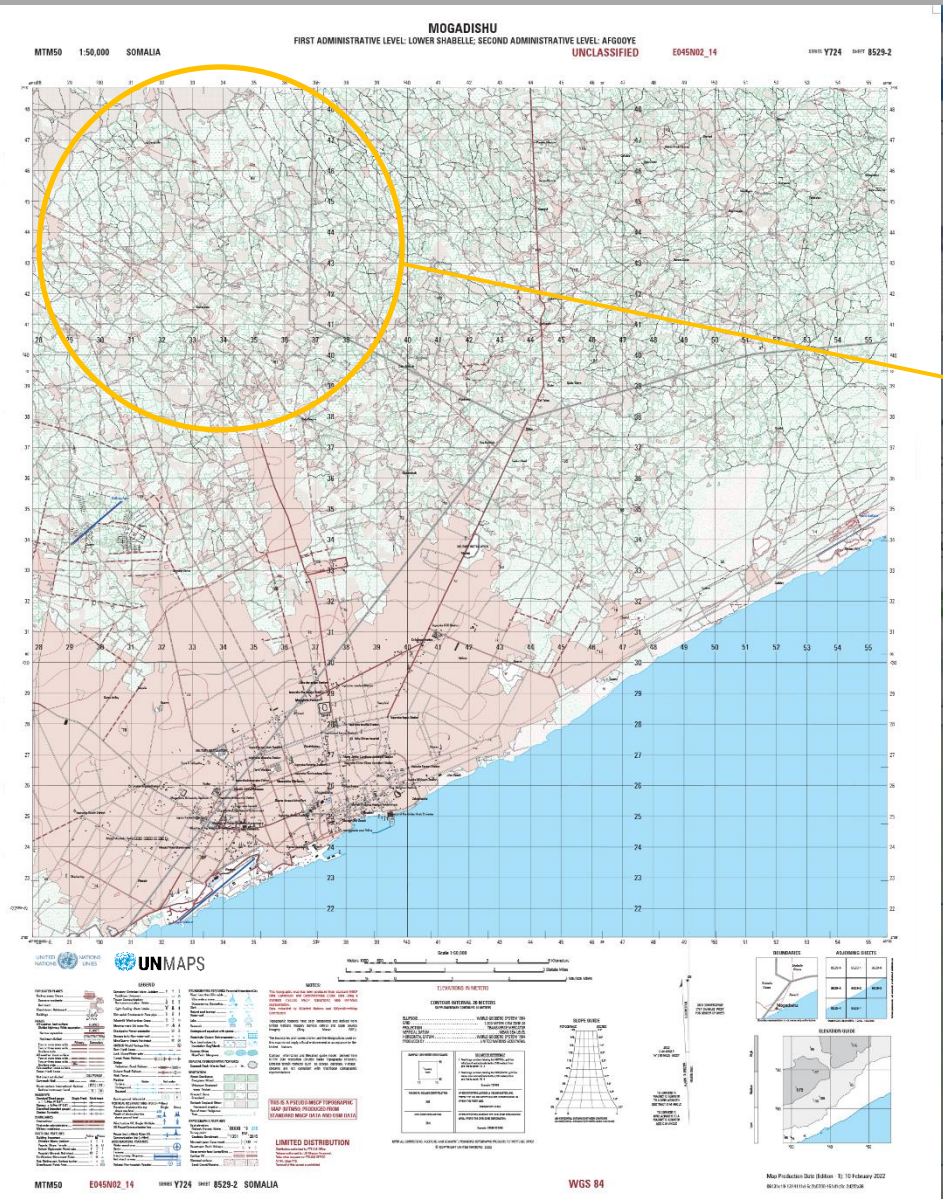
-

G781X87381
E020N06_04

G781X87382
E020N06_08

G781X87371
E020N06_12

