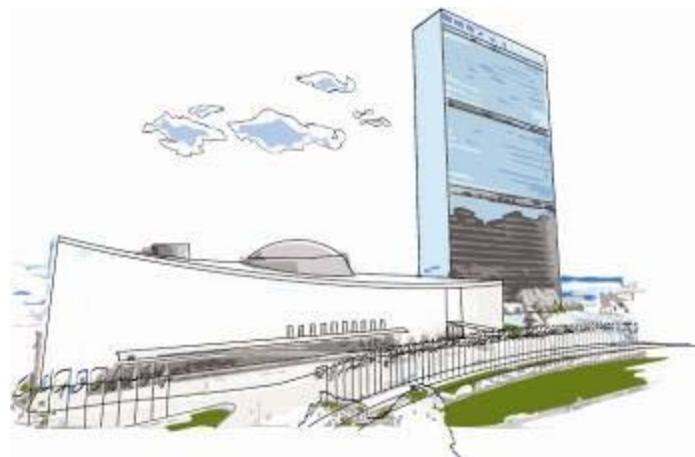


# Geospatial support to the UN Secretariat

United Nations Regional Cartographic  
Conference of the Americas



Cartographic Section  
Division for Geospatial, Information & Telecommunications Technologies  
Department of Field Support  
United Nations

# Mandate of Cartographic Section

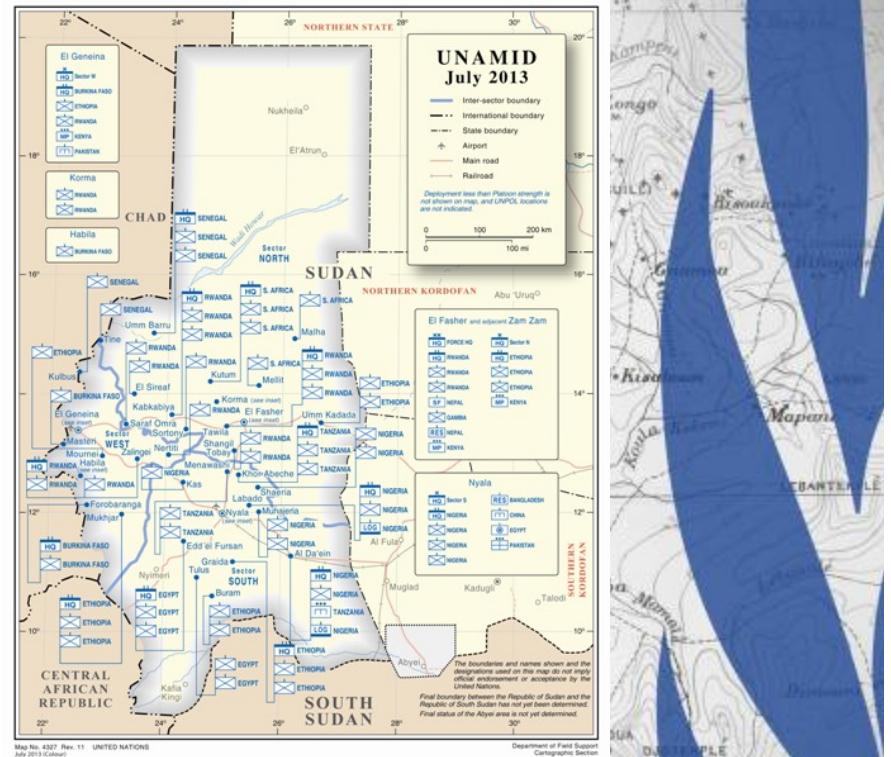
**UN Cartographic Section provides geospatial information support to the full range of United Nations operations**

*Principal duties include:*

- ⇒ Provide accurate and timely geospatial information in support of the decision-making and operational needs of
  - . The Security Council
  - . UN Secretariat
  - . UN Peace Operations (DPKO, DPA, DFS)
  - . UN Operations & Crisis Centre (UNOCC)
- ⇒ Programme management for **UN field mission GIS operations**
- ⇒ Provide technical assistance on **international boundary issues**



# Cartographic products: UN official maps

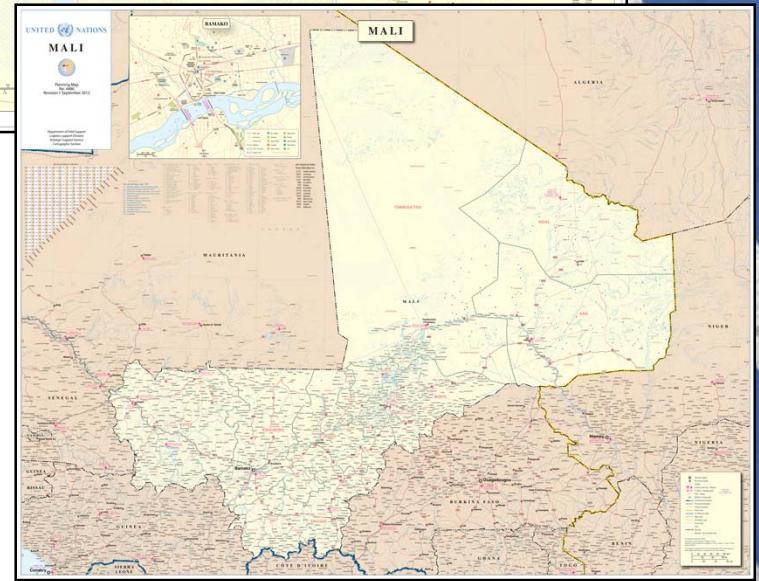
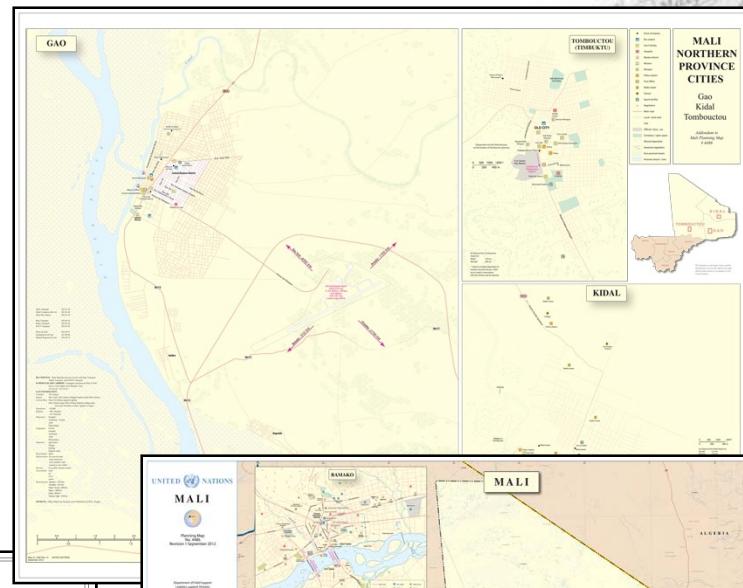
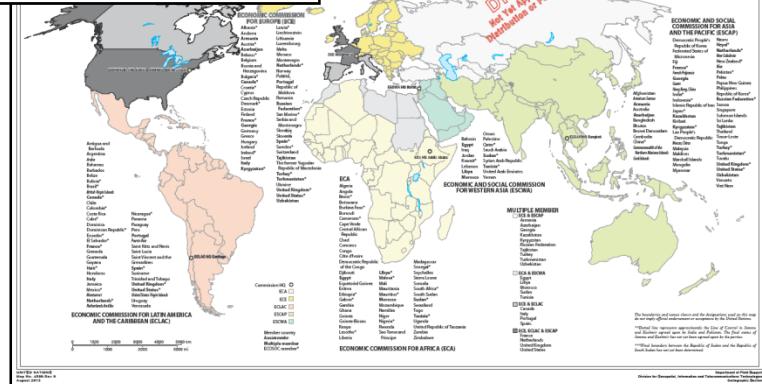
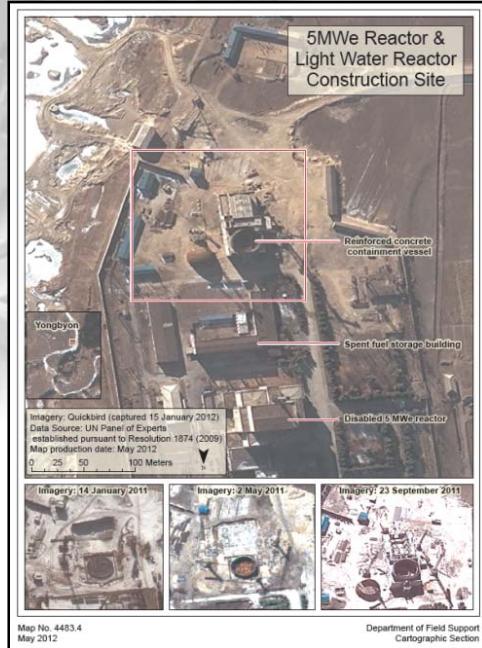


