



Regional Committee of United Nations Global Geospatial  
Information Management for Asia and the Pacific  
(UN-GGIM-AP)



Established by a United Nations Resolution

# From PCGIAP to UN-GGIM-AP: A Regional Perspective on GGIM

**Dr. Li, Pengde**  
**President, UN-GGIM-AP**  
**Deputy Administrator, NASG**

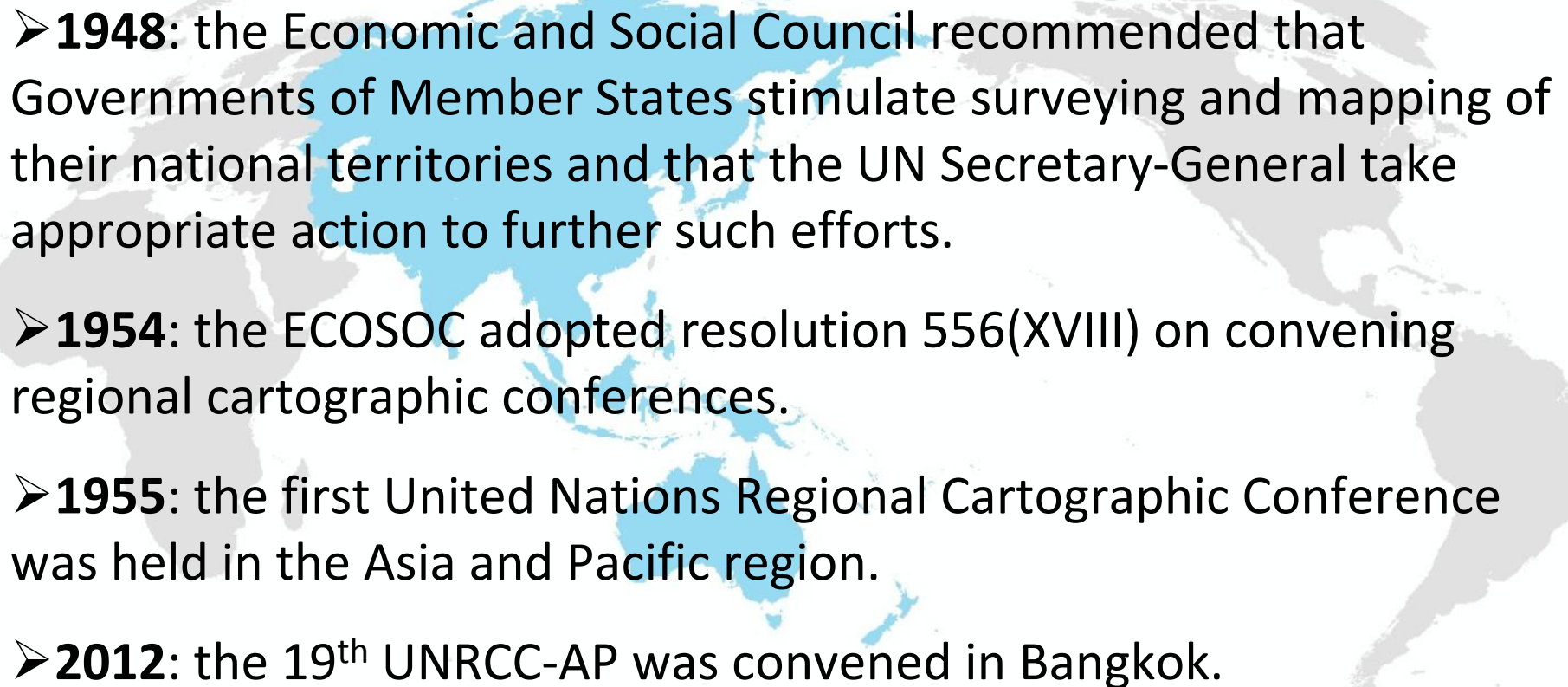
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# Contents

- 1. UNRCC-AP and PCGIAP**
  - 2. Internet-based geospatial community**
  - 3. Call for global geospatial information management**
  - 4. PCGIAP reborn as UN-GGIM-AP**
  - 5. Needs for global collaboration**
  - 6. Future perspectives**
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# 1. UNRCC-AP and PCGIAP

## **UNRCC-AP:** United Nations Regional Cartographic Conference for Asia and the Pacific

- **1948:** the Economic and Social Council recommended that Governments of Member States stimulate surveying and mapping of their national territories and that the UN Secretary-General take appropriate action to further such efforts.
  - **1954:** the ECOSOC adopted resolution 556(XVIII) on convening regional cartographic conferences.
  - **1955:** the first United Nations Regional Cartographic Conference was held in the Asia and Pacific region.
  - **2012:** the 19<sup>th</sup> UNRCC-AP was convened in Bangkok.
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# 1. UNRCC-AP and PCGIAP

