

建设智慧世界，促进永续发展

**A Smarter World for
Sustainable Development**

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**美国 纽约 联合国总部 UNHQ , New York, USA
2014年7月9日 July 9,2014**



A Changing World

郑和下西洋路线图



- Age of great geographic discovery
Understanding the earth
- Measure the earth
- Development on the earth
- Monitoring the earth

A Changing World

Environment



Economy



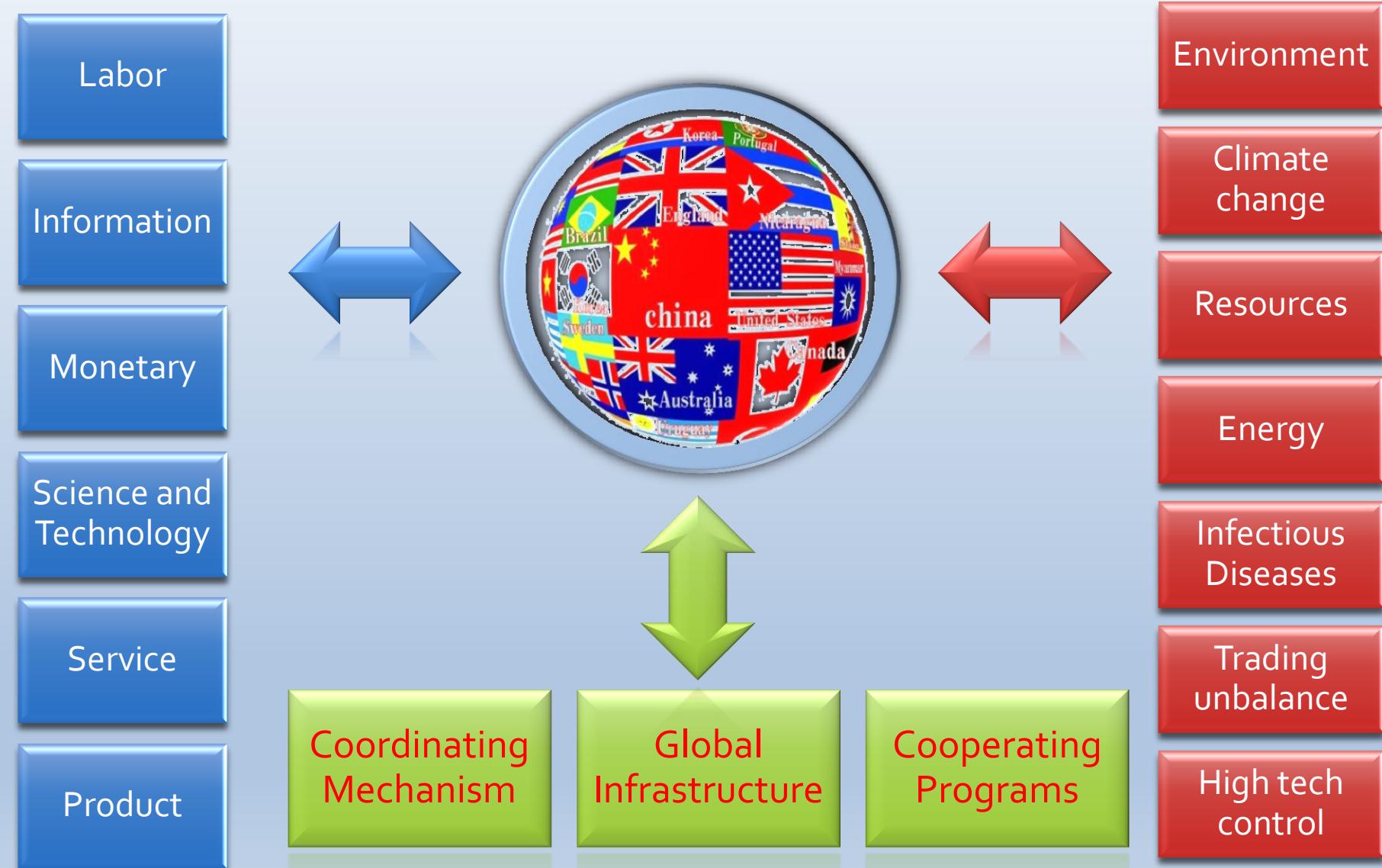
Population



Resources

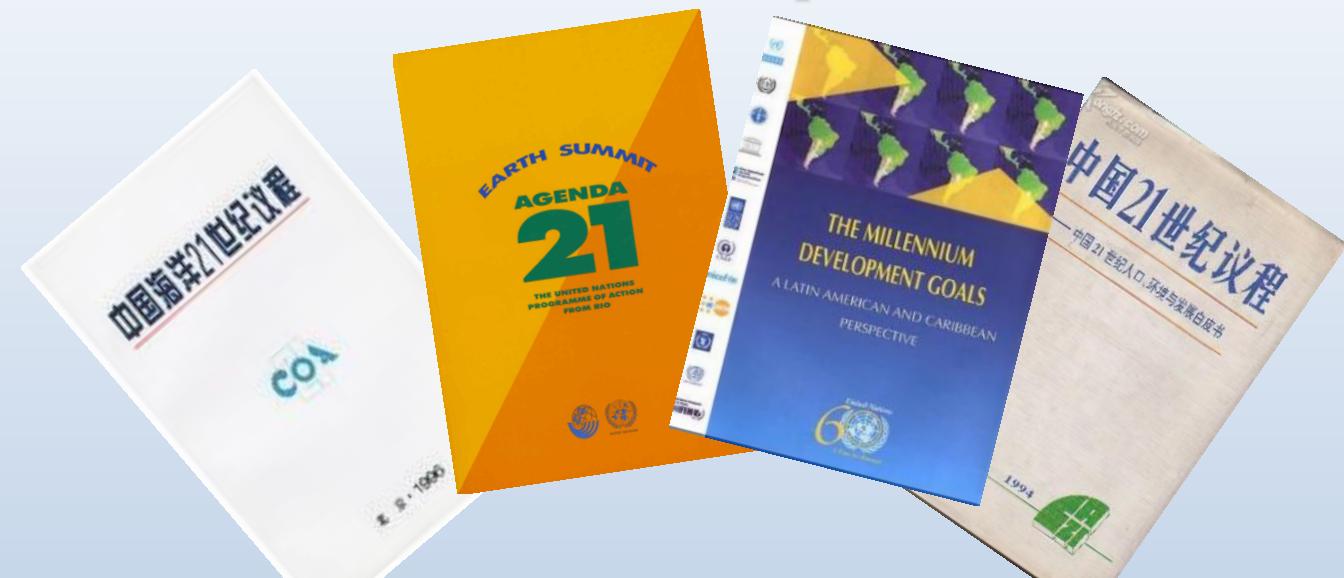


Effects of Globalization



Striving for Sustainable Development

The 8 Millennium Development Goals



Measure and Monitor
Sustainable Development

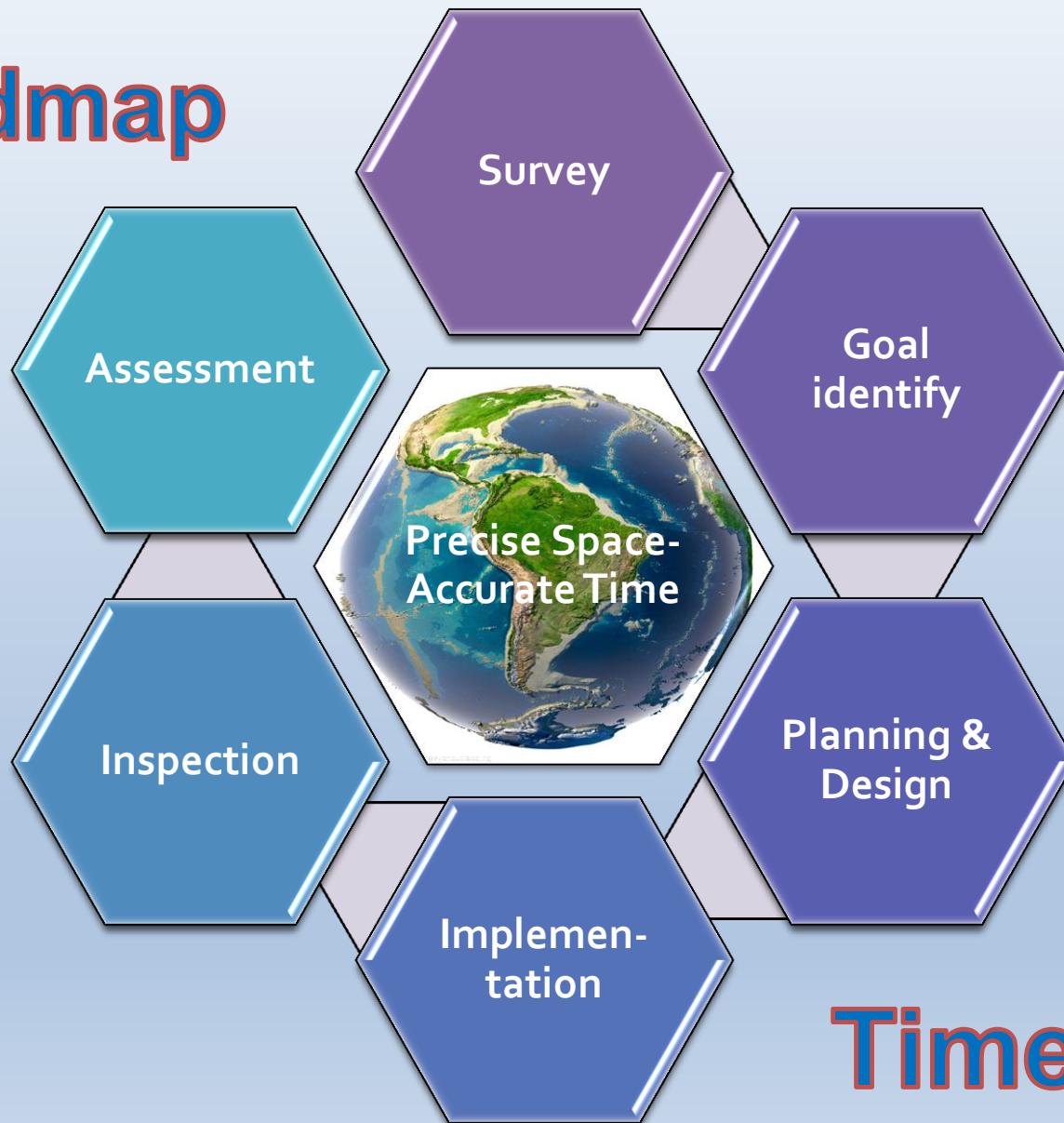


Charting the Future of SD



Phases of Scientific Development

Roadmap



Timetable

UN Data and Maps



UNdata

A world of information

Data Glossary Metadata API More

34 databases - 60 million records

Databases	Updates	Country data services
Crime <ul style="list-style-type: none">UNODC Homicide Statistics 2012,UNODC	Tweets by @unodata	Afghanistan Albania Algeria Andorra
Education <ul style="list-style-type: none">UIS Data Centre, UNESCO UIS	UNESCO	Angola Argentina Armenia Australia Austria Azerbaijan Bahrain Belarus Belgium Bolivia Brazil Bulgaria Cabo Verde Croatia Cuba Cyprus Czechia Denmark Ecuador Egypt El Salvador Eritrea Estonia Finland France