Map production for UN official briefing and publication

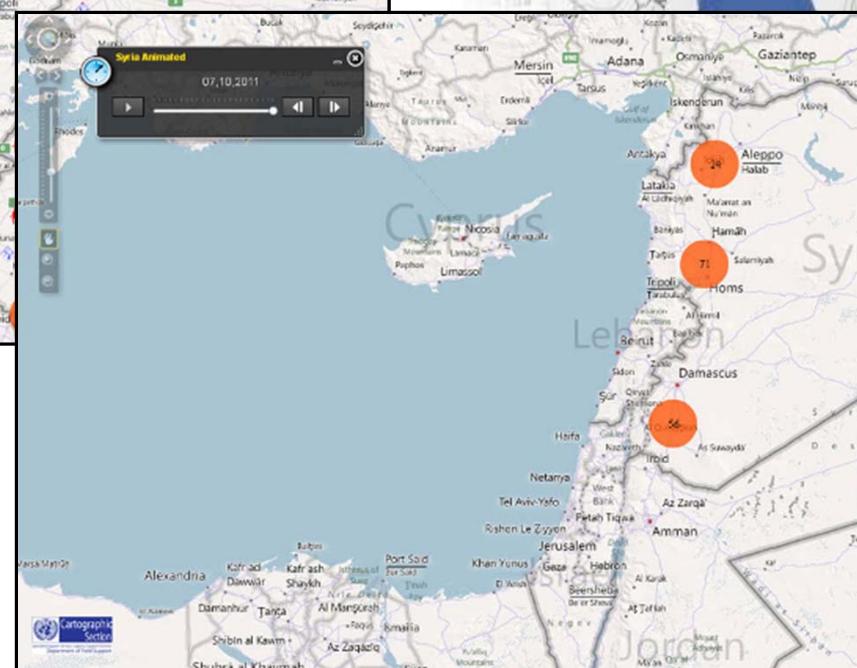
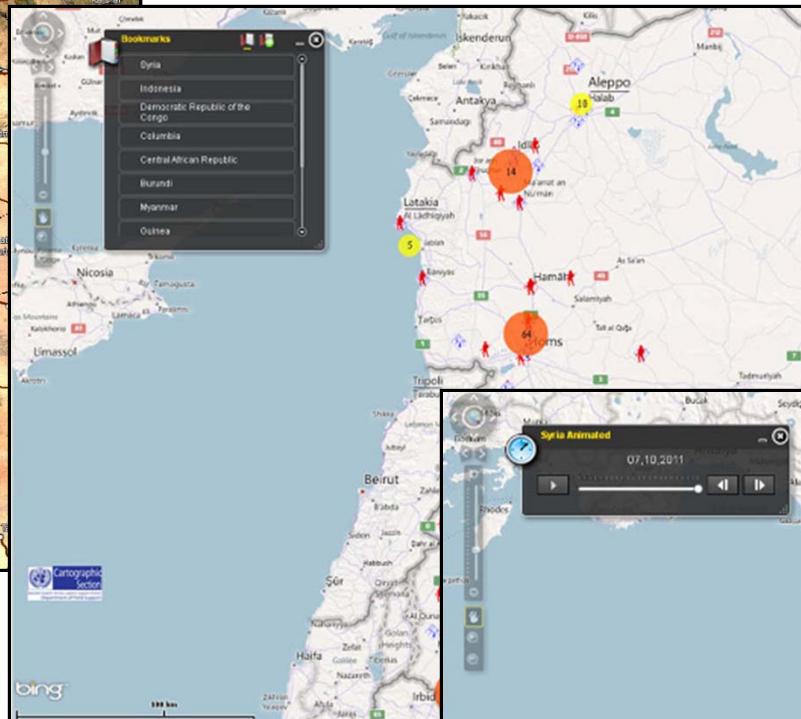


# Cartographic products: special support

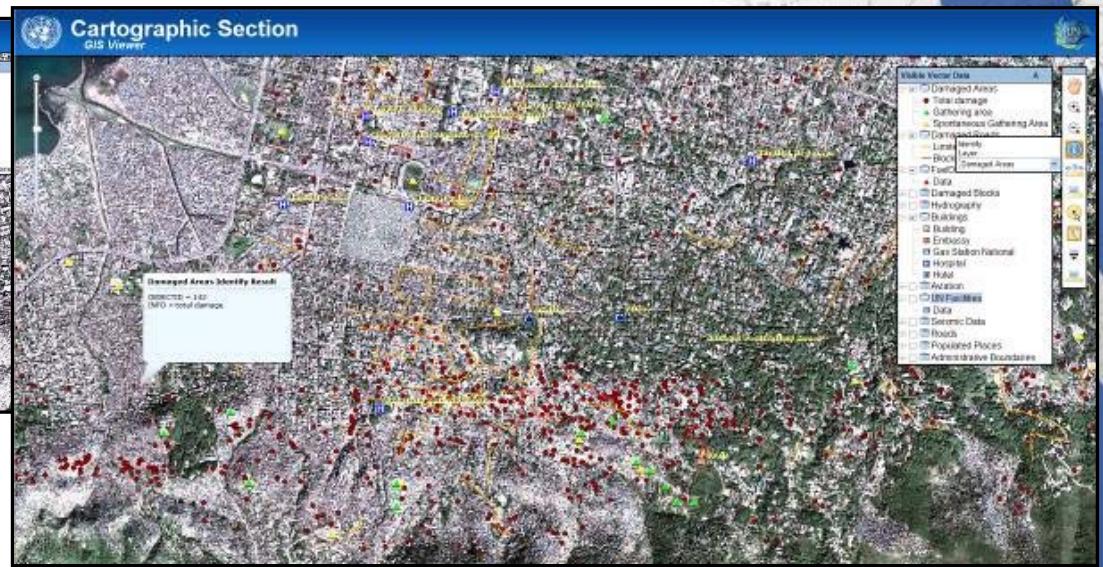
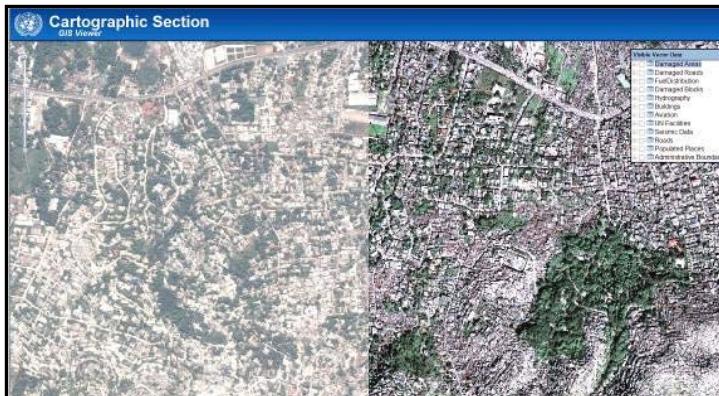
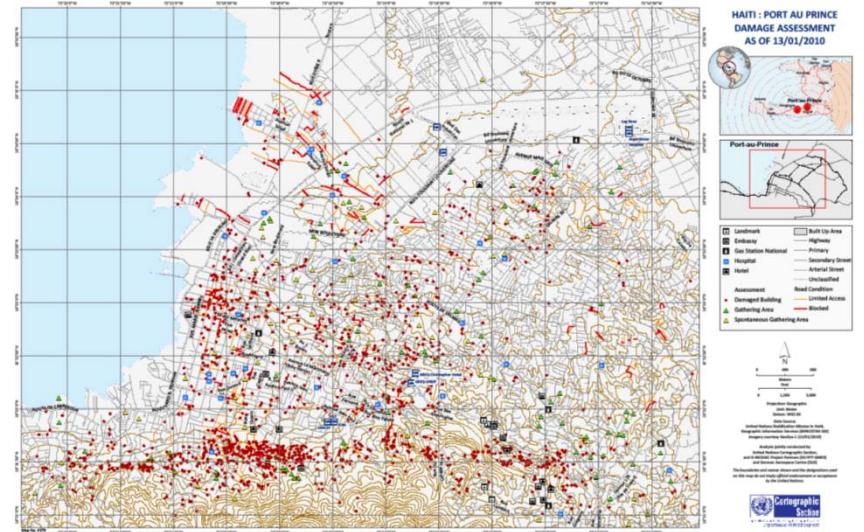
- Customised map production for UN Secretariat and UN entities



# *GIS: Dashboard & Incident Analysis*



# GIS: Damage Analysis and Web-mapping



# UNmap: Data Layers



# UN Gazetteer

**Results for abeche**

You can interactively explore the area around a place with the map on the side. Click on 'See on map' to center the map on a place. Alternatively, you can see a place in Google Earth or in the Digital Map Archive Explorer.

- Open DMAExplorer [Abéché, Préfecture du Ouaddai, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)
- Open DMAExplorer [Abéré, Préfecture du Ouaddai, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)
- Open Google Earth [Atélé, Préfecture du Chari-Baguirmi, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)
- Open Google Earth [Arkéna, Préfecture du Kanem, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)
- Open Google Earth [Arkéna, Préfecture du Kanem, Chad](#) (area - AREA)
- Open Google Earth [See on map](#)
- Open Google Earth [Am Sakou, Préfecture du Kanem, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)
- Open Google Earth [Atélé, Préfecture du Chari-Baguirmi, Chad](#) (Administrative division)
- Open Google Earth [See on map](#)

**Feature search**

Alger Total hits: 48

#	name	id	country	latitude	longitude
1	Algiers PPLC	2468604	Algeria, Alger	36.7525	3.04197
2	Bordj El Kifan PPL	2464788	Algeria, Alger	36.74871	3.19248
3	Ain Taya PPL	2469036	Algeria, Alger	36.79333	3.28694
4	Dar El Baida PPL	2462016	Algeria, Alger	36.71333	3.2125
5	Birkhadem PPL	2464973	Algeria, Alger	36.71499	3.05002
6	Bab Ezzouar PPL	2466979	Algeria, Alger	36.72615	3.18291
7	Rouiba PPL	2444042	Algeria, Alger	36.73829	3.28079
8	Algier Plage PPL	2468598	Algeria, Alger	36.78567	3.23569

**Feature viewed/it**

2468604

**Algiers**

class: P code: PPLC

lat: 36.7525 lon: 3.04197 accuracy: Map Digitalisation (Large Scale)

timezone: Africa/Algiers population: 1977663 elevation:

mission: GlobalBaseData

# SALB: Second Administrative Level Boundaries

[www.unsalb.org](http://www.unsalb.org)

