



Geospatial Capacity Building In Republic of Korea

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5th October 2015



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1

Introduction of NGII



Introduction of NGII

Value-added Geospatial Information

Geospatial Hub for leading the value-adding and convergence

Quality control

Openness and
Sharing

Global
leading capacity

Competitiveness
for changes

Strategy

National Position
Reference
Framework

National realistic
geo-imagery
system

National
Geo-Spatial
Database

Open land survey
Information
System

GI resource
of Experience,
Technology &
Knowledge

Introduction of NGII

NGII(National Mapping Authority)

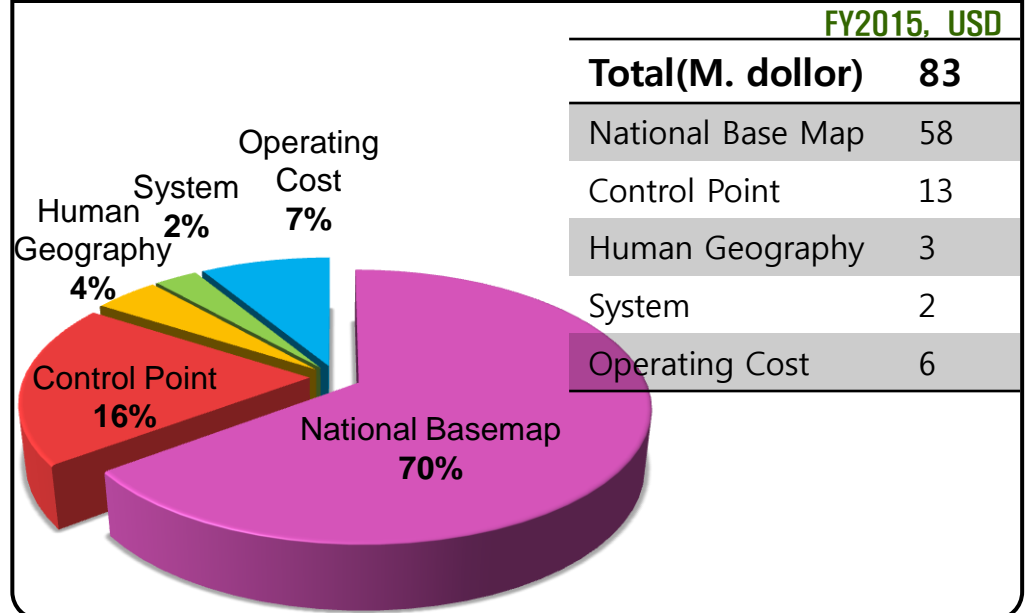
- ▶ Since 1958
- ▶ 6 departments, 112 staffs



Mission

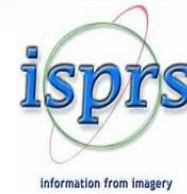
- Establish National Geodetic datum & Control point
- Make National Base map & Geo-spatial Imagery
- Manage Geographical Names
- Disseminate Gazetteer & Related Product
- R&D, International Cooperation

Budget



Introduction of NGII

International Cooperation



First general meeting



2

Capacity Building Program in Korea



Geospatial Capacity Building

Program History

2011



16 countries
21 participants

2012



11 countries
16 participants

2013



10 countries
18 participants

2015



Geospatial Capacity Building



Program Overview

Program Title

- Capacity building for national surveying and mapping organizations

Overall Objective

- Share the development experiences
- Strengthen the participating countries' capabilities

Duration

- 4 weeks per a year
(Usually in May or October)

