

THE 4TH KENYA NATIONAL SPATIAL DATA INFRASTRUCTURE WORKSHOP

DATE: 30TH NOVEMBER, 2005

VENUE: SILVER SPRINGS HOTEL,
NAIROBI

REVIEW OF KNSDI 1ST ,2ND AND 3RD WORKSHOPS



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KNSDI INITIATIVES

INTRODUCTION

National Spatial Data Infrastructure (NSDI) can be defined as a government initiative(strategy) to create an environment in which all government organisations, institutions and stakeholders can cooperate and share geographical information with each other and interact with technology (through internet) to better achieve national goals and objectives in order to foster sustainable national development (GIM Magazine, December, 2003).

KNSDI INITIATIVES(CONT)

INTRODUCTION (cont)

The concept of NSDI in African countries is being advocated through the Committee on Development Information (CODI), of United Nations Economic Commission for Africa (UNECA) and the Africa GIS conferences. The establishment and adoption of NSDI standards are essential tools to support national development strategies.

KNSDI INITIATIVES(CONT)

INTRODUCTION (cont)

The Government of Kenya in her current National Development Plan 2002 - 2008 has committed herself in the establishment of Kenya National Spatial Data Infrastructure (KNSDI) for efficient management of geo-spatial information.

REVIEW OF KNSDI WORKSHOPS

- A number of KNSDI workshops have been organised in collaboration with JICA.
- The first workshop was held on 12th November 2001.

OBJECTIVES OF 1ST WORKSHOP

- To sensitise stakeholders dealing with geo-spatial information
- To emphasize the role of spatial data infrastructure in decision-making
- To consider SDI just like other infrastructure e.g. roads, telephones

OBJECTIVES OF 1ST WORKSHOP (CONT)

- To reinforce understanding that no one agency/organisation is able to satisfy user requirements on SDI
- To emphasize the need for partnerships through cooperation, collaboration, coordination and consistency of SDI in order to reduce duplication, promote data sharing, make standardized SDI data sets.

OBJECTIVES OF 1ST WORKSHOP (CONT)

- To justify establishment of NSDI in relation to national aspirations e.g. PRSP, Global initiatives (MDG).

1ST WORKSHOPS HIGHLIGHTS

- Survey of Kenya was nominated as convenor and coordinator of KNSDI because it is a major stakeholder and holds core data essential in the establishment of KNSDI.
- Fifty-five (55) participants representing over thirty (30) institutions dealing with geo-spatial data attended the workshop.

2ND WORKSHOP WAS HELD ON 26TH APRIL, 2002

□ Objectives

- To create concrete steps towards the establishment of NSDI in Kenya
- To make structure of NSDI committees, working groups and their terms of reference.
- To start inventory of who has what type of spatial data in Kenya

