



**WORKING
WEEK 2025**



Locate25 | 
THE NATIONAL GEOSPATIAL CONFERENCE

Presented at the FIG Working Week 2025,
6-10 April 2025 in Brisbane, Australia

 
Geospatial
Council of Australia

Brisbane, Australia 6-10 April

Collaboration, Innovation and Resilience: Championing a Digital Generation

Innovating Global Geospatial Knowledge to Bridge the Digital Divide

Dr. Penge Li



United Nations Global Geospatial Knowledge and Innovation Centre
联合国全球地理信息知识与创新中心



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Collaboration, Innovation and Resilience:
Championing a Digital Generation



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Main challenges in Cross-Road

Climate
Change

Natural
Disasters

Population

Zero
Emission

Resource

Un-
balance

Anti-
Globalization

Regional
Wars

UN 2030 Agenda
(2015)

Sendai Framework
(2015-2030)

Paris Agreement
(2016)

Compact of the Future
(2024)

UN Agenda
post 2030?

UN 80
Anniversary
1945~2025

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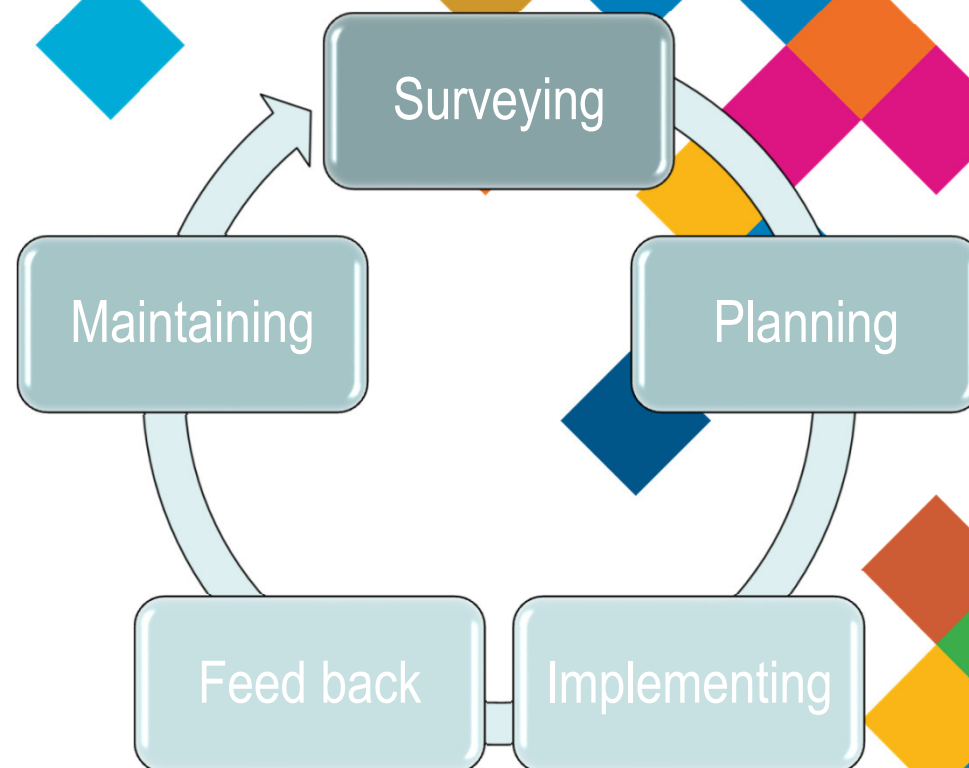
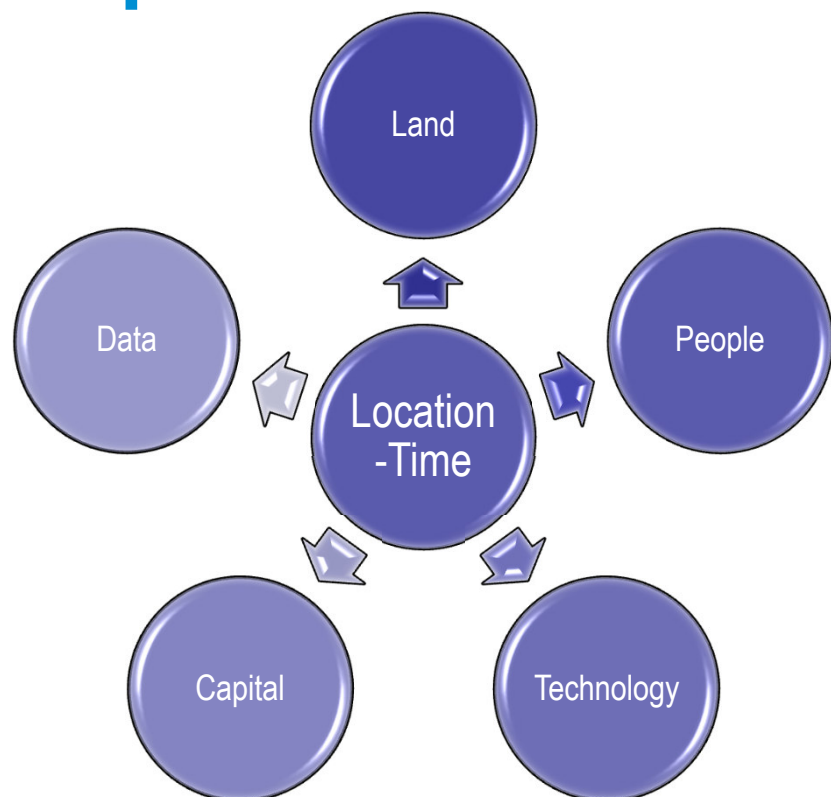
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Geospatial Location and Time Matters All



