



United Nations | Geospatial

SALB Goals



Identify and maintain of **authoritative contact information** of the National Geospatial Authorities responsible for administrative boundaries **validation**



Compile **complete and consistent** GIS dataset **worldwide** for administrative boundaries and names at first and second level below national, at 1 million scale;

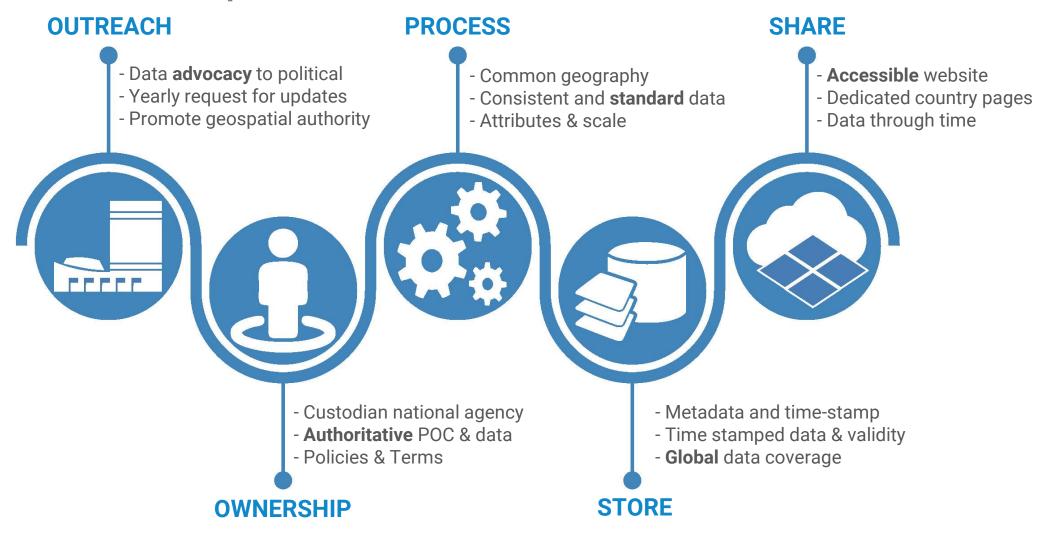


Maintain a table overview of **historical changes** (data through time) of national administrative units and names





SALB Overall process



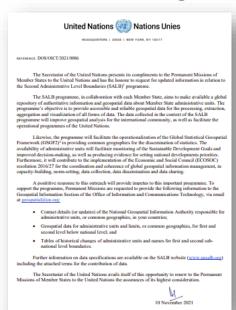


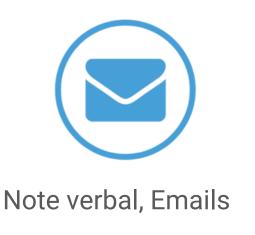


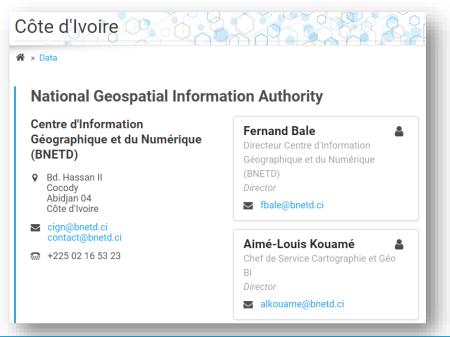


Outreach to National Authorities

- Liaise with the relevant National Offices in charge of the common geographies
- Ensure a consistent coordination of requests to the National office
- Provide for good data governance & custodianship











Current status of contact information



No data available

Contact details available



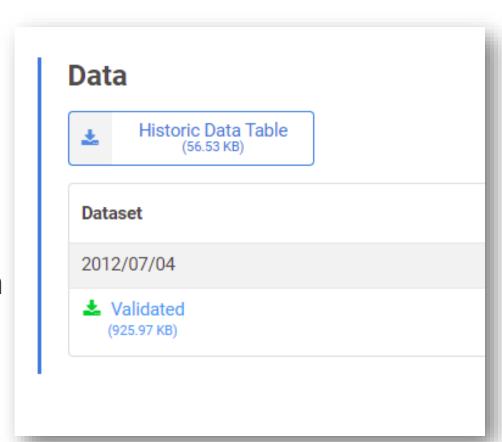




Data provision

National Mapping Agency provide data through:

