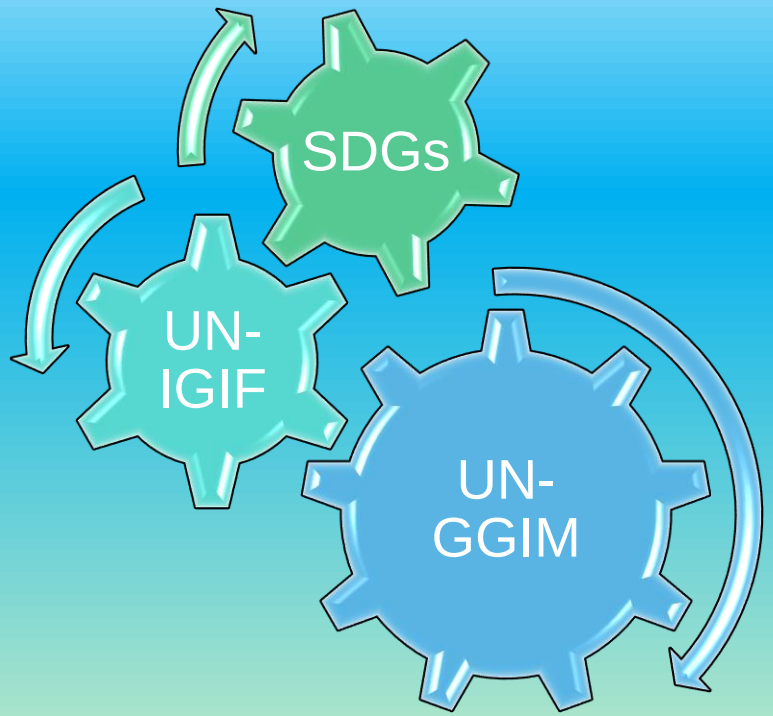
Partnership and Engagement For Global Geospatial Capability Development

