



Proceedings of the Geographical (GIS) Mapping and Data Sharing Workshop

Date: 19 and 20 November 2009, 10.00 am – 4.00 pm
Venue: Government Accountancy Training Centre (GATC)
Minutes: BSF secretariat
Attendance: See annex 1 and 2
Agenda:

Starting time	Presentation / topic	Presented by:
DAY 1	INFORMATION SHARING ON AVAILABLE MAPS	
10:07	Opening and introductions	Dr. Olivia Lomoro, DG of Research, Planning and Health Systems Development, Ministry of Health
10:16	Mapping and geospatial information in development	Juerg Krauer, Sr. Research Scientist, Programme Coordinator GIS, Centre for Development and Environment (CDE), Bern, Switzerland ¹
11:25	Sharing of information (I)	David Oremo, Crisis and Recovery Mapping and Analysis (CRMA), UNDP
12:25	A gentle introduction to spatial data management and GIS	Christian Hergarten, Research Scientist, CDE, Bern, Switzerland
12:45	Lunch	
13:45	Sharing of information (II)	Richard Lako, Director of Monitoring and Evaluation, Ministry of Health (MoH)
	Sharing of information (III)	Hakim Dabi, Deputy Director Data and Statistics, Ministry of Education (MoEST)
	Sharing of information (IV)	Isaiah Seme Longa, Ministry of Water Resources and Irrigation (MWRI)
	Sharing of information (V)	Joseph Abeya, GIS Specialist, UNOCHA
	Sharing of information (VI)	Venkat Deeravath, GIS Manager, UNJLC
	Sharing of information (VII)	Bernard Karimi, GIS Officer, UNHCR

¹ CDE currently provides technical assistance to the Government of Southern Sudan to prepare base maps. This project, “Southern Sudan thematic overview and topographic base map surveys” is part of the “Capacity Development Programme in Geoinformation Management”, funded by the Swiss Agency for Development and Cooperation (SDC) to support the Government of Southern Sudan. CDE’s website: www.cde.unibe.ch provides access to geospatial information on Southern Sudan. This website provides the option for a free download of maps that can also be ordered in paper copy. Interactive web mapping can be done on this website as well, and shapefiles can be downloaded.



Starting time	Presentation / topic	Presented by:
16:10	Discussion on Way Forward	Kate Louwes, Team Leader BSF Secretariat
DAY 2	WORKING WITH GIS	
10:30	Recapitulation of Day 1	Clarissa Mulders, Water and Sanitation expert, BSF Secretariat
11:30	Integrating Spatial data in the Planning Process	Juerg Krauer, Sr. Research Scientist, Programme Coordinator GIS, Centre for Development and Environment (CDE), Bern, Switzerland
12:35	Introduction of basic tools and workflows	Christian Hergarten, Research Scientist, CDE, Bern, Switzerland
13:25	Lunch	
14:05	Technical discussion	Plenary
15:05	Land use mapping in Ethiopia - A case study	Christian Hergarten, Research Scientist, CDE, Bern, Switzerland
15.30	Closure of the workshop	Geerte van der Meijden, M&E Officer, BSF Secretariat

The Guest of Honour of the workshop was Dr. Olivia Lomoro of the Ministry of Health. Dr. Lomoro opened the workshop, after all participants introduced themselves. She discussed the need for GIS mapping for effective planning, and the expected presently occurring duplication of mapping activities. Dr. Lomoro touched upon the challenges in the fields of planning, resulting in the currently ongoing GIS mapping exercise at the Ministry of Health. This mapping aims to map location and available services of health facilities, and determine equity differences in access to health services. Dr. Lomoro indicated their strong commitment to acquire, use and provide health services information using GIS at state level. She informed the audience that mapping of health facilities has meanwhile been completed in seven states. Dr. Lomoro thanked the participants for participating in this important workshop, and concluded her speech by introducing the agenda for the workshop to the audience.