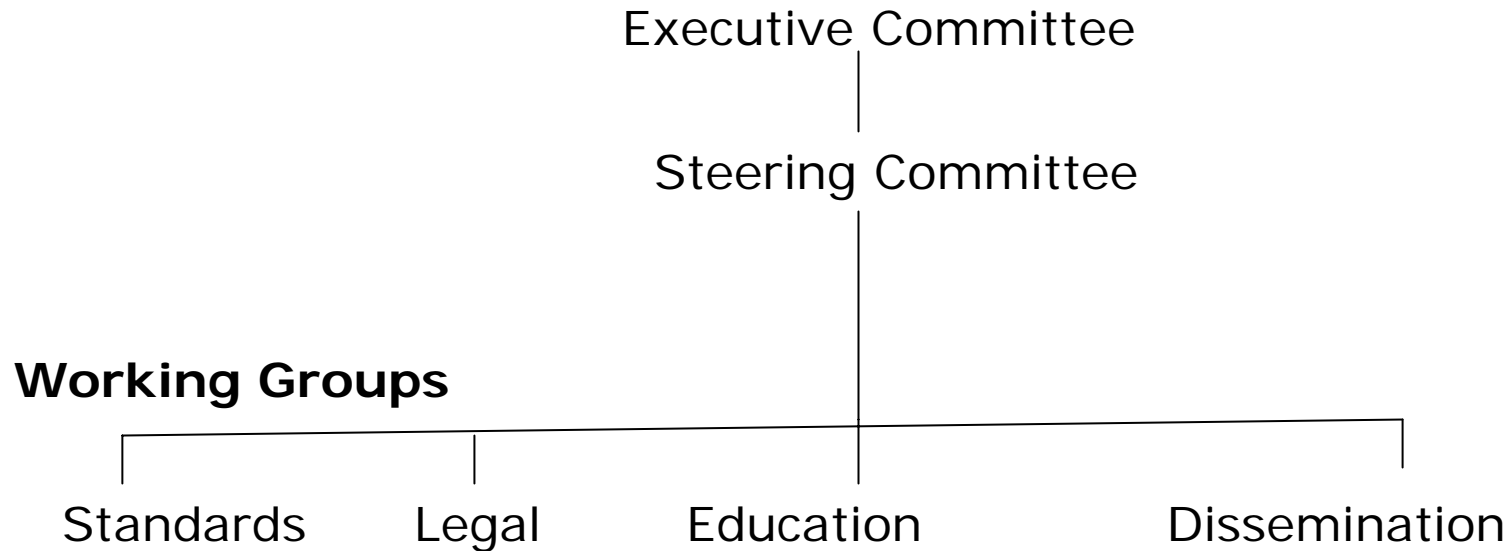
THE 2ND WORKSHOP HIGHLIGHTS

- 22 Institutions participated and ten presentations.
- The structure of KNSDI Committee; Working Groups and Terms of Reference were established.
- Inventory of geo-spatial data through questionnaire was started.

THE 2ND WORKSHOP HIGHLIGHTS (cont)

- Establishment of an executive committee, a steering committee and four (4) Working Groups on Standards, Legal, Education and Dissemination
- Defined Terms of Reference for the Committees and Working Groups

STRUCTURE OF KNSDI ADOPTED BY 2ND WORKSHOP



MEMBERSHIP AND FUNCTIONS OF COMMITTEE

Committees	Membership	Functions
Executive Committee	Heads of Institutions or CEOs	Discuss and Authorize what is discussed in Steering Committee and Working Groups
Steering Committee	Heads of divisions/ sections dealing with NSDI issues for each identified stakeholder	Assign tasks to Working Groups, Conclude tasks assigned to Working Groups and report to Executive Committee
Working Groups	Experts in each area from each identified stakeholder	Make recommendations on given terms of references to the Steering Committee

TERMS OF REFERENCE FOR THE WORKING GROUPS

Legal WG	Copyright, Liability, Privacy, Data Policy (access, restriction, pricing, enforcement of copyright for original data etc)
Education WG	Training, Curriculum, Research, Sensitization
Dissemination WG	Clearing House, Metadata, Website for NSDI
Standards WG	Framework data (kinds, scale etc), Coding System, Reference System, Exchange format, Metadata Standards

3RD WORKSHOP WAS HELD ON 10TH SEPTEMBER, 2002

- Objective

- seeking consensus and cooperation with related organizations on the dissemination and use of Spatial Data Framework for the City of Nairobi.

THE 3RD WORKSHOP HIGHLIGHTS

- The Workshop was attended by 58 participants from 27 organisations (Public, Private, Academic sector and the International organisations)
- KNSDI secretariat held two meetings on the Standards Working Group
- KNSDI web page was opened
- A study for establishing Kenyan Standards for Geospatial Data was carried out between January-March, 2003.
- Results of Geo-Spatial Survey and all the KNSDI workshops meetings are currently hosted at our Home Page: www.kism.iconnect.co.ke or www.gsdi.org

ESTABLISHMENT OF SPATIAL DATA FRAMEWORK FOR THE CITY OF NAIROBI

City of Nairobi Digital Mapping

Survey of Kenya, the City Council of Nairobi in collaboration with JICA successfully implemented and completed the Project in March 2005 which produced 60 maps at 1:2,500 and 59 maps at 1:5,000 which are available in both digital and hard copy in Survey of Kenya.

CHALLENGES IDENTIFIED

- The key challenges identified in the implementation of KNSDI are:
 1. Institutional
 2. Technological

INSTITUTIONAL

- Coordination amongst government Ministries, Departments and Institutions.
- Cooperation and partnerships amongst all stakeholders in public and private sectors as well as the end users.
- Legal framework (copyrights, liabilities and privacy)

INSTITUTIONAL (CONT)

- Access policies on data (restrictions, pricing, monitoring and administration costs)
- Inter-institutional agreements
- Enabling legislation
- Committed leadership and dedicated personnel

TECHNOLOGICAL

- Efficient telecommunication infrastructure
- Availability of framework data (core data and base maps)
- Establishment of Standards
- Establishment of Metadata (information about data)
- Establishment of Clearinghouse (distribution network)
- Opening Websites (map servers)
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Thank you!