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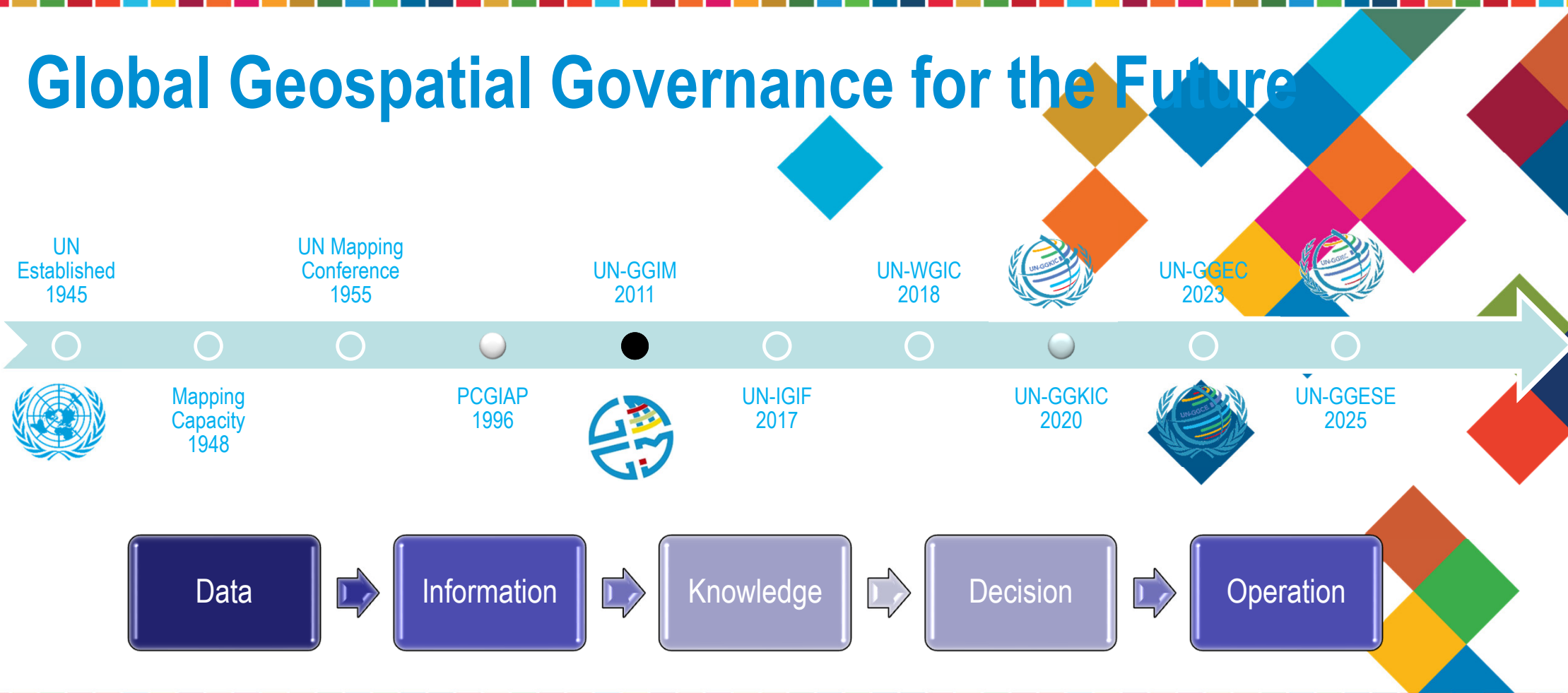
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Global Geospatial Governance for the Future



