Geospatial Knowledge Innovation for Sustainable Development in Asia and Pacific

Dr. Pengde Li

United Nations Global Geospatial Knowledge and Innovation Centre

Expert and Consultant Meeting on UN-IGIF

AP: The Most Important Part of SDGs

Social---Econoic---Environment

Half Population of the World

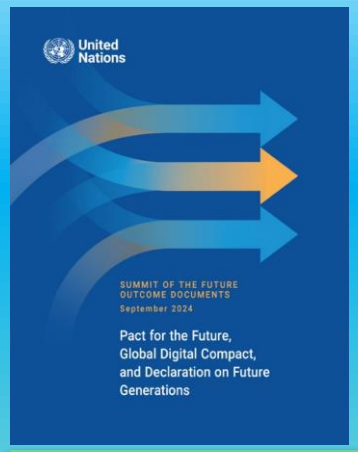
The Largest Oceanic Coverage

Asia & Pacific

The highest Plateau

The most natural disasters

Summit of the Future and Outcome Documents



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）

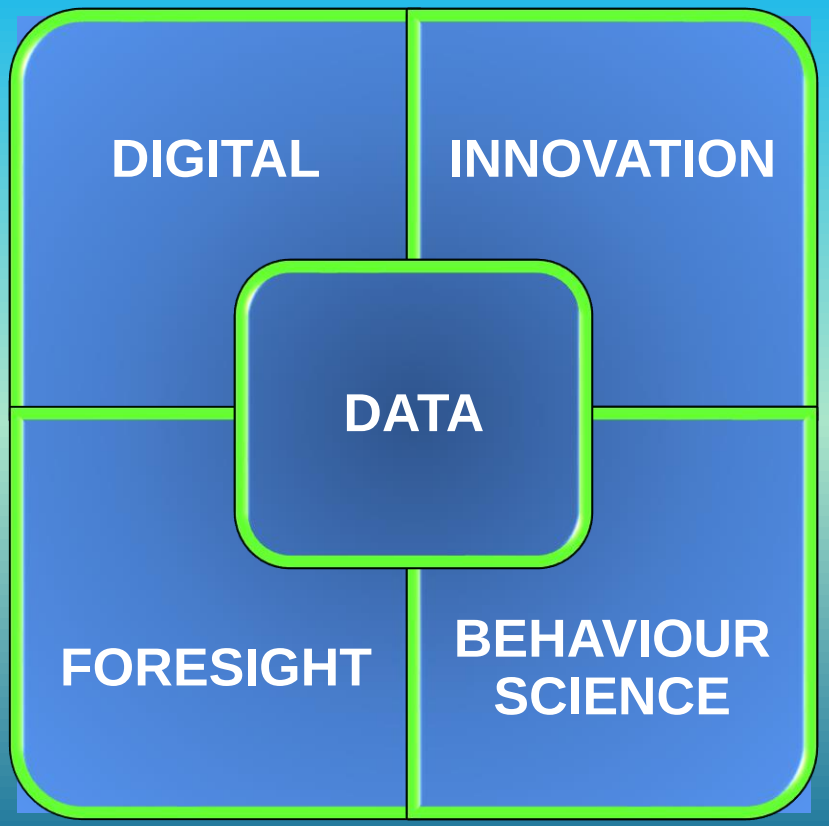
Pact for the Future

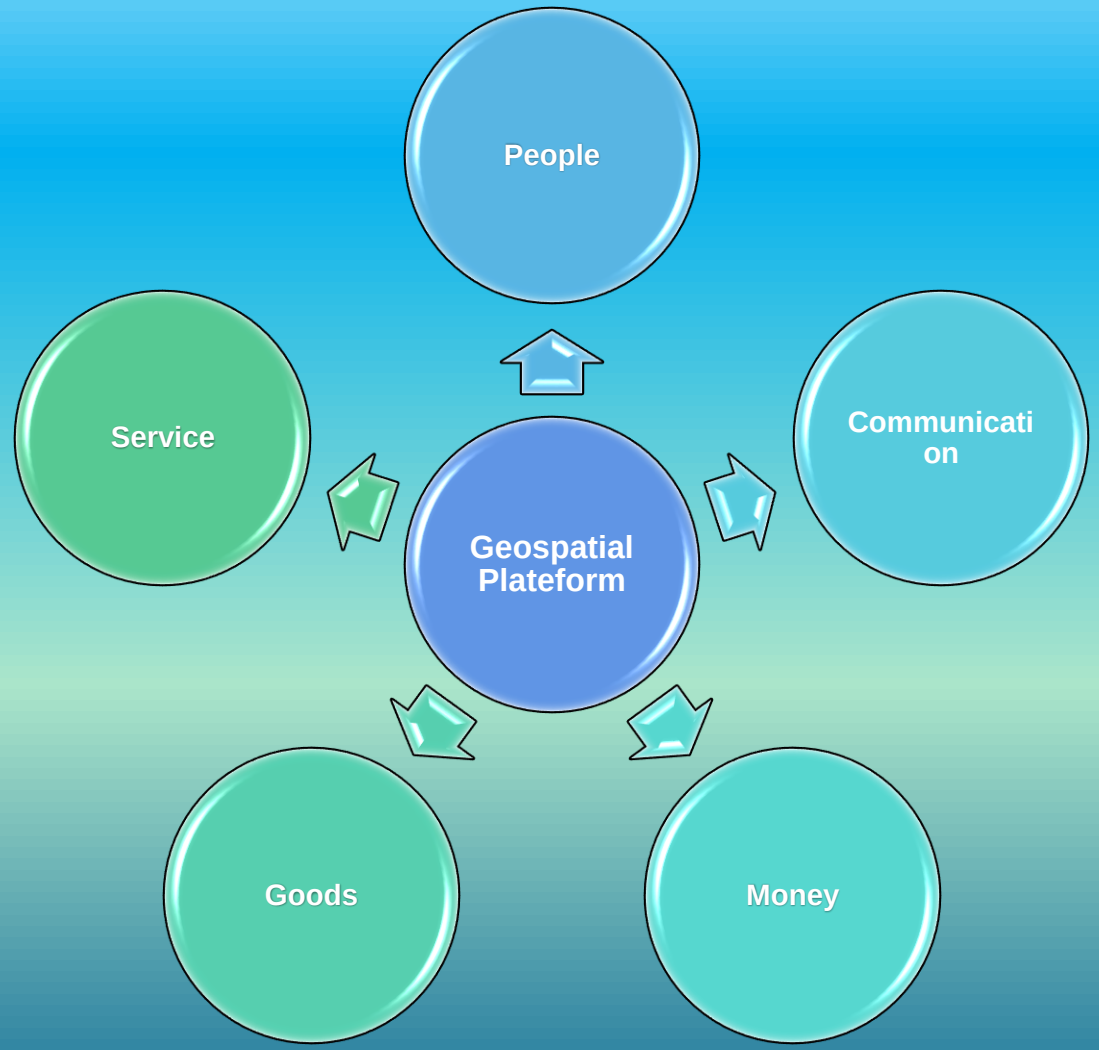
Global Digital Compact

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.