During the first day of the workshop, CDE first gave an overview of mapping and geospatial information in development, as well as an introduction in spatial data management and GIS. The rest of the day was spent on short presentations of participating organizations using GIS as a planning tool, on the mandate of the organization with regard to GIS mapping, the activities of the organization in the field of mapping and the data and maps that can be made available by the organization. A summary of these presentations is given in Table 1. The presentations of the workshop are provided on BSF's website: www.bsf-south-sudan.org. During the second day of the workshop, the application of GIS for planning was discussed in more detail, including a description of the prospects of using open source GIS and database software. A clinic, where individual participants could discuss specific GIS challenges and receive specific technical back-up from CDE, was planned for, to take place during the following week. Specific questions on design of field data collection exercises and technical challenges with sharing data with different formats was briefly discussed, as well as the need for developing metadata for every dataset within the particular dataset. The prospects of using the UN developed software DevInfo 5.0 as a database tool to monitor progress in attaining MDG goals at national level, as used by MoH and MoEST were briefly discussed. This customised software for Southern Sudan is available on the Internet (Mic Southern Sudan.mdb). The last topic of the workshop included a case study on land-use mapping in Ethiopia.

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Both days, discussions were held on the way forward regarding data sharing, data collection overlaps and lacking data collection, as well as data sharing protocols. Data sharing is currently ad-hoc, mostly at national level only, and depends on the goodwill of the institution or NGO having the information. For example, the NGO forum provided last year budgetary information on 220 NGOs supporting the health sector to Ministry of Finance. The meeting discussed options of convening on a regular basis to coordinate GIS mapping efforts. The meeting suggested that UNOCHA together with the SSCCSE, may resume its regular GIS Mapping Consultation Group meetings, and provide maps based on the most recent available data on basic services, including for example schools, water and education. UNJLC promised to follow this up, in order to have at least one meeting in January 2010 co-chaired by the Southern Sudan Census Commission and Statistics and Evaluation institute (SSCCSE), which has the coordinating role on the side of Government of Southern Sudan. The GIS Mapping Consultation Group should invite Ministries involved in basic services provision and related UN organisations as well as other Development Partners. The meeting furthermore requested CDE to continue with providing TA.

BSF will contact UNOCHA and SSCCSE to discuss their suggested roles, and pinpoint a date for the first meeting of the GIS Mapping Consultation Group. The agenda for this meeting will include updating mechanisms of databases per Sector by contributing Development Partners, the development of a data sharing protocol at ministerial level, and the preparation of a 1-2 page index on available data and maps including the name of the institute providing the information as well as contact details.

Table 1: Overview of available GIS-based data per institution participating in the workshop

Organisation	MoEST	MWRI	MoH	BSF	UN-OCHA	UNJLC	UNMIS	CMRA
Mandate/ Rationale	Administrative location and type of facilities, and education statistics	SSWICH: tool to allow access to stakeholders and collect information for distributed water resources	Identify health facilities (+services, HR), schools and boreholes	Increased access to basic services	Information gathering and dissemination of humanitarian interventions/ assistance data	Mapping logistics	Mapping military needs	Socio-economic risk mapping in support of strategic planning for recovery
Activity/ Maps	Tables of enrolment trends, gender, number and gender of teachers, classrooms, by state.	Data entry on point sources, also hafirs, dams, flooding information, including GPS coordinates.	Mapping health facilities, services and staff, and nearby water points.	Mapping of basic services provided with BSF funding	Maps on who is doing what and where	Transport maps, road rehabilitation maps, WFP and flight routes maps. Road progress maps	n/a	Nationwide baseline survey. CRMA participatory crisis mapping: by end of year roll out to 3 states. Data collected as indicated in the socio-economic risk framework: 7 categories, having a variety of indicators.
Data	EMIS of whole country, Consultant (AED) uses Google Earth for school mapping. In 2007, with Unicef, 75% of the schools were GPS mapped (so 1,000 schools not yet mapped, planned for next year).	No data available as yet.	Data seven states (J, W, WE missing). Maps. Will be available through CRMA. Used county borders not official.	BSF boreholes, health facilities and schools	Supporting NGOs and ministries by making maps. Sudan information gateway.	Roads Bridges Airstrips Ports	n/a	No output as yet. Expected: 1. national capacity building on tailored geo-info management tools 2. socio-ec. Mapping and analysis. 3. support to GoSS, state governments, UNDP
Website	http://southsudan.ed-assist.net/	-	-	www.bsf-south-sudan.org	http://ochaonline.un.org/sudan	http://www.unjlc.org/sudan/maps/	?	http://www.unsudanic.org/