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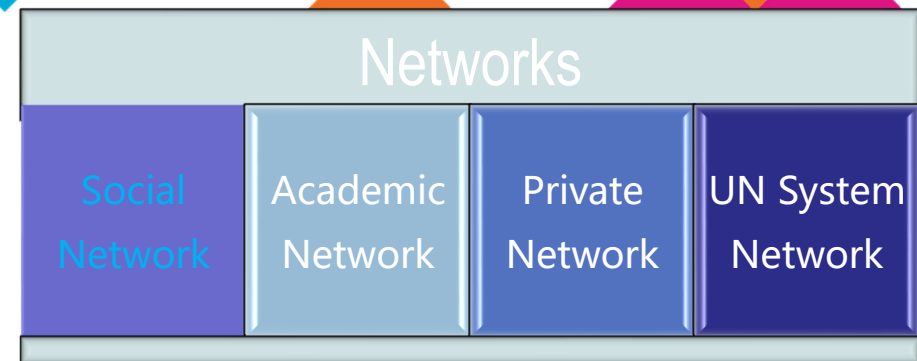
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UN-GGIM Mechanism



UN Expert Committee of Global Geospatial
Information Management established in 2011



<https://ggim.un.org>

UN-GGKIC and Strategic Goals

Geospatial IDEAS Benefiting Our World !

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

People—Data--Technology



Huzhou (Deqing), China



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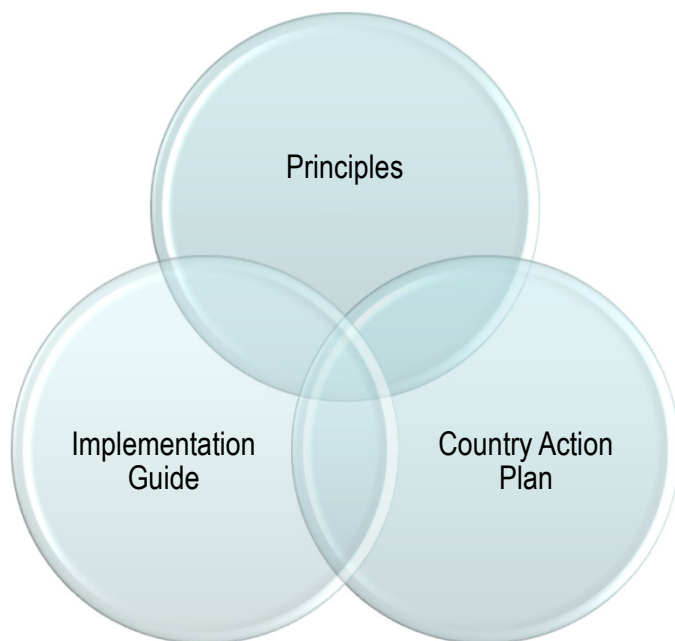
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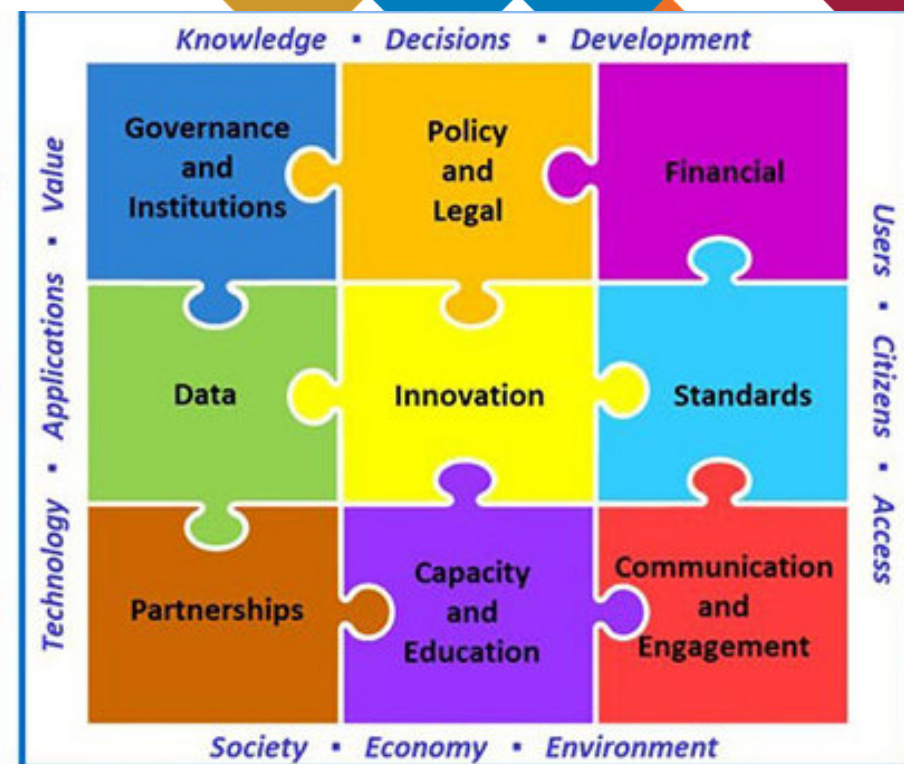
UN Integrated Geospatial Information Framework