Germany Greece Hungary Iceland Ireland Italy Japan Kazakhstan Kuwait Latvia Lithuania Luxembourg Malta Moldova Montenegro Morocco Niger Nigeria Norway Oman Pakistan Peru Poland Portugal Romania Russia Sao Tome and Principe Sri Lanka Syria Tajikistan Tunisia Uganda Ukraine United Kingdom United States Uruguay Venezuela Yemen

 MBS Monthly Bulletin of Statistics and other UNSD data resources

Popular searches   

Feedback and reviews  

<http://www.un.org/Depts/Cartographic/english/htmain.htm>

UN MAP_350搜索 [Undata_350搜索](#)

Welcome to the United Nations Cartographic Section

Department of Field Support

[French version](#) - [Russian Version](#)

Maps

General Maps



More than 100 General Maps are available currently. Maps are in PDF format for best display and print results.

Mission Maps



Display, save or print the latest deployment maps and mission reports in PDF format for best display and print results. Click on the mission name in the menu box below. [Links to DPKO mission web sites](#)

Select a mission

Peacekeeping and Peacebuilding maps

- [UN Line of Israeli Forces in Lebanon](#)
- [The Korean War Crisis](#)
- [UN Civilian Staff Distribution](#)
- [UN Peacekeeping Operations](#)
- [The World in 1945](#)
- [UN Peacekeeping Missions](#)
- [Area of Bakassi](#)
- [Urgence map](#)

FAO // GeoNetwork [Find and analyze geo-spatial data]