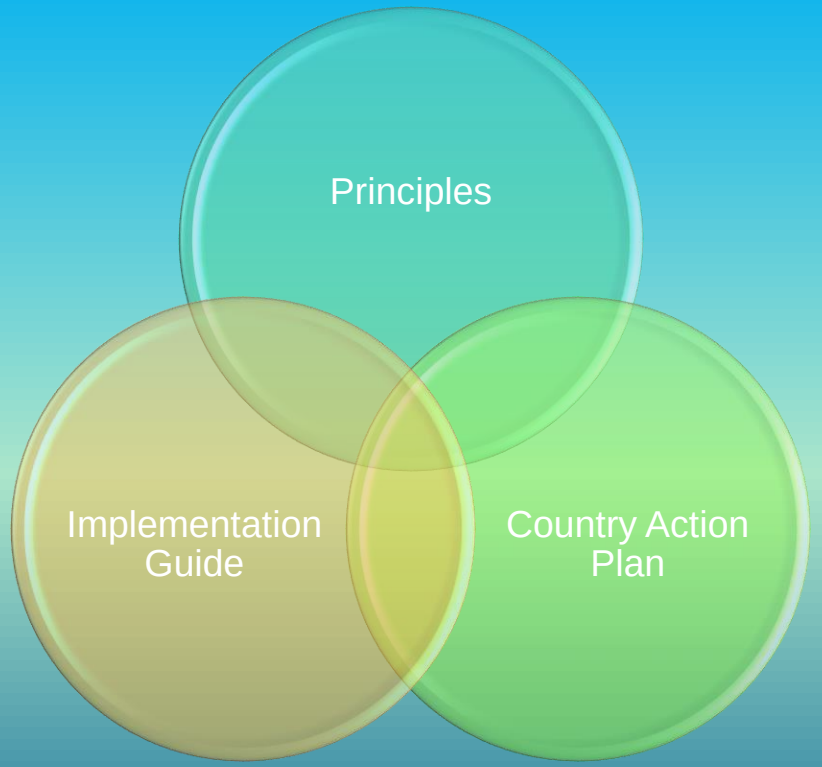
Dr. Pengde Li

United Nations Global Geospatial Knowledge and Innovation Centre

UN Integrated Geospatial Information Framework



High Level Group on UN-IGIF

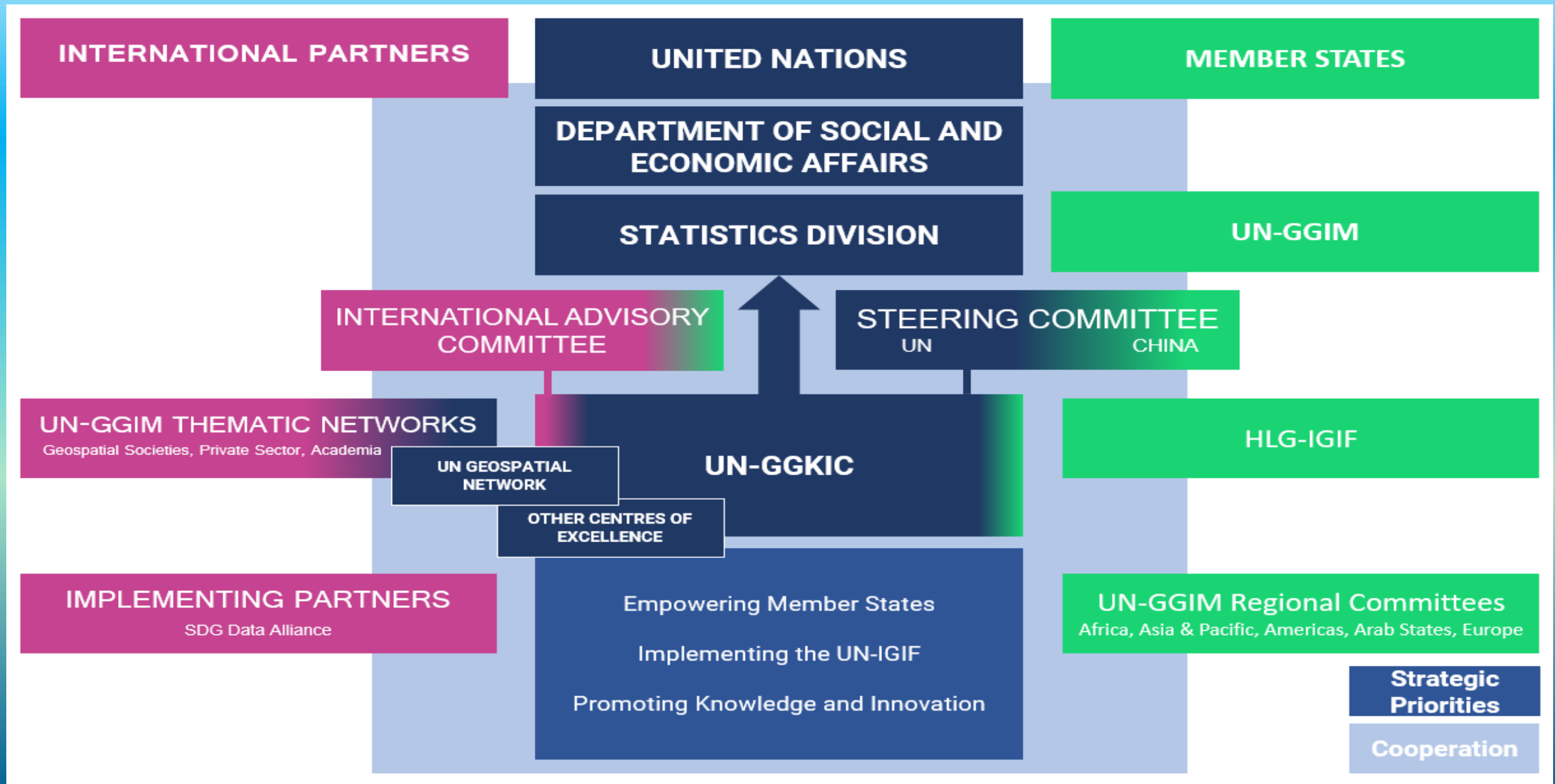


Talents

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

14 th Session of UN GGIM in UNHQ, New York Aug.2024

7th High Level Forum of UN GGIM in Mexico,Oct.2024

Participating in UN-GGIM American in Mexico,Oct.2024

Sub-regional Expert and Consultant Meeting on South Pacific, Oct 2024

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

https://ggim.un.org/meetings/2024/Deqing_China/

Participants sitting in the main venue of UN GeoNow 2024 and watching the conclusion video at closing ceremony on 24 Oct. 2024. Credit: UN - GGKIC

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, China. The event provided a new significant platform for international geospatial information cooperation.

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-GGKIC) 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 lidars 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/

UN GGKIC thank you for your attention!

Part of the governors, leaders, panelists, and members of the UN GeoNow 2024. Credit: UN - GGKIC

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.

Participants are discussing based on the topic of the symposium. Credit: UN - GGKIC

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-GGKIC. It concluded with a focus on capacity-building in geospatial leadership, strengthening international partnerships and developing innovative tools to enhance governance.

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

UN DESA's ASG, Mr. Navid Hanif gave the opening remarks at the opening ceremony chaired by the Director of UN - GGKIC, 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, Guohong Liu, the Executive Vice Governor of the Government of Zhejiang Province, Wenguang Xu, and the Secretary of the Huzhou Municipal Party Committee, Hao Cheng, 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 those advanced applications & products provided new inspirations and insights on Geo - related technologies for the participants & visitors.

Click to watch the conclusion video of UN GeoNow 2024. If the video does not play properly, please copy the link to and open it with Google Chrome or Microsoft Edge. Credit: UN - GGKIC

Conclusion on the UN GeoNow 2024: A New Beginning

Director of UN-GGKIC, 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-GGKIC 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.

Co-located Together, Benefit Each Other

DESA ESCAP

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

ESCAP

DESA

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.