- Upload through country page on SALB website
- Exchange via email
- Official in-person delivery by permanent Mission
- File transfer protocol (FTP)







Data Processing Standardization

SALB data specification

- **1. General Characteristics**: Terminology, classification, process, names, Data source.
- 2. Historical table: content, format, representation of historical changes, metadata
- **3. Coding system**: defining and assigning codes applied in both geospatial data and historical table
- **4. Geospatial data**: format, coordinated system, attribute table model, scale, data source, metadata





1. General characteristics:

- Geographical Names

Cameroon

Kadei

Kadeyi

Kadeï



Kupe-Manenguba

Koupe Manenguba



Koupé-Manenguba



Burundi

Ntanghawa

Ntahangwa



Bukinanvana

Bukinanyana







2. Historical changes:

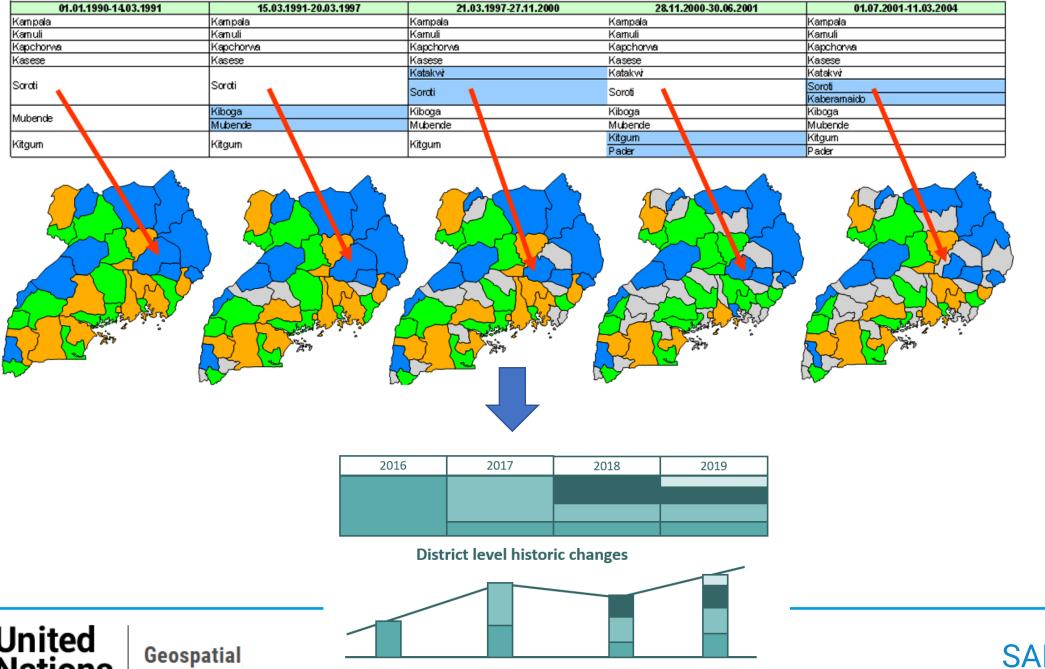
"Changing of events over the course of time"

In the context of SALB, this means capturing over **time** any significant **change** in the **name**, **geographic extent** or **position** in the structure of the administrative units of a given country

It is important to capture them because the administrative structure of a country changes through time and without this information it is difficult to "connect" statistics or information collected at different point in time







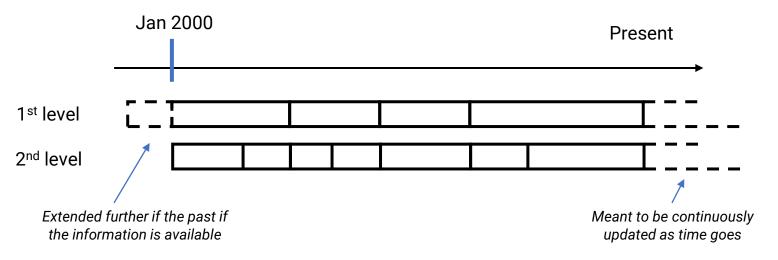


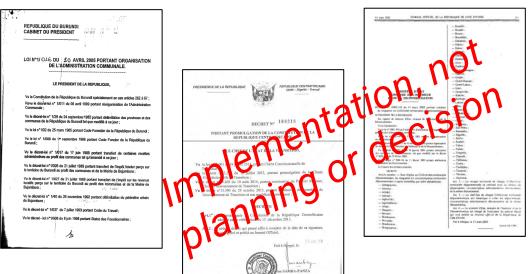


Historic changes - What is being captured and how?

