

INTRODUCTION

Health and social service agencies that wish to use GIS or other spatial tools are often hampered by lack of GIS capacity. This capacity gap makes it challenging to find or create data and use GIS software effectively. However, many countries including Nigeria have an NGDI program that can assist health sector organizations as they seek to use GIS and other spatial tools.

In 2009, USAID's MEASURE Evaluation project and the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) partnered with the United Nations Joint Programme on HIV/AIDS (UNAIDS) and the United Nations Economic Commission for Africa (UNECA) to host a first-of-its-kind workshop in Addis Ababa, Ethiopia, to help facilitate linkages between the health sector and NGDI actors in Africa. The workshop attracted 188 participants from 36 countries, including 14 participants from Nigeria. As a result of the meeting, UNECA member states approved resolutions calling for improved cooperation between the health sector and national mapping agencies (NMAs), including ensuring that key players in the health sector — ministries of health and social services, as well as national AIDS commissions — actively participate in NGDI efforts.

The Federal Government of Nigeria, in collaboration with MEASURE Evaluation, held the *Nigeria Health and Mapping Summit 2011* to make linkages between representatives of the health sector, NGDI agencies, and other relevant stakeholders. The conference, which was led by representatives from key Government of Nigeria ministries, sought to build on the momentum created by the 2009 meeting in Ethiopia, and by the GIS and mapping activities being conducted with the assistance of various development partners including WHO and Health Systems 20/20 (HS 20/20), to increase cooperation between the national health and mapping sectors in Nigeria.

Based on its robust NGDI program, as well as the presence of regional centers of excellence in GIS, Nigeria was well-suited to hold such a national meeting. Additionally, NGDI representatives from Nigeria have expressed a desire to expand cooperation with the health sector for the development and sharing of spatial data.

Increased collaboration between the health sector and NGDI actors would have several benefits for the government and development activities being supported by partners, including U.S. government activities, as NGDI/NMA agencies are responsible for creating and maintaining many of Nigeria's spatial data sets. Strong linkages between NGDI/NMA actors and health and social service ministries can ensure that the most recent spatial data are available to inform program planning. The Federal Ministry of Health could in turn share its data with NGDI/NMA agencies so that health and social service data can be used to inform program planning in other sectors. This multi-sector awareness would ensure that health and social service issues are considered in other programs, such as agricultural and economic development.

In addition to sharing of data, other benefits of collaboration include:

- expanded stakeholder buy-in for the national GIS and mapping strategy and action plan;

- opportunities for increasing sustainable GIS capacity in health and social service ministries by partnering with NGDI actors for workshops and trainings; and
- increased country ownership of U.S. government programs, as data from these activities are integrated into the national data infrastructure.

This report provides a description of the *Nigeria Health and Mapping Summit 2011*, including a discussion of how the conference was organized, collaborating agencies, steering committee, participants, the agenda, presentations, group work, and results.

Sponsors, Collaborating Agencies, and Facilitators

The *Nigeria Health and Mapping Summit 2011* was supported by MEASURE Evaluation (www.cpc.unc.edu/measure) with assistance from USAID (www.usaid.gov) and PEPFAR (www.pepfar.gov), and collaborated with the HIV Division of the Department of Public Health of the Federal Ministry of Health, National Population Commission (NPopC), Office of the Surveyor General of the Federation (OSGOF), and National Space Research and Development Agency (NASRDA). The *Nigeria Health and Mapping Summit 2011*'s steering committee membership is provided in table 1. This committee was responsible for planning and coordinating the event. Additionally, each organization represented on the committee provided staff members who helped plan and implement the workshop, whose contributions were essential in ensuring the success of the meeting.

Table 1: Workshop Sponsoring Organizations and Functional Representatives

Organization	Representative
National Space and Research Development Agency (NASRDA)	Dr. Ganiy Agbaje Director, Mission Planning, IT, & Data Management Chairman, Summit Steering Committee
HIV Division, Department of Public Health, Federal Ministry of Health (FMoH)	Dr. Azeez Aderemi Deputy Director, Strategic Information Unit, HIV Division
National Population Commission (NPopC)	Fadairo Adeniyi Francis Deputy Director, GIS Automated Mapping Cartography Department
National Primary Health Care Development Agency (NPHCDA)	Dr. Charles Mamman Head, Monitoring and Evaluation, Planning, Research and Statistics, NPHCDA
National Health Insurance Scheme (NHIS)	Shaibu Indawaba Assistant General Manager, Monitoring and Evaluation Unit
Office of the Surveyor General of the Federation (OSGOF)	Surveyor Barde Jatau Director, Boundaries
National Health Information Management, Department of Health Planning Research and Statistics	Dr. Akin Oyemakinde Deputy Director
MEASURE Evaluation	Kola Oyediran Senior Resident Technical Advisor/Country Lead