Declaration on Future Generations

UN 2.0 Need Geospatial Foundation





Global Geospatial Governance for the Future

UN Established 1945

Mapping Capacity 1948

UN Mapping Conference 1955

PCGIAP 1996

UN-GGIM 2011

UN-WGIC 2018

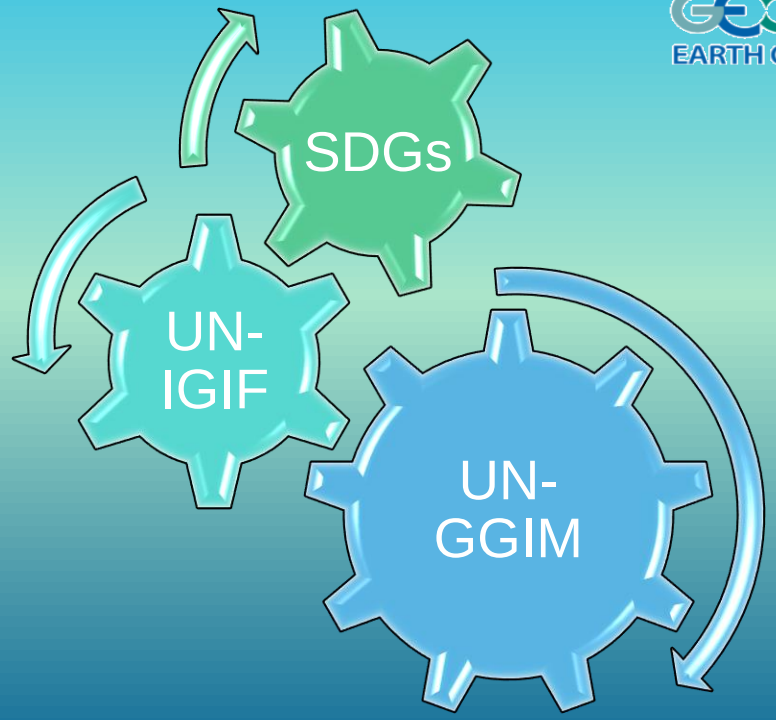