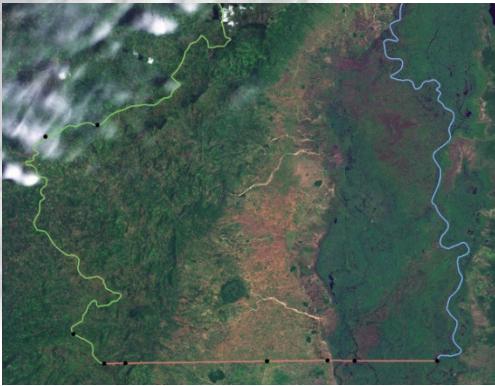
- **SALB is a fundamental data layer for Global mapping & GIS services (i.e., Response to Natural Disaster, Humanitarian Operations, Climate Changes, Pandemic, Peace & Security, etc)**
- **SALB is activities of collection, harmonisation, management and dissemination of the administrative boundary data in coordination with National Mapping Authorities (NMAs)**
  - ⇒ Seamless administrative boundary maps and data since 2000
  - ⇒ Coded historic changes of administrative boundary
  - ⇒ Contact information of NMAs

[www.unsalb.org](http://www.unsalb.org)



# UN International Boundary Information System

## Satellite Imagery



## Treaty Text

United Nations — Treaty Series		1965
No.	Location	Appeas, distance from previous beacon measured along the watershed
44D	Between the Coniovo river in Mozambique and the Nyakamba river in Nyassaland . . . . .	520 km.
45	On the highest point of the southern end of the Mafinga Hill . . . . .	650 km.
45A	Between the Cacheiro river in Mozambique and the Lilanje river in Nyassaland . . . . .	400 km.
45B	1 kilometre west of the village named Tendo . . . . .	470 km.
46	On the summit of Chirunda Hill . . . . .	550 km.
46A	Between the Membo river in Mozambique and the Kasuku river in Nyassaland . . . . .	530 km.
47	At a point 500 metres S.W. of Metangas Hill . . . . .	240 km.
47A	On a small hill 1.5 kilometres S.W. of Nyantoko Hill . . . . .	690 km.
47B	On the highest point of the ridge 3.7 kilometres south of Nyantoko Hill . . . . .	320 km.
47C	Between the Nasali river in Mozambique and the Mwabvi river in Nyassaland . . . . .	420 km.
47D	Between the Nasali river in Mozambique and the Mwabvi river in Nyassaland . . . . .	210 km.
47E	Between the Nasali river in Mozambique and the Mwabvi river in Nyassaland . . . . .	270 km.
47F	Between the Nasali river in Mozambique and the Mwabvi river in Nyassaland . . . . .	540 km.
48	On the summit of Mwasabishi Hill . . . . .	660 km.
49	On the summit of Mwasabishi Hill . . . . .	700 km.
50	On the summit of Chafuta Hill . . . . .	24-10 km.
51	On the summit of Kafalatenga Hill . . . . .	3-80 km.
51A	On the summit of Kancire Hill . . . . .	23-30 km.

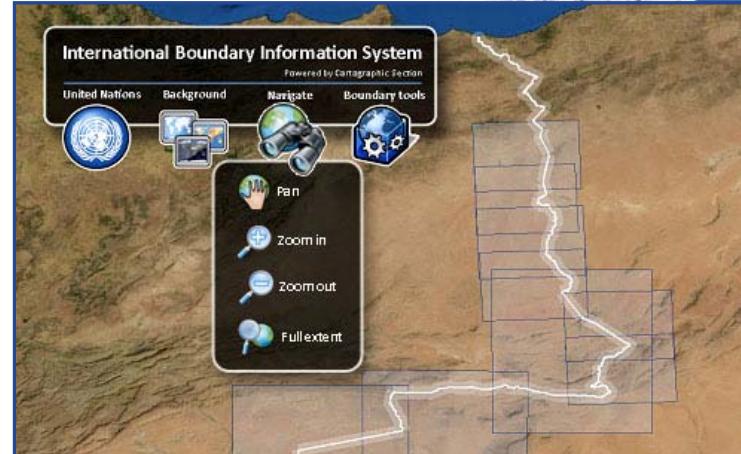
United Nations — Treaty Series				1965
[PORTUGUESE TEXT — TEXTO PORTUGUÊS]				
Nº	Latitude (S)	Longitude (E)	Altitude (M)	Type
2	14 28 48.3	33 56 22.9	1,339	A
3	14 29 24.4	34 05 11.8	1,380	A
4	14 27 32.9	34 05 04.5	1,338	A
5	14 26 04.5	34 06 44.8	1,323	A
6	14 26 11.1	34 07 17.9	1,445	A
6A	14 26 32.5	34 12 42.9	1,497	A
7	14 25 31.9	34 14 02.4	1,334	A
7A	14 25 49.9	34 16 02.4	1,535	A
8	14 23 57.7	34 20 55.0	1,650	A
9	14 23 57.2	34 20 34.4	1,636	A
10	14 23 46.5	34 23 19.8	1,574	A
10A	14 25 59.5	34 25 09.5	1,546	A
10B	14 25 59.5	34 27 58.8	1,508	A
11	14 31 10.5	34 27 50.3	1,462	A
12	14 32 09.4	34 28 53.3	1,548	A
13	14 34 40.5	34 31 34.9	1,567	A
14	14 34 40.7	34 31 44.1	1,494	A
15	14 40 53.2	34 31 26.9	1,380	A
16	14 45 12.6	34 32 49.2	1,416	A
17	14 46 35.1	34 34 04.1	1,439	A
18	14 46 42.9	34 35 01.5	1,471	A
18A	15 01 59.1	34 35 00.6	1,486	A
19	14 52 40.6	34 34 34.3	1,404	A
20	14 54 00.6	34 31 57.7	1,488	A
21	14 54 43.3	34 35 42.3	1,489	A
22	15 00 58.9	34 37 57.9	1,546	A
22A	15 00 30.4	34 37 16.2	1,605	A
23	15 01 39.6	34 36 19.4	1,618	A
23A	15 04 01.9	34 34 23.3	1,646	A
24	15 06 14.3	34 35 06.8	1,638	A
25	15 06 22.2	34 35 21.8	1,805	A
25A	15 06 44.1	34 34 36.0	1,736	B

## Treaty Coordinates

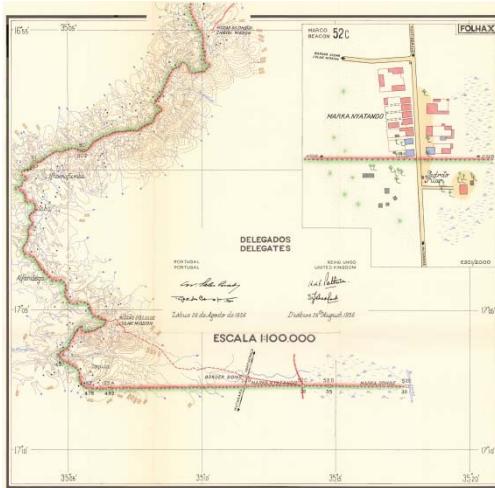
## GIS data

Feature Table		International Boundary Data model		
Field Name	Description	Data type	Rule	Value
ID_SEGMENT	Identification of segment	Text (14characters)	Mandatory	ISO3-5003-01
BDY_CNT01	Bordering country 1	Text (3characters)	Mandatory	ISO3
BDY_CNT02	Bordering country 2	Text (3characters)	Mandatory	TGO
BDY_TYPE	Boundary type	Short Integer	Mandatory	Value
BDY_STATUS	Boundary status	Short Integer	Mandatory	Value
BDY_GEO	Boundary geography	Short Integer	Mandatory	Value
BDY_GEOSUB	Geography (subclass)	Short Integer	Mandatory	Value
BDY_ISSUE	Boundary issue	Short Integer	Mandatory	Value
TXT_SOURCE	Text source	Text (10characters)	Mandatory	Source code
TXT_DATE	Text date	Short Integer (8)	Mandatory	yyymmdd
TXT_DETAIL	Text detail	Text (50characters)	Mandatory	Full text reference: UN Treaty Series, Vol. 1373, 1904, No 23105
TXT_PARTY1	Boundary making party 1	Text (100characters)	Mandatory	ISO3
TXT_PARTY2	Boundary making party 2	Text (100characters)	Mandatory	FRA
TXT_LINK	Text hyperlink (if any)	Text (150characters)	Recommended	URL or other link
SRC_TYPE	Source type	Text (50characters)	Mandatory	Full references
SRC_VALUE	Source value	Short Integer	Mandatory	Value
RCVY_SCALE	Recovery scale	Text (100characters)	Mandatory	Value
RCVY_POCR	Recovery producer	Text (100characters)	Mandatory	Producer code
RCVY_DATE	Recovery date	Short Integer (8)	Mandatory	yyymmdd
RCVY_LINK	Link to recovery report (if any)	Text (150characters)	Recommended	URL or other link
COMMENT	Comments	Text (70characters)	Optional	Description
				Parameters related to boundary

