



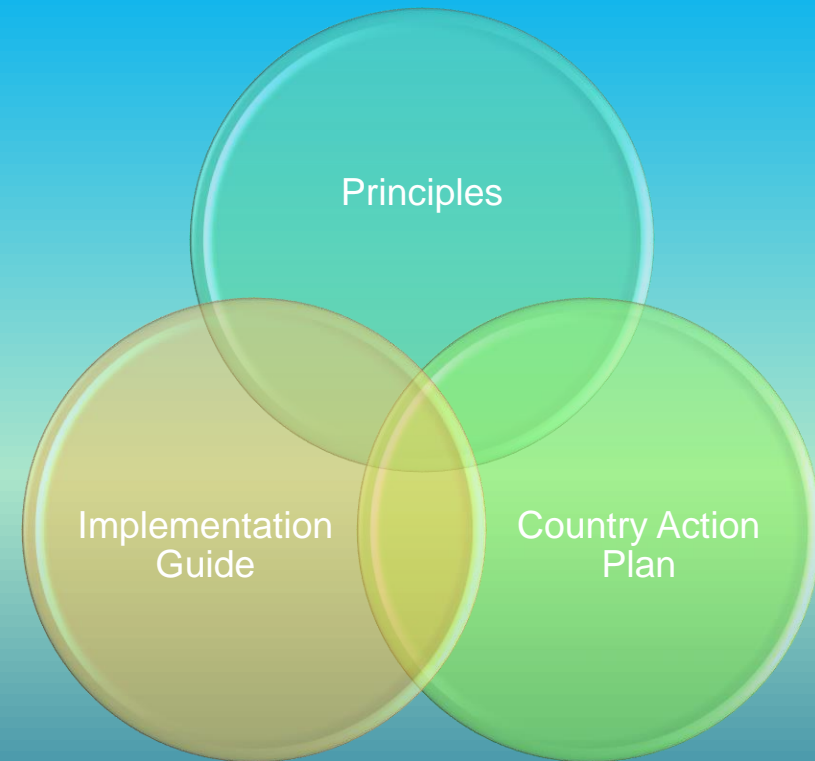
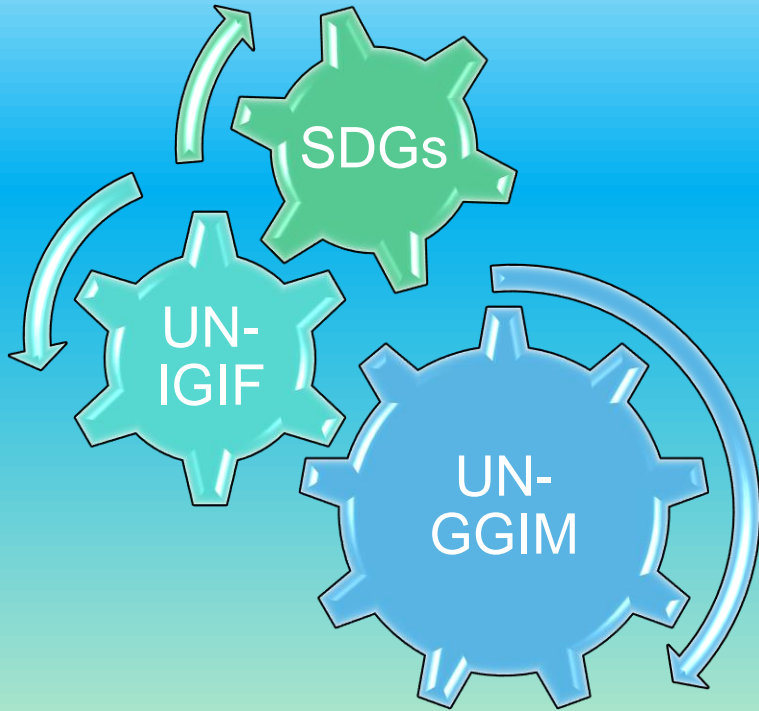
# Partnership and Engagement For Global Geospatial Capability Development