UN-IGIF 2018

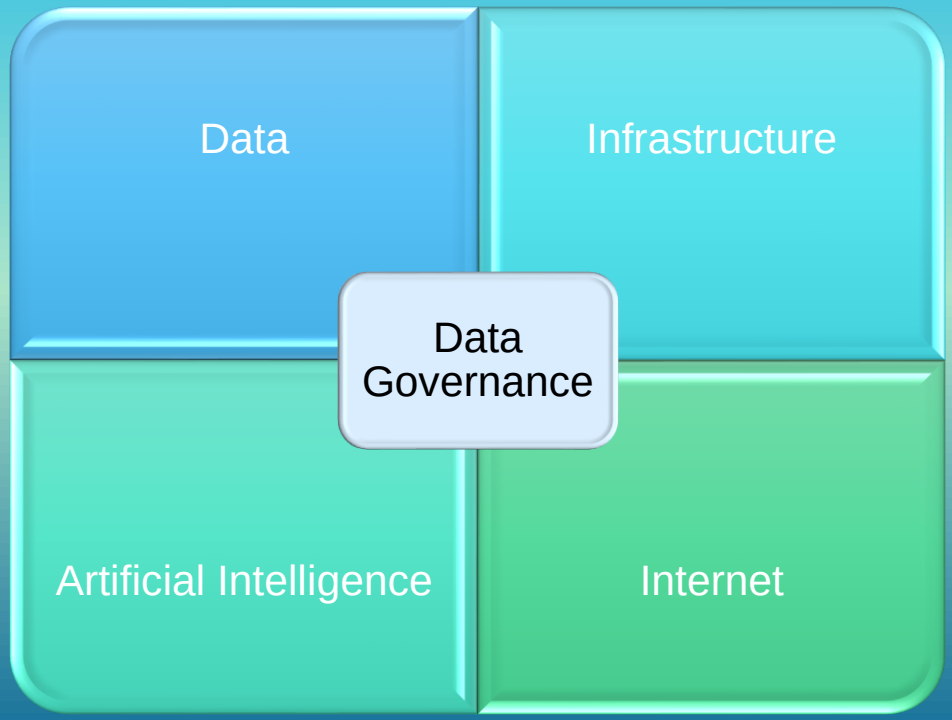
UN-GGKIC 2022

UN-GGEC 2023

UN-GGESE 2024

GEO GROUP ON EARTH OBSERVATIONS





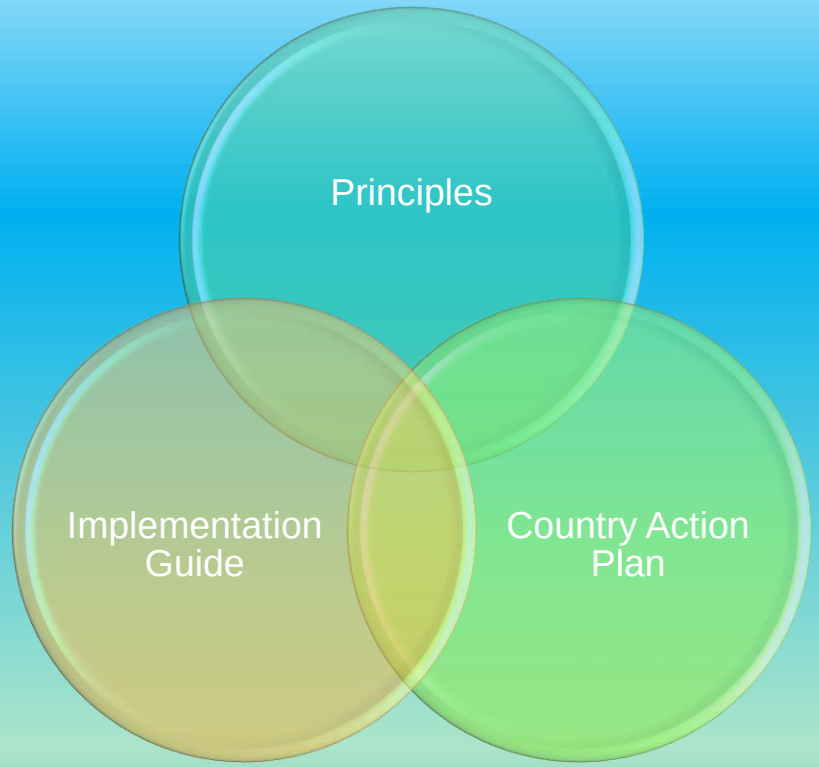
UN-GGKIC and Strategic Goals

Geospatial IDEAS
Benefiting Our World !