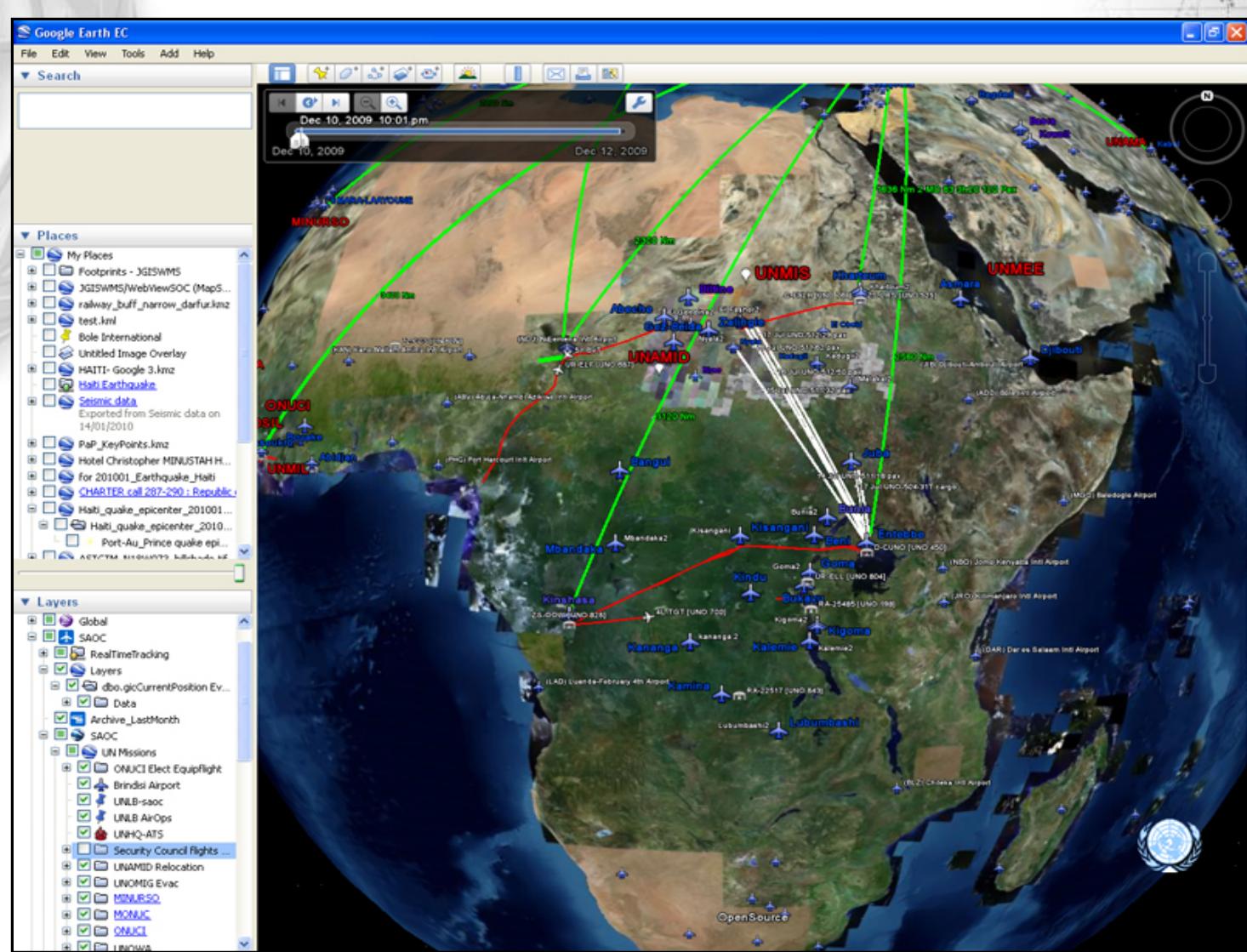
## Visualisation



## Treaty Maps

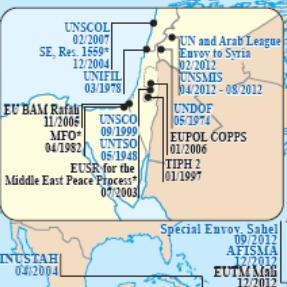


# UN Earth



# Global Peace Operations

## PEACE OPERATIONS 2012



UNRCCA 05/2007  
OSCE Centre in Ashgabat 01/1999

OSCE Centre in Bishkek 01/1999  
UNAMA 03/2002  
ISAF 12/2001  
EUSR for Afghanistan 12/2001  
EU POL Afghanistan 06/2007

The boundaries and names shown and the designations used may not imply official endorsement or acceptance of the description or classification of the area or entity.

Dashed line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties.

Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

A dispute exists between the Government of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas).

Dates following the abbreviated mission names represent dates of effect (for UN missions), and start dates (for non-UN missions).

\* Missions whose headquarters are outside area of operational area.

AFIGMA: African-led International Support Mission for Mali, Bamako  
MINURSO: UN Mission for the Referendum in Western Sahara, Laayoune  
MINUSTAH: UN Stabilization Mission in Haiti, Port-au-Prince  
MONUSCO: UN Organization Stabilization Mission in the Democratic Republic of the Congo, Kinshasa  
UNAMA: UN Assistance Mission in Afghanistan, Kabul  
UNAMI: UN Assistance Mission for Iraq, Baghdad  
UNAMID: AU-UN Mission in Darfur, Al Fasher  
UNAMID: AU-UN Mission in Darfur, Al Fasher  
UNDOF: UN Disengagement Observer Force, Camp Faewar  
UNIFICYP: UN Peacekeeping Force in Cyprus, Nicosia  
UNIFIL: UN Interim Force in Lebanon, Naqura  
UNISFA: UN Interim Security Force for Abyei, Abeyi  
UNMIK: UN Interim Administration Mission in Kosovo, Pristina  
UNMIL: UN Mission in Liberia, Monrovia  
UNMISS: UN Mission in South Sudan, Juba  
UNMIT: UN Integrated Mission in Timor Leste, Dili  
UNMOGIP: UN Military Observer Group in India and Pakistan, Srinagar and Rawalpindi  
UNOCOL: UN Operation in Côte d'Ivoire, Abidjan  
UNTSO: UN Truce Supervision Organisation, Jerusalem

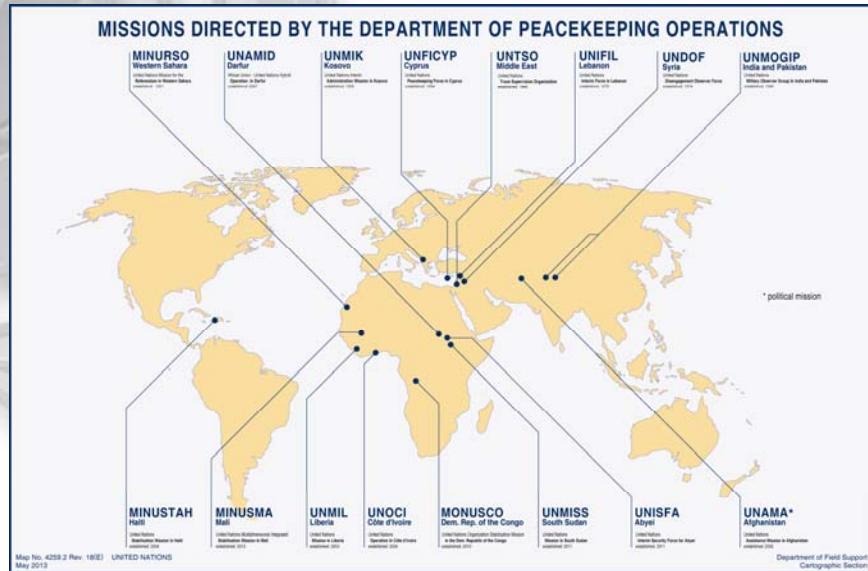
BINUCA: UN Integrated Peacebuilding Office in the Central African Republic, Bangui  
BNUB: UN Office in Burundi, Bujumbura  
BNUC: Cameroon - Nigeria Mixed Commission, Dakar; operates in Abuja and Yaoundé  
Personal Envoy, Western Sahara, New York  
Personal Representative of the Secretary General on the border controversy between Guyana and Venezuela  
Special Adviser, Cyprus, New York  
Special Envoy, Implementation of Resolution 1555, New York  
Special Envoy the Sahel, Rome  
Special Envoy Sudan and South Sudan, New York  
UNDOFBIS: UN Integrated Peacebuilding Office in Guinea-Bissau, Bissau  
UNIPSIL: UN Integrated Peacebuilding Office in Sierra Leone, Freetown  
UNODCA: UN Office for Central Africa, Libreville  
UNOWA: UN Office in West Africa, Dakar  
UNOPS: UN Political Office for Somalia, Mogadishu  
UNRCCA: UN Regional Centre for Preventive Diplomacy for Central Asia, Ashgabat  
UNSCO: Office of the UN Special Coordinator for the Middle East, Jerusalem  
UNSCOL: Office for the Special Coordinator for Lebanon, Beirut

AMISOM: African Union Mission in Somalia, Mogadishu  
AU Liaison Office in Burundi, Bujumbura  
AU Liaison Office in Chad, N'Djamena  
AU Liaison Office in Côte d'Ivoire, Abidjan  
AU Liaison Office in Guinea-Bissau, Bissau  
AU Liaison Office in Kenya, Nairobi  
AU Liaison Office in Libya, Tripoli  
AU Liaison Office in Somalia, Mogadishu/Nairobi  
AU Liaison Office in South Sudan, Juba  
AU Liaison Office in Sudan, Khartoum  
AU Liaison Office in the Central African Republic, Bangui  
AU Liaison Office in the Comoros, Moroni  
AU Liaison Office in the Democratic Republic of the Congo, Kinshasa  
AU Liaison Office in Western Sahara, Laayoune  
AU Liaison Office in Timor Leste, Dili  
AU Special Envoy on the LRA, Bangui  
AUSADCO Liaison Office in Madagascar  
AU/UNAMID Joint AU-UN Chief Mediator for Darfur 08/2008  
AU Liaison Office in the DRC 10/1999  
AU Regional Task Force on the LRA 11/2011  
CNMC\* 04/2004  
BINUCA 03/2000  
AU Special Envoy on the LRA 11/2011  
AU Liaison Office in the CAR 10/2010  
MICOPAX 07/2008  
MONUSCO 05/2010  
EUPOL RD Congo 07/2007  
EUSEC RD Congo 06/2006  
EUFOR RD Congo 03/2005  
AU Liaison Office in the DR Congo 04/2010  
EUSR in the Horn of Africa\* 12/2011  
KNDR 01/2008  
EUTM Somalia 04/2010