Dr. Pengde Li

United Nations Global Geospatial Knowledge and Innovation Centre

# UN Integrated Geospatial Information Framework

## High Level Group on UN-IGIF

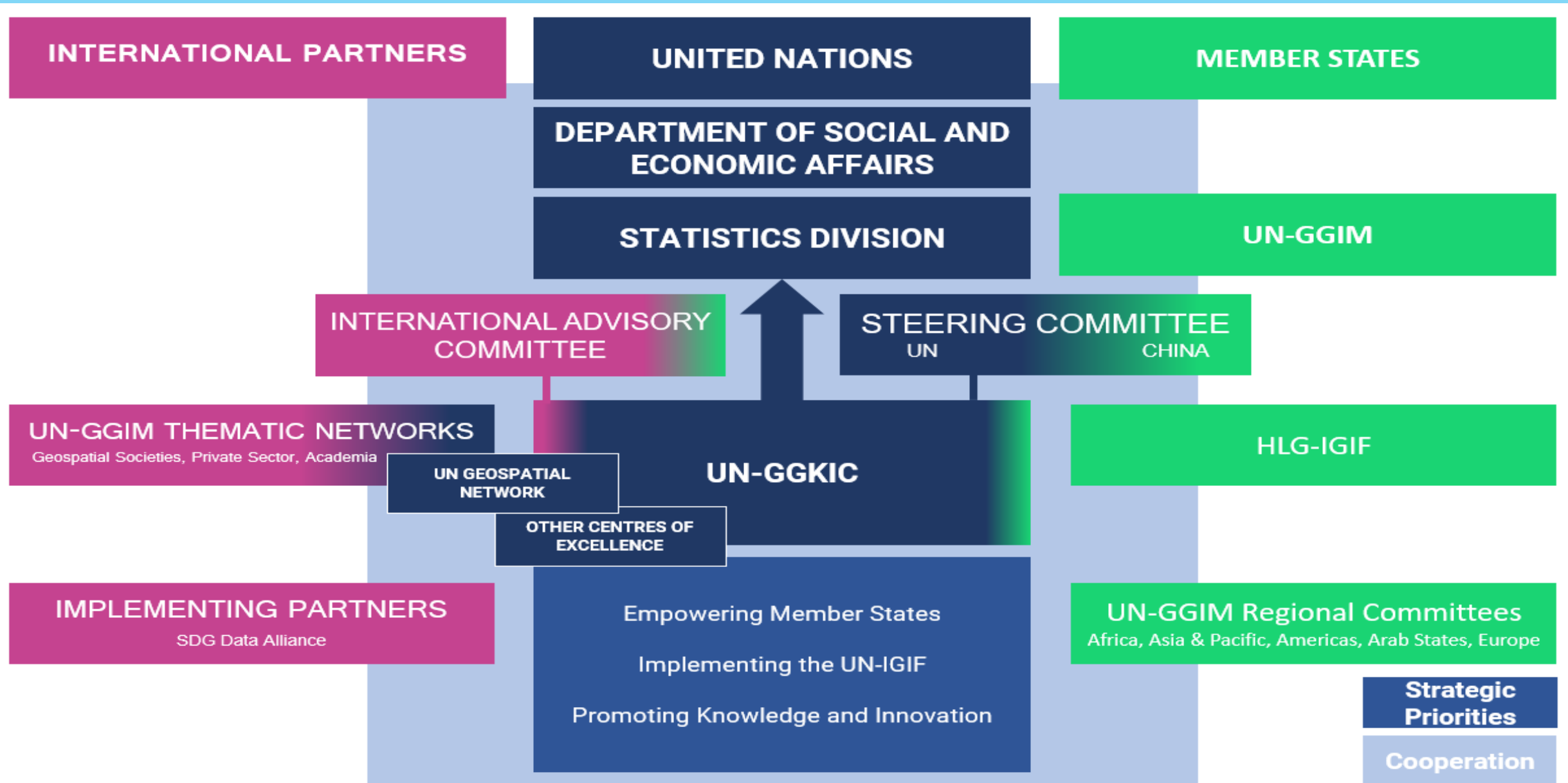


Talents

Data  
Platform

Technology

# Institutional Arrangements of UN-GGKIC



# Participating in UN-GGIM Activities

GGIM-Africa and African Regional Workshop in Addis Ababa, Oct. 2023



GGIM Expert Consultation and Meetings held in Mexico, Jan. 2024



Participating in Latin American Regional Symposium on Data Hub, Jan. 2024



Fourth International Conference on Small Island Developing States, May 2024





# Participating in UN-GGIM Activities





# UN GeoNow 2024 Overview

UN GeoNow  
Open Week

Geospatial Application Conference

ESCAP Expert Meeting on Regional Data Hub for  
DRR and SDGs

DPIDG Global Data Forum

Moganshan Talks

UN Symposium on Geospatial Leadership  
Development

Geo Expo





## UN GGCIC Newsletter

UN GeoNow 2024 Edition

### United Nations Global Geospatial Knowledge and Innovation Centre (UN GGCIC) *Geospatial Ideas, Benefiting Our World*

UN GGCIC's overarching goal is to work towards the ambitions of implementation of the United Nations Integrated Geospatial Information Framework (UN-IGIF) set by Member States to develop capacity, promote and support the required innovation, leadership, coordination, and standards to develop, strengthen, integrate and deliver national geospatial information policy, data, systems, tools, services and capabilities into their national government development policies, strategies and arrangements.

4

Source: view of Deqing International Conference Center, the main venue of UN GeoNow 2024. Credit: UN GGCIC

## UN GGCIC Newsletter

UN GeoNow 2024 Edition

### United Nations Global Geospatial Knowledge and Innovation Centre (UN GGCIC) *Geospatial Ideas, Benefiting Our World*

<https://ggim.un.org/UN-GGCIC>

Source: view of Deqing International Conference Center, the main venue of UN GeoNow 2024. Credit: UN GGCIC

## UN GGCIC Newsletter

UN GeoNow 2024 Edition

### United Nations Global Geospatial Knowledge and Innovation Centre (UN GGCIC) *Geospatial Ideas, Benefiting Our World*

<https://ggim.un.org/UN-GGCIC>

Source: view of Deqing International Conference Center, the main venue of UN GeoNow 2024. Credit: UN GGCIC



The first United Nations Geospatial Knowledge and Innovation Week (UN GeoNow) was successfully held in Deqing, China. The event provided a new significant platform for international geospatial information cooperation.

### United Nations Geospatial Knowledge and Innovation Week 2024

## Let's do "Geo" now at GeoNow!

The first United Nations Geospatial Knowledge and Innovation Week (UN GeoNow) was successfully held in Deqing County, Huzhou City, Zhejiang Province, China from October 21 to 24 2024 under the theme "Geospatial IDEAS Benefiting Our World", organized by the United Nations Global Geospatial Knowledge and Innovation Centre (UN-GGCIC) with the Government of Deqing County and Moganshan Geospatial Information Laboratory as co-organizers. The event was co-located with ESCAP's event: the Workshop on Enhancing the Management of Geospatial Data Sharing for Disaster Risk Reduction and Sustainable Development and UN DESA's event: the Global Symposium on Data and Digital Governance.

The first United Nations Geospatial Knowledge and Innovation Week (UN GeoNow) was successfully held in Deqing County, Huzhou City, Zhejiang Province, China from October 21 to 24 2024 under the theme "Geospatial IDEAS Benefiting Our World", organized by the United Nations Global Geospatial Knowledge and Innovation Centre (UN-GGCIC) with the Government of Deqing County and Moganshan Geospatial Information Laboratory as co-organizers. The event was co-located with ESCAP's event: the Workshop on Enhancing the Management of Geospatial Data Sharing for Disaster Risk Reduction and Sustainable Development and UN DESA's event: the Global Symposium on Data and Digital Governance.