Governance →

Technology →

People →



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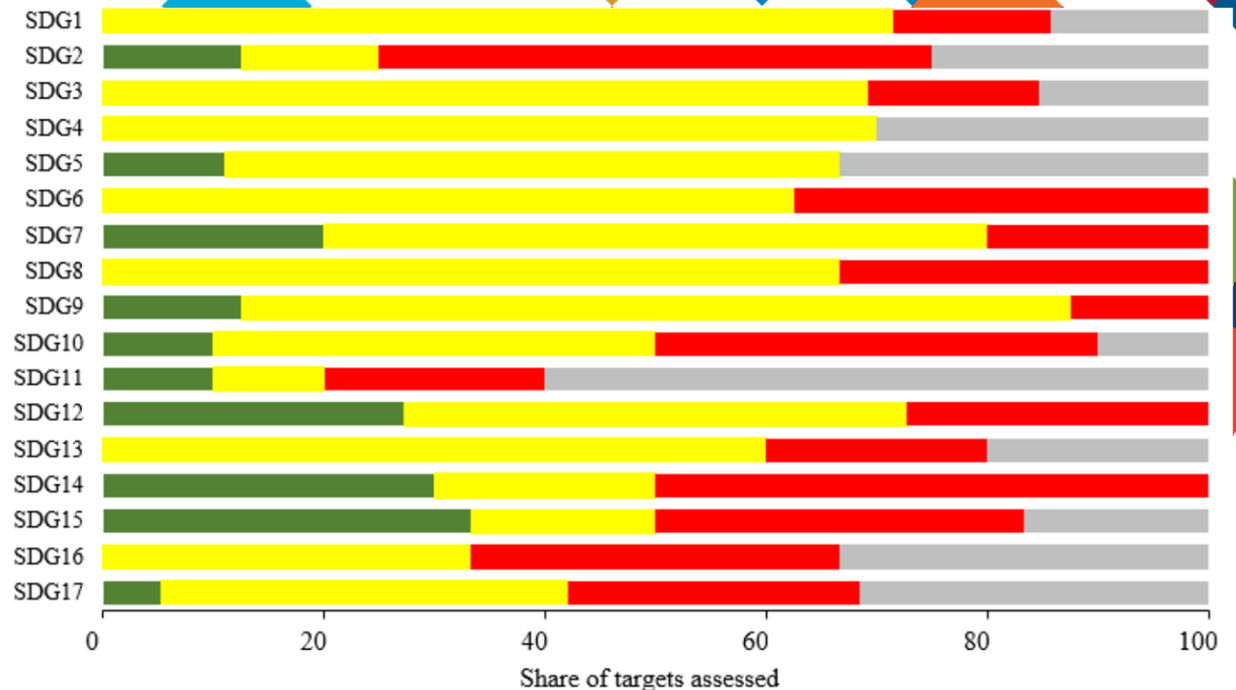
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SDGs 2030 and Assessments (2023)