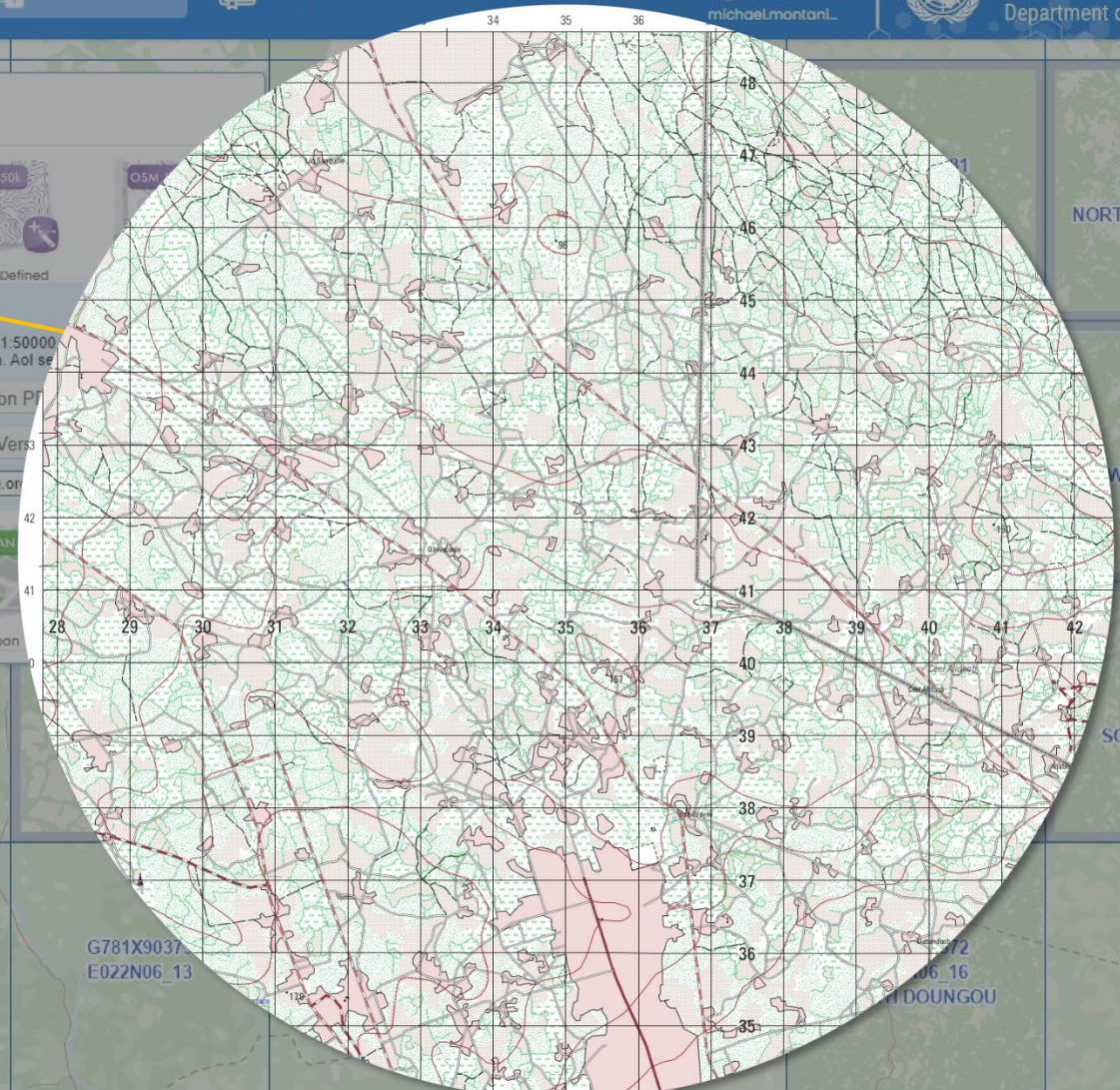
G781X87372
E020N06_16



UNITED NATIONS
Department of Operational Support

Sign Out michael.montan...