Nigeria Mapping and Health Sector Background

In Nigeria, as in some other countries in Africa, the responsibility for producing and maintaining spatial data is spread across multiple ministries and agencies. In other countries, however, spatial activity is centralized. Regardless of the number of players, typically one entity coordinates the NGDI process in those countries. In most of the cases, the NMA is the institution in charge of leading the NGDI process, although this might vary from country to country. While the NMA may coordinate NGDI efforts, there are multiple groups representing a variety of interests, both in the public and private realm, contributing to the NGDI. Likewise for health, the Department of Health Planning, Research and Statistics is typically responsible for overseeing the national health information system. However, many other departments are involved, such as the National Primary Health Care Development Agency, Department of Public Health, and National Health Insurance Scheme, as well as implementing partners, nongovernmental organizations (NGOs), and the donor community. The *Nigeria Health and Mapping Summit 2011* provided a unique opportunity for representatives from these realms — NGDI and the health sector, especially HIV/AIDS — to explore opportunities to strengthen the data infrastructure.

PARTICIPANTS

A total of 129 people participated in the *Nigeria Health and Mapping Summit 2011*, of which 119 were active workshop participants and 10 were chairmen or facilitators. Three media representatives also attended. Appendix E provides a list of participants and their affiliations.

In terms of fulfilling the objective of bringing together participants from throughout the NGDI community and the health sectors in Nigeria, there were attendees from both the health and mapping sectors; and also both public and private organizations were well-represented (figure 1). Table 2 shows the number of participants by agency or group.

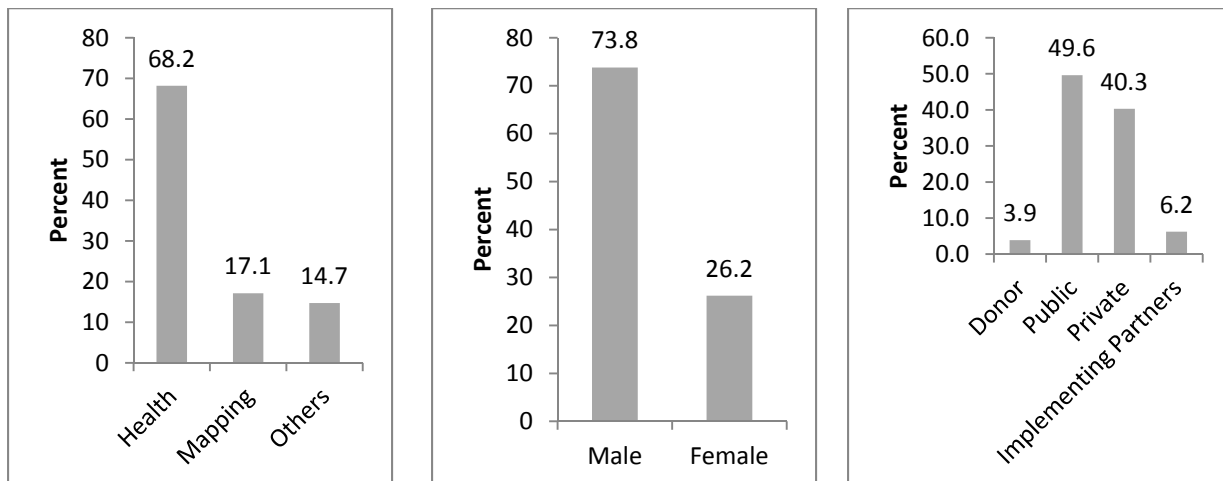


Figure 1: Percent of participants by sector (health, mapping, other), gender, and type of organization (donor, public, private, or implementing partners).

Table 2: Number of Participants by Agency or Group

Organization	Number of Participants	Organization	Number of Participants	Organization	Number of Participants
ABU	2	ICAP	1	Pathfinder	1
AIDS Relief	2	IHVN	5	PFD	1
AIDSTAR-One	2	JSI	1	Polari Digitech	4
APIN	1	MAPS	1	The Population Council	1
ARFH	3	MEASURE Evaluation	5	Pro-Health International	2
AVON Health Ltd	2	NACA	4	Public Health	1
C4CC	1	NAFDAC	1	RECTAS	1
CACO	1	NAN	2	Safe Blood International	1
CHAN-NICAB	1	NASRDA	5	Sesame	2
CISHAN	1	National Assembly	2	SFH	1
CRS	1	NBS	1	SFH/ERN	1
CUBS/MSH	1	NBTS	1	SIB	1
DHPRS	3	NEI	1	Sleek Vision	1
ECEWS	1	NELA	1	TSHIP	1
ECNX Ltd	1	NHIS	4	UI	1
Ehealth Nigeria	1	NMCP	1	UNAIDS	1
FGH	1	NMEMS	1	Unilag	1
FHI 360	2	NPC	3	USAID	1
Fistula Care	1	NPHCDA	3	Voxia	1
FMWASD	3	NPopC	4	World Health Organization	2
Heartland Alliance	1	OAU	2	World Bank	1
HIV Division FMoH	11	OSGOF	2		
HS2020	2	PATH 2	3		