Period being covered

Changes documented in official government document





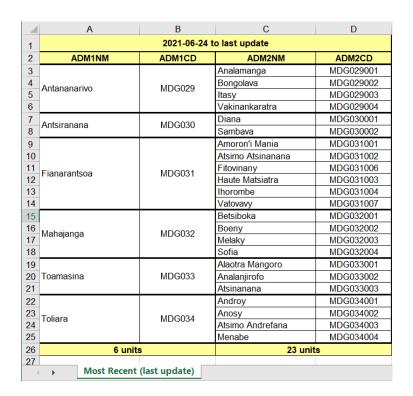






Historic changes - What is being captured and how?

Captured in a country specific MsExcel file containing 4 worksheets



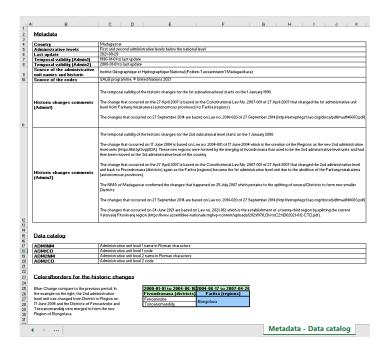
Must recent situation



Historic changes 1st level



Historic changes 2nd level



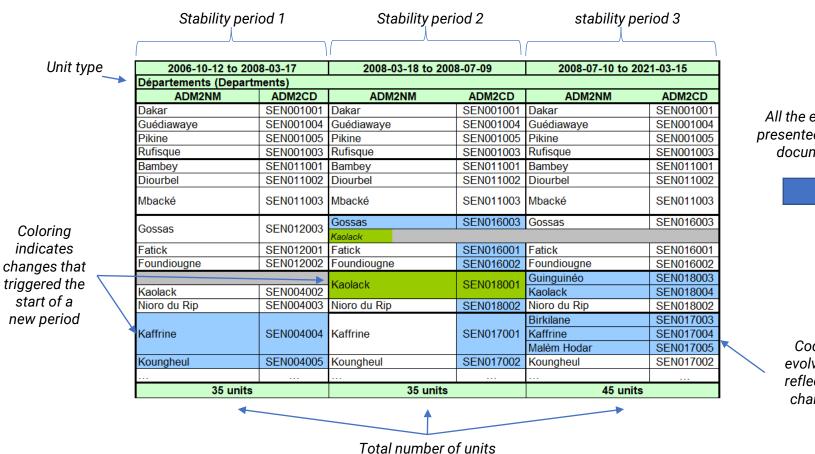
Metadata - Data catalog





Historic changes - What is being captured and how?

Elements in each historic changes table

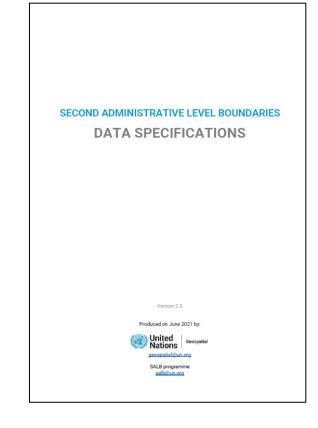


for the period

All the elements presented here are documented



Coding evolves to reflect the changes

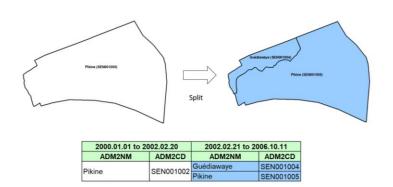


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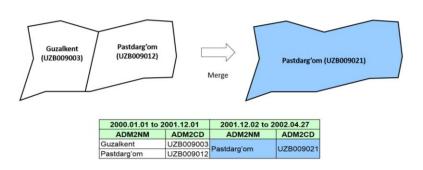




Historic changes - Which changes are being captured?