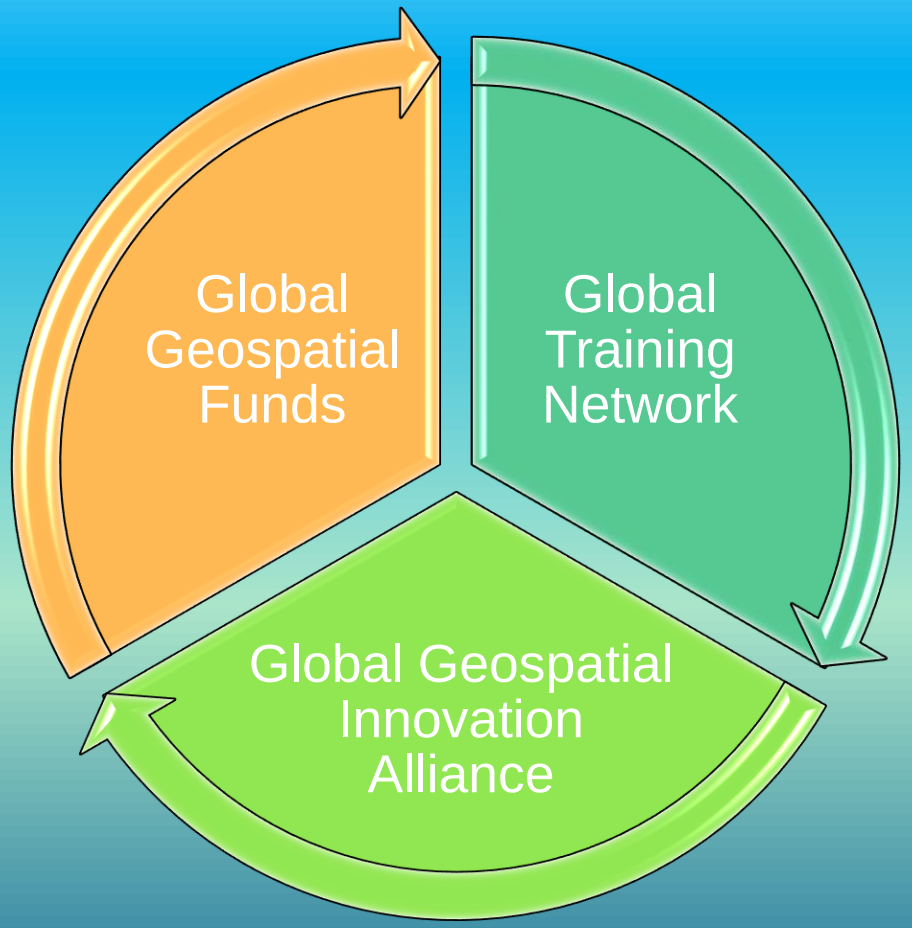
UN GeoNow 2024 was co-located with **ESCAP's event: the Workshop on Enhancing the Management of Geospatial Data Sharing for Disaster Risk Reduction and Sustainable Development** (21 to 23 Oct) and **UN DESA's event: the Global Symposium on Data and Digital Governance** (19 to 22 Oct). The participants 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