## **PCGIAP:** Permanent Committee on GIS Infrastructure for Asia and the Pacific

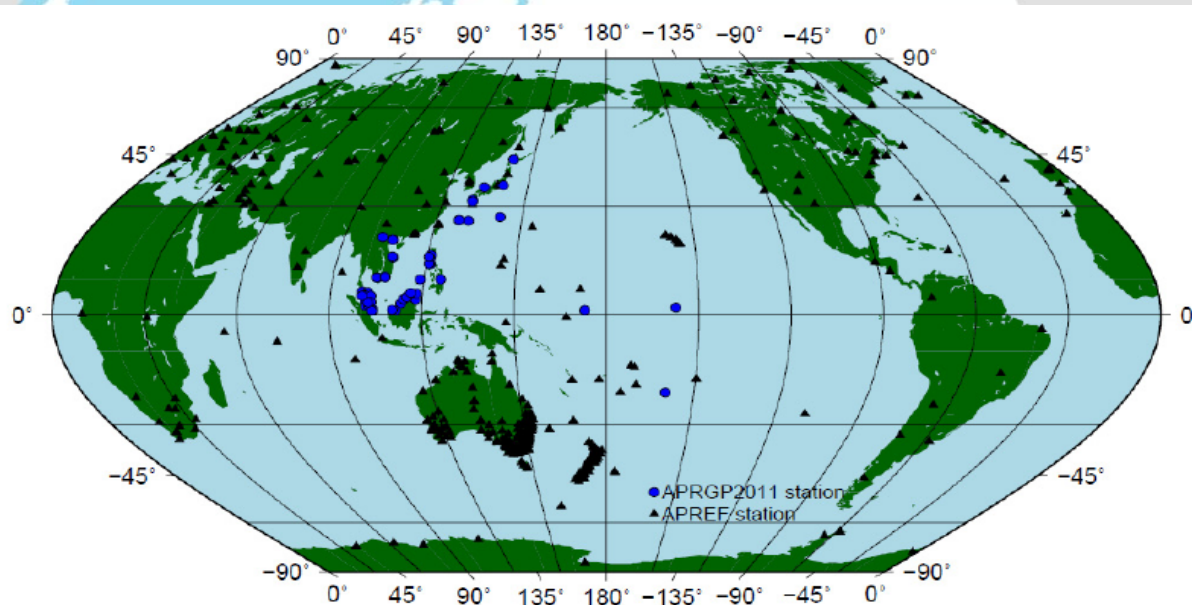
- Established in Kuala Lumpur, Malaysia in 1995 in pursuance of a resolution of the 13th UNRCC-AP held in Beijing, China in 1994
- Cooperate to develop regional SDI and contribute to global SDI
- Members: national mapping organizations (NMOs) from 56 countries of the Asia-Pacific region
- Committee Office: China as President; South Korea as Vice President; Japan as Secretary
- Report to UNRCC-AP every 3 years
- Annual plenary meetings and WG projects



# 1. UNRCC-AP and PCGIAP

## 1 Asia-Pacific Regional Reference Frame (APREF)

- To create and maintain a densely realized and accurate geodetic framework, based on continuous observation and analysis of GNSS data



*Figure 1: APRGP and APREF stations in the APRGP 2011 GPS campaign analysis.*



# 1. UNRCC-AP and PCGIAP

## 2 Land Administration Forum

- Growing recognition that land administration with geospatial information is vital for good governance, sustainable development, etc.
- Four forums have been convened to share land administration issues, best practices and experiences.

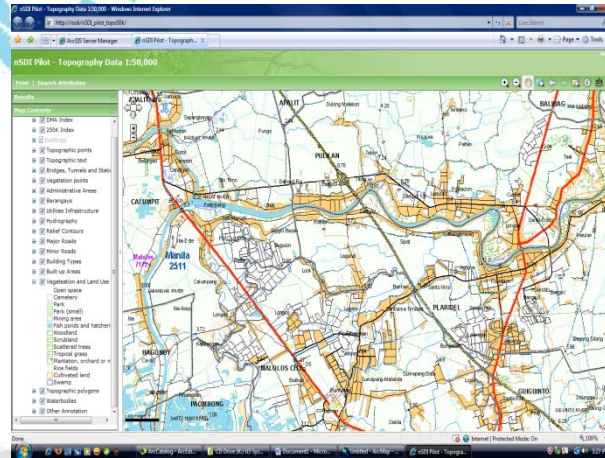
4<sup>th</sup> PCGIAP Land Administration Forum (Oct 2011) □  
- “Beyond Spatial Enablement”



# 1. UNRCC-AP and PCGIAP

## 3 Disaster Management

- Australia-Indonesia Facility for Disaster Reduction (AIFDR)
- Assistance in the delivery of fundamental spatial data
- International Training Workshop on Geospatial Support for Disaster Management