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Search

Reset Advanced Options

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 - Base Maps, Remote Sensing and Toponomy
 - Biological and Ecological Resources
 - Climate
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 - Forests
 - Human Health
 - Hydrology and Water Resources
 - Infrastructure
 - Land Cover and Land Use
 - Population and Socio-Economic Indicators
 - Soils and Soil Resources
 - Topography
- RECENT CHANGES 
 - Global Administrative Unit Layers (GAUL)
 - Soil Map of São Paulo State
 - Physiographic map for Near East Asia
 - Changes in the number of undernourished, by country, between 1990-1992 and 2000-2002 (FGO)
 - Combined suitability of currently available land for

Show map

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

GIS GATEWAY - THEMATIC SPATIAL DATABASES AND INFORMATION SYSTEMS

AGRO CLIMATE
28,000 stations with Rainfall, Temperature

Clipmap
Climate impact on Agriculture

ENVIRONMENT
TEMIS
Meta database on environmental information

FARMING SYSTEMS
FARMING SYSTEMS
• Farming systems and associated maps in the developing world

FISHERIES
GISFISH
Global Gateway to GIS, Remote Sensing and Mapping for Aquaculture and Inland Fisheries

FOOD SECURITY
GIEWS
Global Information and Early Warning System on Food and Agriculture