ESCAP

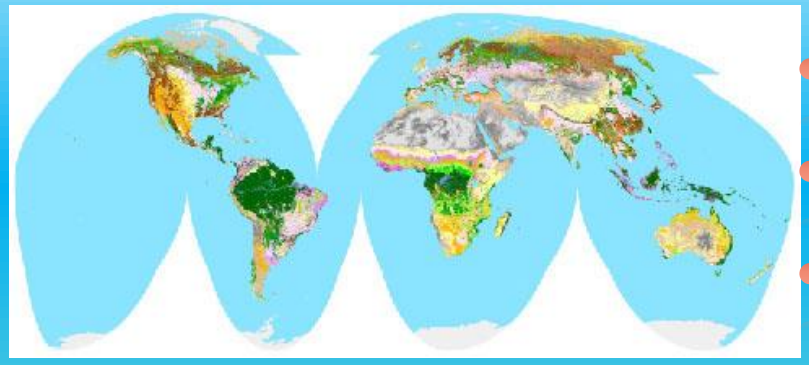
UN GeoNow 2024 Conclusion Remarks



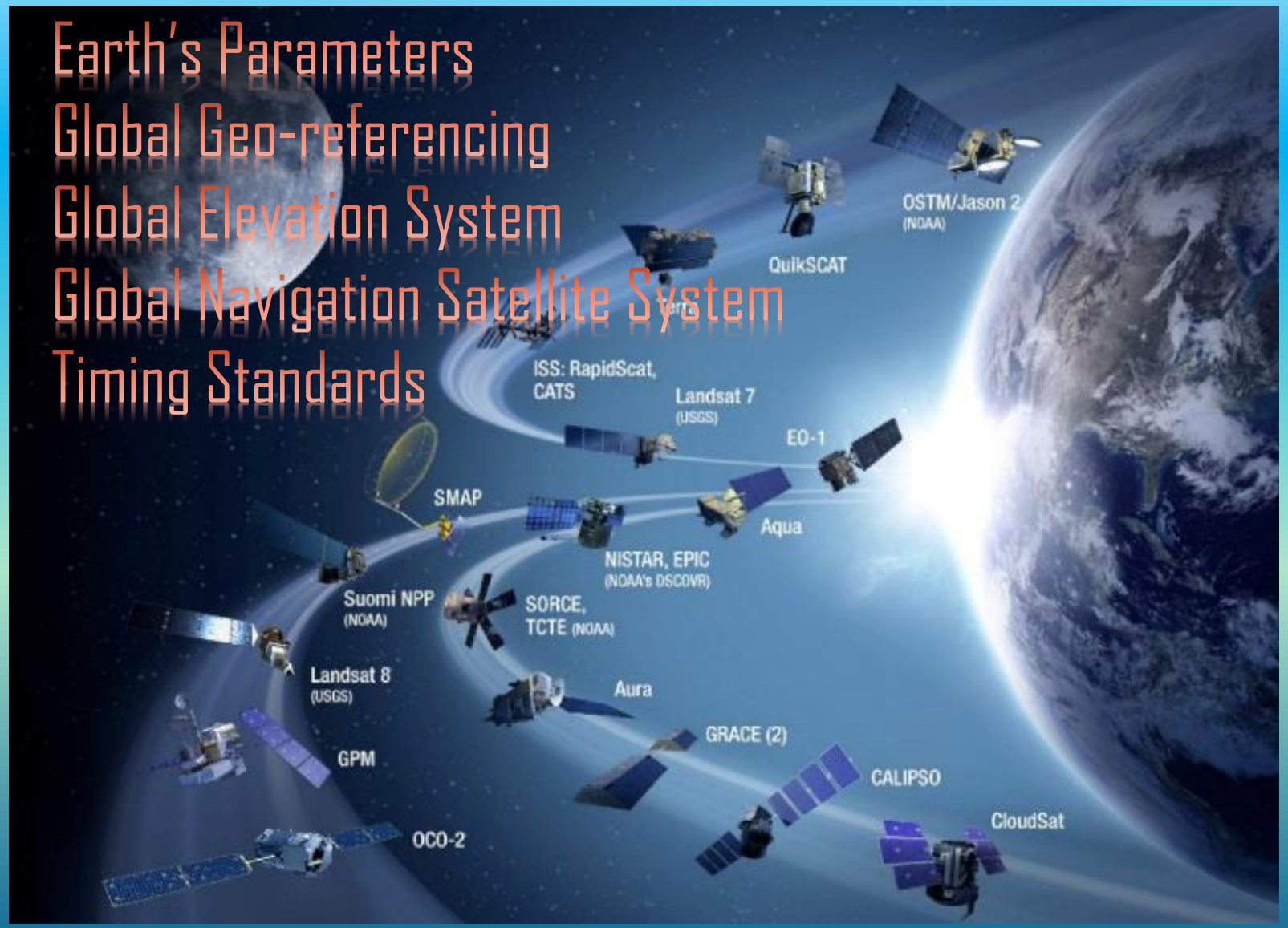
Future Geospatial Development

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

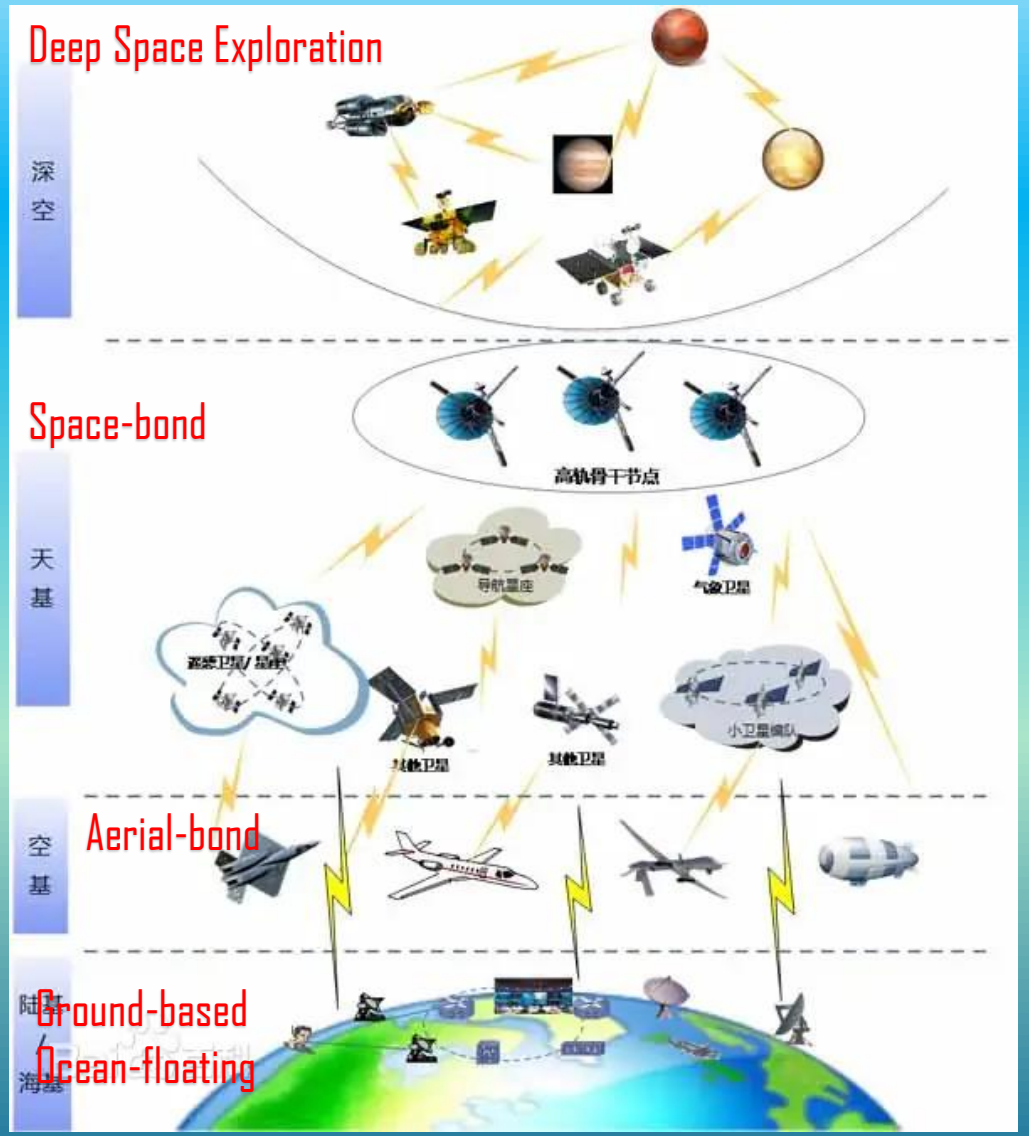
Global Geodetic Framework for Time-Space Link