Split



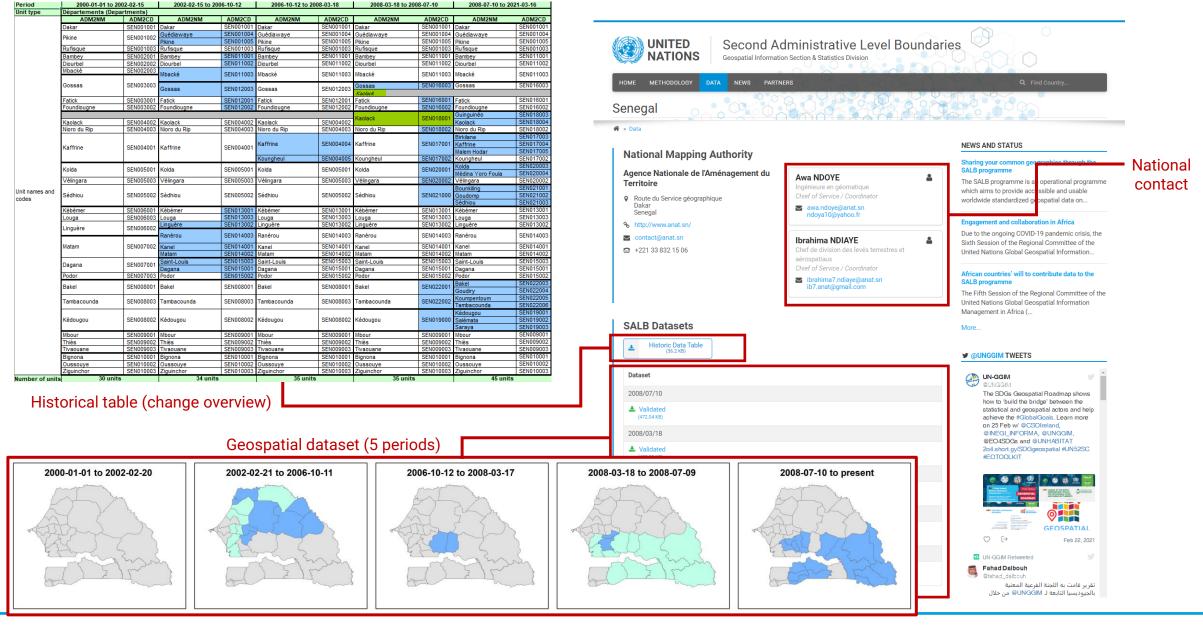
Merge

- Split
- Merge
- Renaming of administrative units
- Adding a new administrative level in the administrative structure
- Changing the administrative unit type for a given administrative level
- Removing a level in the administrative structure
- Re-introducing a level in the administrative structure

Include treatment of territories with special status (territory without administration or under national administration)











Current status for historical tables

No data available

Contact details available

Historical table validation on going

Historical table validated

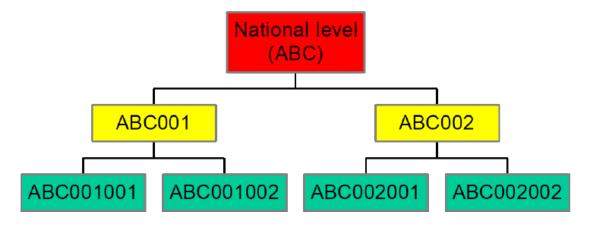






3. Coding System:

- Applied in both Historical table as well as Geospatial data
- Sequential distribution of code following alphabetical order
- National level coded as ISO3 Code of the country: ISO3CD
- 1st administrative units coded as ISO3CD
 + 3 digits: ADM1CD
- 2nd administrative units coded as ADM1CD + 3 digits: ADM2CD
- Coding Historical changes & Special area



- Example for Senegal: SEN
- Example for Dakar Region (1st admin level): SEN001
- Example for Pikine Departement (2nd admin level): SEN001005.