UN-IGIF Implementation and Applications

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**

UN Integrated Geospatial Information Framework

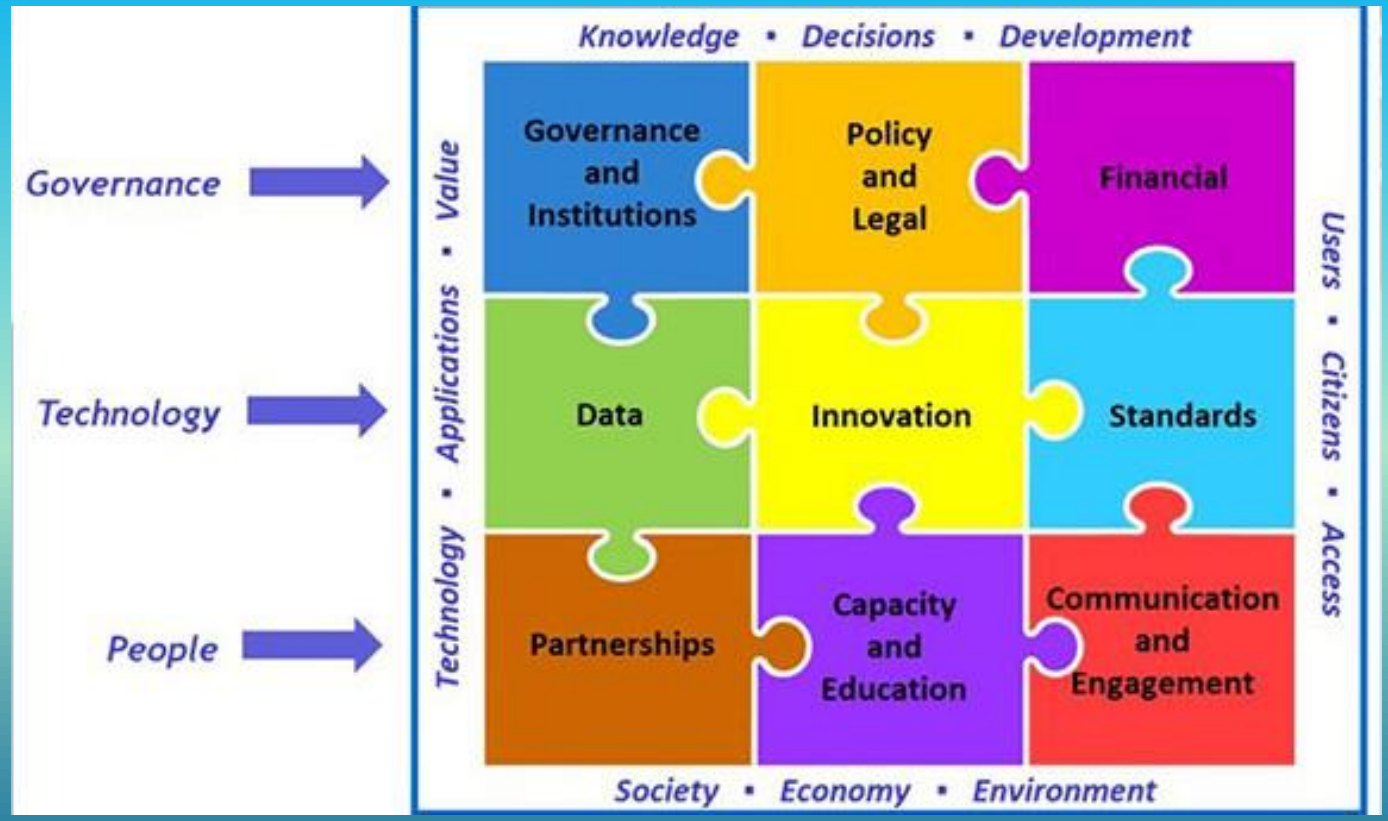


Talents

Data Platform

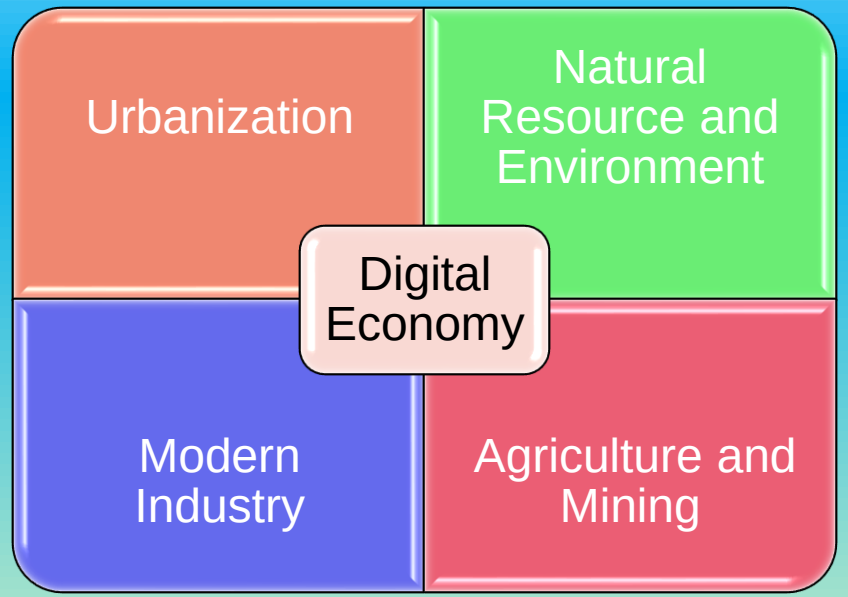
Technology