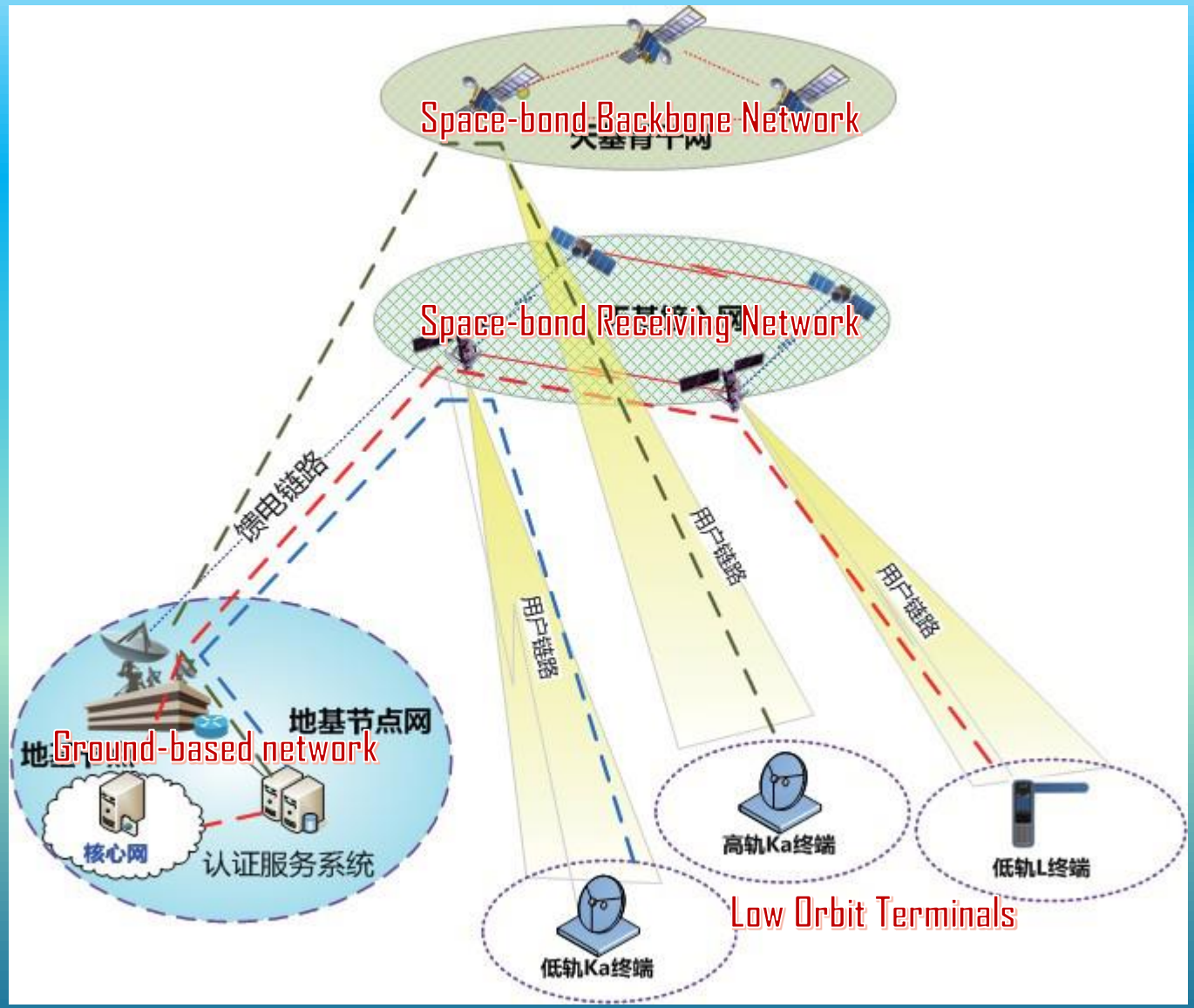
- Earth's Parameters
- Global Geo-referencing
- Global Elevation System
- Global Navigation Satellite System
- Timing Standards