3. Coding System:

В	С	D	E	F	G	Н	I I
2000-01-01 to 2001-12-31		2002-01-01 to 2005-12-31			2006-01-01 to last update		What is the exact date when the 2nd administrative level change from Communes to Districts and Municipalities became officially effective (columns C and D)? Could we please have a copy of the official document (law, decree, resolution, etc.) mandating this change?
lmijyi (communes)		Uturere and Imijji (districts and municipalities)			Uturere (districts)		III NOT IC THE EVERY HORE HINEN THE ZER SHITHINGT STILLS ISLIED
ADM2NM	ADM2CD	ADM2NM		ADM2CD	ADM2NI	4	1
Cyumba	EV/A001002	Bungwe		RVA001016	Gicumbi		Is the way the historical changes are represented here fo the Districts and Municipalities in the Province of Byumba correct (columns C and D)?
Kivuye	RWA001010				Burera		
Kibali	RWA001007	Byumba		RVA001017			1
					Gicumbi		1
Buyoga	RWA001001	Kisaro		RVA001019	Rulindo	_	
			1147001013	Gicumbi	_	1	
Kinyami	RWA001008		RVA001023	Nyagatare		1	
Bwisige	RWA001002	Rebero				1	
				Gicumbi		1	
P	RVA001004				Burera		1
Cyungo	DWW001004	Kinihira	RVA001020	Gicumbi		1	
Tumba	RWA001015				Rulindo		
Giti	RWA001005	Rwamiko		RVA001022	Gatsibo		
Rutare	RWA001014				Gicumbi		
Kiyombe	RWA001009	Rushaki	RVA001021	Myagatare			
Mukarange	RWA001012			Gicumbi		1	
Muhura	RWA001011	Humure		RVA001018	Gatsibo		
Ch	DV48004000	W. 11					4
Gituza	RWA001006	Kahi				_	-
Ngarama	DV480040040	Ngarama	RVA001020	DV A 001000	Gatsibo		
	RWA0010013					-	
							Is the way the historical changes are represented here fo
Kahi	-				Alvadatare		Is the may the historical changes are represented here ro
Historic Changes (Admin1)	Historic	Changes (Admin2) Me	tadata - Da	ta catalog	(+)	: 4	
							Display Setting
							-M piny secting

Coding System





4. Geospatial data:

Administrative Units 1st & 2nd level Administrative units

Data Validity

Defined by official document. Single geospatial dataset per

period of representation

Uniform scale 1 million

Common data specifications Romanized names and attributions

Standard encoding format Polygon boundary Shapefile

Standard fields for attribute Country Name, ISO3CD, ADM1NM, ADM1CD, ADM2NM, table ADM2CD

Metadata ISO 19139 metadata content

Global coordinate system WGS84





4. Geospatial data: metadata sample

Standard format

ISO, XML implementation schema selected

Date source Date when the version was lastly update and created

Data source

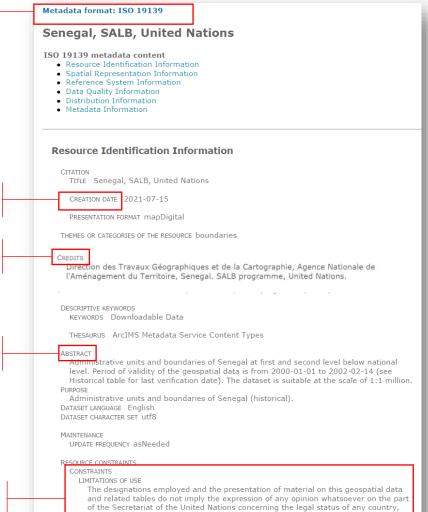
Contact information of the National Geospatial Information Authority responsible for administrative units and boundaries

Description

Details information related to type, period of validity, scale as set in the Data Specification

Disclaimer

Following United nations internal policies, rules and practices as governed by the administrative Instruction of the Secretariat of the United Nations concerning the "Guidelines for the Publication of Maps" (ST/AI/189/Add.25/ Rev.1 of 20 January 1997)

