



# Geospatial Knowledge Innovation to Accelerate Sustainable Development Goals

United Nations Global Geospatial Knowledge and Innovation Centre



# Summit of the Future and Outcome Documents



## Pact for the Future

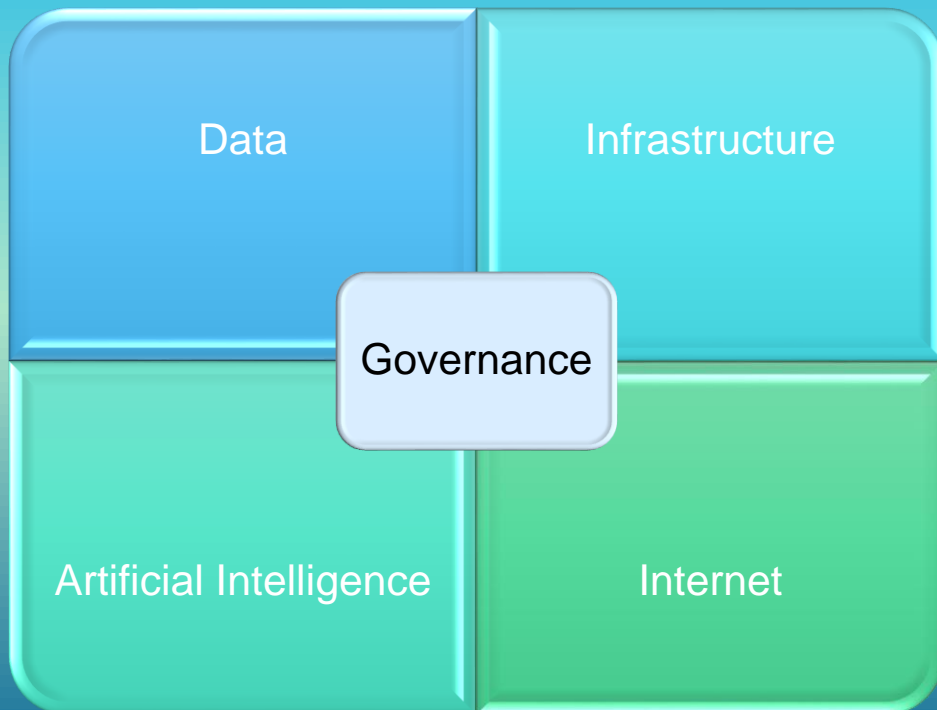
- I. Sustainable development and financing for development (Actions 1~12)
- II. International peace and security (Actions 13~27)
- III. Science, technology and innovation and digital cooperation (Actions 28~33)
- IV. Youth and future generations (Actions 34~37)
- V. Transforming global governance (Actions 38~56)

## Global Digital Compact

1. **Close all digital divides** and **accelerate progress** across the Sustainable Development Goals;
2. Expand inclusion in and benefits from **the digital economy for all**;
3. Foster an inclusive, open, safe and secure **digital space** that respects, protects and promote human rights;
4. Advance responsible, equitable and interoperable **data governance** approaches;
5. Enhance **international governance of artificial intelligence** for the benefit of humanity.

## Declaration on Future Generations

# Global Geospatial Governance for the Future



# UN-GGIM and Centres of Excellence



United Nations Global Geospatial Knowledge and Innovation Centre  
Huzhou (Deqing), Zhejiang, China

1. Developing leadership and collaboration
2. Addressing national priorities, accelerating the goals
3. Fostering geospatial knowledge methods
4. Enabling innovation and technology
5. Enhancing communication and awareness



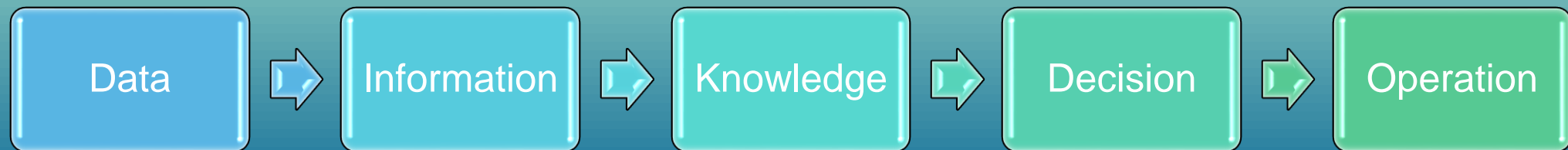
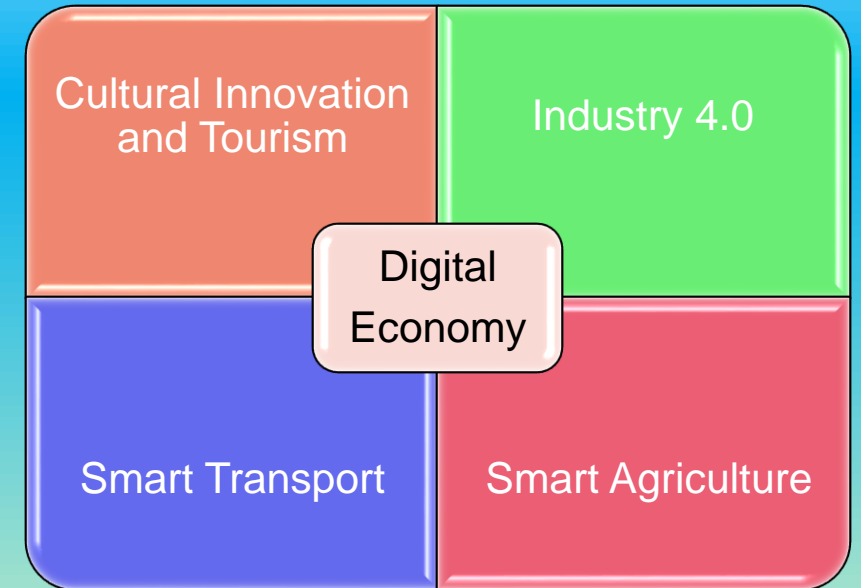
United Nations Global Geodesy Centre of Excellence, UN Centre in  
Bohn, Germany