Annex 1 Attendance list 19 November

No	Name	Organization	Position	Telephone	Email address
1	Olivia Lomoro	MoH	D/G for Research, Planning and Health System Development		achaber@yahoo.co.uk
2	David Oremo	UNDP/ CMRA project	GIS Officer		David.oremo@undp.org
3	John Wildegrube	MSI	Knowledge management advisor		jwildegrube@msi-sudan.org
4	Sam Huston	MSI	Watsan advisor		shuston@msi-sudan.com
5	Anne Lindeberg	JDO	Team leader BS		Anne.lindeberg@minbuza.nl
6	Ketil Vaas	JDO	Education		Ketil.vaas@minbuza.nl
7	Anthony Badan	JDO	Watsan		Anthony.badan@minbuza.nl
8	Maryam Said	Euroconsult MM	RWSSP consultant		maryamasaid@gmail.com
9	Wim Groenendijk	BSF	Policy development/ M&E		Wim.groenendijk@bsf-secretariat-sd.org
10	Joseph Abeya	UN-OCHA	GIS officer		abeya@un.org
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12	Moses Kong	AED		0477 196448	M21kong@yahoo.com
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16	Isaiah Longa Seme	MWRI	Database Officer	0477 102767	Longaseme2003@yahoo.com
17	Venkat Dheerava	UNJLC	GIS Officer		Vdheerava@gmail.com
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20	Raneque Hhyte	UNMIS	GIS Specialist		whyter@un.org
21	Christian Hergarten	CDE	Research Scientist		Ch.hergarten@gmx.ch

22	Sajid Shahzad	UNMIS	GIS Specialist	0911 623427	shehzadsajid@gmail.com
23	Mymth	UNHCR	Statistician		mymth@unhcr.org
24	Bernard Karimi	UNHCR	GIS Officer		karimib@unhcr.org
25	Clarissa Mulder	BSF	BSF consultant		clarissa@we-consult.info
26	Juerg Krauer	CDE			Juerg.Krauer@cde.unibe.ch
27	Kate Louwes	BSF	Team leader		klouwes@bsf-secretariat-sd.org
28	Geerte van der Meijden	BSF	M&E/ MIS Officer		Geerte.meijden@bsf-secretariat-sd.org

Annex 2 Attendance list 20 November

No	Name	Organization	Position	Telephone	Email address
1	David Oremo	UNDP/ CMRA project	GIS Officer		David.oremo@undp.org
2	John Wildegrube	MSI	Knowledge management advisor		jwildegrube@msi-sudan.org
3	Sam Huston	MSI	Watsan advisor		shuston@msi-sudan.com
4	Anthony Badan	JDO	Watsan		Anthony.badan@minbuza.nl
5	Richard Laku	MoH	Director M&E	0477 154096	richardlaku@yahoo.com
6	Moses Kong	AED		0477 196448	M21kong@yahoo.com
7	Hakim Dabi	MoEST	Director Data and Statistics	0477 103783	Hangelo2002us@yahoo.com
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9	Omiat Omongin	MoH	Data Specialist	0928 138558	oomongin@yahoo.com
10	Venkat Dheerava	UNJLC	GIS Officer		Vdheerava@gmail.com
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12	Sarah Petrie	Sector lead health (NGO)	Coordinator	0477 245071	sshealthcoordination@gmail.com
13	Remi Kouakou	UNMIS	OIC GIS	0914 477286	kouakou@un.org
14	Christian Hergarten	CDE	Research Scientist		Ch.hergarten@gmx.ch
15	Sajid Shahzad	UNMIS	GIS Specialist	0911 623427	shehzadsajid@gmail.com
16	Bernard Karimi	UNHCR	GIS Officer		karimib@unhcr.org
17	Clarissa Mulder	BSF	BSF consultant		clarissa@we-consult.info
18	Juerg Krauer	CDE			Juerg.Krauer@cde.unibe.ch
19	Kate Louwes	BSF	Team leader		kouwes@bsf-secretariat-sd.org
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