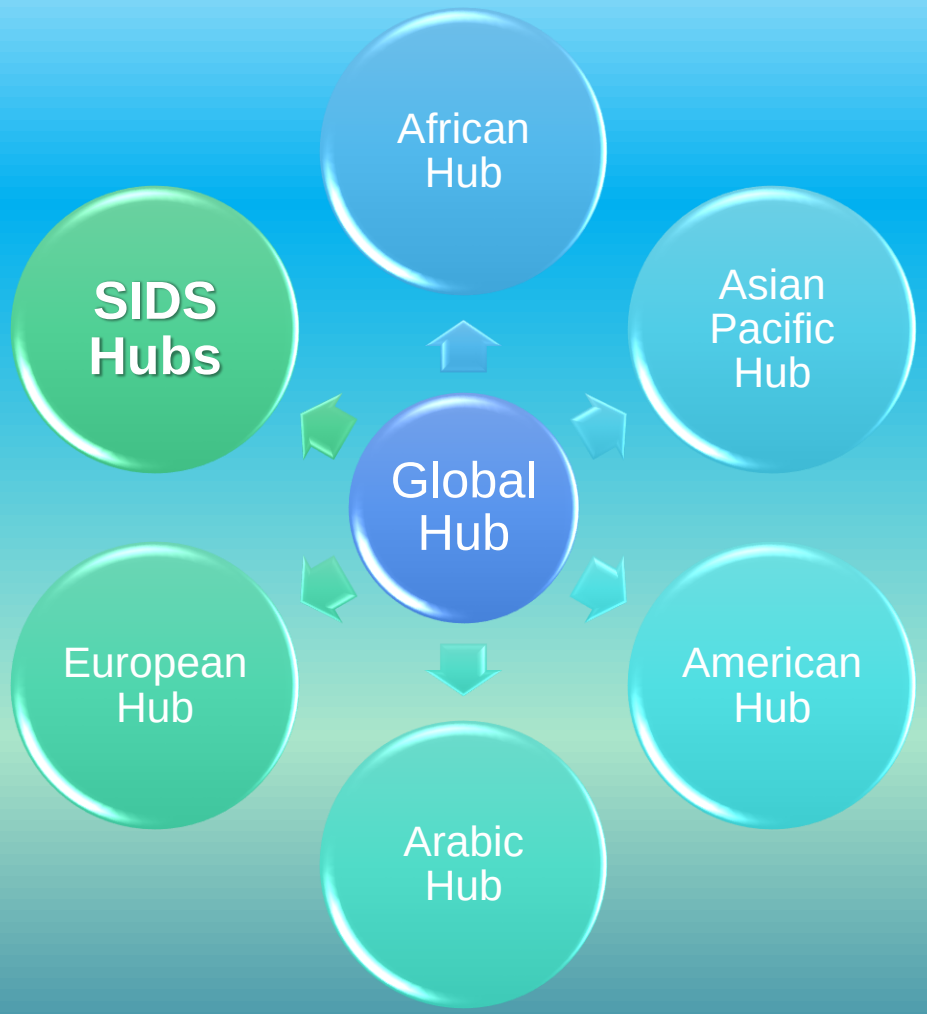
Global System of EOSs for Changes



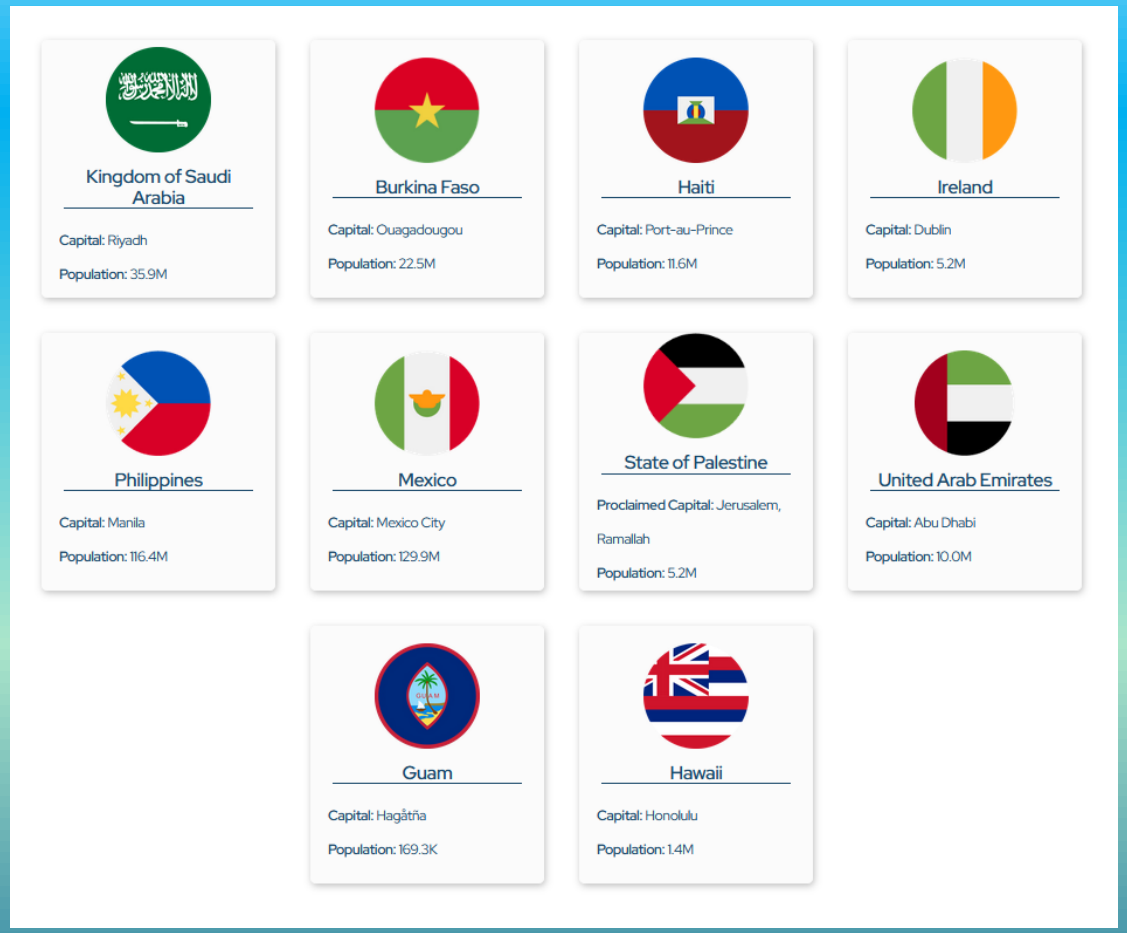
Global Communication Network for Uniting All