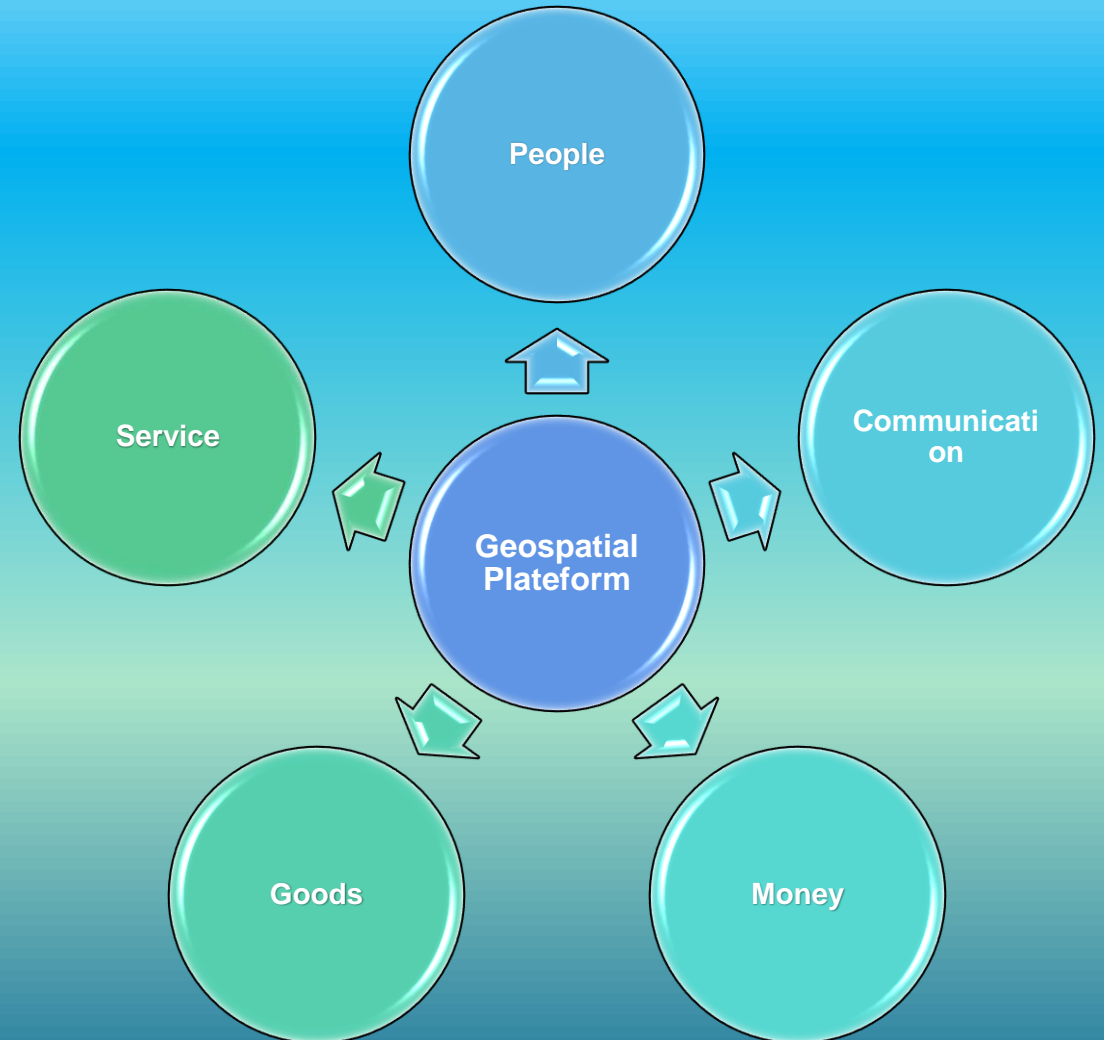
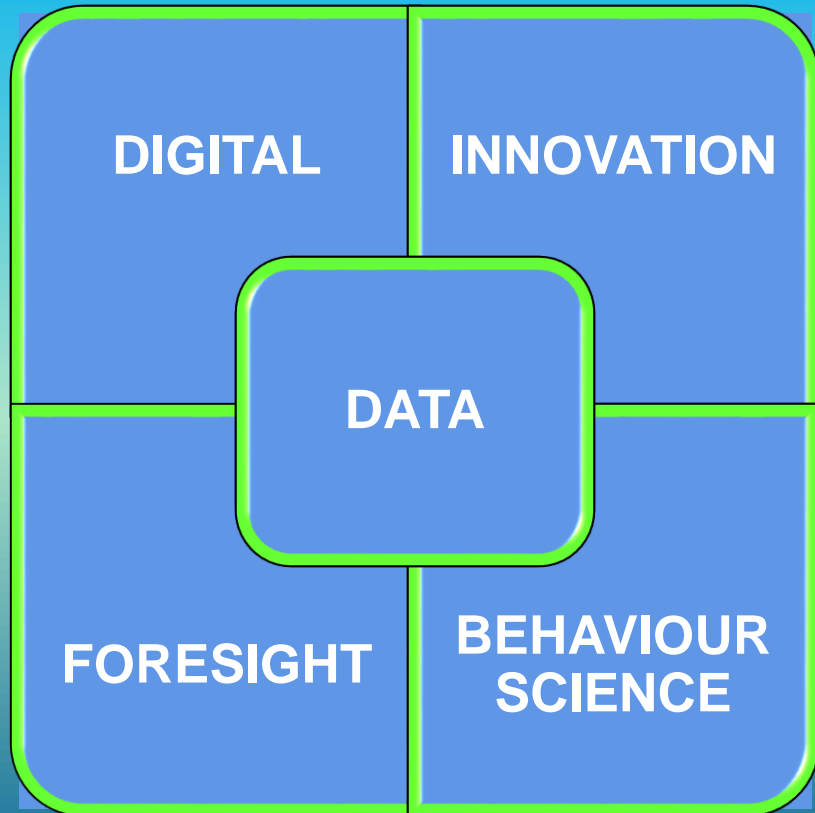
United Nations Global Geospatial Information Ecosystem Centre of Excellence in Riyadh,  
Saudi Arabia to be launched soon!