From the first day to the last, it finally had over 1000 participants from more than 40 countries, including the United States, Canada, Australia, Brazil, the United Kingdom, Finland, Austria, India, Saudi Arabia, South Africa, Tonga, Tanzania and etc. The participants included governors, UN Officers, experts & researchers, and entrepreneurs, etc.

The highlight activities of the event included the UN Geospatial Information Application Conference, the "Moganshan Talks" discussion panel, and the International Symposium on Leadership Development of Global Geospatial Knowledge. Participants checked on the latest geospatial information applications such as drones and leaders at the application conference, listened to and exchanged each other's experiences with geospatial information at the discussion panel, and gave advice & visions on building the UN Think Tank and leadership development for global geospatial knowledge at the symposium.

### UN GeoNow 2024 Agenda Map

Oct.21  
Opening Ceremony  
Application Conference  
First Moganshan Talks  
Panel

Oct.22  
Second and third  
Moganshan Talks Panel

Oct.23  
Fourth and fifth  
Moganshan Talks Panel

Oct.24  
Last Moganshan Talks  
Panel  
Symposium on  
Leadership Development  
Closing Ceremony



### UN GEONOW 2024

For presentation slides from "Moganshan Talks" Panel, concept notes, detailed event agenda, event pictures, and more information please go check with the event website (update in gradual process)

[https://ggim.un.org/meetings/2024/Deqing\\_China/](https://ggim.un.org/meetings/2024/Deqing_China/)

UN GGCIC thank you for your attention!

<https://ggim.un.org/UN-GGCIC>



### Share for Research : Moganshan Talks, the Panels on the Key Geospatial Scenarios

The "Moganshan Talks" is a series of panels focused on exchanging and sharing experiences about topics under six specific: geospatial scenarios: Digital Twins and Smart Cities, Smart Agriculture and Food Security, Natural Resources Investigation and Territorial Spatial Governance, Clean Energy and Green Mining, Climate Change and Disaster Risk Reduction, and Geo-modelling and Geospatial Intelligence. From the first day to the last (21 Oct to 24 Oct), there were more than 70 presenters and panelists who gave the presentation and shared their experiences with geospatial information under assigned topics. The achievements of each panel provided valuable insights for the audience.



### Building the Leadership for the Future: Symposium on Leadership Development of Geospatial Knowledge.

The symposium was held on the last day of UN GeoNow 2024 (24 Oct). It is dedicated to promoting global geospatial knowledge and strengthening leadership within the geospatial sector. During the symposium, the experts from each "Moganshan Talks" panel gave insights and advices not only about leadership development, but also on building the UN Geospatial Information Think Tank, which is an important future initiative by UN-GGCIC. It concluded with a focus on capacity-building in geospatial leadership, strengthening international partnerships and developing innovative tools to enhance governance.



UN GGCIC

United Nations Global Geospatial Knowledge  
and Innovation Centre

<https://ggim.un.org/UN-GGCIC>



### ASG and Local Governors at Opening Ceremony: Geospatial Information for the SDGs, for the Future

UN DESA's ASG, Mr. Naidi Hanif gave the opening remarks at the opening ceremony chaired by the Director of UN-GGCIC, Dr. Pengde LI. In his remarks, he pointed out that The Global Digital Compact adopted at the recently concluded Summit of Future affirmed the importance of digital knowledge and technology, and that geospatial management is an indispensable part of the digital world. The UN GeoNow 2024 recognized the importance of geospatial information and took rapid action through "Geo" which not only meets current needs but is also essential for the future sustainable development.

The Vice Minister of the Ministry of Natural Resources of China, Guosheng Liu, the Executive Vice Governor of the Government of Zhejiang Province, Wenqun Xu, and the Secretary of the Huzhou Municipal Party Committee, Hao Chang, also attended and gave the remarks at the opening ceremony.



### Application Conference & Exhibition : Inspired by Geo, Make It for Geo

Geospatial information has been deeply integrated with new technologies such as artificial intelligence and metaverse. There were over 41 enterprises from more than ten countries worldwide have released their new technologies, products and applications about geospatial information at the conference and exhibition. All these advanced applications & products provided new inspirations and insights on Geo-related technologies for the participants & visitors.



### Conclusion on the UN GeoNow 2024: A New Beginning

Director of UN-GGCIC, Dr. Pengde LI, invited participants to join the UN Think Tank initiative, aimed at mobilizing expertise from UN agencies, international academic institutions, private sector entities and government bodies. This initiative seeks to advance the UN-IGIF's strategic pathways and will produce guidelines on critical sectors such as agriculture, water resources and biodiversity, promoting the deployment of geospatial solutions across diverse fields. At the closing ceremony, he celebrated the accomplishments of the week and called on participants to transform these priorities into practical actions, underscoring the importance of ongoing collaboration and innovation to leverage geospatial technologies for sustainable global development.

UN GeoNow 2024 is the first ever UN Geospatial Knowledge and Innovation Week, and it became a new beginning of an international-level cooperation forum and a series of future initiatives focused on geospatial information. The UN-GGCIC and supporting partners will make continued efforts to build the future UN GeoNow and its related activities to help the geospatial information contribute more to the 2030 Sustainable Development Agenda and form a better world.

See you next time, world.



UN GGCIC

United Nations Global Geospatial Knowledge  
and Innovation Centre

<https://ggim.un.org/UN-GGCIC>

### Co-located Together, Benefit Each Other



The ESCAP secretariat held an expert group meeting for constructive discussion sessions to set up a regional geospatial data hub and platform in Asia and the Pacific region for UN-IGIF-AP. The meeting guided the development, integration, strengthening and maintaining geospatial information management and related resources in all countries of UN-IGIF-AP.

This Global Forum addressed the existing challenges and gaps in implementing national digital data governance frameworks among countries. The aim is to build awareness and develop institutional capacities in building national data governance frameworks in developing countries, especially those in Africa and the Asia-Pacific region.