## 2. Internet-based geospatial community

### Analogue System

• Before 1980



### Computer Assisted System

• 1980 to 2000



### Digital System

• 2000 to 2009



### Intelligent System

• After 2015



### Informatized System

• 2010-2015





## 2. Internet-based geospatial community

### ◆ Driving forces

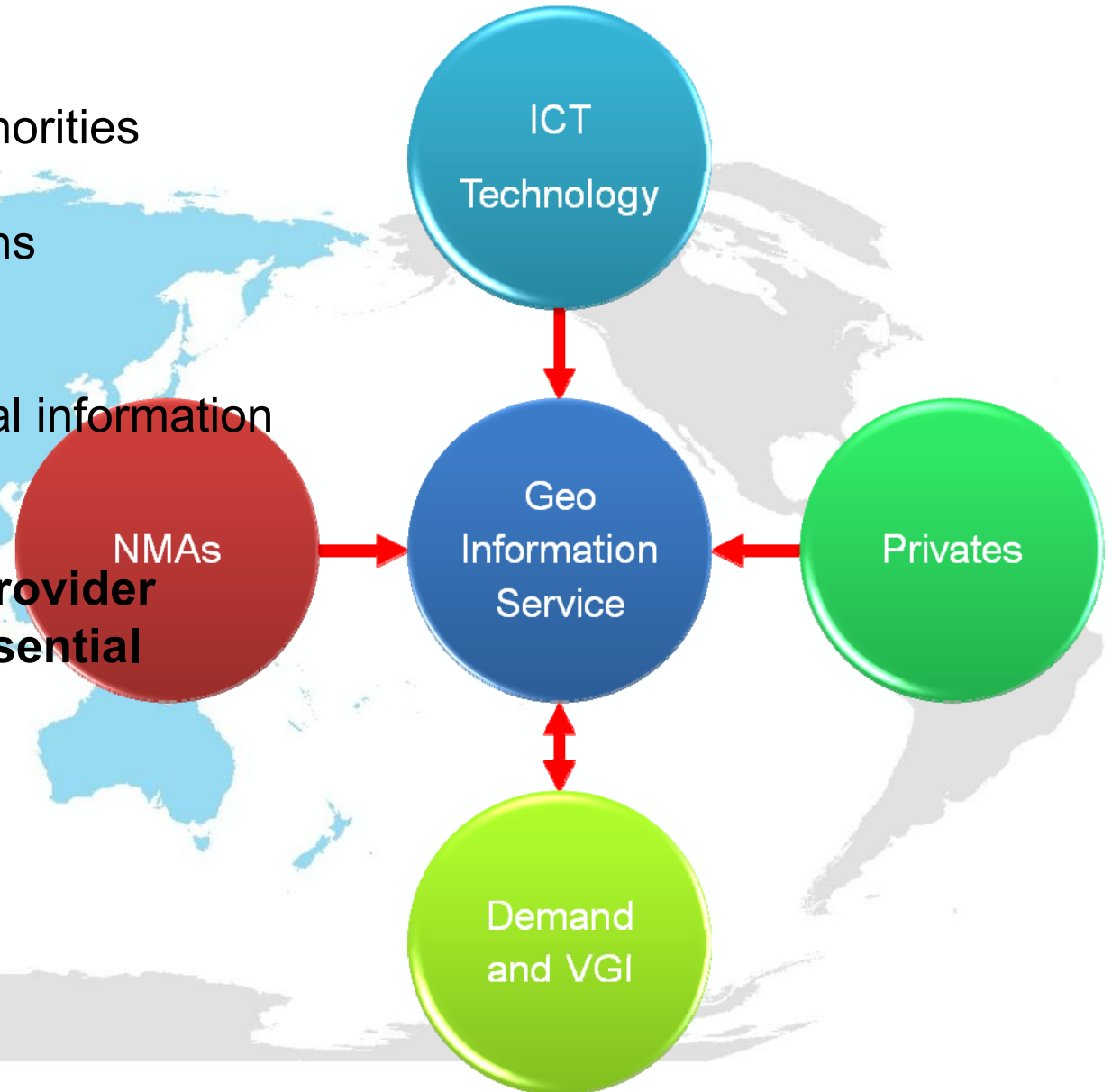
- National mapping authorities
- Private companies
- Technology innovations
- Increasing demand
- Crowd-sourcing
- Volunteered geospatial information