FORESTRY
FOREST RESOURCES
Global forest resource inventory maps

GEOGRAPHICAL INFORMATION SYSTEMS TECHNOLOGY

GIS Unit
Geographic Information Systems in Sustainable Development

KIDS
Key Indicators Database System

THE WORLD

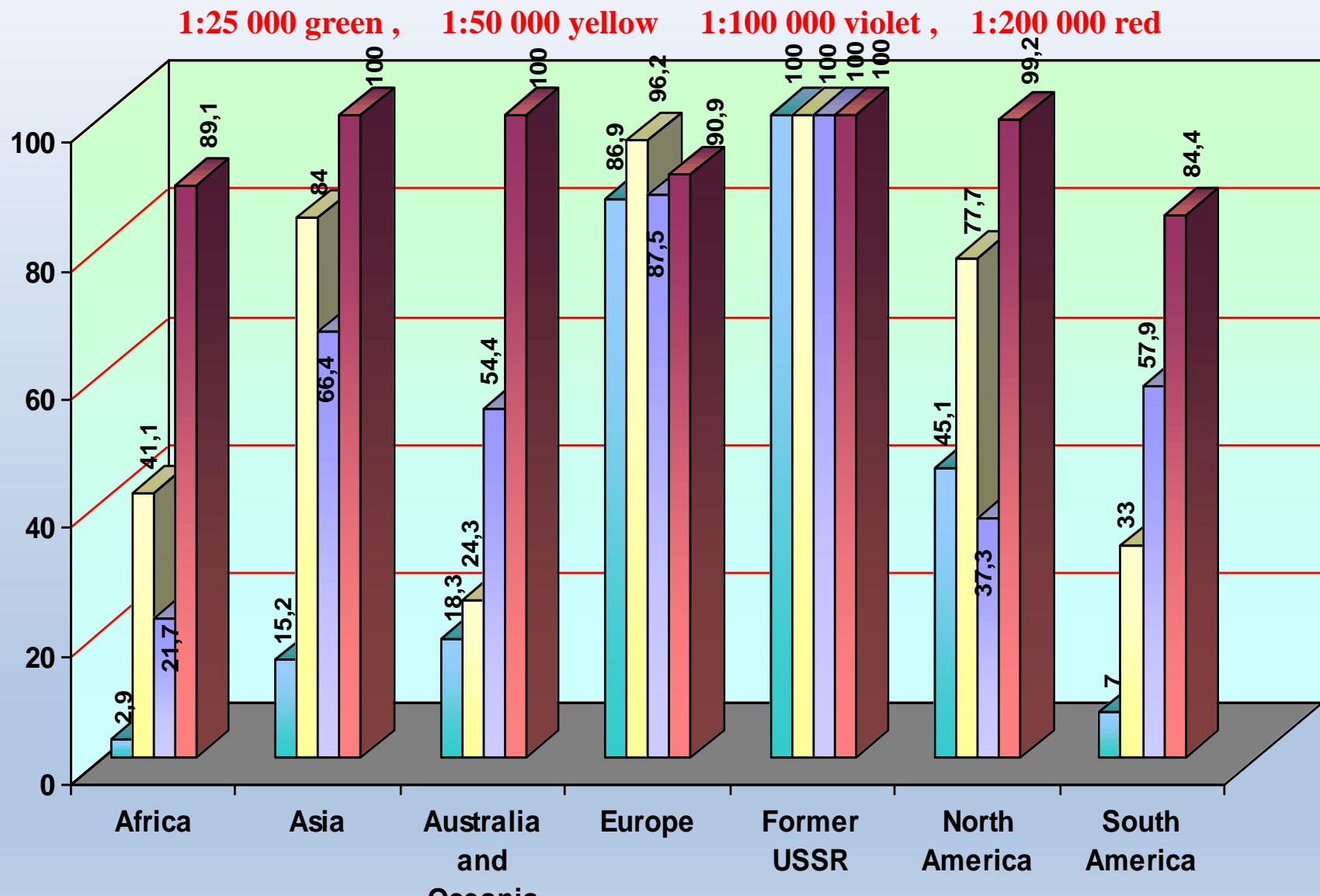
Map showing the world with various environmental and geographical features. Labels include:

- North America: Alaska (USA), Canada, United States of America, Mexico, Brazil, Argentina, Chile, Uruguay, Paraguay, Bolivia, Peru, Ecuador, Colombia, Venezuela, Guyana, Suriname, French Guiana.
- Europe: Iceland, Norway, Sweden, Finland, Russia, Poland, Germany, France, Spain, Portugal, Italy, Greece, Turkey, Bulgaria, Romania, Moldova, Ukraine, Russia, Belarus, Lithuania, Latvia, Estonia, Slovenia, Croatia, Montenegro, Serbia, North Macedonia, Albania, Georgia, Armenia, Azerbaijan, Kyrgyzstan, Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan, Afghanistan, Iran, Pakistan, India, Nepal, Bangladesh, Sri Lanka, Thailand, Vietnam, Laos, Myanmar, Philippines, Indonesia, Malaysia, Singapore, Brunei, East Timor, Papua New Guinea, Solomon Islands, Federated States of Micronesia, Marshall Islands.
- Africa: Mauritania, Senegal, Gambia, Sierra Leone, Liberia, Ivory Coast, Ghana, Togo, Benin, Nigeria, Niger, Chad, Central African Republic, South Sudan, Sudan, Eritrea, Ethiopia, Djibouti, Somalia, Kenya, Uganda, Rwanda, Burundi, Congo, Democratic Republic of Congo, Angola, Malawi, Zambia, Zimbabwe, Namibia, Botswana, Lesotho.
- Oceania: Australia, New Zealand, Fiji, Tonga, Samoa, Cook Islands, Niue, Palau, Marshall Islands, Federated States of Micronesia, Kiribati, Tuvalu, Nauru, Solomon Islands.