UN GeoNow 2024 was co-located with ESCAP's event: the Workshop on Enhancing the Management of Geospatial Data Sharing for Disaster Risk Reduction and Sustainable Development (21 to 23 Oct) and UN DESA's event: the Global Symposium on Data and Digital Governance (19 to 22 Oct). The participants such as UN Officers and experts of the other two events attended the UN GeoNow 2024 and shared the achievements from their agendas to see if the results of those three events can benefit each other. This excellent organizational form is relatively rare in various UN activities, and it has provided advanced experience for future event organizations.

For detailed information of each event, please go check with the event website:

[UN DESA](https://un.org/unesco)

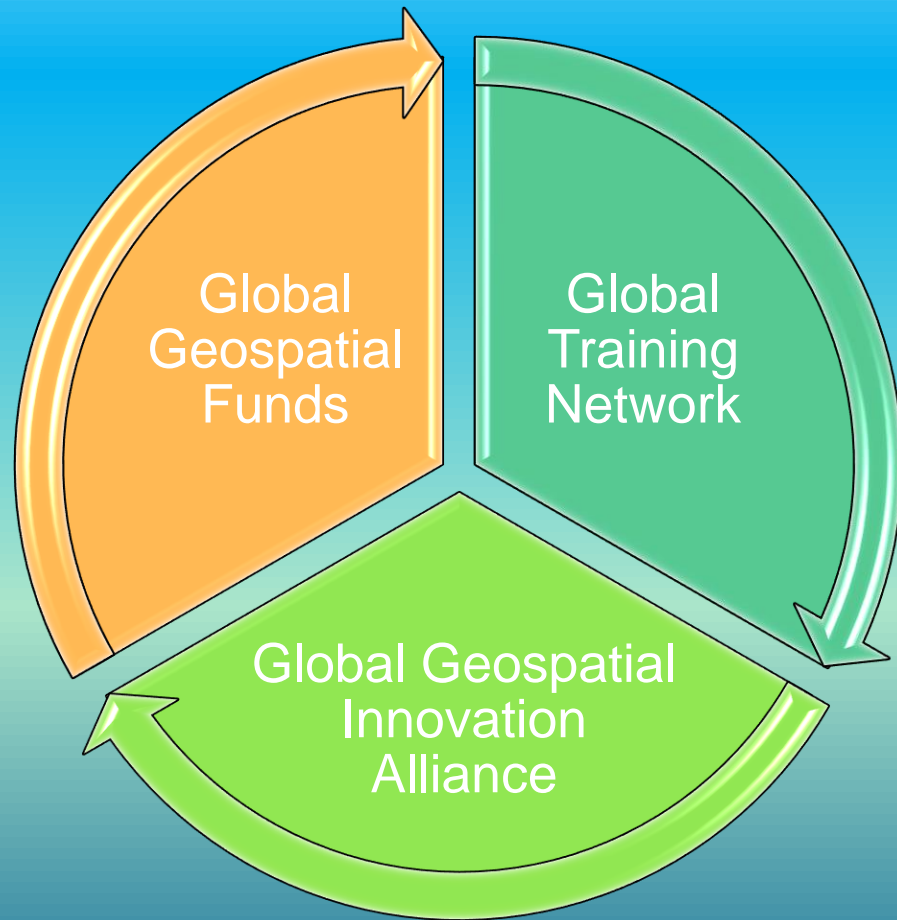
[ESCAP](https://un.org/unesco)



# UN GeoNow 2024 Conclusion Remarks

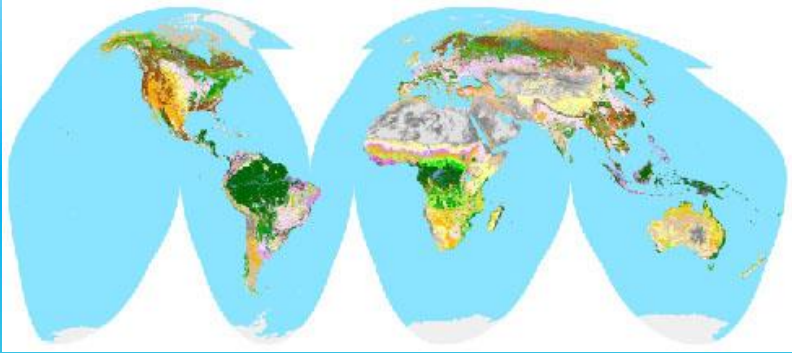
## Future Geospatial Development

- *Advancement of Geospatial Knowledge*
- *Promotion of Cross-Border Integration*
- *Enhancement of Digital Geospatial Infrastructure*
- *Capacity-Building for Youth Leadership*