### ◆ Data is power

### ◆ Internet connects all

### ◆ Everyone is a user and provider

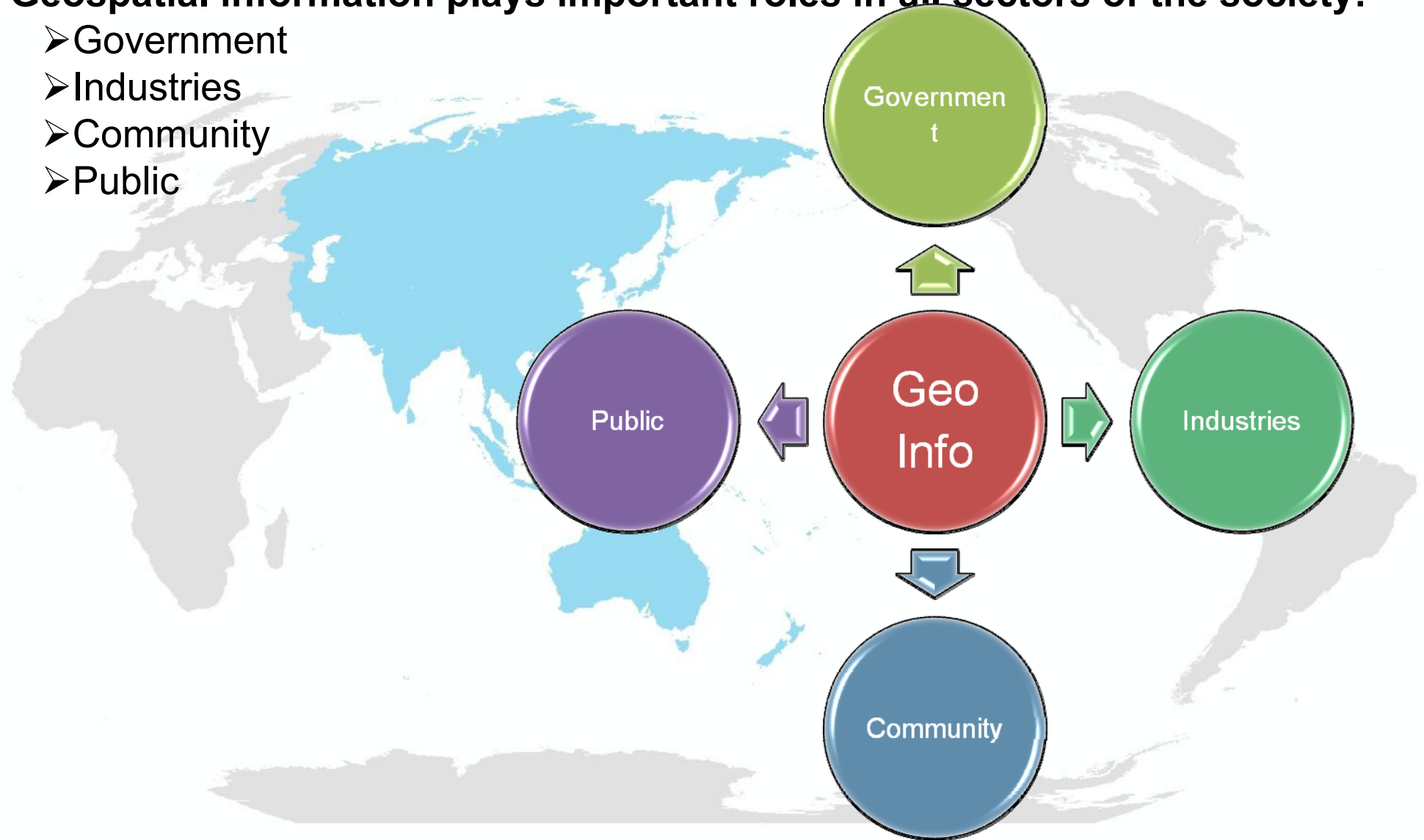
### ◆ Geospatial location is essential



## 2. Internet-based geospatial community

◆ Geospatial information plays important roles in all sectors of the society:

- Government
- Industries
- Community
- Public



## 2. Internet-based geospatial community

### Geospatial Information Development at Various Stages

No.	Country/Region	Projects	Catalog/Clearinghouse	Status/Schedule
1	Australia	ASDI	ASDD	Finished
2	Bangladesh			
3	Brunei	SSDI	Geo-Portal	2012
4	China	Digital China Geo-spatial Framework	Geo-information public service platform	Finished
5	Hongkong,China		GIS metadata catalogue	Finished
6	Indonesia	Ina-SDI	National Geospatial Portal	On going
7	Iran	national Geo-portal		On going
8	Japan	FGD, Digital Japan	Geographic Information Clearinghouse	Finished
9	Korea	Master Plan of National Spatial Data Policy	National Spatial Data Distribution Center	finished
10	Laos			
11	Macao, China	Geospatial Information Sharing Infrastructure		In planning
12	Malaysia	MyGDI	Geospatial Data Center	Finished and Continue
13	Mongolia			
14	New Zealand	Many	Geodata.govt	Finished
15	Nepal	NGIIP		Initiated in 2002
16	Philippines	PGP		On going
17	Singapore	Singapore Geospatial Collaboration Environment	Geo-Space portal	Finished
18	Sri Lanka			
19	Vietnam			