The map also features a grid with labels for latitude (N, S) and longitude (W, E). Below the map, six blue boxes represent different data types:

- Topology
- Bathymetry
- DEM
- Watershed
- Climate
- Soils

World Mapping Status



1:25 000 1/3; 1:50 000 1/2; 1:250 000 nearly complete

Sustainable Development in China



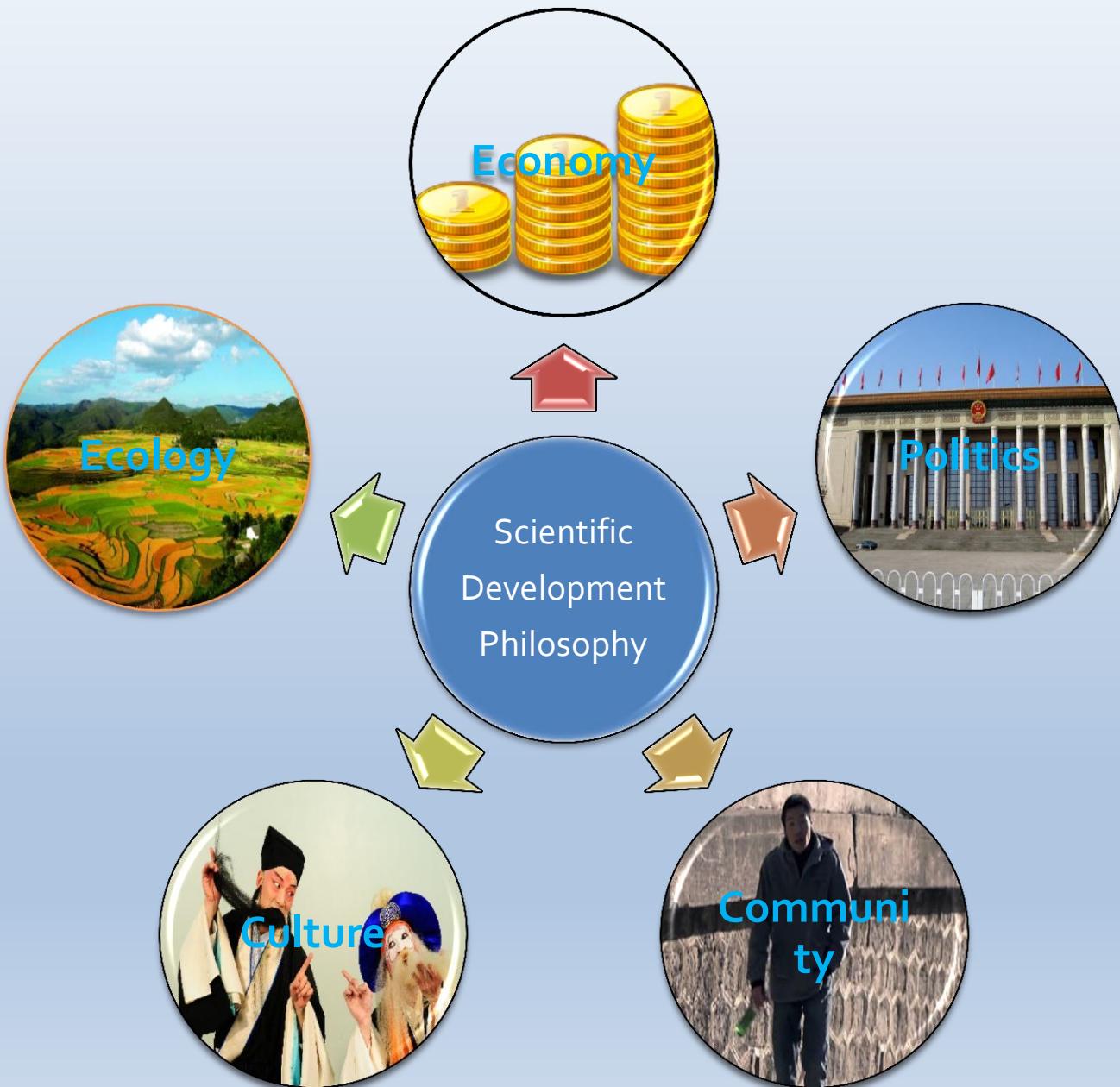
Sustainable Development—The Road to Achieve Chinese Dream and Human Progress

-----*Foreign Minister Mr. Wang Yi
on 1st HLPF Sept.24,2013*

Sustainable Development is an essential national policy!