Global Geospatial Data Hub for SDGs Acceleration

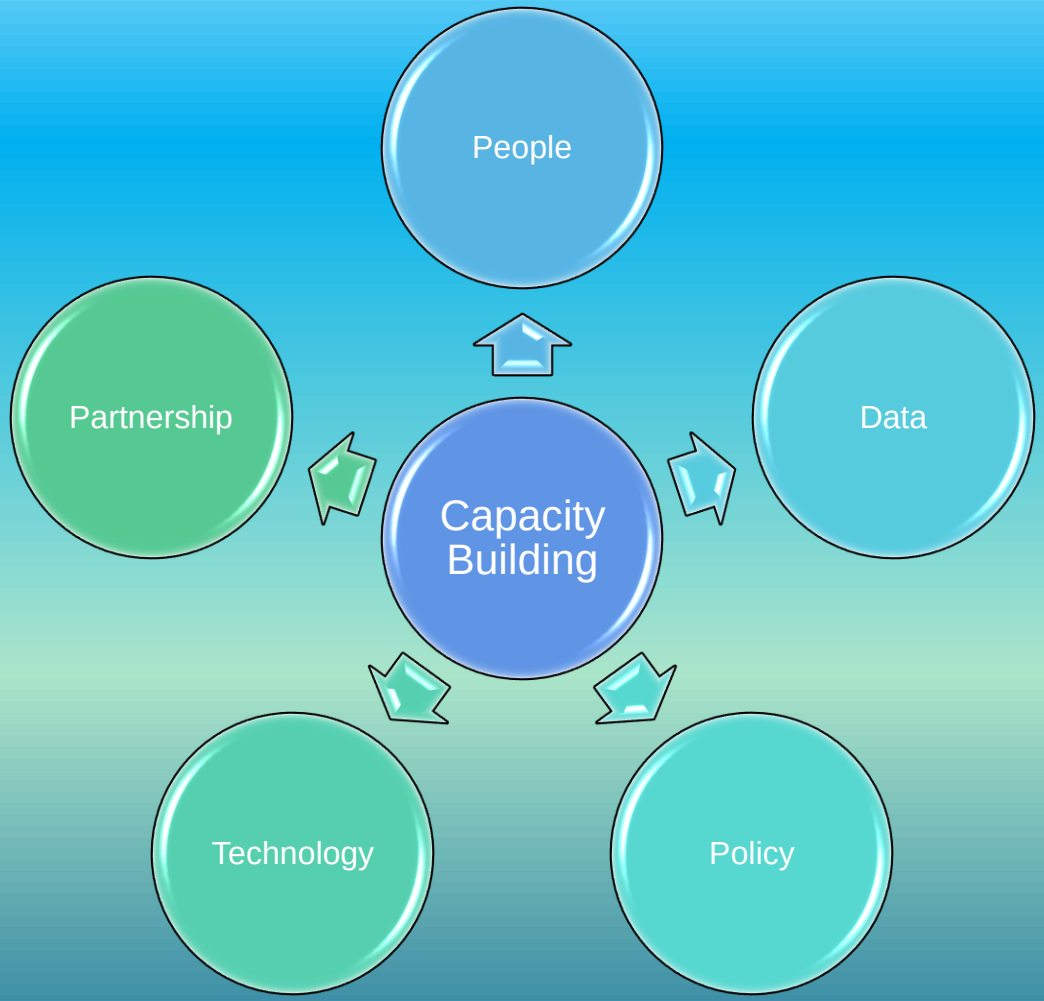


Global Geospatial Knowledge Hub?