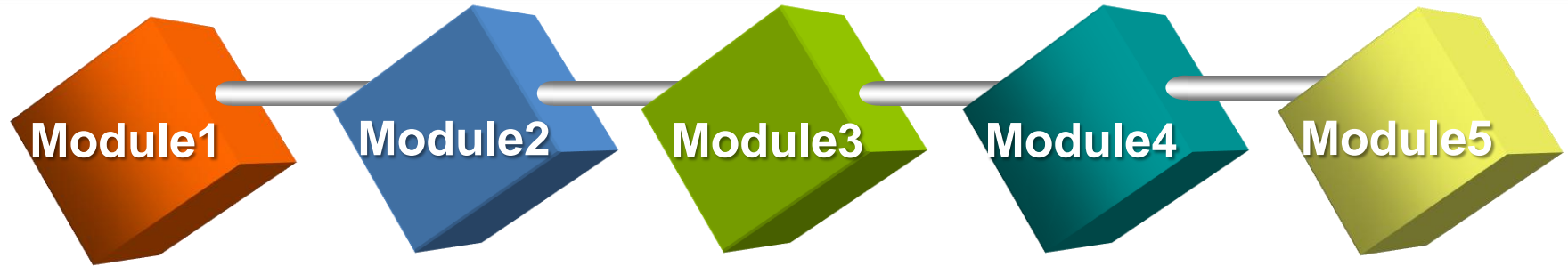
Contents of Support

- Lectures, Study visits, Workshops, Field Trips



Geospatial Capacity Building

Program Module



**Surveying
&
Mapping**

**Geospatial
Information**

**Geospatial
Application
&
Industry**

**Land
Administration
&
Management**

**Land
Valuation
&
Compensation**


Geospatial Capacity Building



Responsibility

Country Report

Country Report of Ethiopia



Prepared for the Capacity Building Courses for
Surveying and Mapping Agencies in National
Geographic Information Institute Suwon & Seongnam,
Republic of Korea

By
Getachew Worku
and
Beletech Zewudu
April 19 May 9, 2015



Country Report

By
Eng. Fatma Sayed Abdel Kader
Eng. .Elsayed Abdel Azim Elsayed
Egyptian Survey Authority
Regional Surveying and Mapping affairs Central
Department

Action Plan

IMPLEMENTATION STRATEGY FOR A NATIONAL SPATIAL DATA
INFRASTRUCTURE IN THE KYRGYZ REPUBLIC



Action plan


Azamat Karypov **Rakhat Zhanuzakova**
Senior specialist on cadastral mapping and GIS Leading specialist on cadastral mapping and GIS



1

**Upgrading existing control network
By introducing CORS network
in
Sri Lanka**

Mr. Nalin Gunawardana, Senior Superintendent of Surveys
Survey Department of Sri Lanka
Mrs. R.M.R.D. Karunaratne, Land Use Planning Officer,
Land Use Policy Planning Department of Sri Lanka



