

Expert Consultation and Meeting on Enhancing Geospatial Information Management Arrangements and Accelerating Implementation of the Sustainable Development Goals, and the Sub-regional Workshop on the United Nations Integrated Geospatial Information Framework (UN-IGIF) for Central Asia, South Asia, and neighboring countries

Leadership, Engagement and Partnership

**Astana, Kazakhstan
17 September 2025**



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Sub-regional Workshop on UN-IGIF for the Central Asia, South Asia and Neighboring Countries

Leadership

Leadership is the ability to **influence, inspire, and guide** individuals, teams or an organization toward achieving a common goal while fostering collaboration, trust, and innovation.

Key Elements of Leadership

Vision: Setting a clear direction and purpose.

Influence: Inspiring others through communication and action.

Empowerment: Encouraging team autonomy and growth.

Accountability: Taking responsibility for outcomes.

Geospatial Leadership



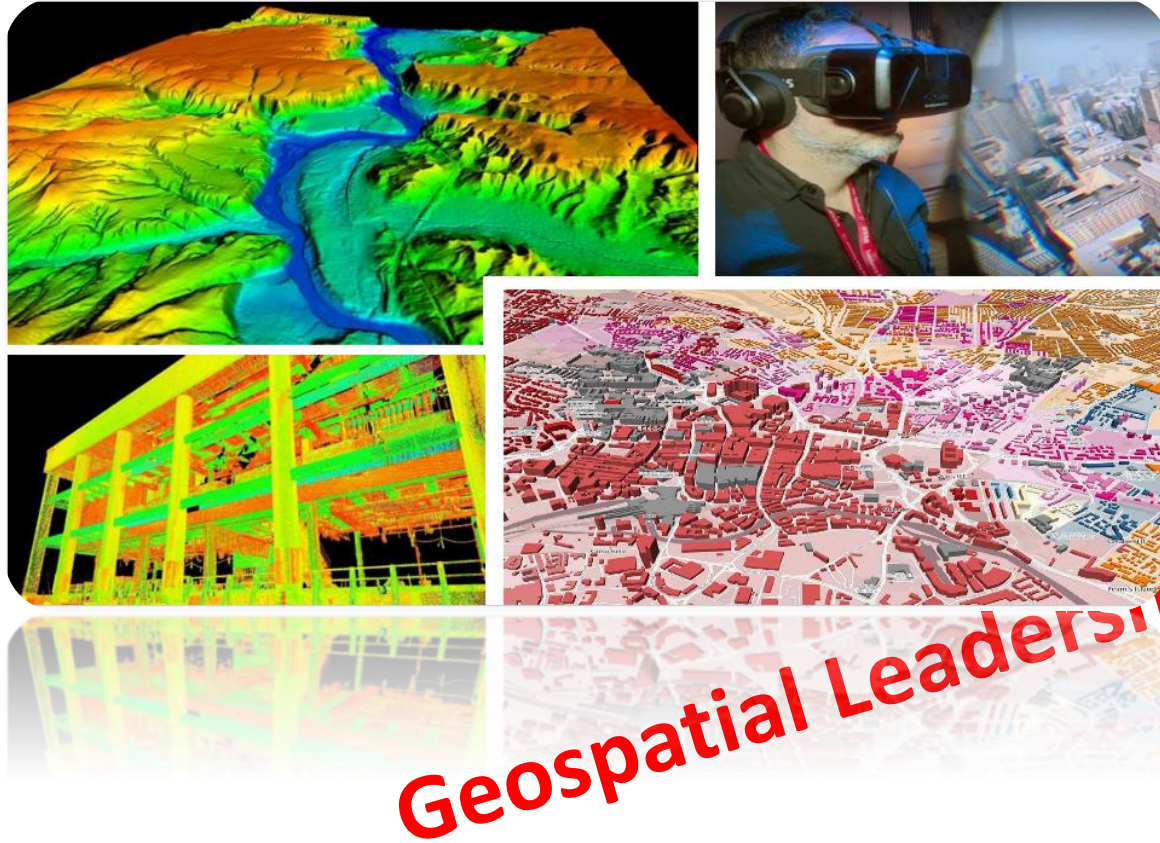
- **Leading Innovation** and **design thinking** empowered by **Geospatial Information**.
- Identify the **key drivers for change** in the *Geospatial Sector*, such as technological advancements, policy changes, and societal needs so leaders can anticipate and respond to these drivers.
- Managing change and **data value chain**.
- **Enacting Transformation**.



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Empowering the Implementation of the UN-IGIF



- **Bridging the digital and knowledge gap** and connecting people with all potential resources and partnerships to **overcome the barrier and foster the implementation of the UN-IGIF** in their country.
- **Identifying pathways** to strengthen national leadership capacity, promote innovation, and ensure sustainable geospatial governance across Member States.
 - Inspire Innovative Thinking
 - Build an Application Ecosystem.



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The Challenge

- **As leaders,** How can we ensure geospatial data is not only **available**, but also **accessible and actionable** across diverse communities?
- **As leaders,** How do we develop the strategies needed to build the human and institutional capacity to mainstream geospatial intelligence in climate policy and planning?
- How do **we all** ensure **balance between innovation and ethical governance** to ensure geospatial technologies support just, inclusive, and sustainable outcomes?



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Challenges Identified

1. Lack of (or insufficient) **governance** - legal/policy frameworks for interagency collaboration
2. Unconvinced **buy-in** from highest-level decision makers (cabinet)
3. Lack of qualified GIS professionals, enhancing **geospatial skillset**
4. Lack of data **standard and infrastructure**
5. Sustaining **financial** investment either from national or private sectors in geospatial programs
6. Limited global and regional **coordination** and participation for policy alignment
7. Sustaining **institutional memory** – free from political changes in the country

High-level Policy Brief

1. Harnessing **Reliable Location-Based Data** to Solve Development Challenges.
2. Ensuring Resilience and Prosperity Through Geospatial Information: Utilize **geospatial information as a foundational tool** for building resilience.
3. Demonstrating **Economic Value and Return on Investment (ROI)** of Authoritative Data: Economic development potential and downstream value
4. Sovereignty and Responsibility in **Data Management**: Robust frameworks that ensure data sovereignty and responsible stewardship.
5. Empowering **Modern Governance**: Promote the development of accessible geospatial platforms to support transparent and efficient governance.



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"It's all about leadership - the ability to drive continuous transformation in alignment with evolving technological ecosystems and national priorities, shaped by a rapidly changing geopolitical landscape and the imperative for socio-economic resilience."



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As head of technical committee, you are seeking approval from cabinet for going forward with IGIF process.

Based on this morning national priority exercise, pick up **top priority**, make a case and present it to the cabinet for funding approval.

Time limit: 2 - 3 mins

15 mins discussion within the group, present by group leader.



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Thank
You!



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