A Beautiful China with New Reform



Industrialization

Urbanization

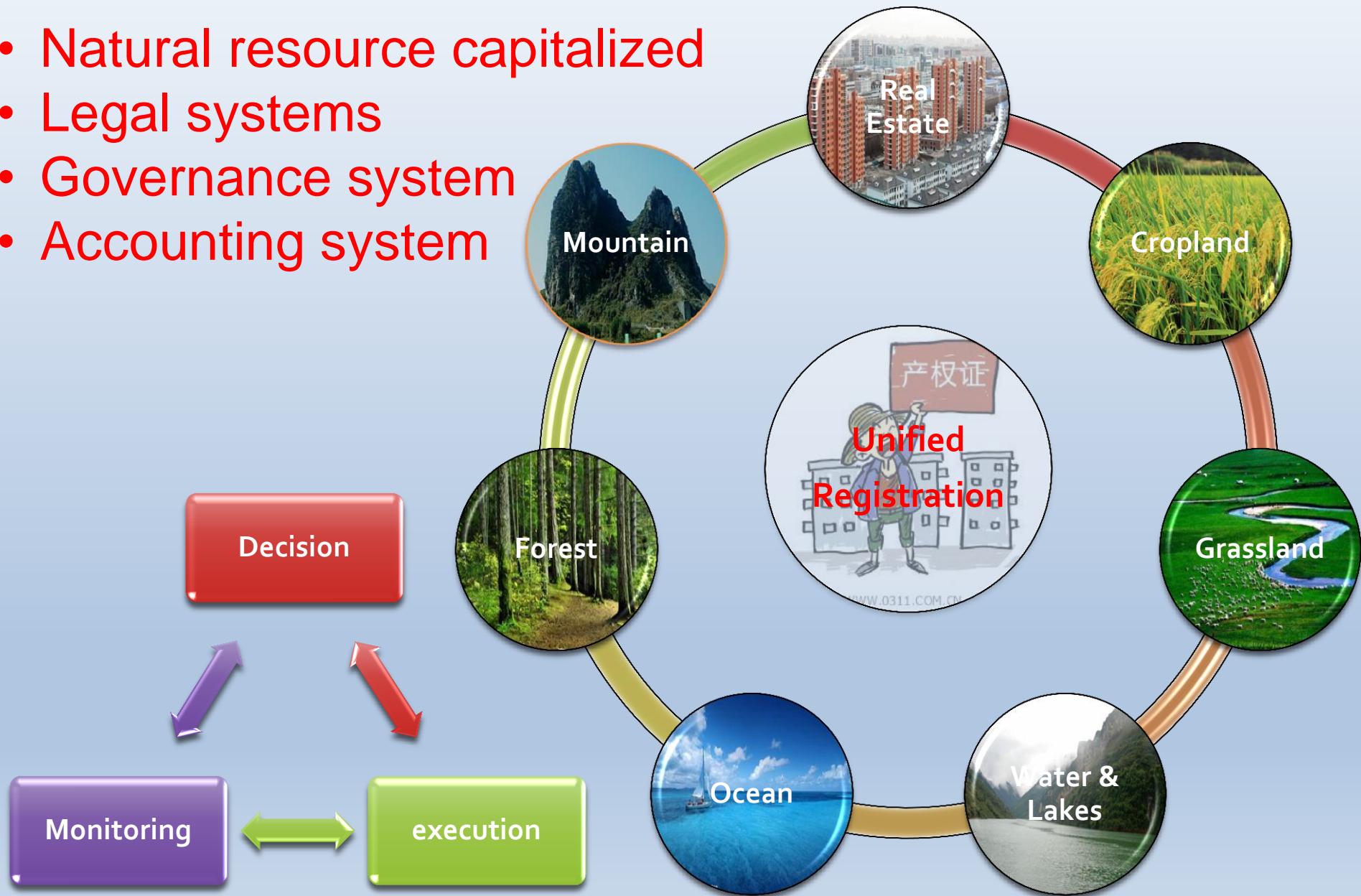
Agricultural Modernization

Informatization

Governance Modernization

Ecological Civilization

- Natural resource capitalized
- Legal systems
- Governance system
- Accounting system



Geospatial Planning for SD in China

- Main Functional Zone Planning
- Ecological Redline Planning
- Land Use Planning
- Urban Planning
- New Village Planning
- Industry Planning
- Tourism Planning
- Agricultural Planning
- Integrated Geospatial Planning

Geospatial Planning for SD in China

National Main Functional Zone Planning

- 

The background image shows a map of China with various agricultural regions highlighted in different colors (green, yellow, blue) and labeled with their respective crop names. A legend box in the bottom right corner identifies the main crop production areas for the Yangtze River Basin, including rice, soybeans, cotton, and rapeseed.