Procedure



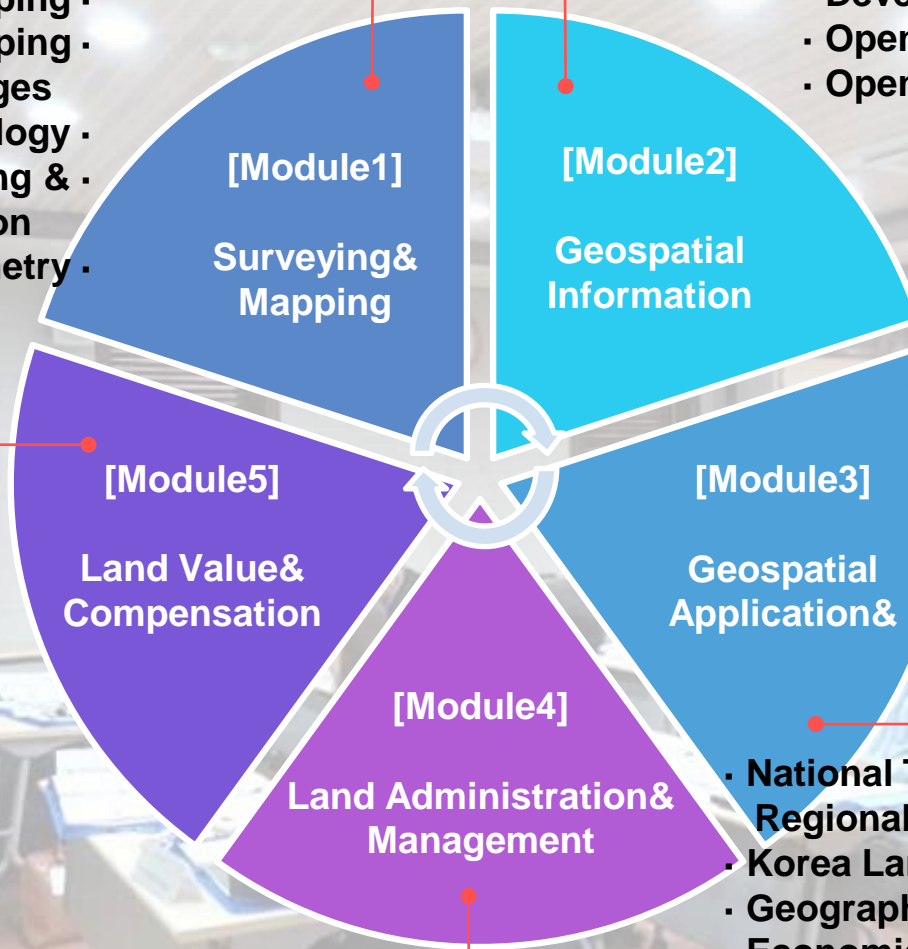
Lectures



Lectures

- National Geodetic Control Point
- Digital Topographic Mapping
- Small-Scale Digital Mapping
- Using Satellite Images
- Geodetic VLBI Technology
- Cadastral surveying & cadastral information
- Photogrammetry

- Public Notice System of Land Price
- The Expropriation and Compensation System