■ On track or target met ■ Fair progress, but acceleration needed ■ Stagnation or regression ■ Insufficient data

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Our Common Agenda ----Policy Briefs



FUTURE GENERATIONS 	EMERGENCY PLATFORM 	YOUTH ENGAGEMENT 	BEYOND GROSS DOMESTIC PRODUCT 
GLOBAL DIGITAL COMPACT 	INFORMATION INTEGRITY 	INTERNATIONAL FINANCIAL ARCHITECTURE 	OUTER SPACE 
A NEW AGENDA FOR PEACE 	TRANSFORMING EDUCATION 	UNITED NATIONS 2.0  UN 2.0 Quintet of Change	COMMON AGENDA POLICY BRIEFS A quick summary



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UN 2.0 and Transformation

Data

Building impactful
data ecosystems



DATA CAN CHANGE LIVES AND LIVELIHOODS

Innovation

Learning to scale up
new solutions



NEW SOLUTIONS TO ACCELERATE PROGRESS ON THE SUSTAINABLE DEVELOPMENT GOALS

Digital

Becoming fluent in digital impact



DIGITAL CAPACITY CAN TRANSFORM EDUCATION

Strategic foresight

Learning to navigate uncertainty



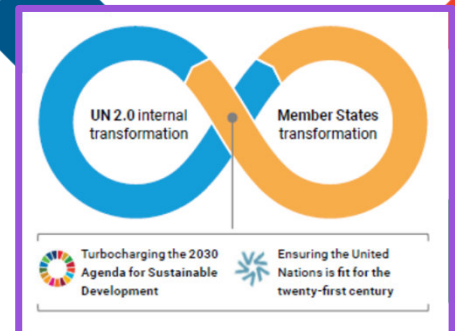
FORESIGHT CAN HELP TO CHART PATHS TO CLIMATE RESILIENCE

Behavioural science

Enabling better choices



BEHAVIOURAL SCIENCE CAN IMPROVE SOCIAL PROTECTION UPTAKE



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Summit of the Future and *Pact for the Future*



United Nations

SUMMIT OF THE FUTURE
OUTCOME DOCUMENTS
September 2024

Pact for the Future,
Global Digital Compact,
and Declaration on Future
Generations

Declaration on Future
Generations

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

1. Close all digital divides and accelerate progress across the SDGs;
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.

The Global
Digital Compact



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Call for Global Digital Infrastructures

Global Time
and Geo-
referencing
System

Global Earth
Observation
System

Global
Geospatial
Knowledge

Global
Geospatial
Clouds
Computing

Global
Geospatial
Law and
Standards

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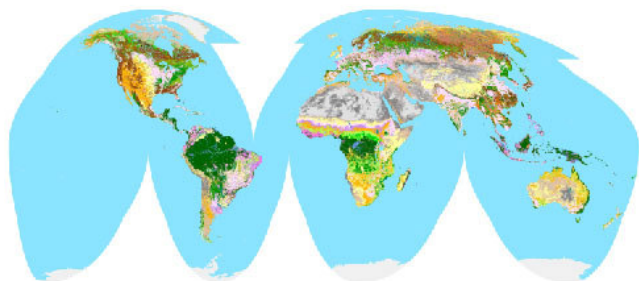


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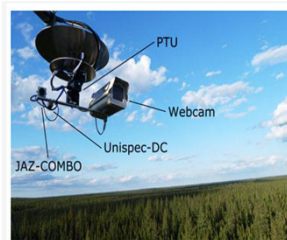
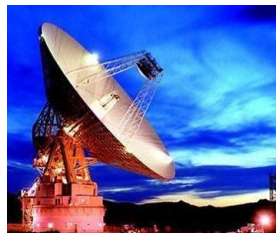
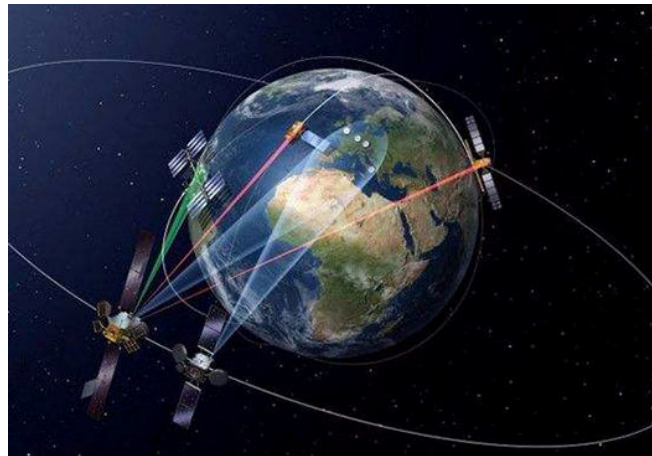