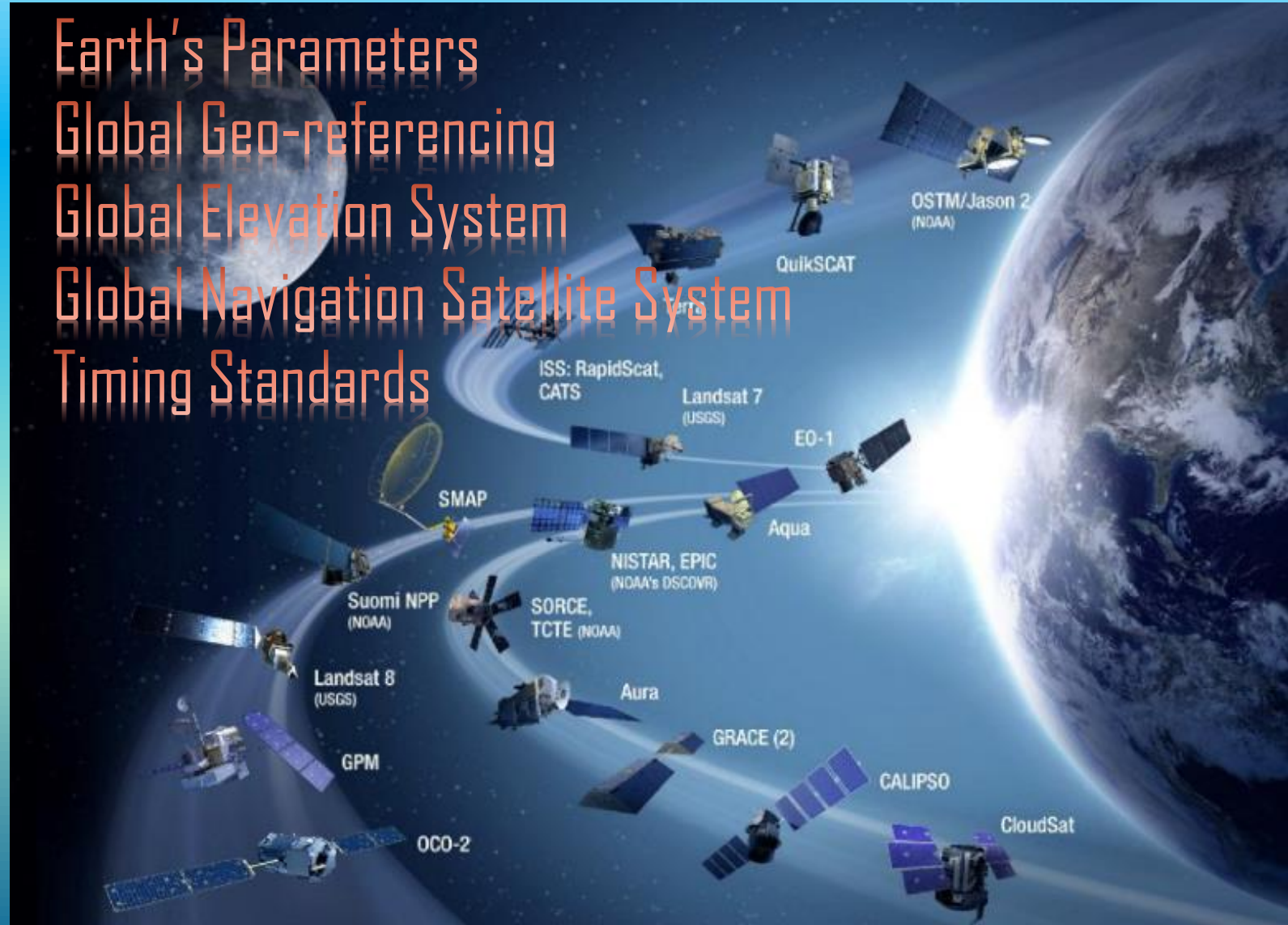




# Global Geodetic Framework for Time-Space Link

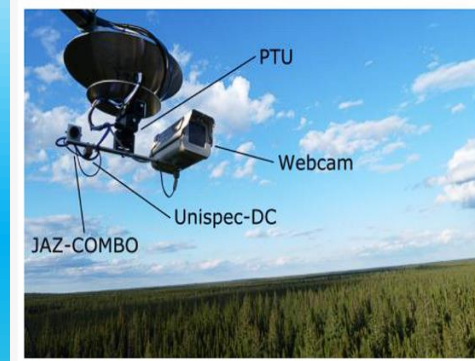
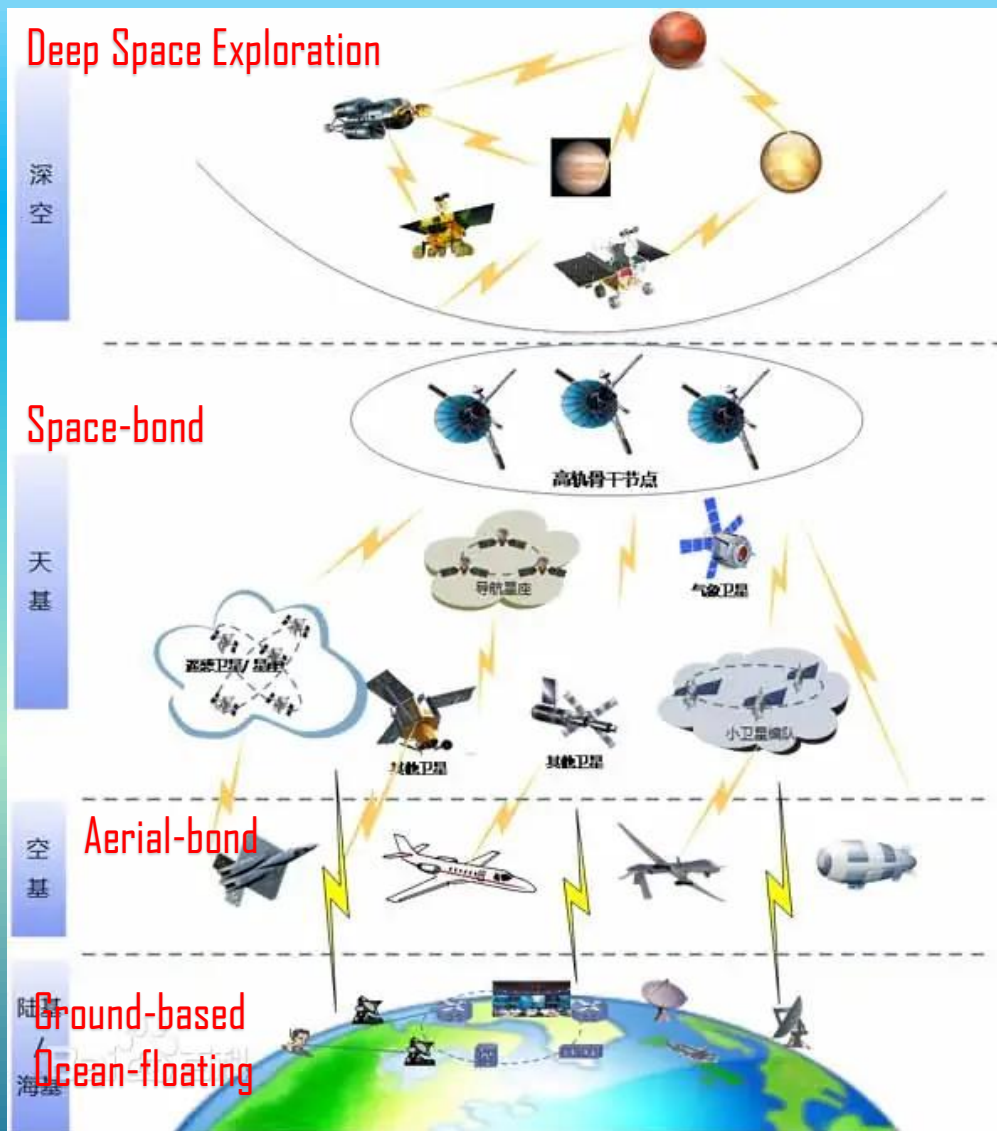