 - 1.Optimized development
 - 2.Emphasizes development
 - 3.Limited development
 - 4.Restrict development

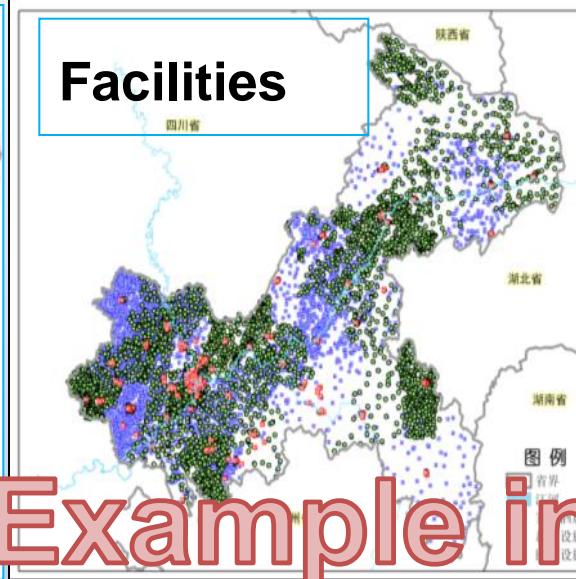


Geospatial Planning for SD in China

Waters



Facilities

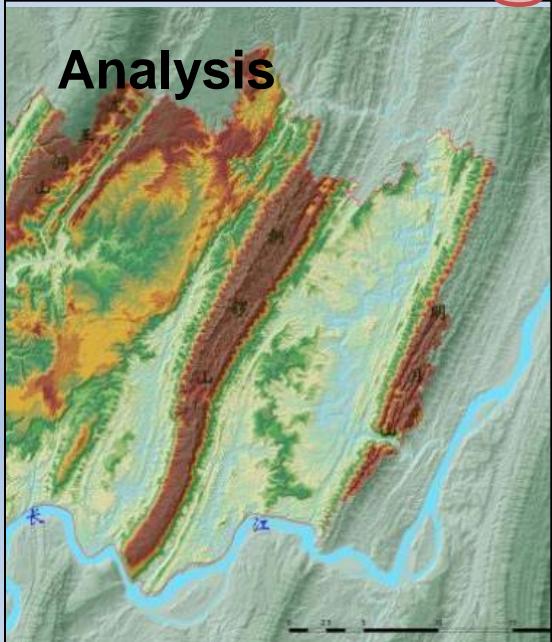


Population



Planning Example in Chongqing

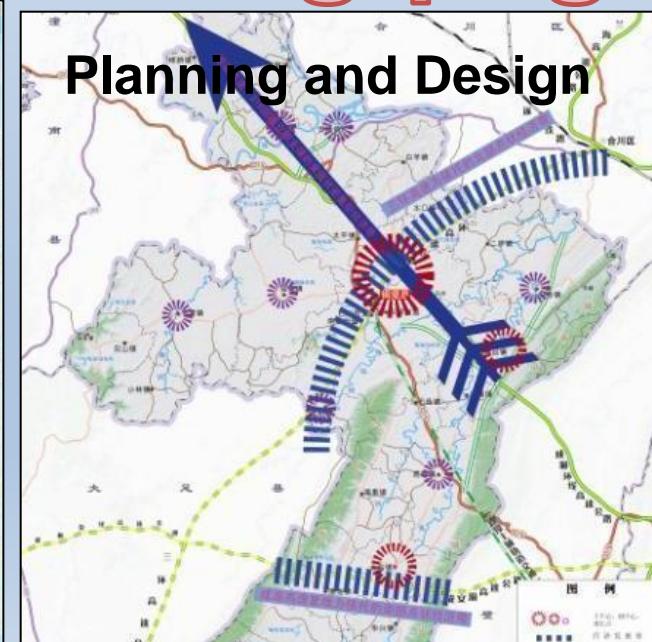
Analysis



Assessment



Planning and Design



Increasing Capacity for a Smarter China

Laws and Governance

Geo-reference and standards

Maps and geospatial data

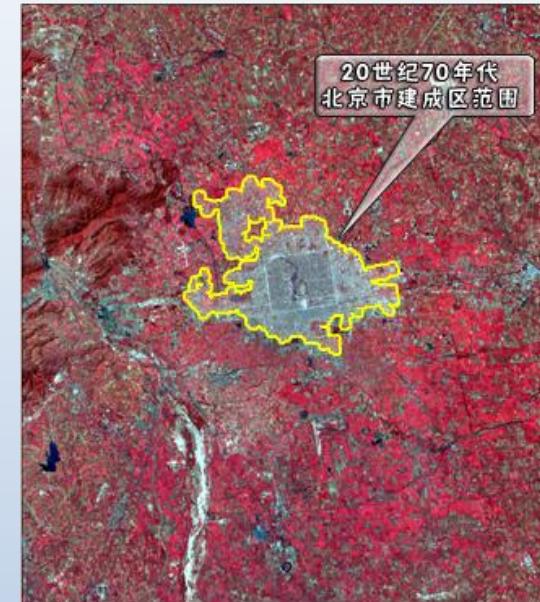
Technology and HR

GI Industry

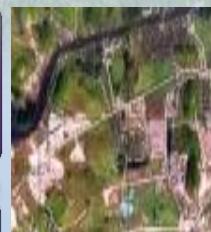
Geospatial infrastructures



China Geography Census & Monitoring



Geographic Census



Physical
Geography

Human
Geography

Natural
Features

Land Cover

Artificial
Features

Social-
Economic
Data

GlobalLand 30



Open to UN for all the World