- GI standardizations
- legal framework for NSDI
- Development of Geo-spatial Data
- Open Source GIS (**Practice**)
- Open Street Map (**Practice**)

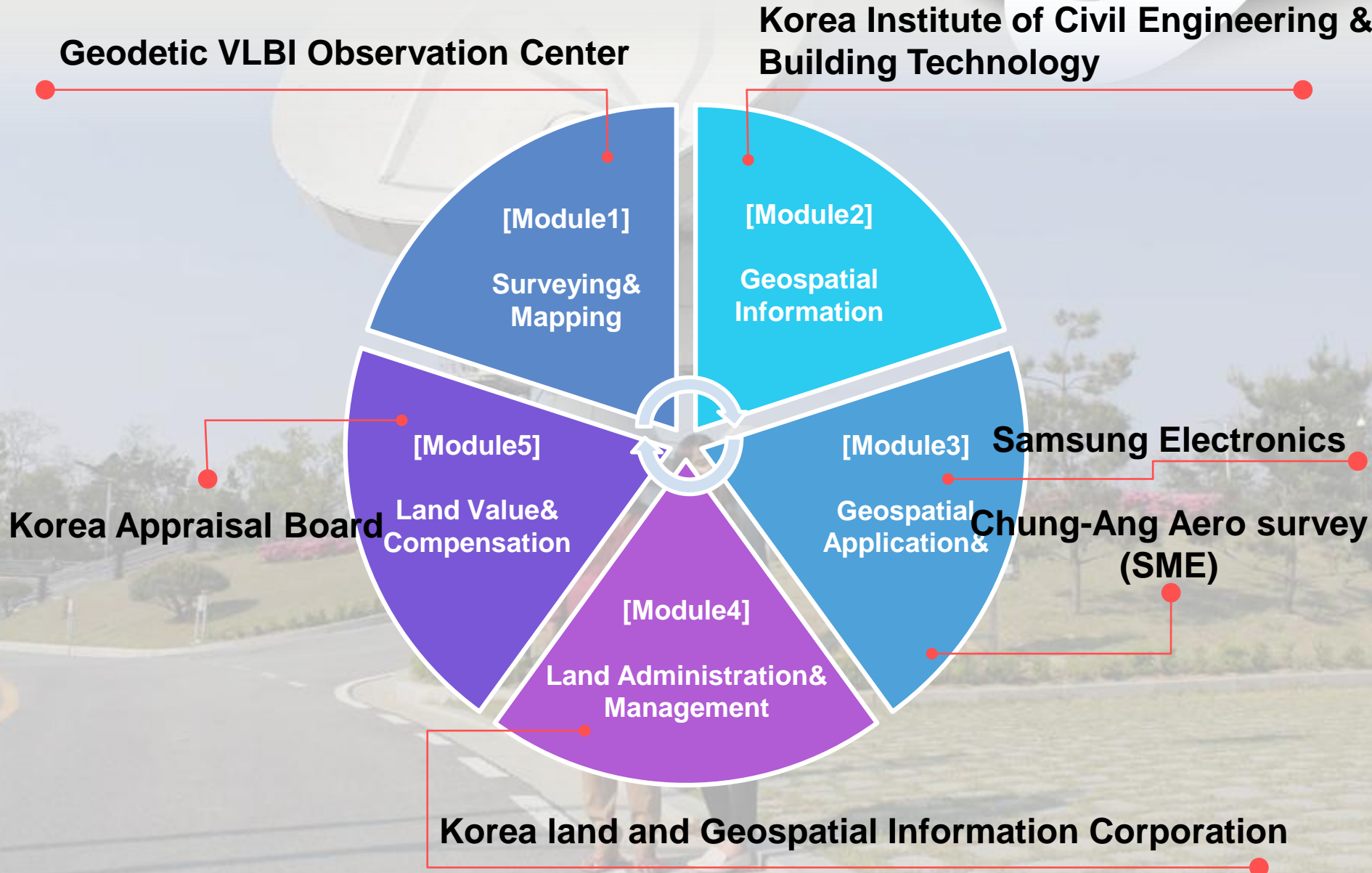
- Location based Service
- Remote Sensing and Its Applications
- Rader Remote Sensing
- KOREA Surveying Industry
- Geospatial Information for preventing disaster