EUCAP NESTOR: EU Mission on Regional Maritime Capacity Building in the Horn of Africa, Djibouti  
EUCAP SAHEL: Niger: EU CSDP Mission in Niger, Niamey  
EUFOR ALTHEA: EU Military Presence in Bosnia and Herzegovina, Sarajevo  
EUFOR LEX: Iraq, Jordan  
EULEX KOSOVO: EU Rule of Law Mission, Pristina  
EUMM: EU Monitoring Mission in Georgia, Tbilisi  
EUPOL: EU Police Mission in Bosnia and Herzegovina, Sarajevo  
EUPOL Afghanistan: EU Police Mission in Afghanistan, Kabul  
EUPOL COPPS: EU Police Mission for the Palestinian Territories, Ramallah  
EUPOL: EU Police Mission in the Democratic Republic of the Congo, Kinshasa  
EUSSEC RD Congo: EU Security Reform Mission in the DRC, Kinshasa  
EUSIS: EU Stabilisation Mission in Libya, Tripoli  
EUFOR for Central Asia, Brussels  
EUFOR for the Horn of Africa, Brussels  
EUFOR for the Middle East Peace Process, Brussels  
EUFOR for the Western Balkans, Brussels  
EUFOR for the Southern Mediterranean Region, Brussels  
EUFOR in Bosnia and Herzegovina, Pristina  
EUFOR: EU Training Mission in Mali, Bamako  
EUAT: EU Training Mission in Georgia, Tbilisi  
EUAT: EU Training Mission in Montenegro, Podgorica  
EUAT: EU Training Mission in Serbia, Belgrade  
OSCE Mission to Skopje  
OSCE Mission in Baku  
OSCE Mission in Yerevan  
OSCE Mission in Tashkent  
RAMSI: Regional Assistance Mission in the Solomon Islands, Honiara - Pacific Islands Forum  
TIPH 2: Temporary International Presence in Hebron, Hebron

JOC: Joint Central Commission Peacekeeping Force, Transnistria  
KFOR: Kosovo Force, Pristina  
KNOB: AU Mission of East African Personalities, Kenya Dialogue and Reconciliation, Nairobi  
MAPS: UN Mission to Support the Peace Process in Colombia, Bogota  
MFOP: Multinational Force and Observers, Rome  
MICOPAX: Economic Community of Central African States Mission for building peace in Central Africa, Bangui  
NTM-I: NATO Training Mission in Iraq, Baghdad  
OMAR: UN Mission in Cambodia, Phnom Penh  
Operation Ocean Shield, Northwood  
OASAZ: OAS Office in the Adjacency Zone between Belize and Guatemala, Adjacency Zone  
Operation License, Abidjan  
OSCE BH: OSCE Mission to Bosnia and Herzegovina, Sarajevo  
OSCE Centre in Ankara  
OSCE Centre in Astana  
OSCE Centre in Bishkek  
OSCE Mission to Montenegro, Podgorica  
OSCE Mission to Serbia, Belgrade  
OSCE Mission to Skopje  
OSCE Mission in Baku  
OSCE Mission in Yerevan  
OSCE Mission in Tashkent  
RAMSI: Regional Assistance Mission in the Solomon Islands, Honiara - Pacific Islands Forum  
TIPH 2: Temporary International Presence in Hebron, Hebron

# UN Peace Operations Statistics



## Peacekeeping Budgets

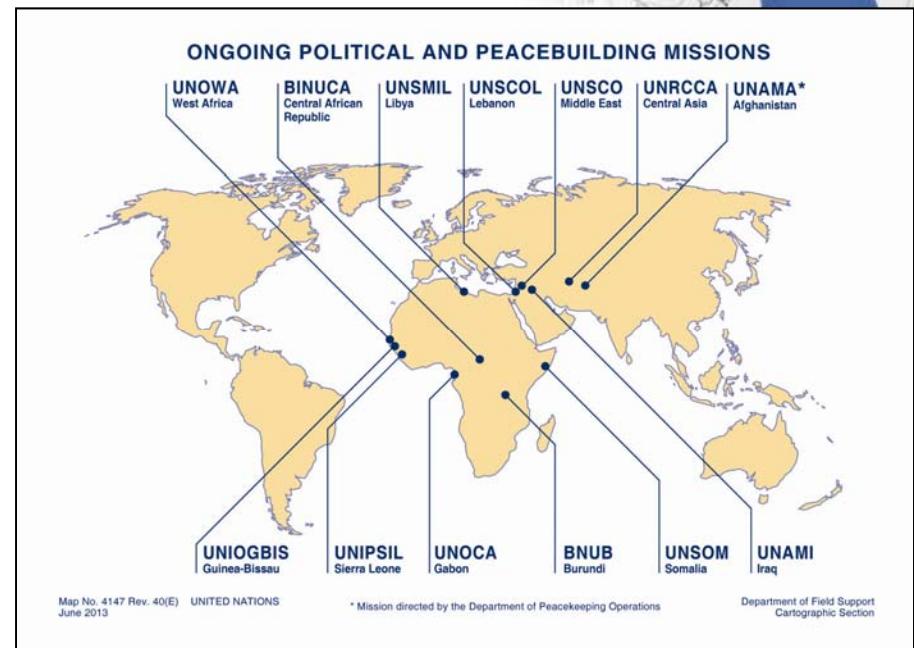
- Jul 2013 - Jun 2014: \$7.2 billions
- Jul 2012 - Jun 2013: \$7.2 billions
- Jul 2011 - Jun 2012: \$7.8 billions



## Personnel

- Current operations
- Uniformed personnel
- International civilian
- Local civilian
- UN Volunteers
- Total:

PKO	PBO
16	13
90,241	456
5,084	1,280
11,730	2,429
2,076	96
<b>109,247</b>	<b>4,261</b>