# 3. Call for global geospatial information management

## ◆ UNRCCs

- Asia and Pacific
- America
- Africa

## ◆ Agenda 21

## ◆ NGOs

- ISPRS
- ICA
- IAG
- JBGIS
- GSDI

## ◆ Standardization: ISO, IHO, OGC, etc.

## ◆ UN ECOSOC Resolution for **UN-GGIM initiative**





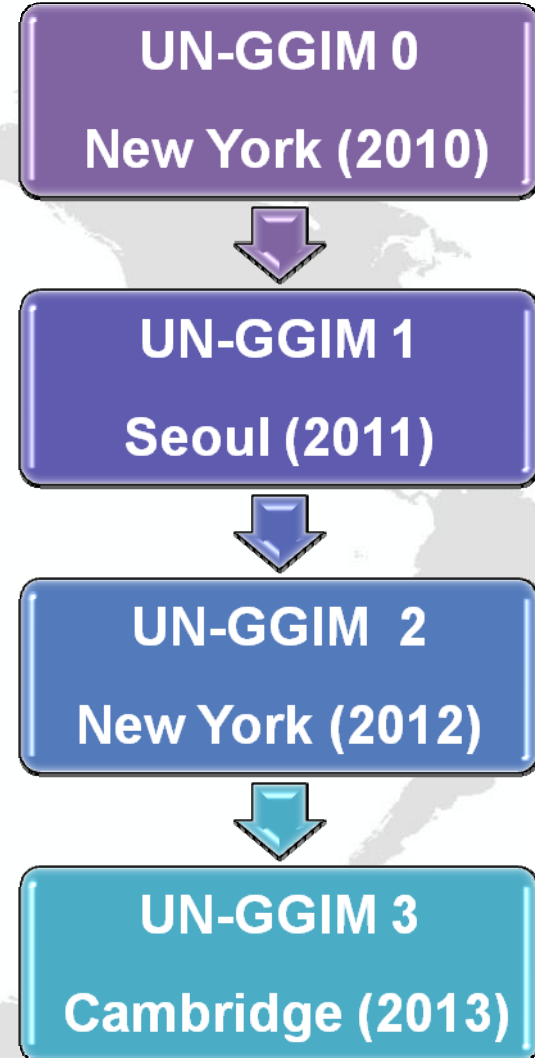
# 3. Call for global geospatial information management

## □ Growing Need on close cooperation with UN-GGIM

### 1st High Level Forum on GGIM (2011) in Seoul



### 2nd High Level Forum on GGIM (2013) in Doha



# 3. Call for global geospatial information management

## □ Growing Need on close cooperation with UN-GGIM

Hangzhou forum on GGIM (2012)



19th UNRCC-AP (2012)



# 4. PCGIAP reborn as UN-GGIM-AP

## □ 19th UNRCC-AP resolution (Nov 2012, Bangkok)

### 8. Coordination between regional and global initiatives on geospatial information management

*The Conference,*

*Recalling* resolution 16 at the Thirteenth Conference to form a permanent committee to discuss and agree on, inter alia, geographical information system standards, geographical information system infrastructure and institutional development, and linkage of the prospective committee with related bodies in the world, and the

Infrastructure for Asia

*Recommends* that PCGIAP enhance its role of regional and global geospatial information management, in close cooperation and coordination with UN-GGIM among others, with a new name that represents the renewed mandate, and regularly report its progress to the Conference.

*Noting* the vital roles of regional permanent committees in implementing the necessary actions to make progress in global geospatial information management at the second session of UN-GGIM,

*Recommends* that PCGIAP enhance its role of regional and global geospatial information management, in close cooperation and coordination with UN-GGIM among others, with a new name that represents the renewed mandate, and regularly report its progress to the Conference.



# 4. PCGIAP reborn as UN-GGIM-AP

## □ 18th PCGIAP & 1st UN-GGIM-AP Meeting Nov 2012, Bangkok



### Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific

#### STATUTES

Amended and Effective as of 1 November 2012

#### CHAPTER 1 GENERAL

##### Article 1 Name of the Committee

This Committee shall be called the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific (UNGGIM-AP) (Hereinafter called the "Committee").

#### CHAPTER 2 AIM AND PURPOSE

##### Article 2 Mandate and Authority

- (1) The Committee has been established pursuant to resolution 16 of the 13th United Nations Regional Cartographic Conference for Asia and the Pacific (Beijing 1994).
- (2) The name of the Committee has been changed from "the Permanent Committee on GIS Infrastructure for Asia and the Pacific" to "the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific" pursuant to resolution 8 of the 19th United Nations Regional Cartographic Conference for Asia and the Pacific (Bangkok 2012).
- (3) The Committee shall operate under the purview of the United Nations Regional Cartographic Conference for Asia and the Pacific (UNRCC-AP) and submit its report as well as recommendations to the Conference.

##### Article 3 Aim

The Committee shall identify regional issues relevant to geospatial information management and take necessary actions on them for the furtherance of the discussions in UNRCC-AP, and thus contribute to the discussions in the UNCE-GGIM so that the economic, social and environmental benefits of geospatial information will be maximized in Asia and the Pacific region.