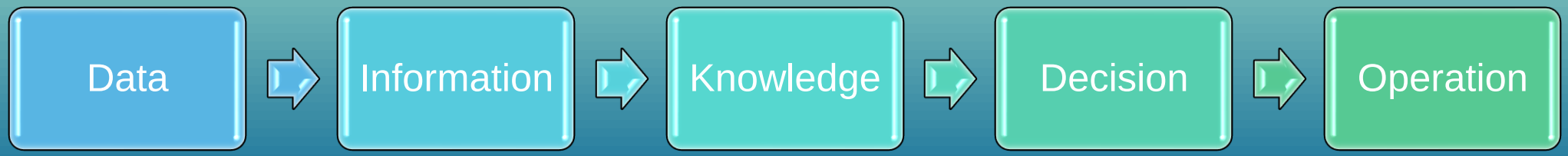
High Level Group on UN-IGIF



Data and Technology for the Future

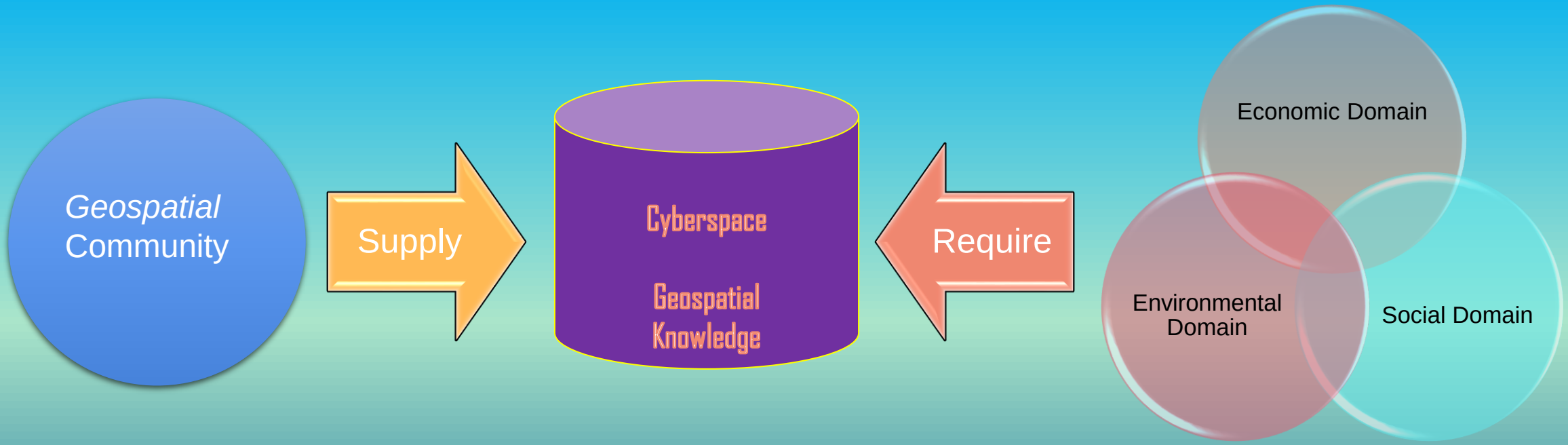
- IoT and 5G
- Big Data and Data Science
- Block-Chain and Safety
- Algorithm and Platform
- Deep learning and AI