# UN Peace Operations



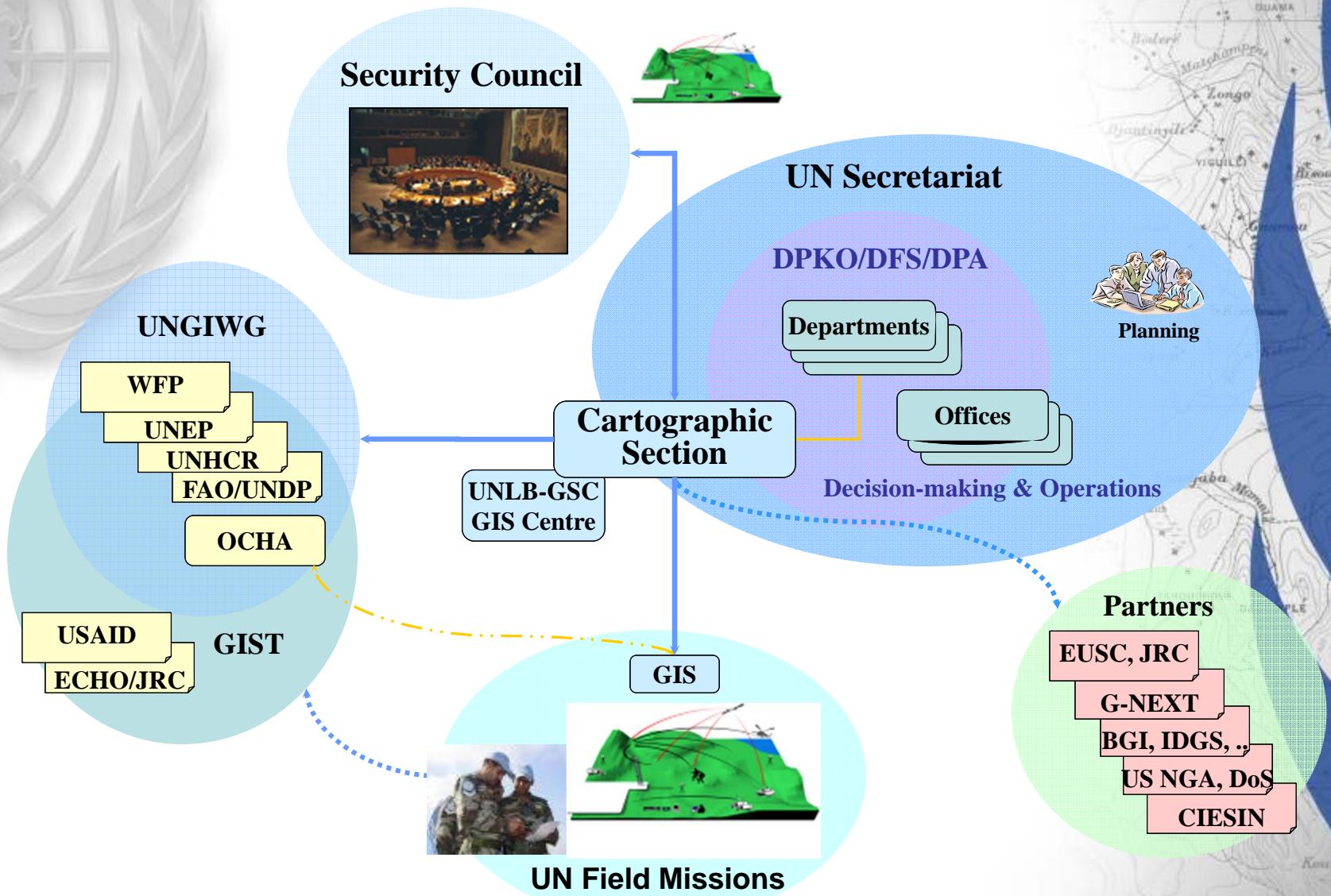
# Typical Challenges to the UN

## Gap analysis for UNMIS (Sudan):

As of April 2005

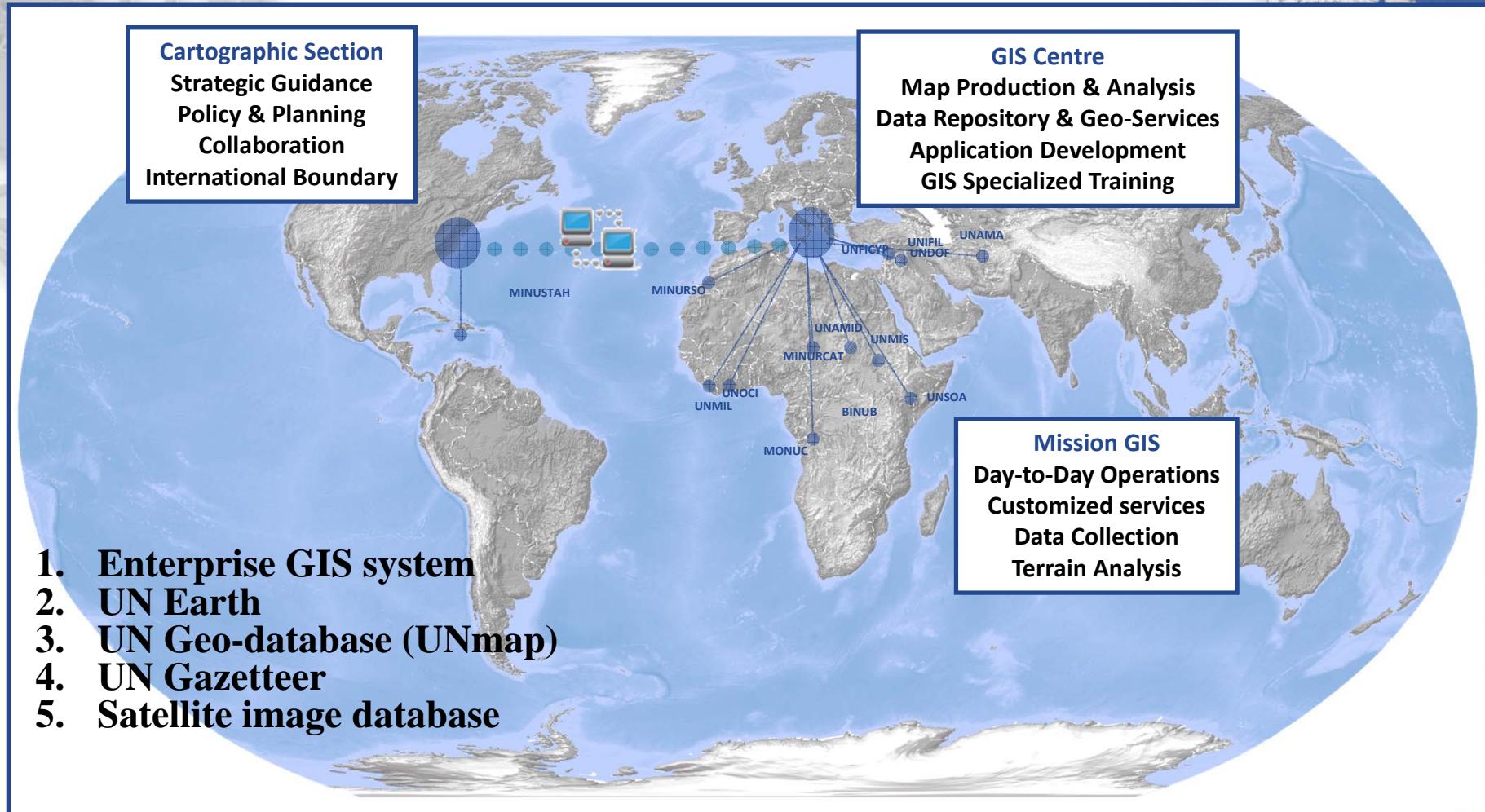
Requirement	Map scale	Data Availability				
		Paper maps	Vector data	Digital elevation	Satellite imagery	
Overview Strategic plan	1:1,000,000	ONC available, outdated	DCW avail, outdated	DEM/DTED-0 available	LandSat NaturalVue	
Strategic & operational	1:500,000	TPC, Russian, Swiss - outdated	Not available. Darfur, Nuba	DEM/DTED-1 available		
Operational	1:200,000 1:250,000	Sudan, Russian - outdated. JOG not completed.	Not available except partial	SRTM, SPOT (not procured yet)	SRTM, SPOT (not procured yet)	
Tactical	1:100,000	Russian/Sudan - partial, not avail, outdated.	Not available			
MilObs/CivPol	1:50,000	Not existence.	Not available		EROS	
City & Street	1:20,000	Not existence. Khartoum, Port Sudan			QuickBird IKONOS	

