

Overview of GIS in MSF-CH

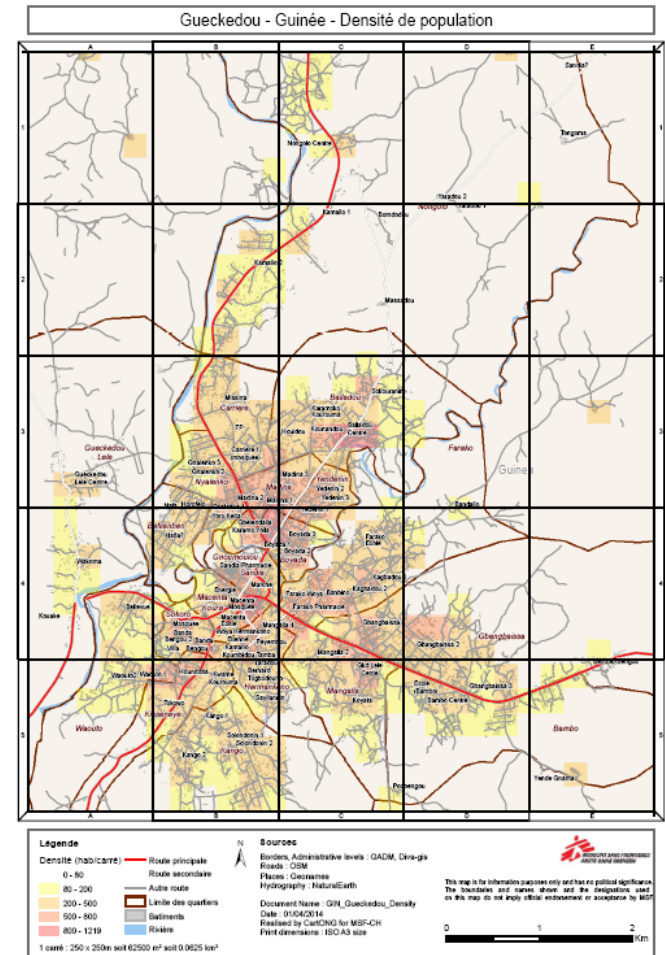
- ❑ Mid-2013, definition of GIS Strategy
 - Promoting the use of maps and other GIS products in the organisation.
 - Consolidating existing GIS capacity in MSF.
 - Ensuring good capacity to share information within MSF-CH and potentially across the organisation.
 - Ensuring participation and capacity building within the organisation.

- ❑ 2014 – Creation of an Operational GIS Unit for MSF-CH
 - Creation of the Internal Map Centre
 - First activation: Hayan Typhon - Novembre 2013
 - First Deployment: Ebola Crisis – March 2014



Ebola Crisis: an example of collaboration between GIS and Epidemiologic

- ❑ March 2014 – First deployment of a GIS officer
 - Working closely with epidemiological team
 - Localizing villages and settlements
 - Monitoring the outbreak
 - Added-value for all units: Outreach, log, comm...



Technical Challenges

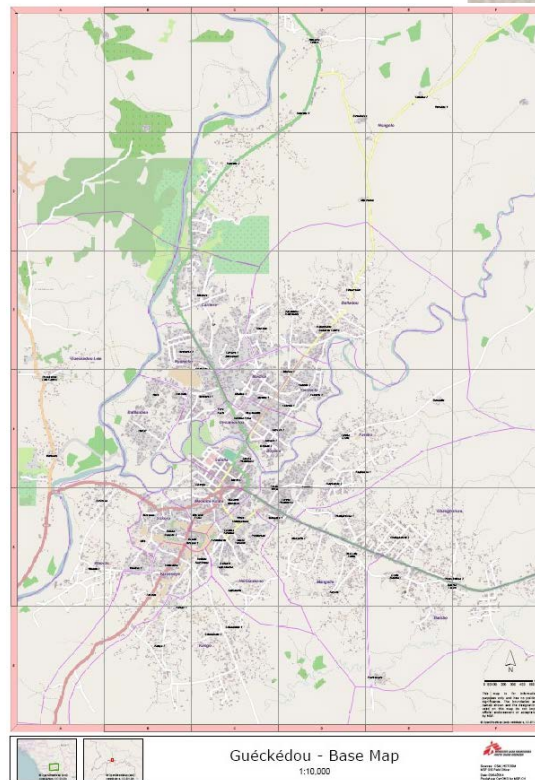
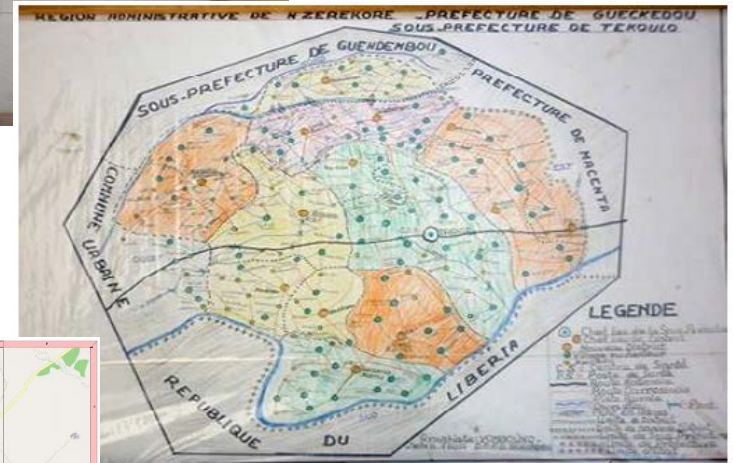
❑ Reference Data NON available