A Global SDG Data Hub / Geo-dashboard

Global Geospatial Intelligent Framework for AI

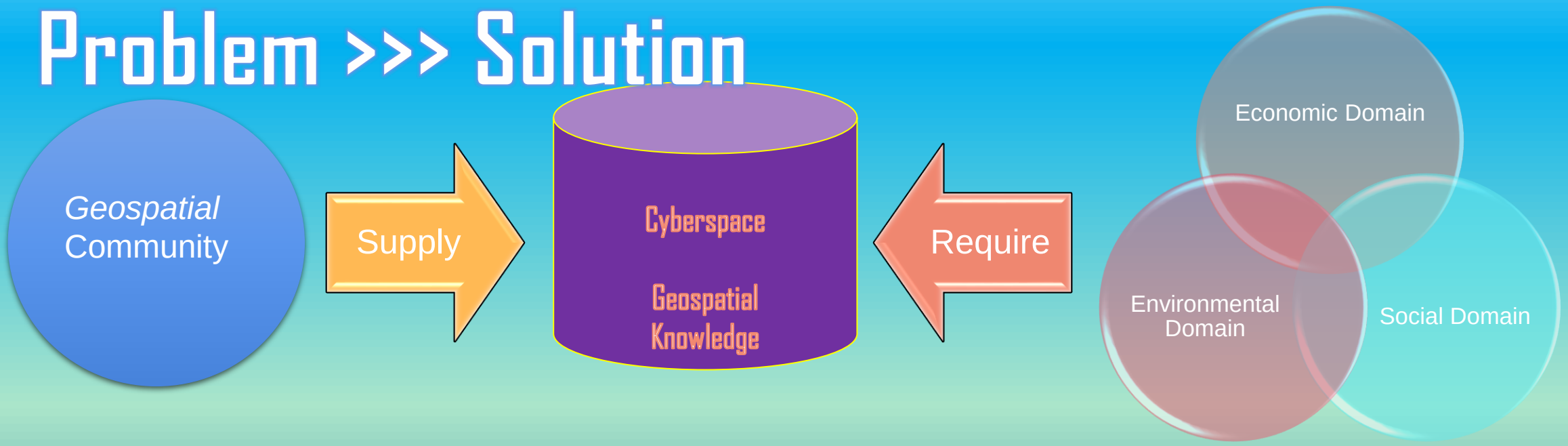


UN Global Knowledge Infrastructure

Geospatial Knowledge Innovation and Engagement

Partnership

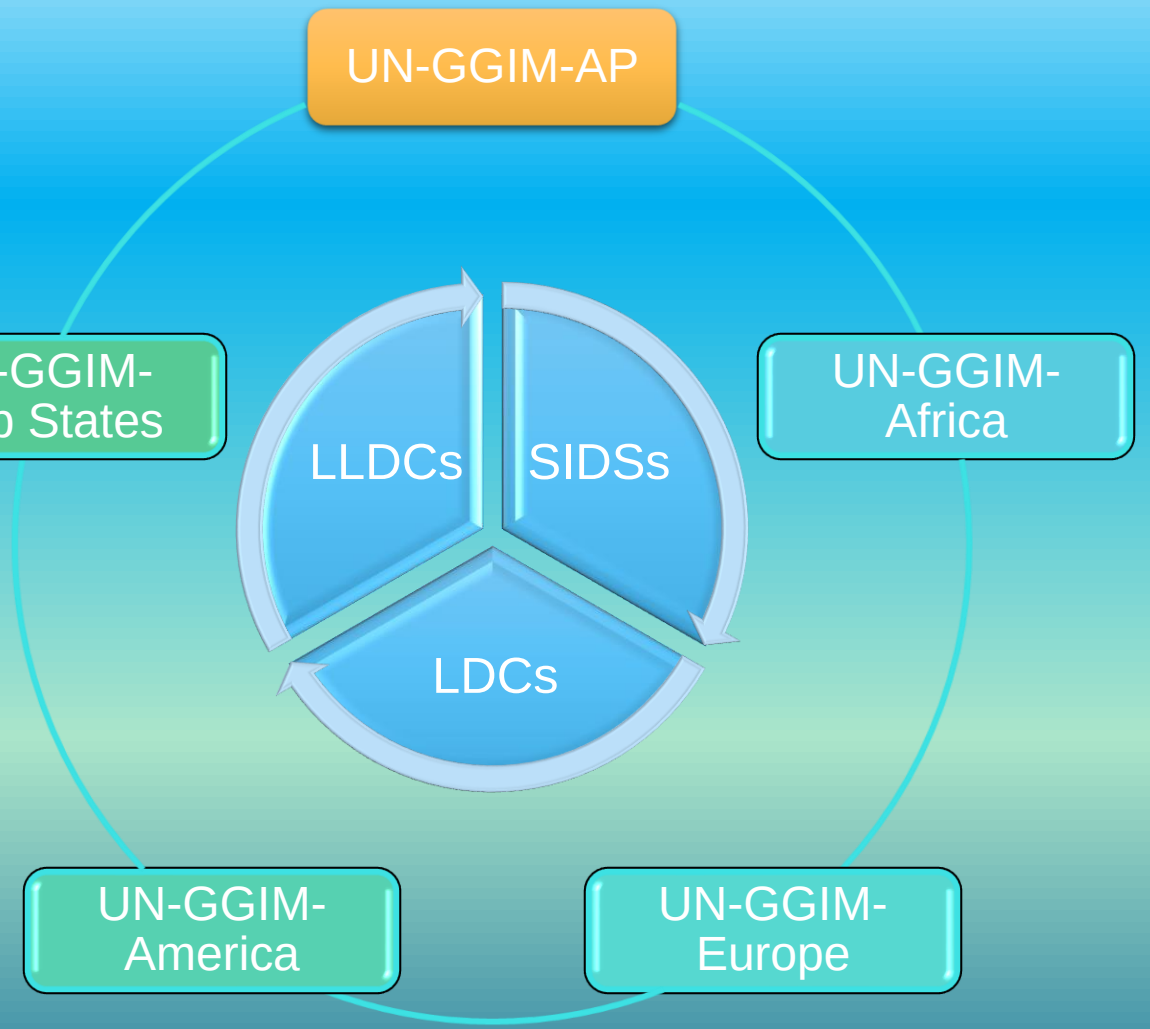
Problem >>> Solution



Requirement >>> Innovation

Engagement

How to Collaborate?



UNDP

GEO

UNOOSA

CEOS

FAO

UNESCO

UNOSAT

World Bank

National Aids

Regional Banks

Regional Funds

Foundations

Private Firms

ECLAC

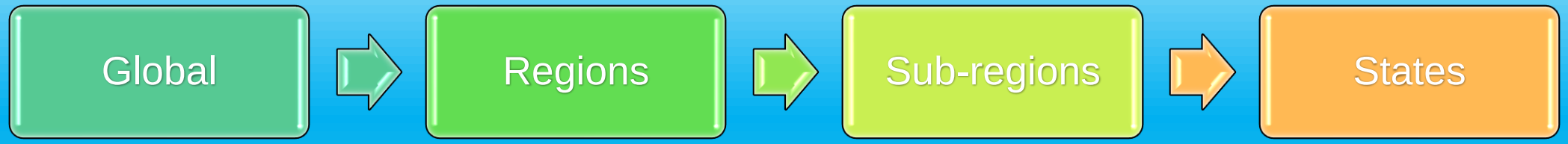
ESCAP

ECA

ESAWA

UNECE

Possible Cooperation between UN-GGKIC and Asia-Pacific



Training Leadership Development	Data sharing	Global Geospatial Infrastructure	Technical Support
AI Modelling Developing	Knowledge service	Forums and Seminars	Funding