# Data and Technology

- IoT and 5G
- Big Data and Data Science
- Block-Chain and Safety
- Algorithm and Platform
- Deep learning and AI
- Robotics and automation



# UN 2.0 Need Geospatial Foundation

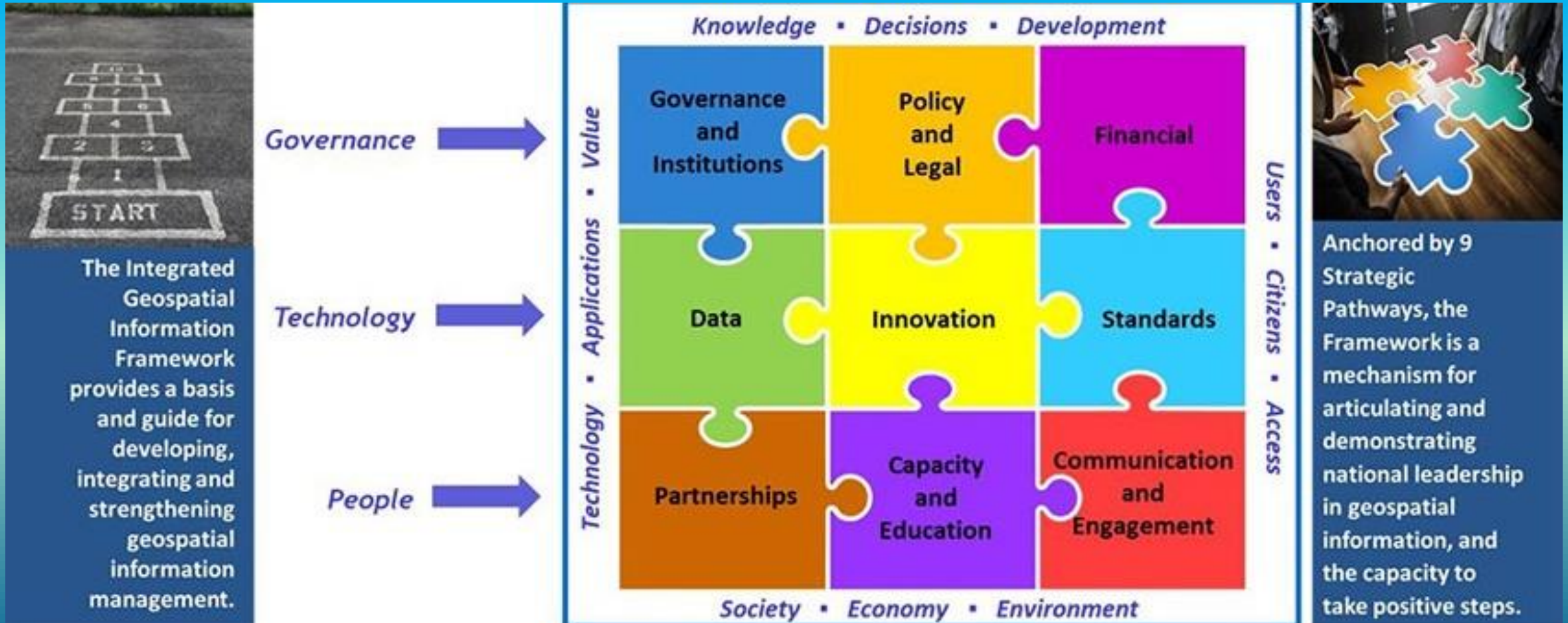




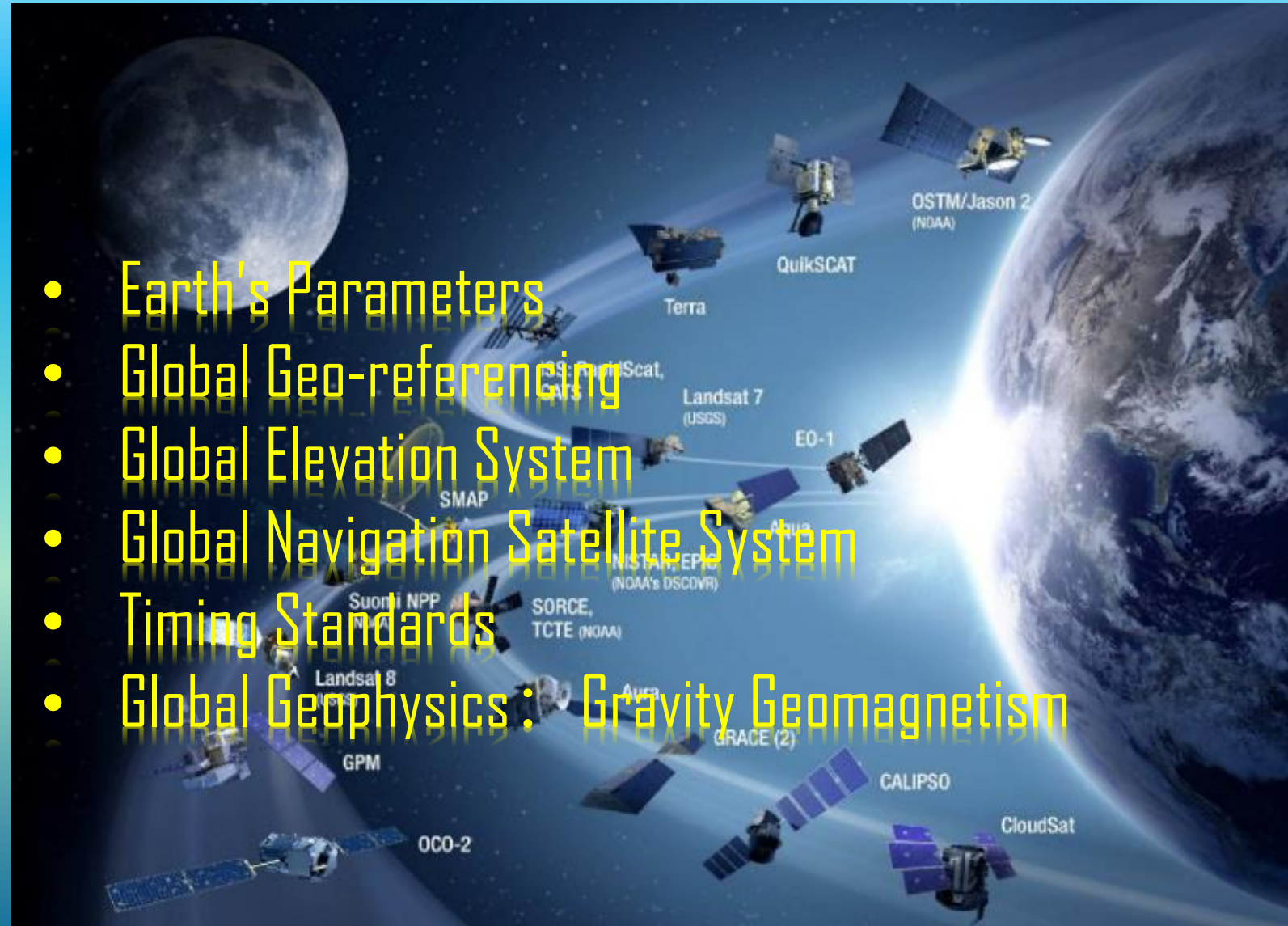
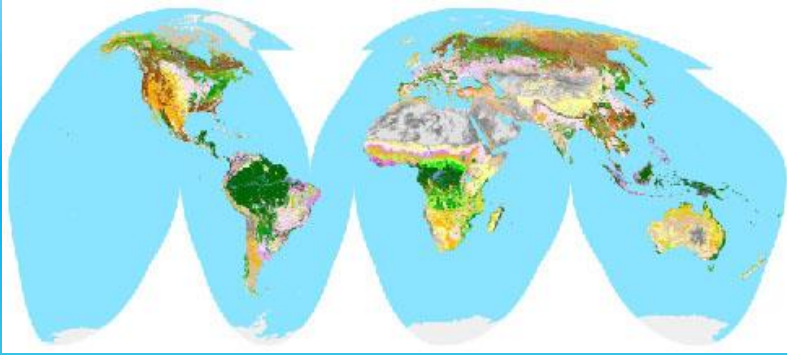
# UN IGIF for the Future

- Overall Strategic Framework;
- Implementation Guide;
- Country Action Plan

## High Level Group on UN-IGIF



# Global Geodetic Framework Embedding All



- Earth's Parameters
- Global Geo-referencing
- Global Elevation System
- Global Navigation Satellite System
- Timing Standards
- Global Geophysics: Gravity Geomagnetism