Data sources:

- Government
- Satellite Imagery/HOT
- Assistants: GPS points

❑ Data Management

- Cleaning
- Standardisation
- Compilation



Human Challenges

- ❑ Collaboration with Epidemiologic
 - Confidence for a good collaboration
 - Promote of use of GIS in an Emergency context

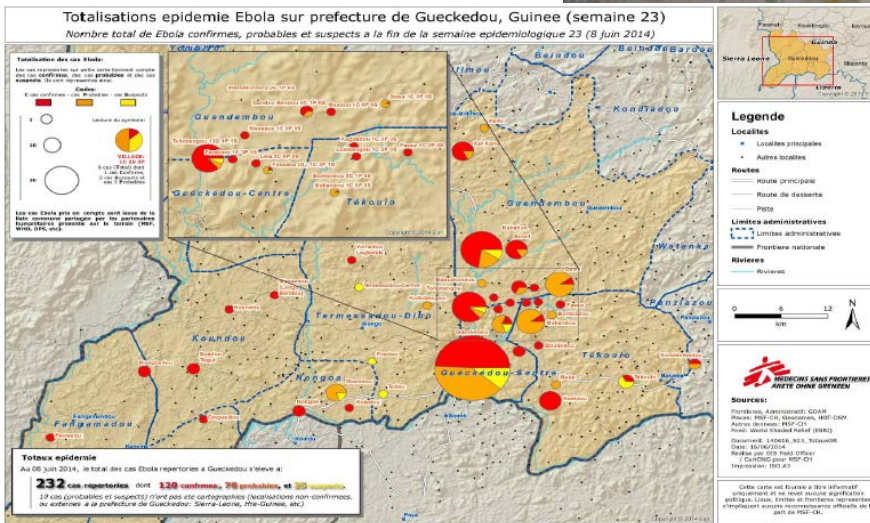
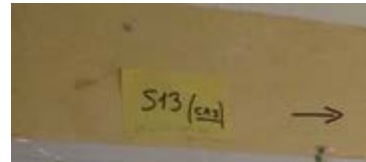


- ❑ Confidentiality of Data
 - Epidemiological data not sharable
 - Anonymized data
 - Compilation of data from multiple sources

Name	Comment	Semaine 4 à 12			Semaine 13					Semaine 14				
		S4a12S	S4a12T	S13C	S13N	S13P	S13S	S13T	S14C	S14N	S14P	S14S	S14T	
Exception carto	Cases travelling/hospitalized to Gueckedou but from Liberia, Sierra Leone, or others guinean areas with no weekly map follow-up (Macenta, Siguiré, etc.)	20	3	30	7	1	1		0	9	4	4	1	0
Gueckedou (Ville)		3		3			1			1				0
Gbandou				7	2					2				0
Meliandou		7		7	2					2				0
Dawa		3		7	1					1				0
Massakondou		5		0	1					1				0
Boulliéou		6		0						0				0
Kagbadou		7		0	1					1				0
Lolobengou		8		0						0				1
Tillobengou		9		0						0				1
Fassaba (T.)		10		0						0				1
Maadou		11		0						0				1
Sofedou		12		0						0				1
Dandou Bendou		13		0						0		1		0
Fassa		14		0						0				0
Fassaba (G.)		15		0						0				0
Moegbadou		16		0						0				0
Bombodou		17		0						0				0
Kat Kama		18		0						0				0
Foedou		60		0						0				0
Temessadou-Centre		20		0						0				0
Farakoro		21		0						0				0
Tekoulo		22		0						0				0
Peowaou Bassedou		23		0						0				0
Soadou Togui		24		0						0				0
Kelto		25		0						0				0

Epidemiological Products

- ❑ Success story !
 - 4 GIS officers on the ground
 - Useful support
 - Useful products



Sharing information

- ❑ Sharing Data or sharing information ?
 - Map Centre: internal tool for sharing GIS products.

The screenshot displays the OC Geneva - Map Centre website. At the top left is the logo for MEDECINS SANS FRONTIERES. The navigation bar includes links for HOME, CATALOG, REQUEST FORM, SUBMISSION, and TOOLS. A search bar on the right contains the text "Search map...". Below the navigation bar, the page shows "SEARCH RESULTS (52 ITEMS)". On the left side, there is a "PREVIEW" section with a map of West Africa and a "FILTER" section with dropdown menus for COUNTRIES, THEMES, ORGANIZATIONS, FORMATS, and YEARS. The main content area is a grid of 16 search result cards, each featuring a map thumbnail and a title. The titles include:

- West Africa - Humanitarian Presence - 17 Sept 2014
- West Africa - Core Services - Ebola Treatment Cent...
- Democratic Republic of Congo - Equateur - Ebola
- Sierra Leone - Humanitarian Operational Presence a...
- Nigeria - Humanitarian operational presence for t...
- Liberia - Humanitarian operational presence for t...
- Guinea - Humanitarian Presence in response to EVD
- West Africa - EVD Outbreak Overview (as of 29th Au...
- West Africa - Ebola Outbreak - 27 August 2014
- Democratic Republic of Congo - Equateur - Ebola
- West Africa - Ebola Outbreak - 23 August 2014
- West Africa - Ebola Outbreak Ressources - 21 Augus...
- West Africa - Ebola Outbreak - 21 August 2014
- West Africa - Ebola Outbreak - 18 August 2014
- Guinea - Gueckedou - Atlas Total Cases
- West Africa - EVD Outbreak Overview (as of 18th Au...

Thanks for your attention