## 4. PCGIAP reborn as UN-GGIM-AP

- **UN-GGIM-AP** : The Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific

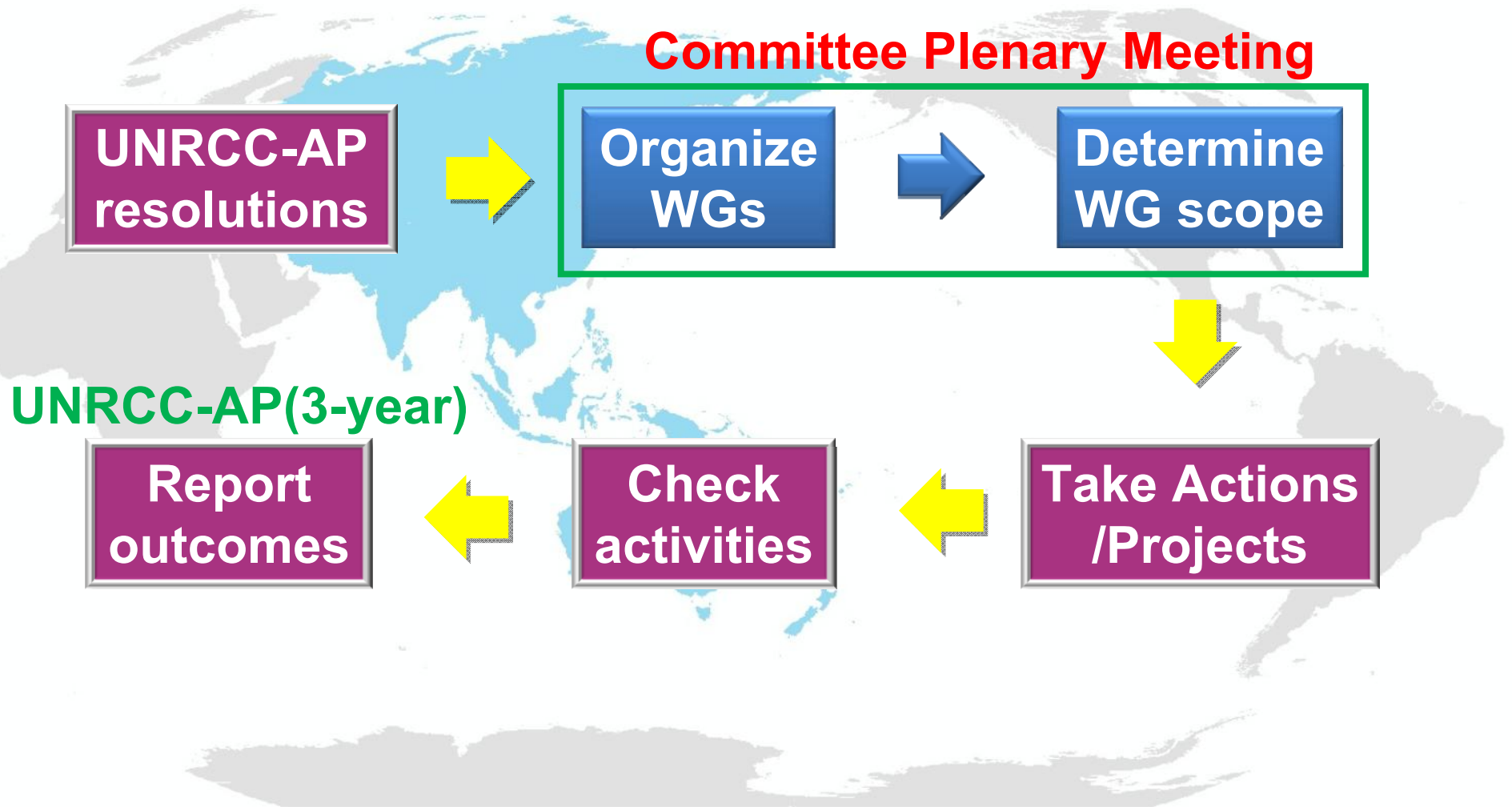
Aim: to identify regional issues relevant to geospatial information management and take necessary actions for the furtherance of the discussions in UN-GGIM.



<http://www.un-ggim-ap.org>

# 4. PCGIAP reborn as UN-GGIM-AP

## □ Committee Working Groups



# 4. PCGIAP reborn as UN-GGIM-AP

## New Working Groups for the resolutions of the 19th UNRCC-AP

- In order to implement the resolutions of the 19th UNRCC-AP, **3 Working Groups** have been organized at the 1st UN-GGIM-AP meeting.