# Earth Observation Systems Monitoring Changes



## Deep Space Exploration

深空



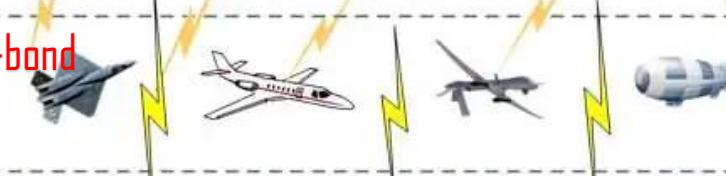
## Space-bond

天基



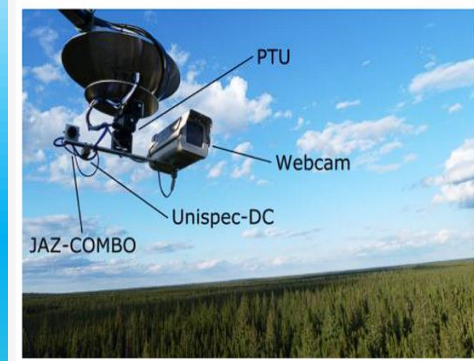
## Aerial-bond

空基



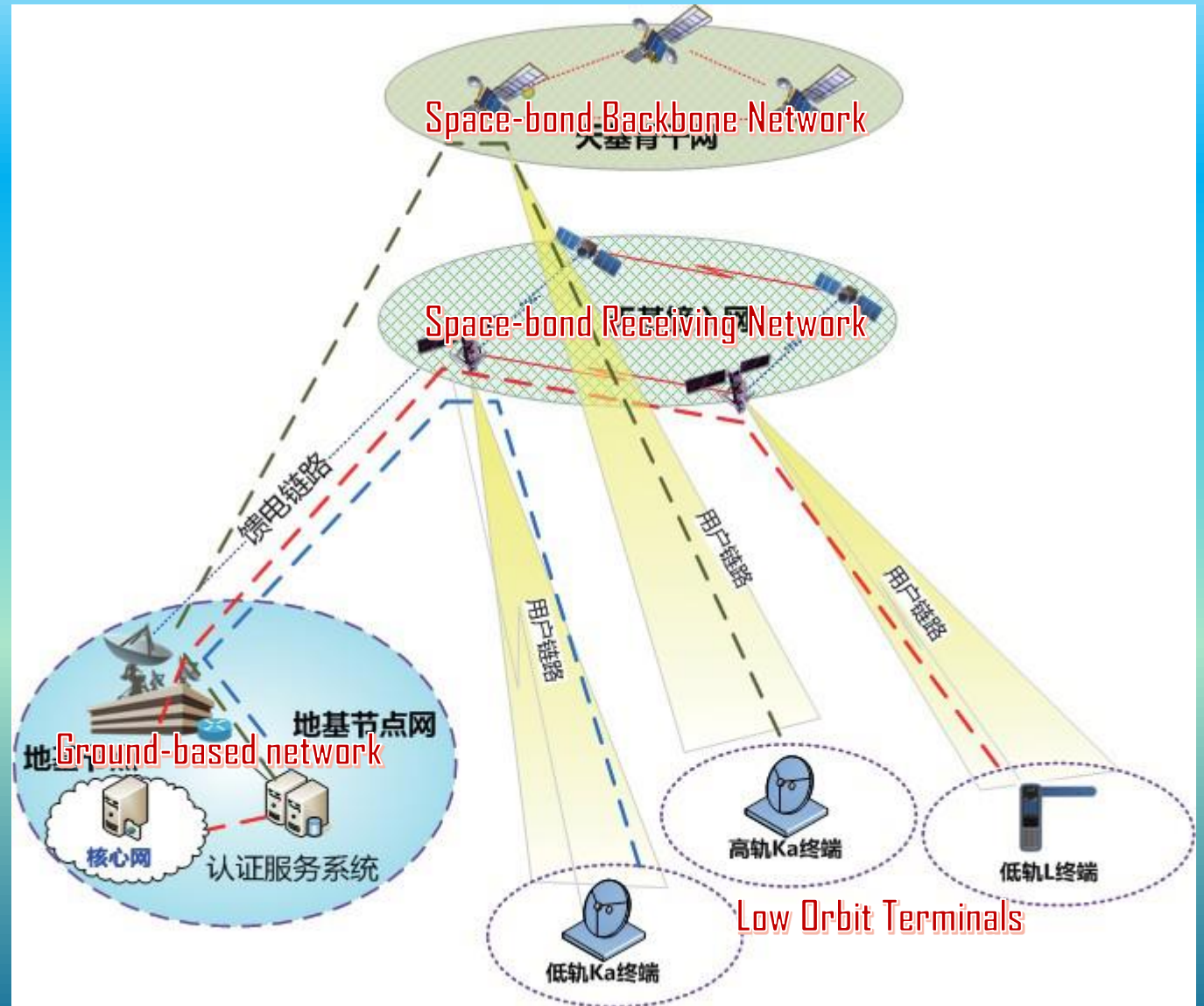
## Ground-based Ocean-floating

陆基  
海基



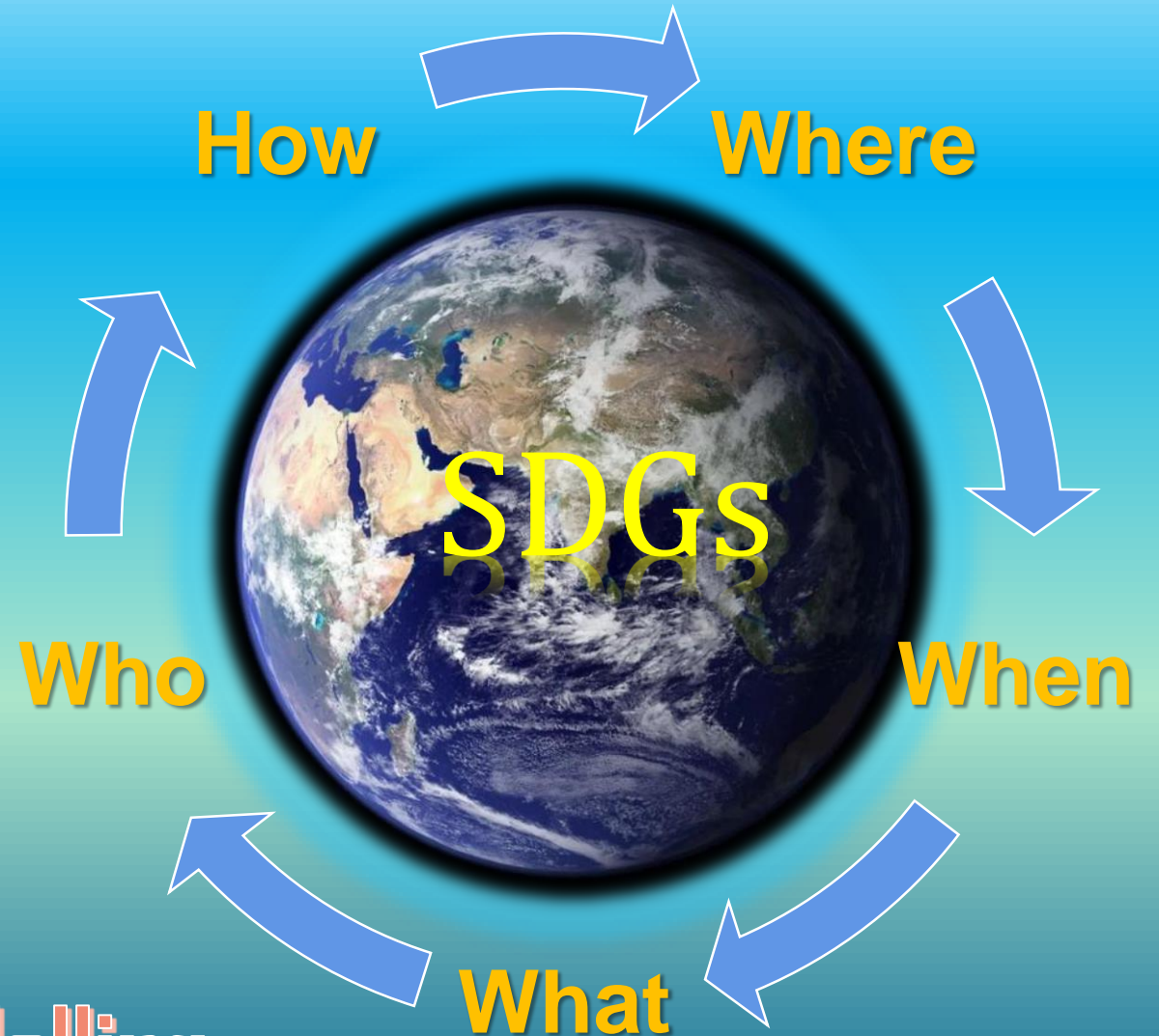
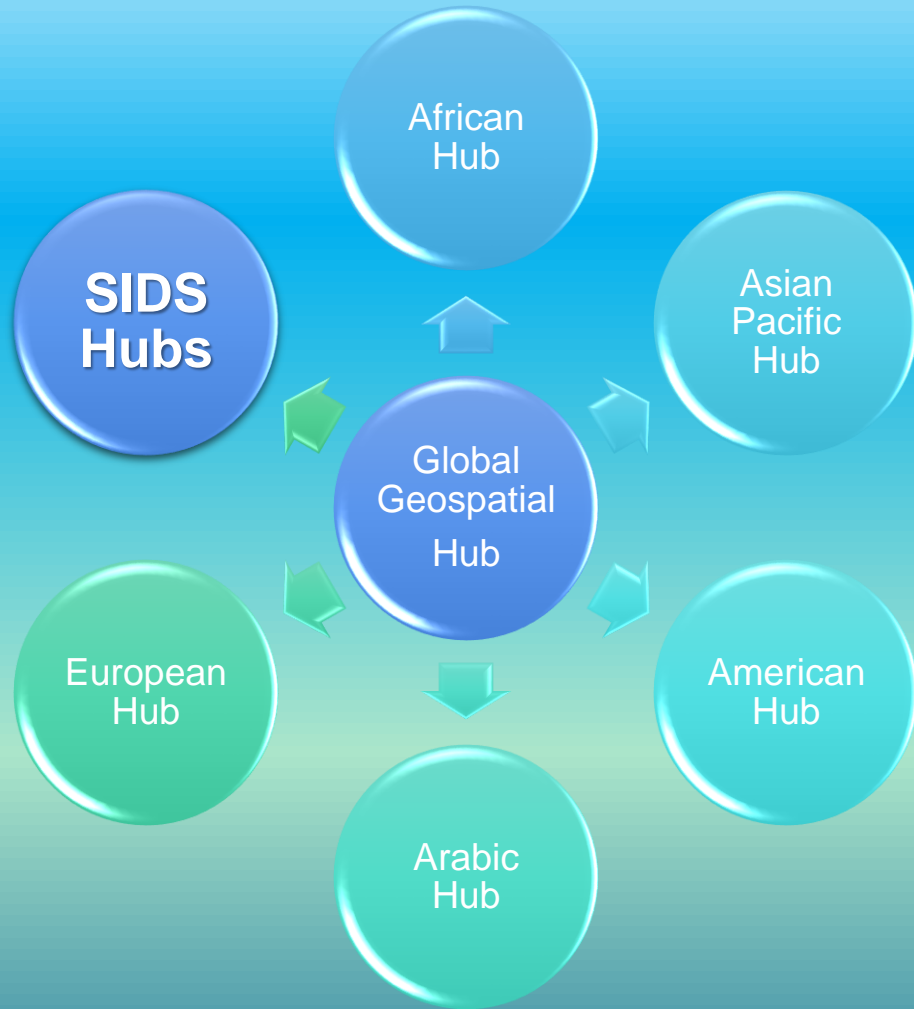