- Earth's Parameters
- Global Geo-referencing
- Global Elevation System
- Global Navigation Satellite System
- Timing Standards



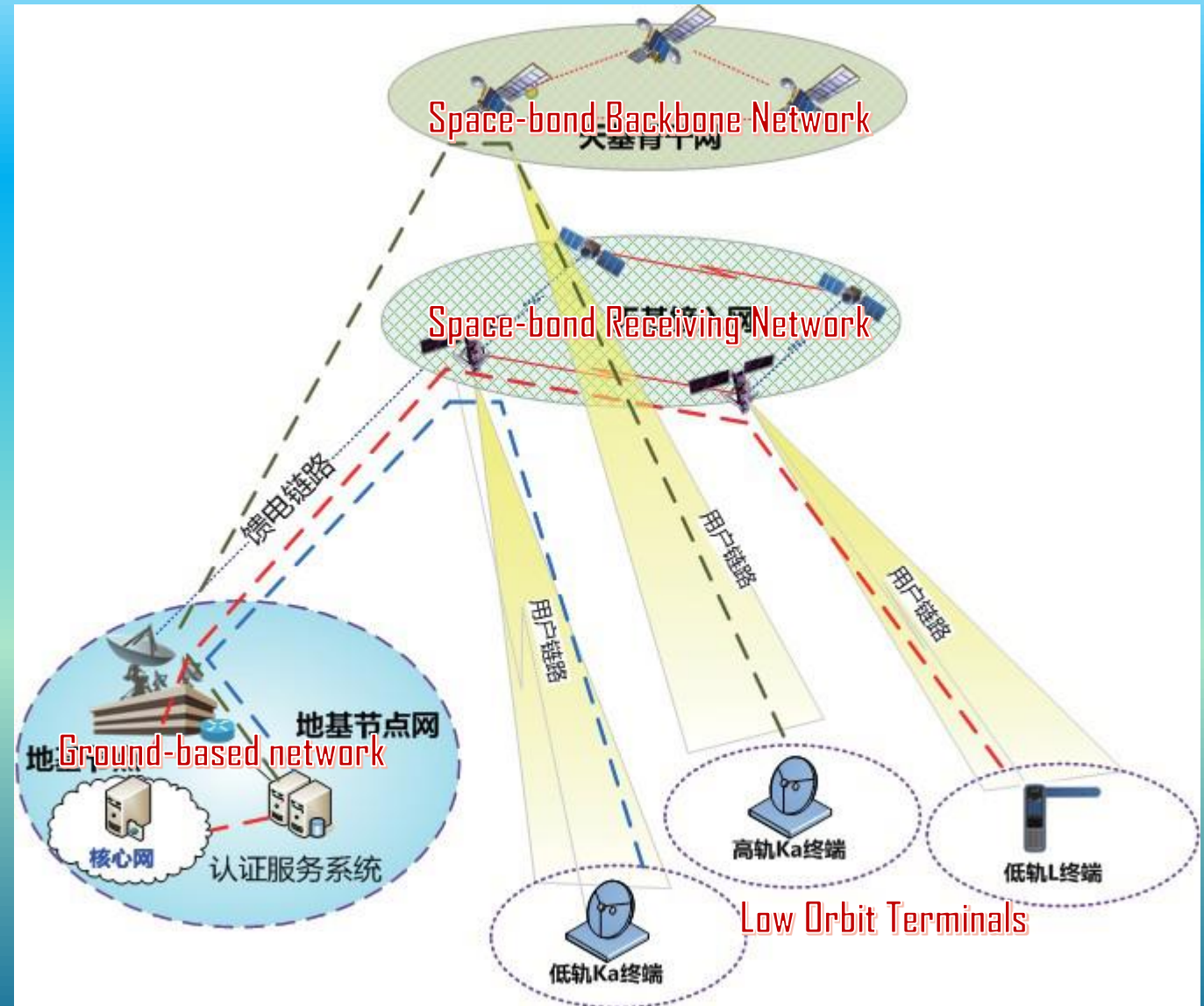


# Global System of EOSs for Changes