- National Territorial & Regional Development Policies
- Korea Land Administration & GI
- Geography of Korea
- Economic Development & Saemaul Undong in Korea
- Geographical Names of Korea

Study Visits



Study Visits



Workshops



Workshops

Status of national geodetic network

Discussion on
a status of national geodetic network
in each country

Meeting with the geospatial experts

Meet the experts, and Discuss on the problem of
geospatial field in each country.

Field Trip

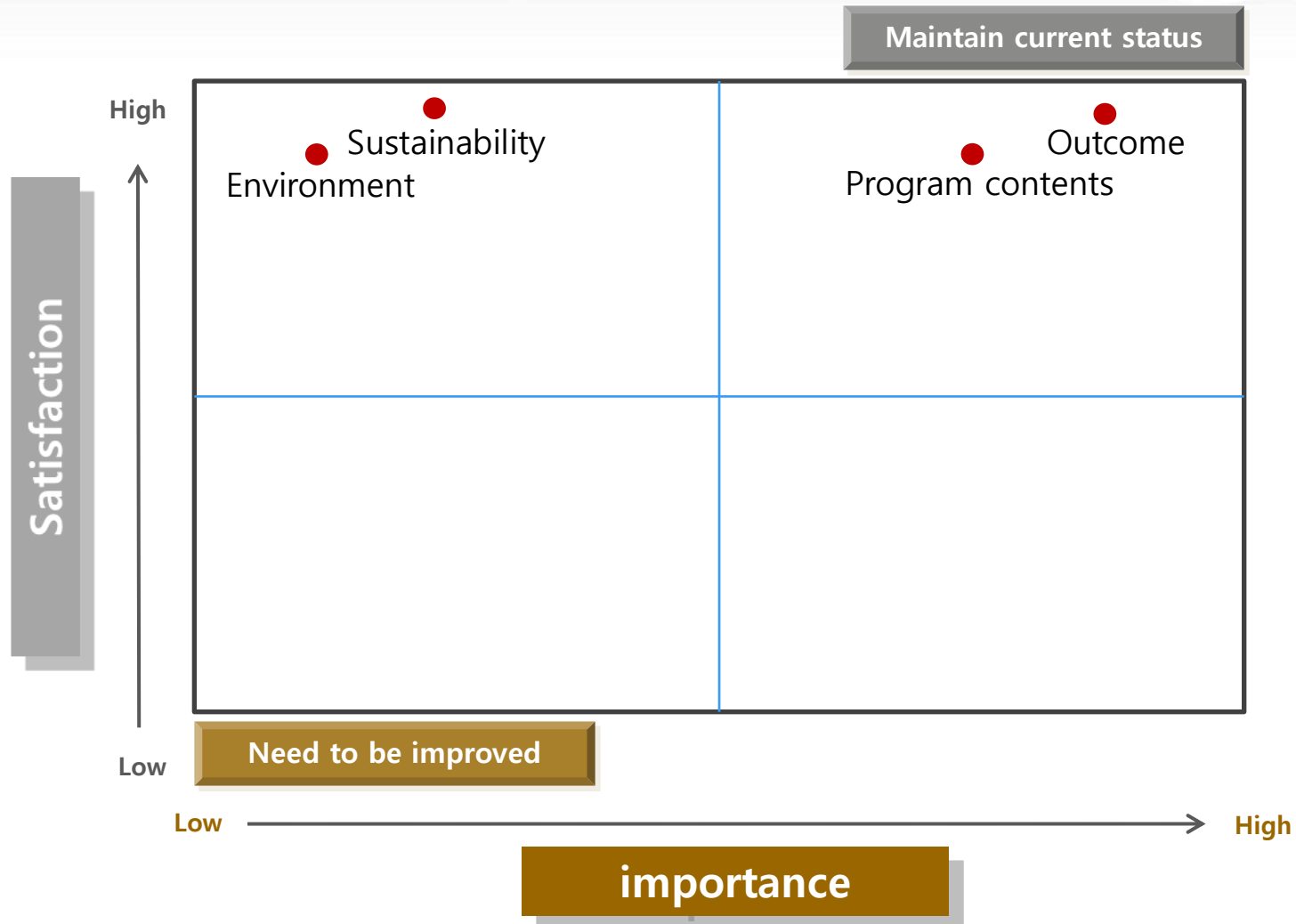


Field Trip



Feed Back Process

Survey Result



3

Application Process



Application Process



Application Process

Overseas Offices

ASIA

AFRICA

LATIN AMERICA

MIDDLE EAST-CIS

INT'L ORGANIZATION

▣ Nepal

| | |
|---------|--|
| Address | KOICA Nepal Office P.O. Box 5562, Nayabato Dhobighat, Lalipur, Nepal |
| Tel | 977-1-5549328, 977-1-5548783 |
| Fax | 977-1-5552698 |

▣ Laos

| | |
|---------|---|
| Address | 3F Vientiane Plaza Hotel, Sailom Road, Hatsadyneua Village, Vientiane Capital |
| Tel | 856-21-263-331 |
| Fax | 856-21-263332 |

▣ Mongolia

| | |
|---------|---|
| Address | P.O. Box 1039, 14220, Embassy Street-19, Sukhbaatar District, Ulaanbaatar, Mongolia |
| Tel | 976-11-31-1774 |
| Fax | 976-11-7011-0560 |

▣ Bangladesh

| | |
|------------|---|
| Address | Level 10, Doreen Tower, 6A North Avenue, Commercial Area, Gulshan 2, Dhaka-1212, Bangladesh |
| Tel | 880-2-988-4690 |
| Fax | 880-2-988-2613 |
| Alumni Web | www.kbaa-bd.com |

▣ Vietnam

| | |
|---------|---|
| Address | KOICA VietNam office 18th KeangNam Landmark 72 Tower, Plot E6, Pham Hung Street, Tu Liem district, Hanoi, Vietnam |
| Tel | 84-4-3831-6911 (ext. 101) |
| Fax | 84-4-3831-6912 |

**Thank You
For Listening**