Add User Guide



G781X92384
E023N06_01
NORTH WEST YALINGA

G781X92383
E023N06_05
WEST YALINGA

G781X92374
E023N06_09
SOUTH YALINGA

G781X92373
E023N06_13

G781X90372
E022N06_13

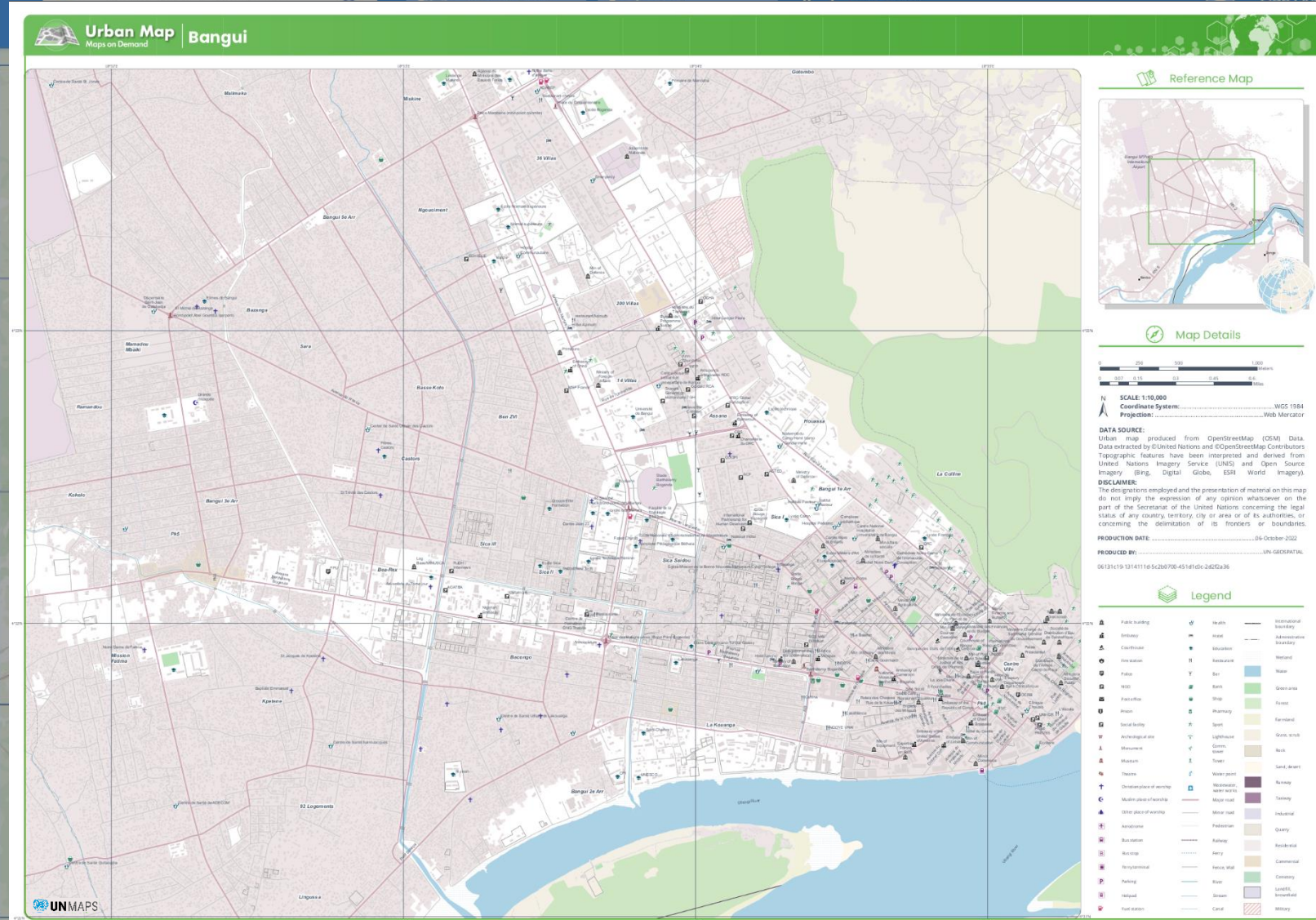
G781X90371
E022N06_13

Ira banda

Maps on Demand

Empowering non-GIS professionals to create their own maps

Maps on Demand
Dynamic Map Production Tool



G781X91381
E022N06_04
NDJI

G781X92384
E023N06_01
NORTH WEST YALINGA

G781X91382
E022N06_08

G781X92383
E023N06_05
WEST YALINGA

G781X91371
E022N06_12
DOUNGOU

G781X92374
E023N06_09
SOUTH YALINGA

G781X91372
E022N06_16
JUTH DOUNGOU

G781X92373
E023N06_13



G781X87381
E020N06_04

G781X88384
E021N06_01

G781X87382
E020N06_08

G781X88383
E021N06_05

G781X87371
E020N06_12

G781X88374
E021N06_09
IPPY

G781X87372
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SOUTH IPPY
zoulingui