Geospatial Knowledge Innovation and Engagement

Problem >>> Solution



Requirement >>> Innovation

UN GeoNow 2024 Overview

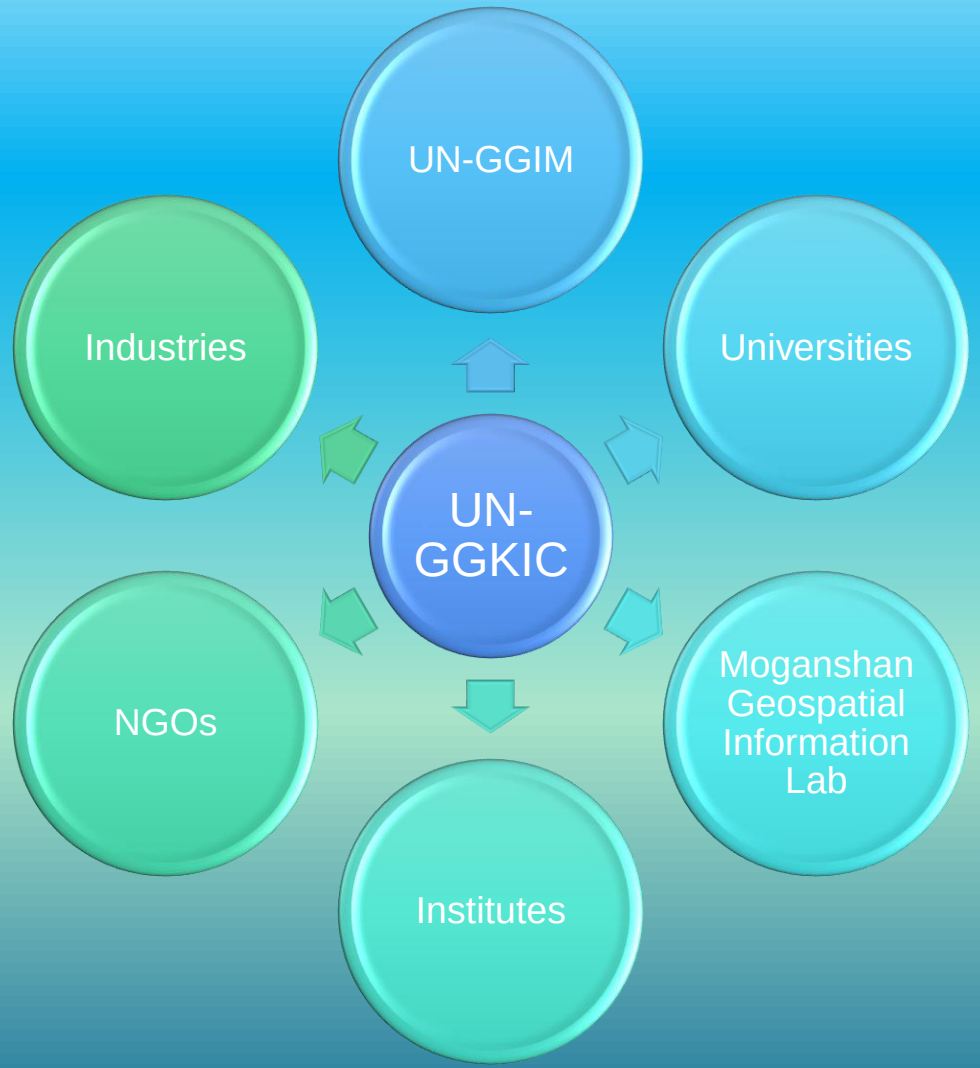
UN GeoNow Open Week

- 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

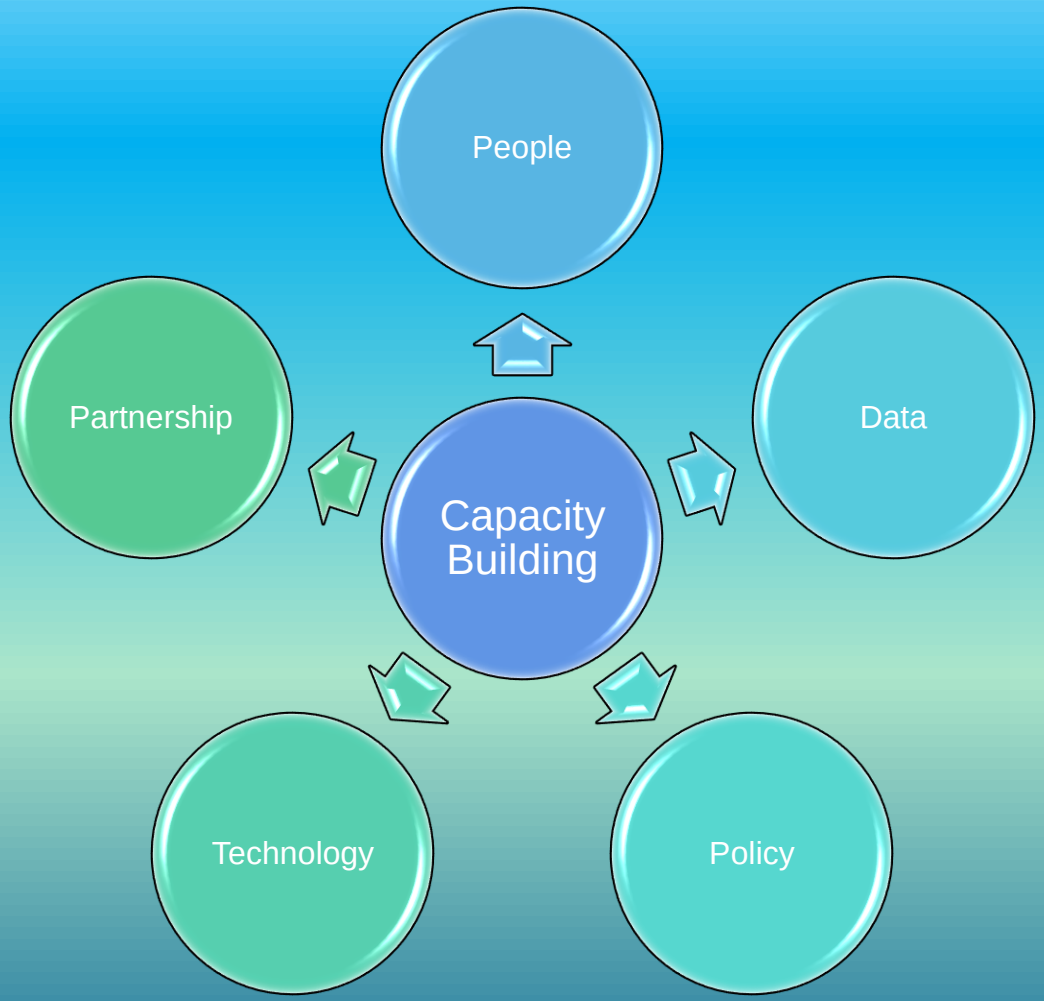
UN GeoNow 2024 Think Tanks Initiatives

Moganshan Talks

1. Digital Twins and Smart City
2. Smart Farming and Food Security
3. Natural Resource Survey Land Governance
4. Clean Energy and Green Development
5. Climate Chang and DRR
6. Geo-modeling and Geospatial Intelligence



Global Geospatial Intelligent Framework for AI



UN Global Knowledge Infrastructure

UN-GGKIC Work Programme 2024/2025

Strategic Goals	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Leadership Collaboration	AP	UN	AS	EU	AP	AP	AF	UN	UN		UN	AM	
National Priority	AP	UN	AS		AM	AF		EU	UN		UN		AF
Data Platform	AP	UN		AM		AF		EU	UN	AS	UN	AM	
Tech Innovation	AP	UN		AM		AF	EU		UN		UN		AS
Communication Awareness	AP	UN	AS		AP		AF	EU	UN		UN	AM	

AP	AF	AM	EU	AS	UN

Let's work together to Increase geospatial capabilities!