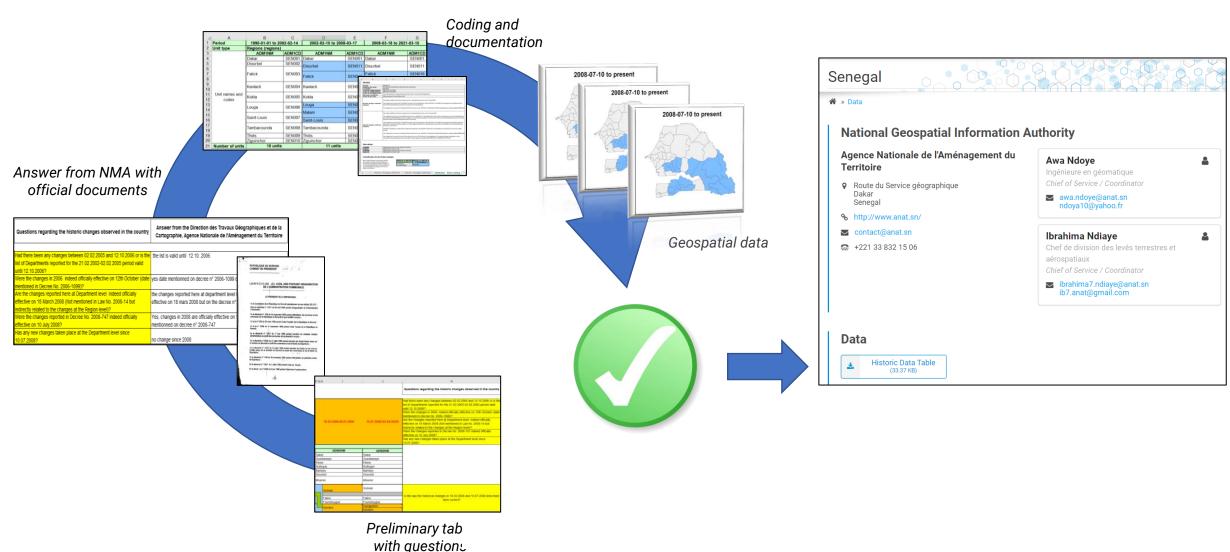


territory, city or area or of its authorities, or concerning the delimitation of its frontie





What is the process being followed?







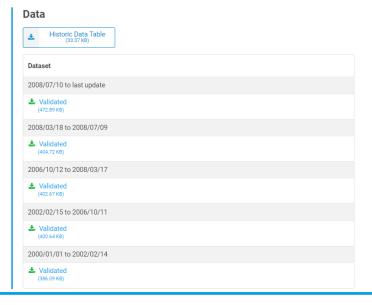
Dissemination and accessibility

Data published under SALB website is:

- compiled from Official documents (decree, laws, gazette)
- verified and validated by the National Geospatial Information Authority (NGIA) in the country
- Created from official documents, as the case of Historical changes tables
- Sourced from the NGIA and the Focal point which provides the validation is referenced on the SALB website

SALB website:www.unsalb.org









Current status for geospatial Data



Contact details available

Historical table validated and current geo

Historical table and geodata validated

Current and historical geodata published







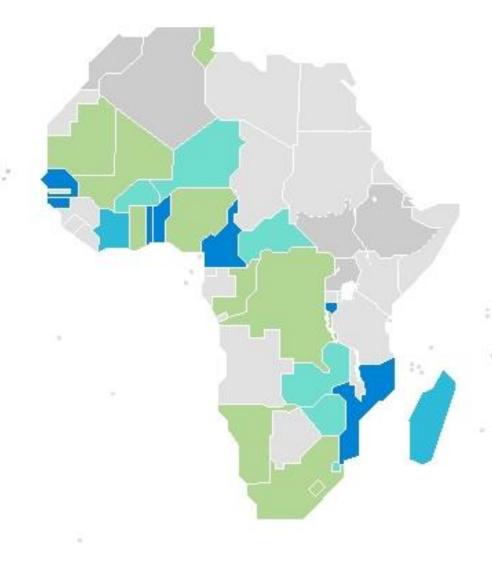
SALB status

Historical Table

Contact information

- No data available
- Contact details ava
- Historical table validated & current geodata ongoing
- Historical table validation on going
- Historical table and geodata validated
- Current and historical geodata published









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