Ippy

IRRA BANDA

Maps on Demand

Empowering non-GIS professionals to create their own maps

Maps on Demand

Dynamic Map Production Tool



UNITED NATIONS
Department of Operational Support

Site Map | Goma
Maps on Demand

Reference Map

Map Details

SCALE: 1:5000
Coordinate System: WGS 1984
Projection: Web Mercator

DATA SOURCE:
United Nations Imagery Service (UNIS) and Open Source Imagery (Bing, Maxar, ESRI World Imagery). Data extracted by ©United Nations and ©OpenStreetMap Contributors.

DISCLAIMER:
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

PRODUCTION DATE: 27 May 2022

PRODUCED BY: UN-GEOSPATIAL

Legend

- Headquarter
- Sector Headquarter
- Force Headquarter
- UN Location
- UN Position
- Non-UN Position
- Courthouse
- Public building
- Embassy
- Fire station
- NGO, Social facility
- Police
- Post office
- Prison
- Major road
- Archeological site
- Monument
- Museum
- Theatre
- Christian place of worship
- Muslim place of worship
- Other place of worship
- Health
- Education
- Aerodrome
- Bus station
- Ferry terminal
- Helipad
- Parking
- Minor road



G781X87381
E020N06_04

G781X88384
E021N06_01

G781X87382
E020N06_08

G781X88383
E021N06_05

G781X87371
E020N06_12

G781X88374
E021N06_09
IPPY

G781X87372
E020N06_16

G781X88373
E021N06_13
SOUTH IPPY
zoubingui

G781X91381
E022N06_04
NDJI

G781X92384
E023N06_01
NORTH WEST YALINGA

G781X91382
E022N06_08

G781X92383
E023N06_05
WEST YALINGA

G781X91371
E022N06_12
DOUNGOU

G781X92374
E023N06_09
SOUTH YALINGA

G781X91372
E022N06_16
SOUTH DOUNGOU

G781X92373
E023N06_13



29°14'0"E

Ira banda

Foundational System

UN Maps is the backbone for global solutions



UN Maps powers and geo-enables 40+ products and services

MISSION TYPE
All

MANDATE COMPONENTS
All

RESET
DETAILS
MORE

MISSIONS BY TYPE AND MANDATE COMPONENTS




COMPONENTS	BINUH	MINURSO	MINUSCA	MINUSMA	M
Authorization of the use of force	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ceasefire monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Civil-military coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Demilitarization and arms management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Electoral assistance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Human rights-related	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Humanitarian support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
International cooperation and coordination	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Maritime security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mission impact assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Political process	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of civilians including refugees and internally displaced persons	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of humanitarian/UN personnel and facilities/free movement of personnel and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Public Information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rule of Law/Judicial matters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Security monitoring - patrolling - deterrence	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Security sector reform	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Support to military	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Support to police	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Support to sanctions regimes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Support to state institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

4. To move the map around to view more countries, place your mouse cursor on the map, you will see a hand pointer.



Benefits aligned with UN Strategy

UN Maps supports Sustainable Development and align with the Secretary-General Data Strategy

Sustainable Development Goals

	<p>Provide quality educational opportunities via remote or on-premise trainings</p>
	<p>Empower women with geospatial skills, fighting gender disparity</p>
	<p>Produce open data, and everyone, including local communities, can leverage it in an equal way</p>
	<p>Support to peacekeepers through its products</p>
	<p>Establish partnerships with Agencies, Funds and Programmes, and Member states</p>

Secretary-General Data Strategy

	<p>Build people capacity everywhere, spreading a culture of collaboration, excellence, openness and sharing</p>
	<p>Connect sustainably to ecosystems outside the UN family, so to jointly unlock more value at scale</p>