1. Geodetic framework
2. Data Sharing and integration for disaster management
3. Acquisition and maintenance of place-based information
4. Web/Cloud-based services for the delivery of geospatial information
5. Capability to deliver and use geospatial information
6. Usefulness and benefits of geospatial information
7. Shared statement of ethical principles
8. Coordination between regional and global initiatives on geospatial information management
9. Twentieth United Nations Regional Cartographic Conference for Asia and the Pacific

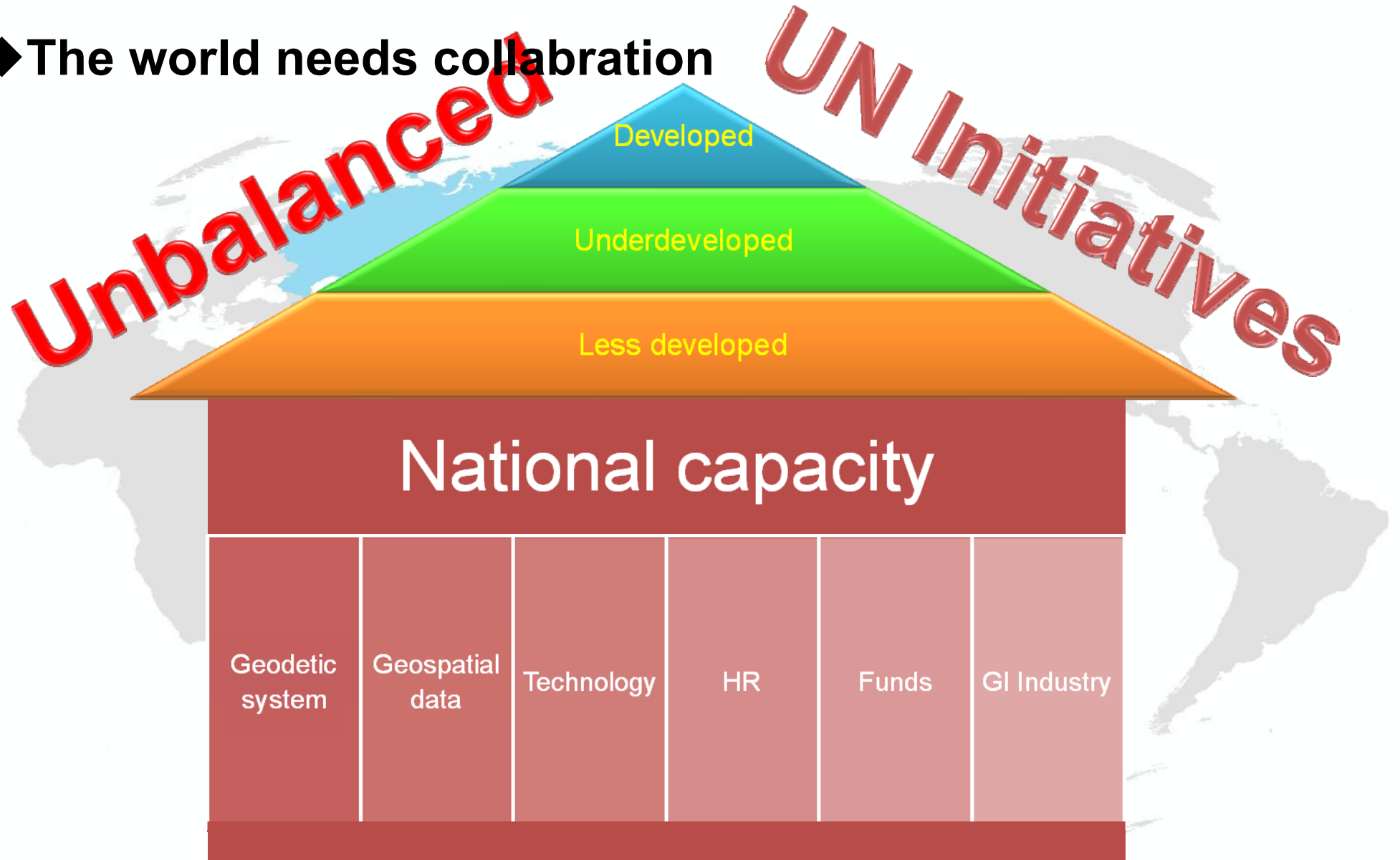
Geodetic reference framework for sustainable development