# Global Communication Network Uniting All



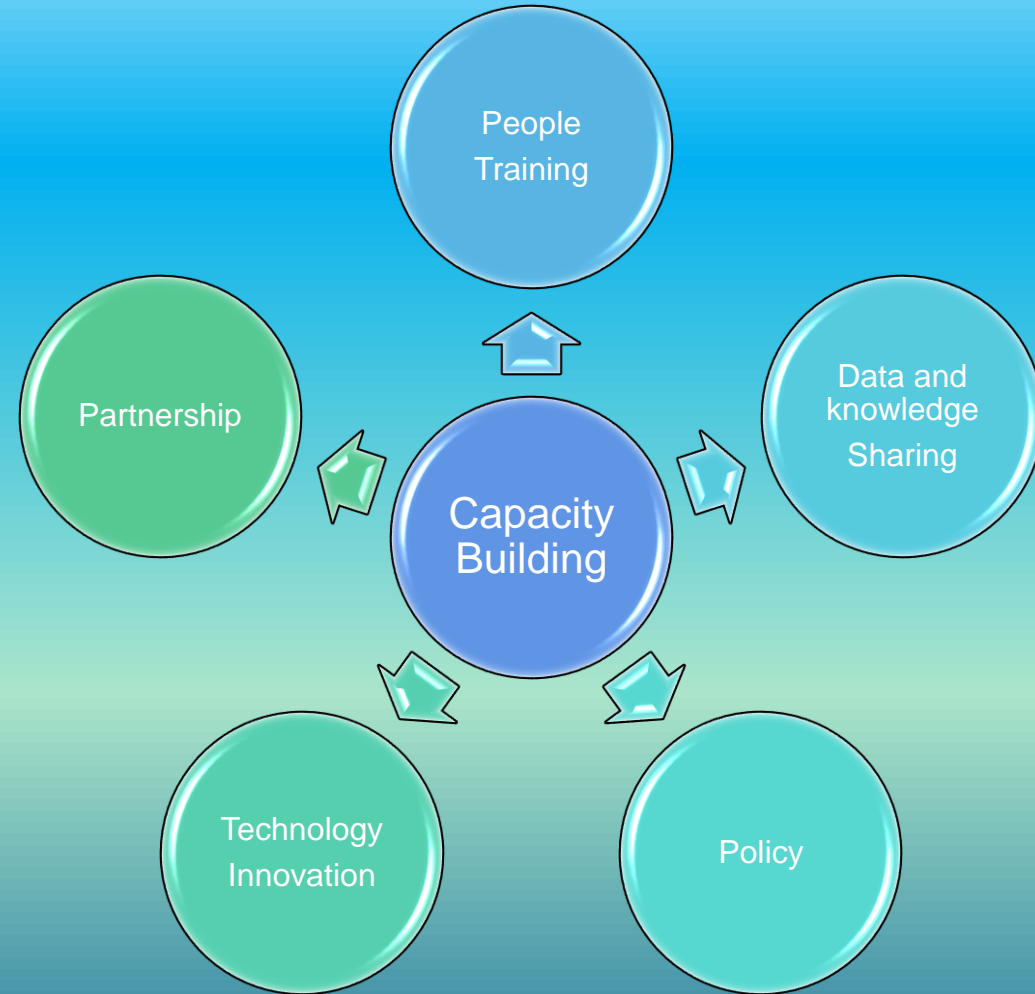
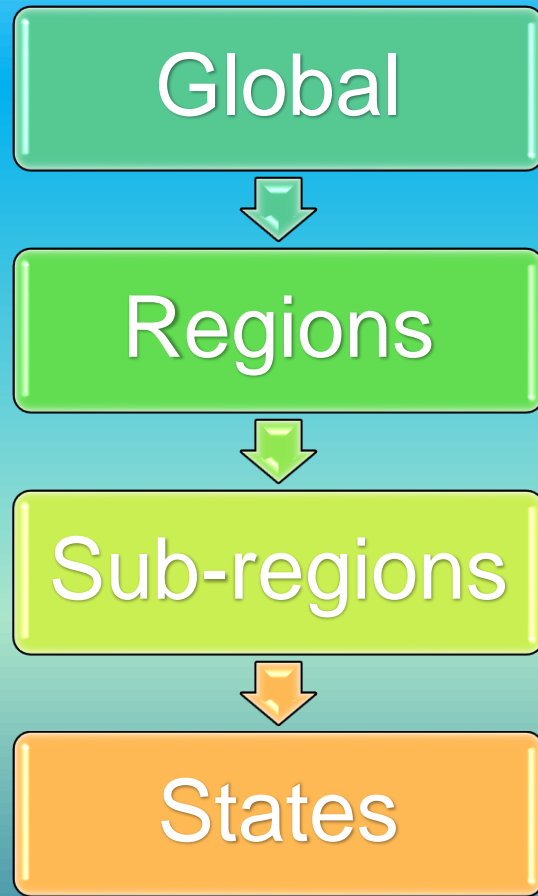