Global Geospatial and temporal referencing

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



Global Earth Observations

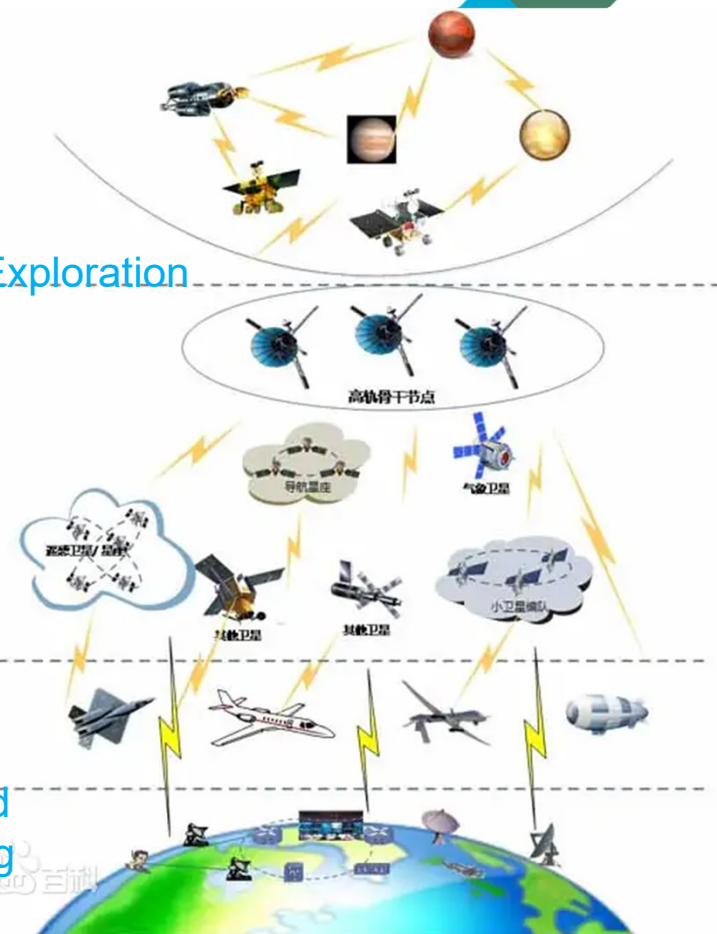


Deep Space Exploration

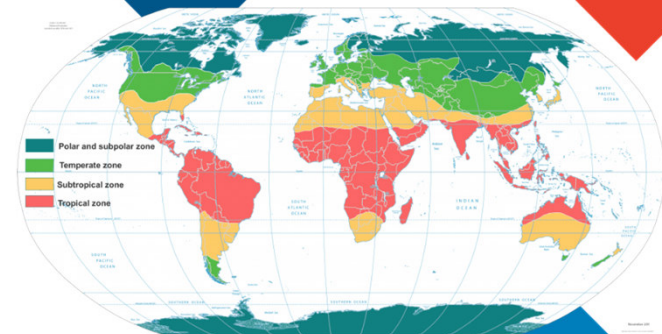
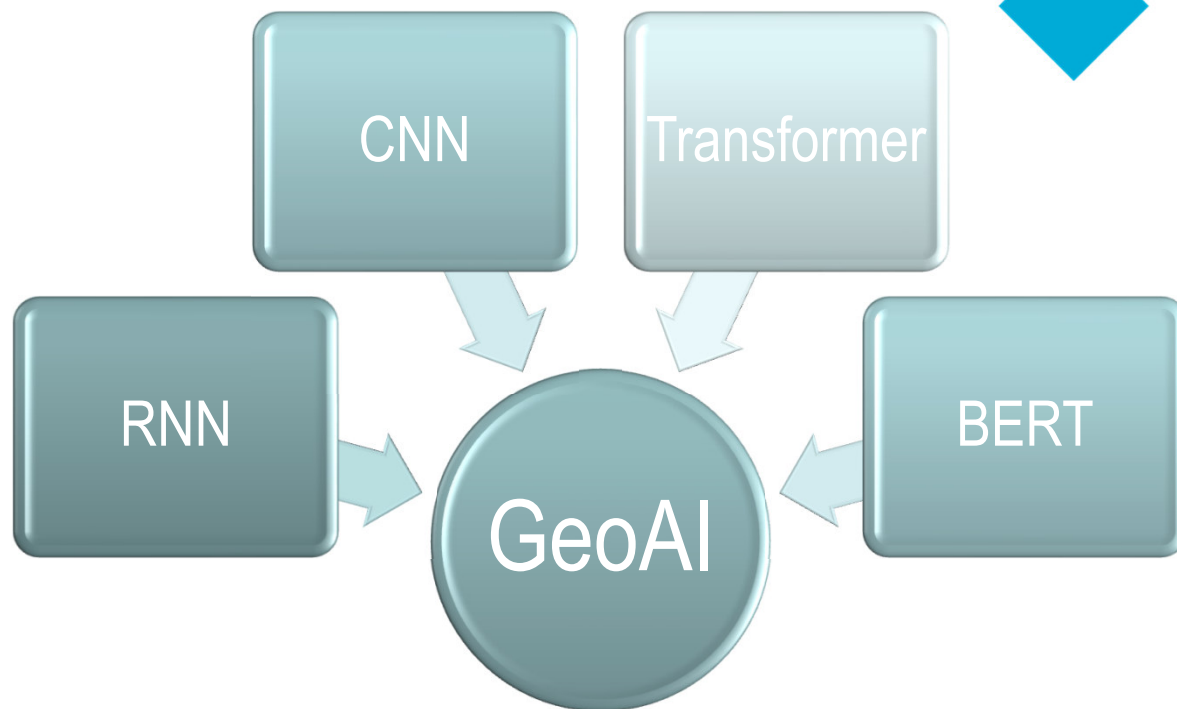
Space-bond