UN Maps in numbers

Growing figures of collected data, social interaction, maps produced



3,600 contributors in the **UN Mappers community**



130,000 km of **waterways** mapped (**19.5 times the Nile**)



Hosted and participated to **200 events** (conferences and workshops)



260,000 **buildings** mapped (**around 800,000 inhabitants**)



Trained **500 volunteers** and **students**



350,000 km² of **landcover** (**the same area as Germany**)



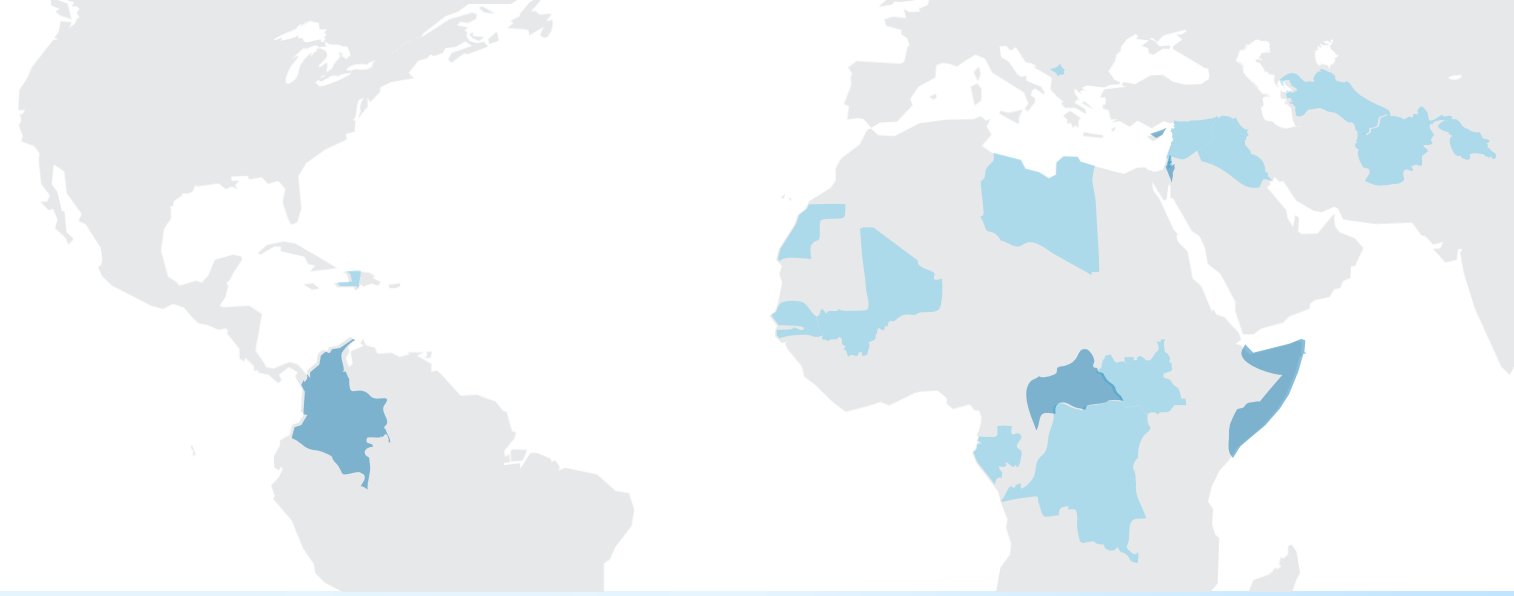
260,000 km of **roads** mapped (**6.5 times the Equator**)



Produced **452 topographic maps** and maintain **70+ operational layers**

Outcomes and Impacts

UN Maps is critical for various UN 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 the Middle East the **Blue Line Marking activity** helps confidence building between **Lebanon and Israel**.



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**.

Join us

- Establish **partnerships** and **collaborations**
- **Resource** and **sustain** UN Maps programme
- **UN Maps conference** in **March 2023** in **Valencia**
- Add **value** with your **data** and **contribution**
- Make **UN Maps for All**
- Be a **Champion** for **UN Maps**





UNMAPS

Mapping the World,

Supporting Peace

and Serving Humanity



Contact us: un.mappers@un.org