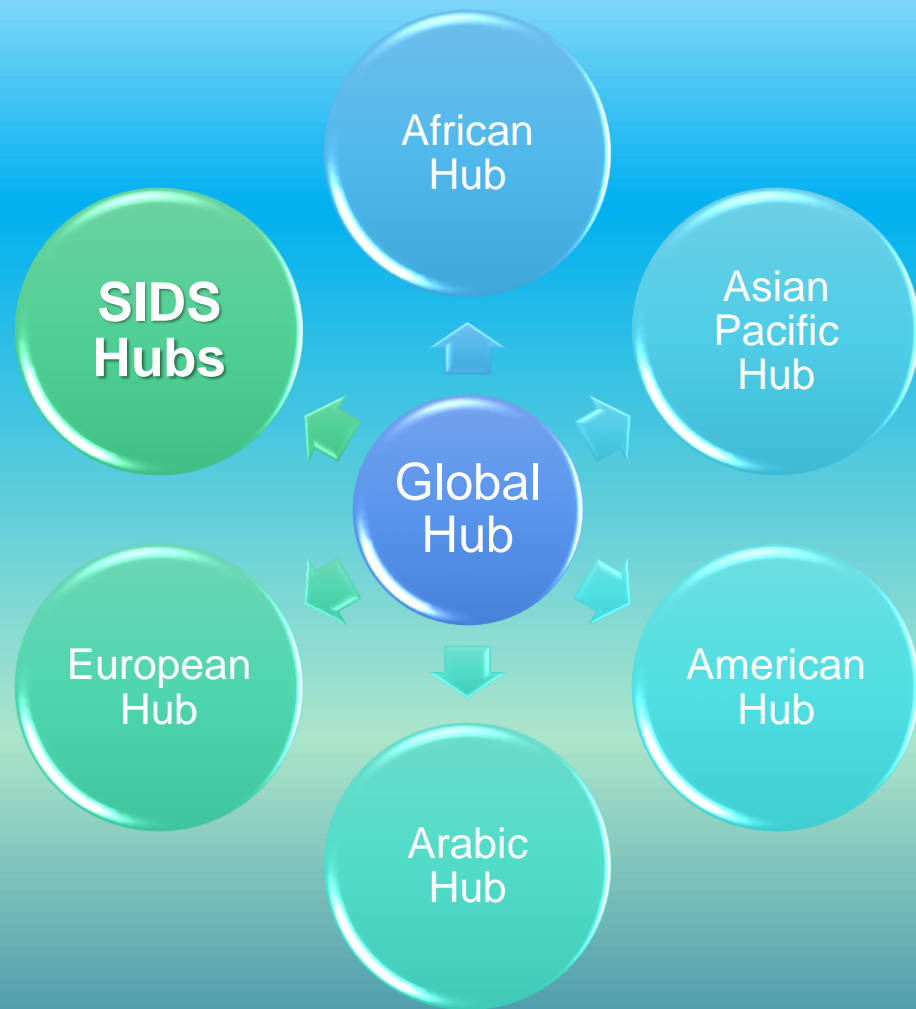














# Global Communication Network for Uniting All



# Global Geospatial Data Hub for SDGs Acceleration



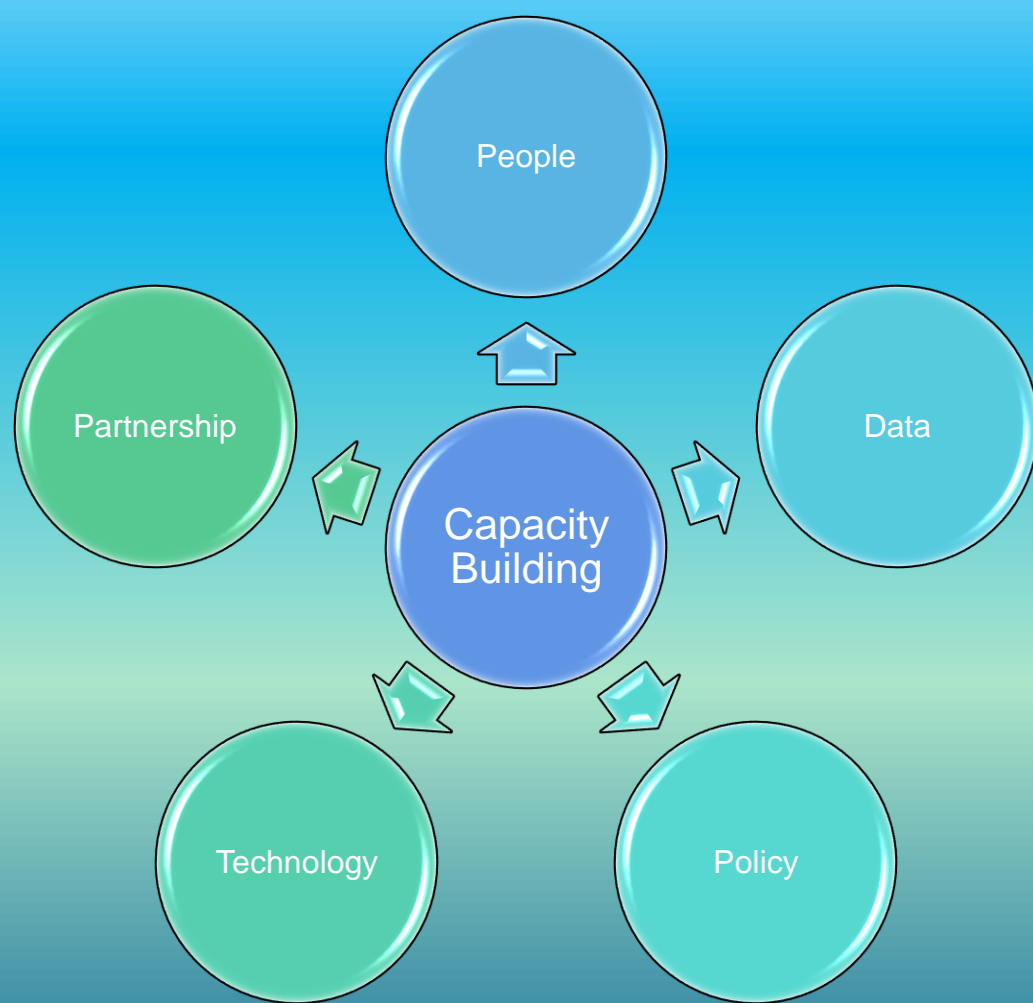
## Global Geospatial Knowledge Hub?