Aerial-bond

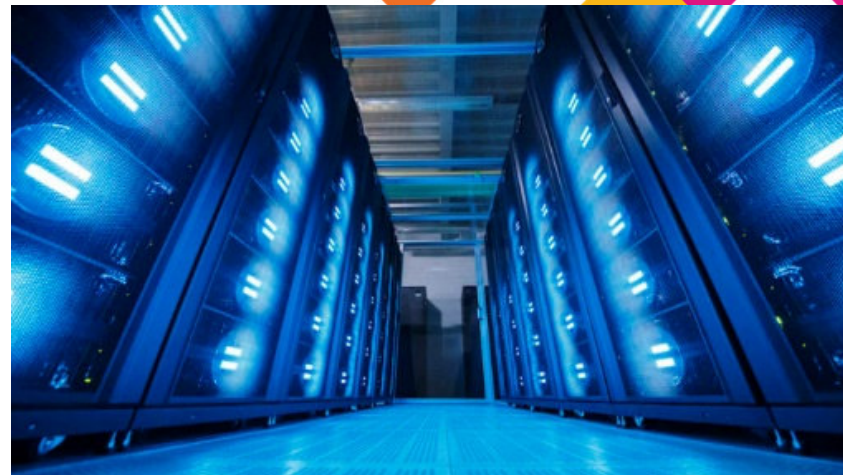
Ground-based
Ocean-floating



Global Geospatial Knowledge Infrastructure



Global Geospatial Clouds Computing





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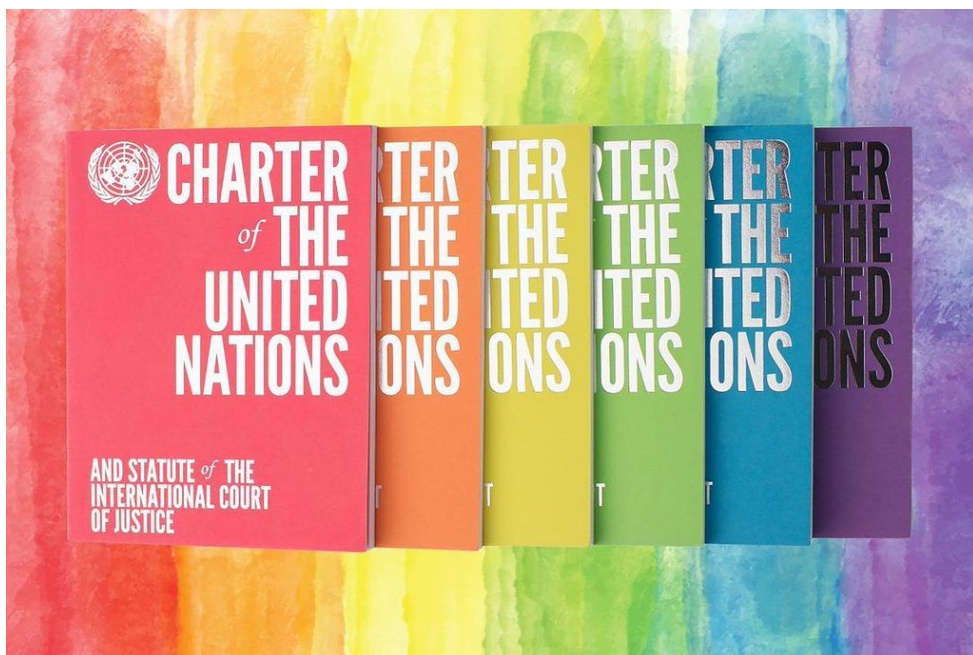
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Global Geospatial Laws and Standards



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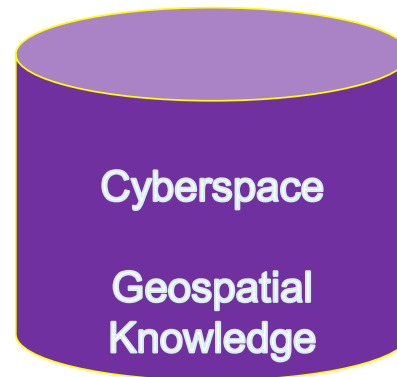


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Geospatial Knowledge Innovation and Engagement