# UN Peace Operations GIS concept: Common Operating Picture

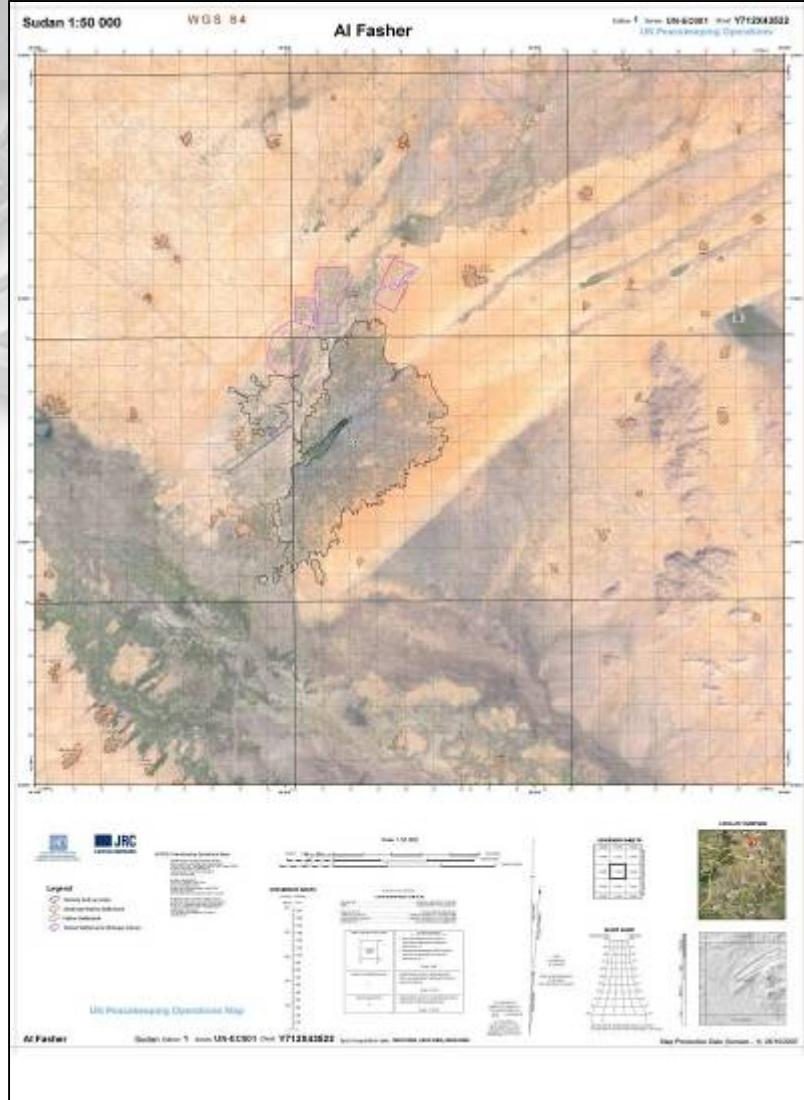


# UN Global GIS Infrastructure

## 3-tier: UNHQ–UNLB/GSC–Missions

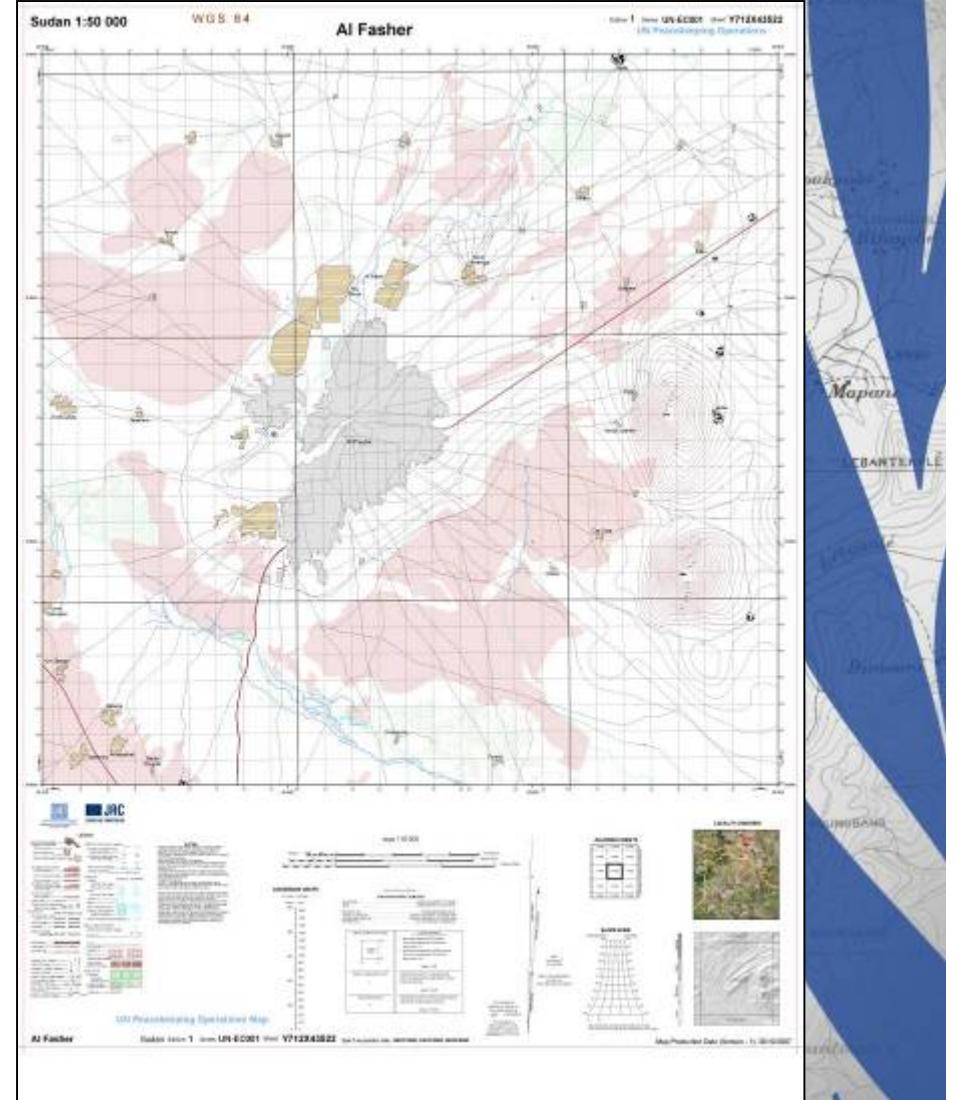


# Mapping & Geo-Databases



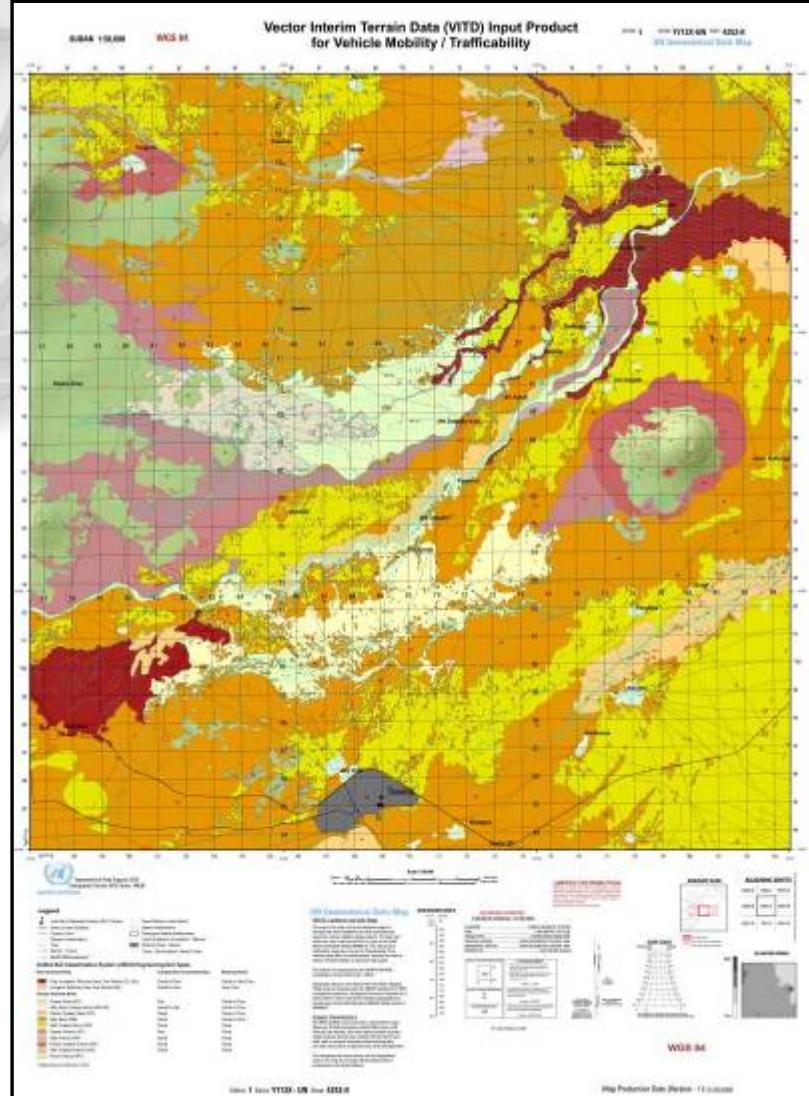
UN Cartographic Section

UNHQ, 19 August 2013



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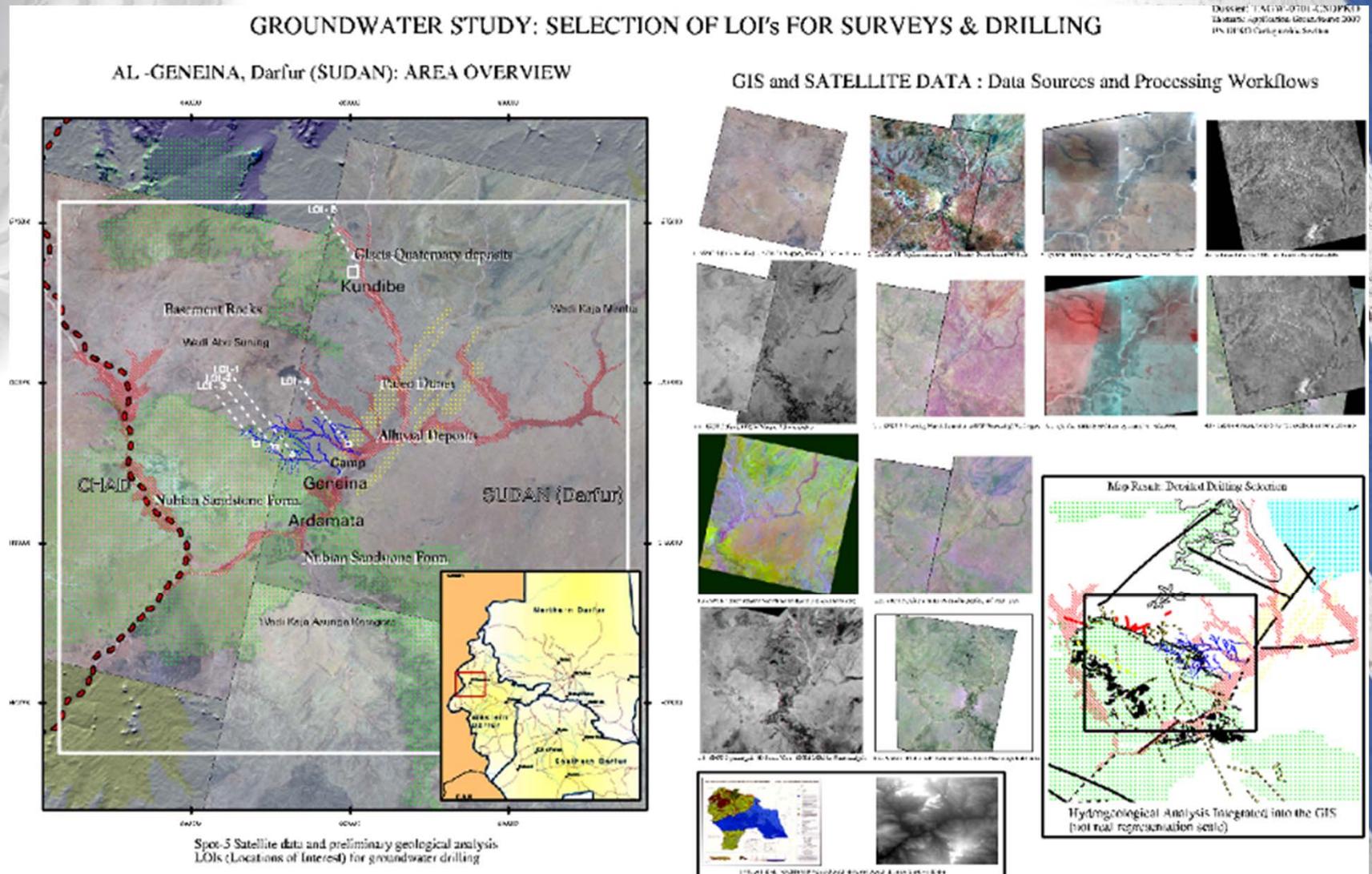
# Terrain Analysis (Trafficability)



Field movement challenges



# *Underground Water Exploration*



# Incident reporting

The image displays a composite view of UNIFIL's incident reporting system. On the left, a map of the Lebanon-Israel border shows various incident locations marked with icons like stars and crosses. Below this map is a photograph of United Nations peacekeepers providing medical aid to a wounded individual. On the right, a screenshot of a Google Earth interface shows a detailed satellite map of the same region. A red circle highlights the timeline control bar, which spans from 9/22/2011 to 2/4/2013. Another red circle highlights the 'Layers' panel, which lists numerous types of incidents such as 'Air violation', 'Animal crossing', 'Armed hunters', etc. The bottom of the Google Earth window includes technical details like 'Imagery Date: 1/1/2005', '1990', 'OpenSource UNIFIL JGIS UNDOF JGIS Maps', and coordinate information.

