HIGH LEVEL FORUM ON GLOBAL GEOSPATIAL MANAGEMENT INFORMATION

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Capacity Building Experiences in Global Mapping *

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Digital Geographic Dataset Covering the global land area Spatial Resolution: 1:1,000,000 or 1km Unified specifications Easily accessible with marginal costs Objectives Sustainable development .. Rio Summit Disaster response

What is Global Map ?

Climate Change



- Who make Global Map? -
- Each National Mapping Organization (NMO) is responsible for developing Global Maps for each country.

Global Mapping project(1)

- Supported by NMOs, AID organizations and companies.
- Vector : 79 countries/regions NMOs developed
 - Boundary, Drainage, Transportation & Population Center
- Raster : 47 NMOs developed one or more layers
 - Elevation, Land Cover, Land Use & Vegetation
- Global Datasets
 - Elevation (USGS), Land Cover & Vegetation(GSI)

International Steering Community	Global Mapping project(2)
For Global Mapping Specification	 Decision process on Specifications -
Mandatory	
	= each NMO shall develop _Optional
Optional	= decided by each NMO
	 Principles on adopted items. Users' needs survey
	Average Needs raised by NMOs > 50% and
	Average Capacity of NMOs > 50%
	 Reducing duplication with other project. New features and/or attributes can be an
	option. They will be reviewed in future. ex. UN-SALB code, (UN Map Specifications)



Group Training Course on Global Mapping Conducted by JICA*, implemented by GSI of Japan

Capacity Building Programs

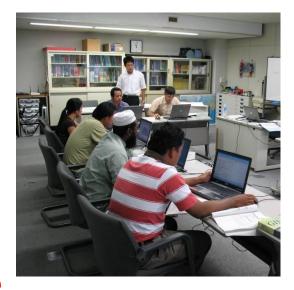
- Global Mapping Partnership Program Coordinated by MLIT**, cooperated by JICA
- Equipment Grant Program By ESRI & Intergraph
- Tools on Global Mapping for Quality Improvement by GSI



Structure Comments Steering Course - Implemented by GSI, Japan

1994 – 2011 held annually 60 countries, 106 participants from NMOs Duration: 2 and half months

Output is **simple**: Global Map of 43 countries has been developed by NMOs participated the training COURSE



Technology to be transferred – clearly **focused** Developing Method (GIS, RS, SDI, standards, etc.) Planning of Global Mapping of the country

Outcome of Training – easily **understandable for society** because Global Map can be used by everyone



- Capacity on Global Mapping is steadily strengthened Ex. of 2011 JICA course Global Map version 2 of two countries were released during the training (Serbia and Senegal)
- Mapping tools based on standards are useful for training ISO/OGC standards help quick achievement of training. Common terminology, common technology, ... on SDI
- Some training participants prefer more ICT training Web page management, WMS ...
- Output may depend on existing capacity Support to Africa is important



Held 6 times during 2002 – 2008 by MILT, Japan and JICA



25 countries, 86 participants from NMOs in Africa Duration: a few days Location: Kenya & Senegal

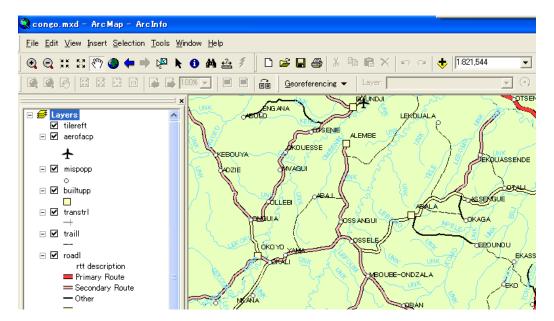
Output is **simple**: Participation to Global Map => 23 countries participated Global Map => 12 countries developed Global Map

Global Mapping Partnership Program



Grant Program ESRI grant Intergraph grant

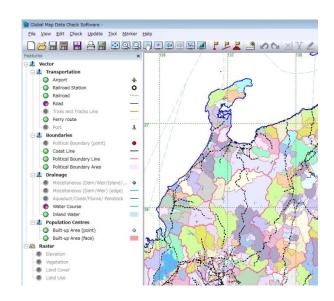
Grant program helped NMOs to develop Global Map of some countries.





• Based on Resolution of UN-RCC Americas (2009) Further recognizing the efforts of the Global Mapping project in encouraging ... providing spatial data of high quality,

- Tools have been developed by GSI, Japan and being distributed to NMOs for internal use since 2010
 - > Global Map Data Check Software
 - ... functions will be added in March 2012
 - > Global Map Metadata Editor (including Spanish & French manual)





Capacity building is a method and is not purpose of Global Map.

Users' benefit will begin when Global Map is available. If the NMO cannot develop Global Map => Need of development by other country

Capacity building is enough for Global Mapping? (ex. GSI developed 22 countries with close cooperation to respective NMO. Now, capacity building on updating technology is important.)



Long term capacity building is important.

Conclusion and Future Plan

1.Tools for 1:250,000 Global Map

- > Updating and Quality improvement using satellite imagery
- > Capacity building using the tool

2. To introduce capacity building on ICT More advanced technology to develop Global Map Web page management & WMS





Thank you

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