Call for a New GIM Authority



UN-China Trust
Fund

Visits aids
Consulting
Fellowships
Workshops

Call for a New Map of the World

Global Geospatial Data Infrastructure

Governance
Systems

Referencing
Framework

Geo-

Standards

Geo-data

Exchange

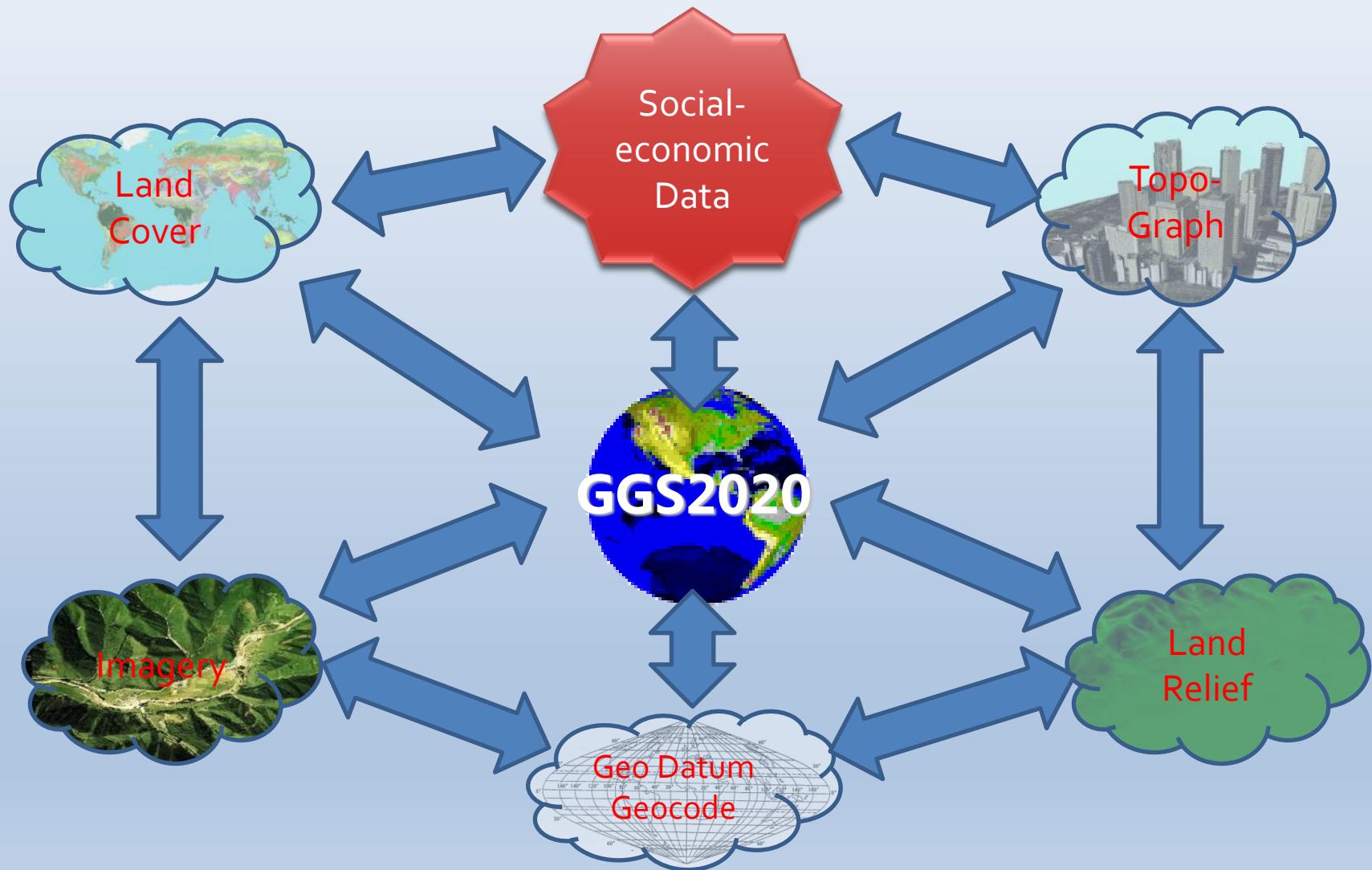
Geo-Service



UN-GGIM
UNITED NATIONS INITIATIVE
ON GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

MH370?

Call for a Global Geographic Census



Call for a Smarter World We Want

Digital Earth



Smarter World

Geospatial
Data



Social-
Economic
Data

Social-
Economic
Census

Geo
Sensors

Geocoding &
Standards

Geo-Reference
& Standards



Conclusion Remarks

- 1.The changing world
- 2.Space-time view of SD
- 3.Lessons learnt in China
- 4.A New GIM Authority
- 5.A Global Geographic Census 2020
- 6.A New Map of the World
- 7.A Smarter World

Thank You ! 谢谢 !