 <u>Kingdom of Saudi Arabia</u> Capital: Riyadh Population: 35.9M	 <u>Burkina Faso</u> Capital: Ouagadougou Population: 22.5M	 <u>Haiti</u> Capital: Port-au-Prince Population: 11.6M	 <u>Ireland</u> Capital: Dublin Population: 5.2M
 <u>Philippines</u> Capital: Manila Population: 116.4M	 <u>Mexico</u> Capital: Mexico City Population: 129.9M	 <u>State of Palestine</u> Proclaimed Capital: Jerusalem, Ramallah Population: 5.2M	 <u>United Arab Emirates</u> Capital: Abu Dhabi Population: 10.0M
 <u>Guam</u> Capital: Hagåtña Population: 169.3K	 <u>Hawaii</u> Capital: Honolulu Population: 1.4M		

## A Global SDG Data Hub / Geo-dashboard



# Global Geospatial Intelligent Framework for AI

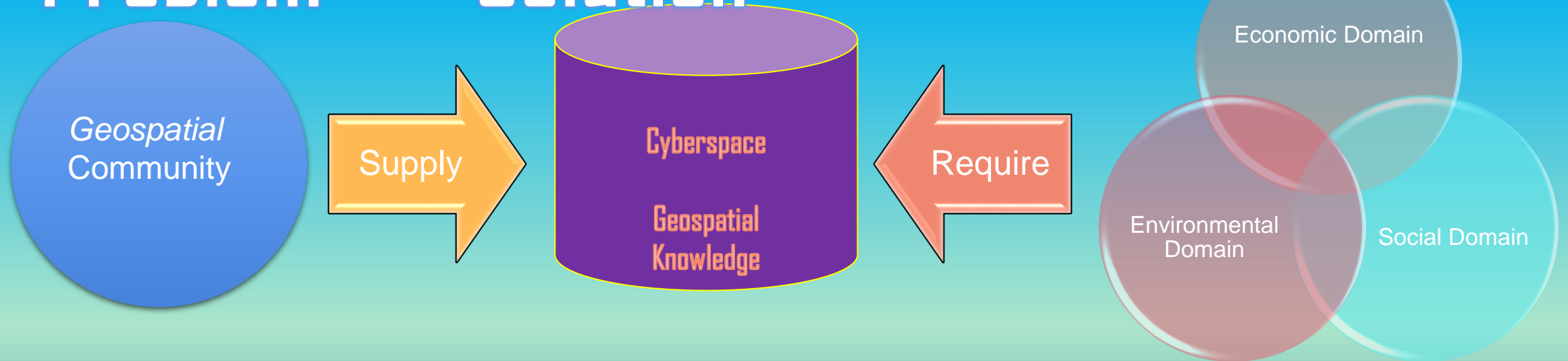


**UN Global Knowledge Infrastructure**

# Geospatial Knowledge Innovation and Engagement

## Partnership

Problem >>> Solution

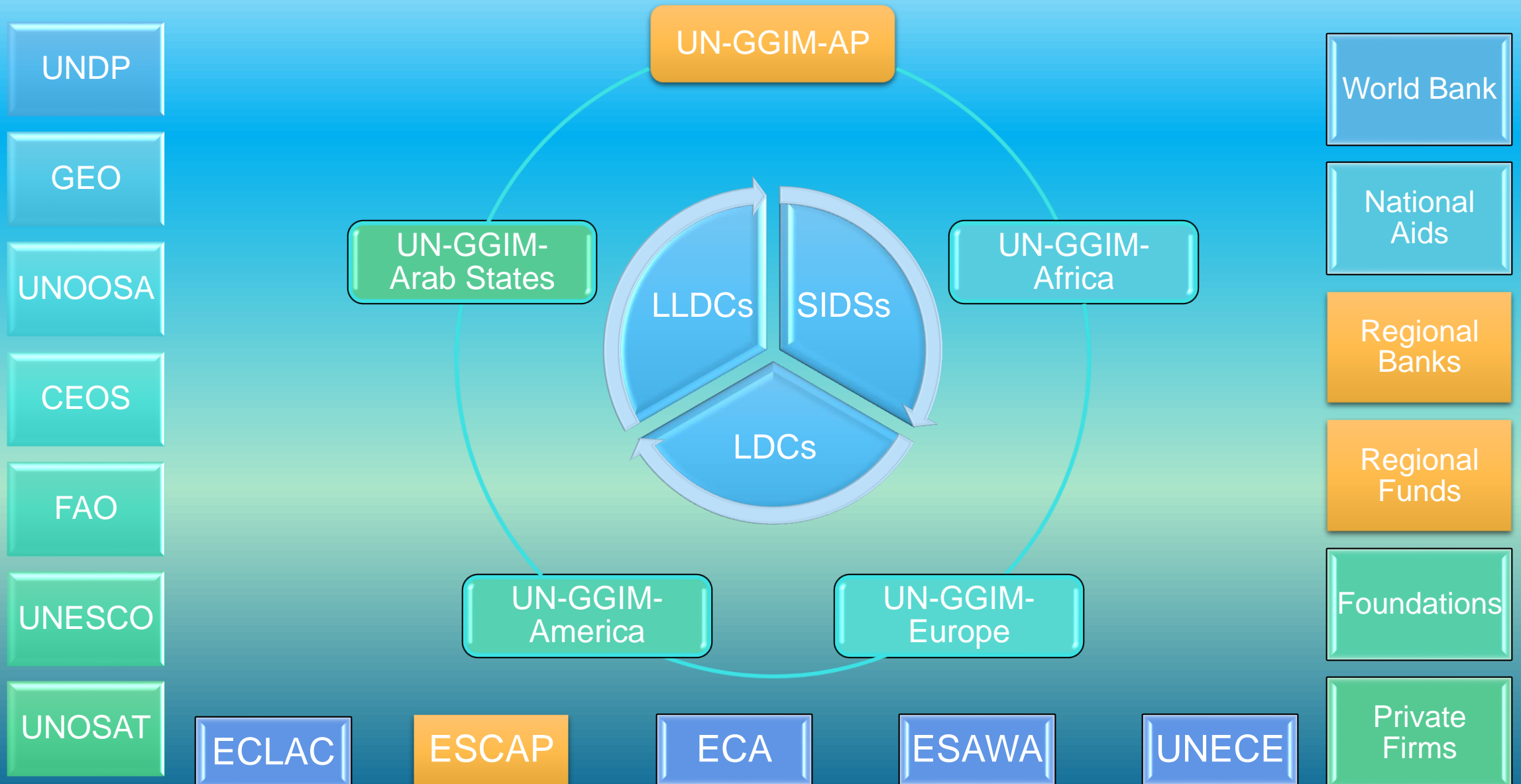


Requirement >>> Innovation

## Engagement



# How to Collaborate?



# Possible Cooperation between UN-GGKIC and Asia-Pacific