UNIFIL - SOIR

Today Yesterday Last week

LEBANON

ISRAEL

UN Cartographic Section

UNHQ, 19 August 2013

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# Safety & Security Support

The screenshot displays a Geographic Information System (GIS) interface with two main maps and a data grid.

**Top Map:** Shows a satellite view of Camp Farah, a large compound near a body of water. Various locations are marked with icons and labeled, such as "Special Mail," "Special Areas," and "13st Wazir Akbar Khan, next to UNHCR Guesthouse." A legend on the left identifies symbols for International, National, S, V, and Nat specific categories.

**Bottom Map:** Shows a satellite view of the UN Headquarters (UNHQ) area in New York City, highlighting buildings and landmarks along the coastline.

**Data Grid:** A table listing personnel information for the UNHQ area.

Address	Guesthouse ID	Mobile	Call Sign	Location	Section	Warden Recruit/Blood	Warden Name	Type	Photo	Emergency	GlobalID
13st Wazir Akbar Khan, next to UNHCR Guesthouse	NA	700182734	KQ 41	Kabul	SRSG Political	A+	Zulfiqar Bhat	I			{EE64A3C-E5B9-4C6B-A9A0-384EF0992E71}
13st Wazir Akbar Khan, next to UNHCR Guesthouse	NA	700093844	KQ 323	Kabul	Field Support	Amir	Zulfiqar Bhat	I			{7663B5EA-425E-4B17-B0AB-F33A2F99AF5A}
13st Wazir Akbar Khan, next to UNHCR Guesthouse	NA	799772572	KK 945	Kabul	Human Rights	B+	Zulfiqar Bhat	I			{EBC2545B-A584-42CF-A36E-B1A0B669E44}
						O+	Zulfiqar Bhat	I			{2F1F9D70-59B1-4C32-8534-0DDCF92D3DCB}
						All+	Zulfiqar Bhat	I			{E855989C-4661-4930-BCE6-22CC4DE7CF67}

# ERP – Resource Management

**Left Window: MONUC Assets Distribution and Concentration**

**Results**

- Clear All
- Find Assets by Name [2]
  - KISANGANI
  - KINGWASA

Location	Description
KISANGANI	4X4 GENERAL PURPOSE
MONUC-AIR-KINSHASA	0
MONUC-AIR-LUBUMBASHI	0
MONUC-AIR-MATADI	0
MONUC-AIR-MONROVIA	0
MONUC-AIR-NAIROBI	0
MONUC-AIR-SALVADOR	2
MONUC-AIR-SANTIAGO	2
Set Purchase Date	2013-02-02
Supplier ID	2

**Map Contents**

- PCTUDATA
  - Assets in Use
    - Between 1 and 600
    - Between 600 and 2000
    - Between 2000 and 5000
    - Above 5000
  - Units in Stock
    - Between 1 and 100
    - Between 100 and 1000
    - Between 1000 and 5000
    - Above 5000
- Feeding Write Off
- Assets Distribution
- MONUC Flight Routes

**Right Window: UNHQ, 19 August 2013**

**Search Results**

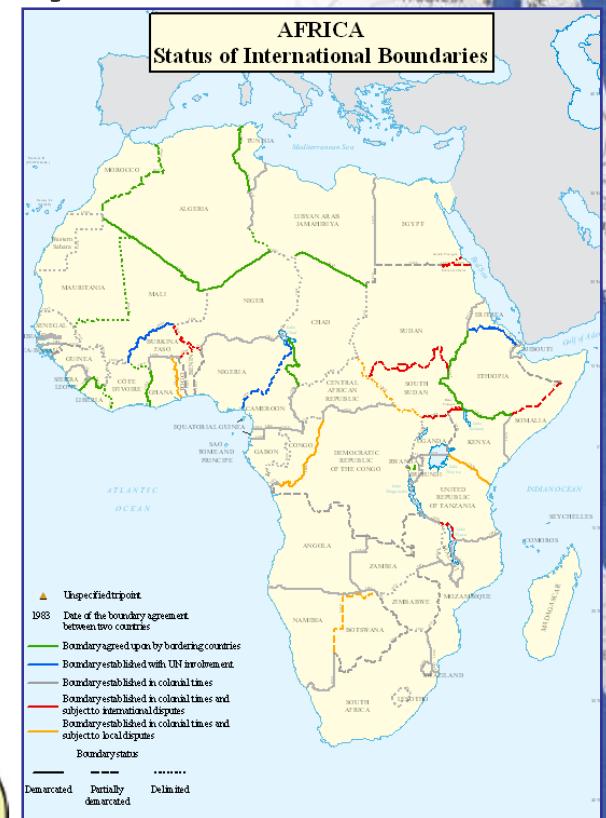
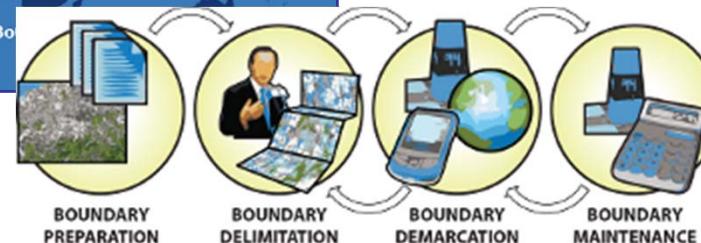
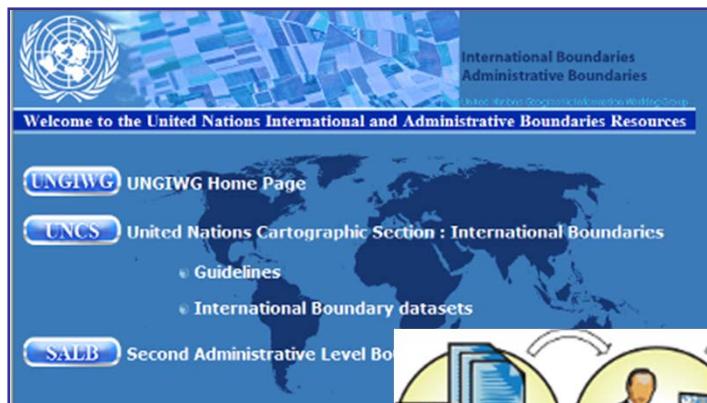
Location	Description	Year(Mt)	Year(Tb)	Max
BENI	BINOULAR	22	\$1,735.78	2
BILAVU	BINOULAR	1	\$78.05	1
BUNGA	BINOULAR	37	\$6,093.26	2
GOMA	BINOULAR	13	\$4,006.78	1
KALEMIE	BINOULAR	7	\$1,363.06	1
KANANGA	BINOULAR	10	\$1,493.03	1
KAMPALA	BINOULAR	3	\$311.40	1
KISANGANI	BINOULAR	24	\$1,776.78	3
KINGWASA	BINOULAR	45	\$41,445.18	1
LUDUPAIGHI	BINOULAR	42	\$2,759.46	1
Mbandaka	BINOULAR	3	\$3,068.06	1
MINI MUYI	BINOULAR	31	\$4,388.08	1
MINOU	BINOULAR	16	\$2,023.06	1
SANDUNDI	BINOULAR	3	\$1,666.96	1
ONTIEBE	BINOULAR	1	\$65.70	1

# International Boundary Issues

**UN Cartographic Section provides technical assistance and guidance on international boundary issues**

*Activities include:*

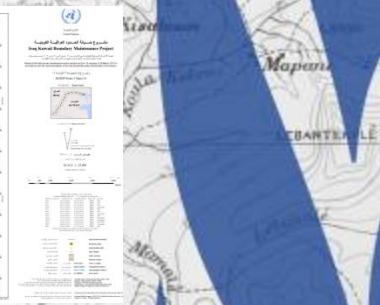
- ⇒ Provide analysis and guidance to queries raised by UN Secretariat and UN Family
- ⇒ Provide direct technical assistance to Member States for boundary delimitation & demarcation



# International Boundary Projects

## - Iraq-Kuwait Boundary Maintenance Project (IKBMP)

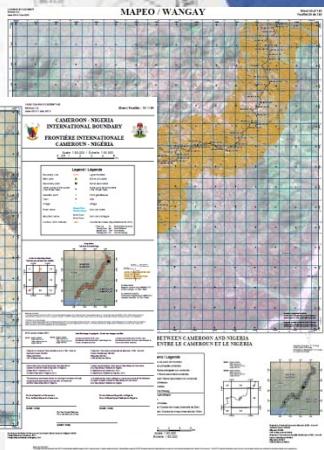
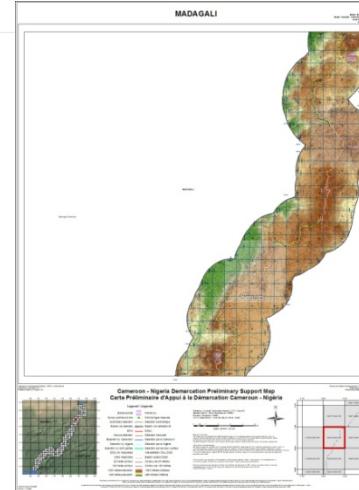
- Iraq-Kuwait Boundary Demarcation Commission's (IKBDC) recommendation and Security Council Resolution 833 (1993)
- Initiated in September 2005 – entrenchment in October 2008
- Reactivation in May 2012, followed by Quick field assessment in June 2012
- IKBMP technical team in the border area for physical field maintenance
- *Mapping of the border area and reporting to the Security Council*



# International Boundary Projects

## - Cameroon-Nigeria Mixed Commission (CNMC)

- . International Court of Justice's (ICJ) judgment in 2002
- . Watershed workshop in August 2011
- . CNMC Working Session in June 2013



# *Thank you*



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