Data sharing and integration for disaster management

Place-based information management for economic growth

# 5. Needs for global collaboration

◆ The world needs collaboration

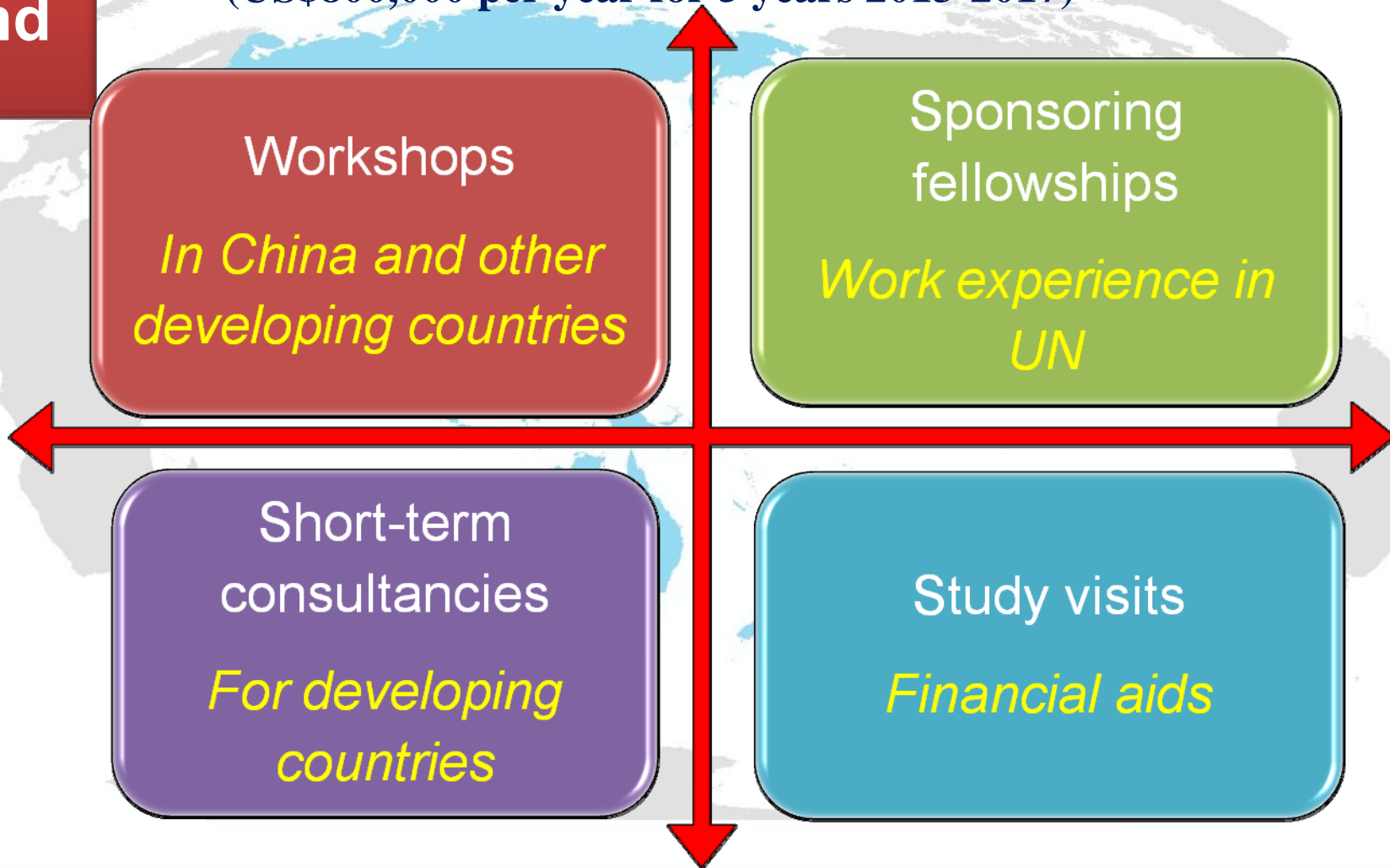




# 5. Needs for global collaboration

**China  
Trust  
Fund**

**Geospatial Information Management Capacity  
Development in China and other Developing Countries  
(US\$800,000 per year for 5 years 2013-2017)**



# 6. Future perspectives

## Work plans of UN-GGIM-AP

3-year work plan of each WG was submitted (Dec. 2012)

↓

Embark initial stage of activities/projects of each WG

↓

Check the work at EB meetings and plenary meetings (every 1 year)  
(28-30 October 2013, Iran)

↓

Discuss and reconfirm directions of activities/projects (2013~2015)

⋮

Report final results to the 20th UNRCC-AP (2015)

## 6. Future perspectives

### Close cooperation and harmonization with UN-GGIM

- Contribute to UN-GGIM regarding regional issues
- Enhance cooperation with UN regional bodies (ESCAP, etc.)
- Cooperate with other regional UN-GGIM Committees

**UN-GGIM**



Global issues

**APREF**

**Data Sharing**

**Place-based  
Management**

**UN-GGIM-AP**

## 6. Future perspectives

# Chengdu Forum on UN Global Geospatial Information Management

**15-17 October 2013**  
**Chengdu, China**

**Theme: Urban Hazard Mapping**

For details, please visit <http://ggim.un.org>



A world map is shown in a light gray, semi-transparent style. The text "Thank you" is written in a bold, blue, sans-serif font, centered over the map. The map shows the outlines of continents and oceans, with the text positioned over the Indian Ocean and Southeast Asia region.

**Thank you**