# Geospatial Data Hub Accelerating Applications



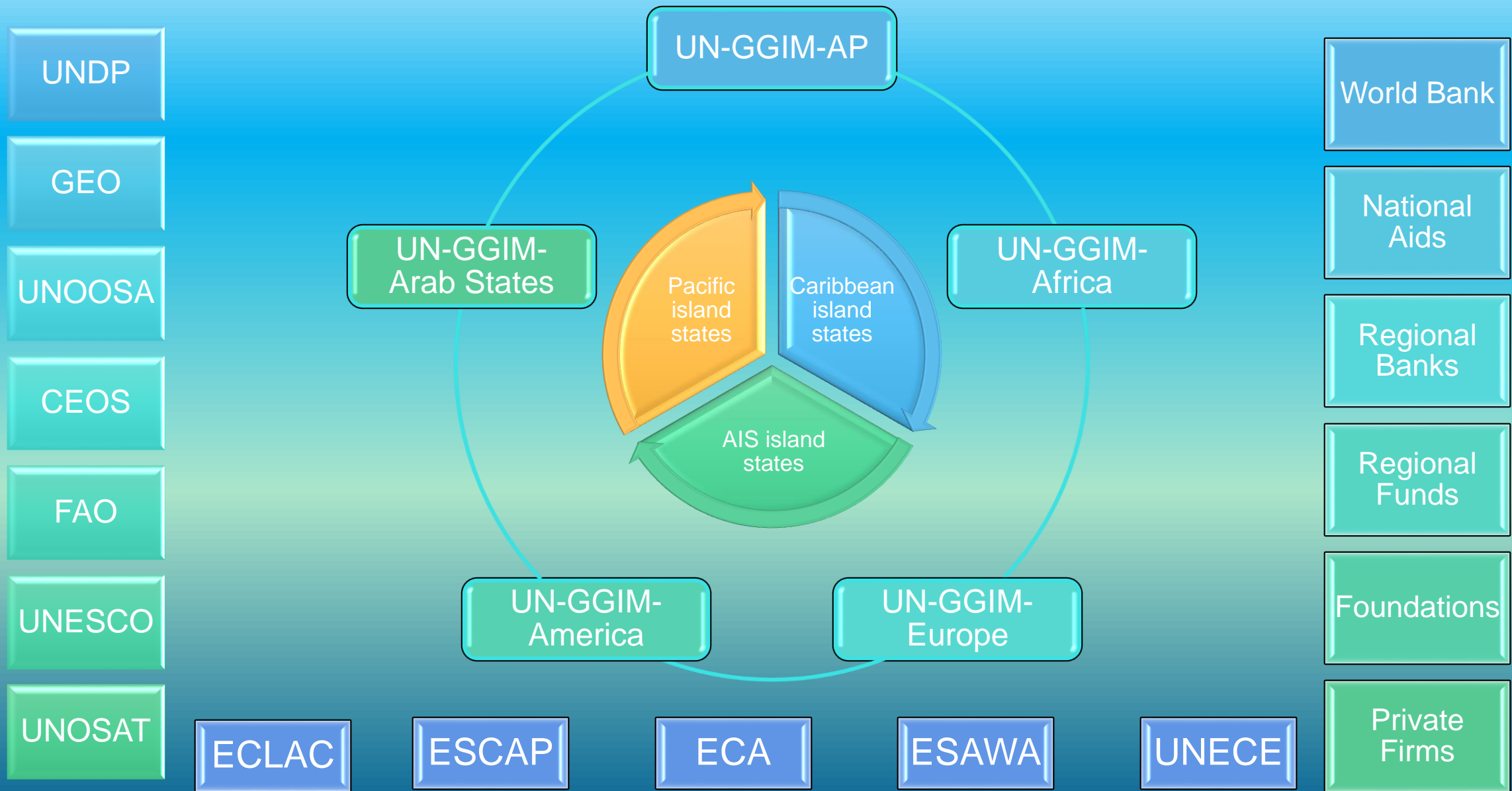
Hub + Dashboard + AI Modelling

# Geospatial Capacity Development

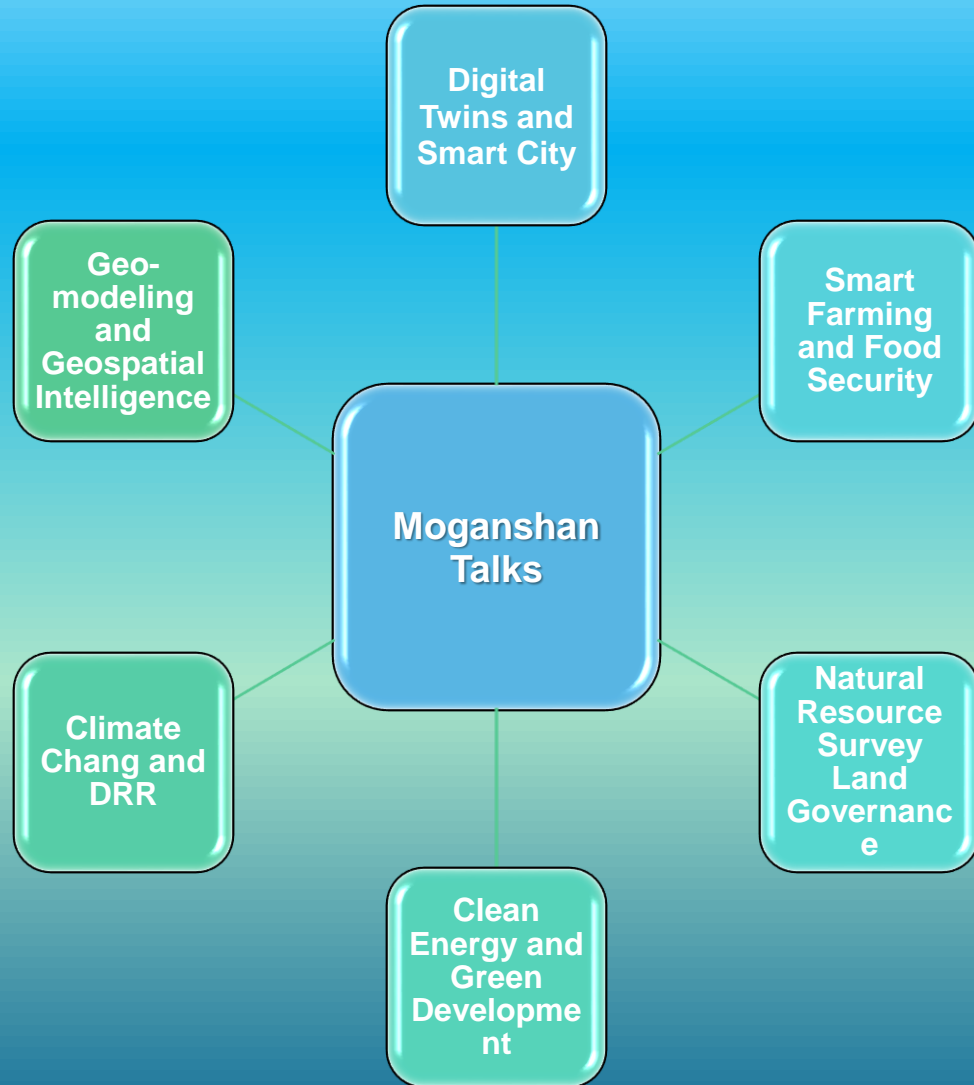




# How to Collaborate?



# Geospatial Knowledge Innovation and Moganshan Talks





# Some key issues for the future

1. Global Geospatial Infrastructure
2. Global Cooperation on Earth Observation
3. Global Super Geospatial Data Hub
4. Global Standards and Guidance
5. Global cooperation on Geo-AI
6. Pilots Projects and Capacity Development
7. World Geospatial Data Trading and Sharing

Let's work together to Increase geospatial capabilities!