Problem >>> Solution



Requirement >>> Innovation

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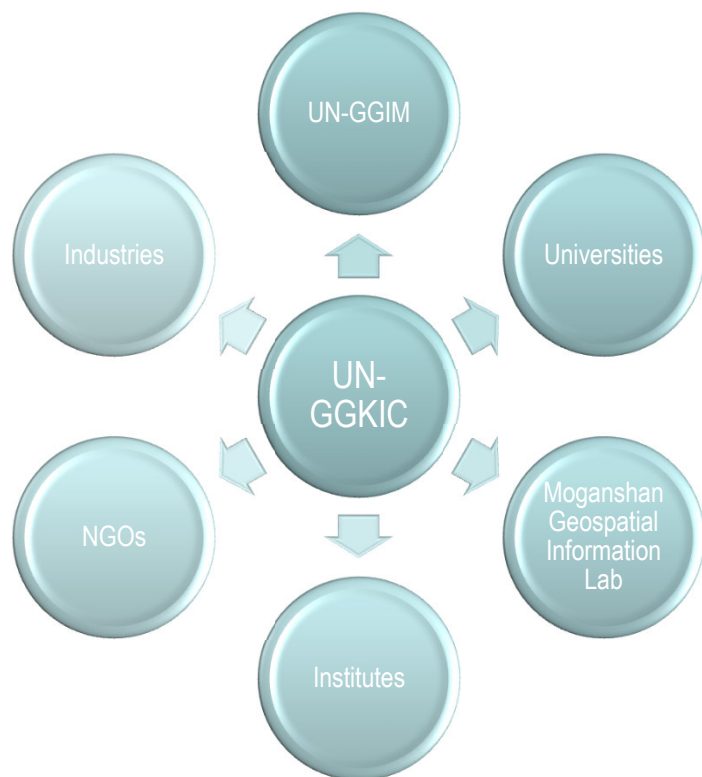
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UN GeoNow: Geospatial Knowledge and Innovation Week





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**A Global Geospatial Intelligent
Framework is to be the
innovative collaboration effort
for to bridge the Data Divide!**

Thanks for Attention!



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