

**Virtual Regional Seminar on
Operationalizing the Integrated Geospatial Information Framework
in Asia and the Pacific**

MONGOLIA: Operationalizing Integrated Geospatial Information Framework

Bayarmaa Enkhtur

Agency for land administration and management, geodesy and cartography, Mongolia

bayarmaa.e@gazar.gov.mn

***25 November and 02 December 2020
10:00am to 12:00 noon (UTC+7, Bangkok time)
Videoconferencing***



Introduction – IGIF Journey begins

2018

- Integrated Geospatial Information Framework
 - United Nations 11th Tranche Development Account
 - Project 1819D “*Strengthening Geospatial Information Management in Developing Countries towards Implementing the 2030 Agenda for Sustainable Development*” in Burkina Faso, Ethiopia, Fiji, **Mongolia**, Nepal, Kingdom of Tonga

2019

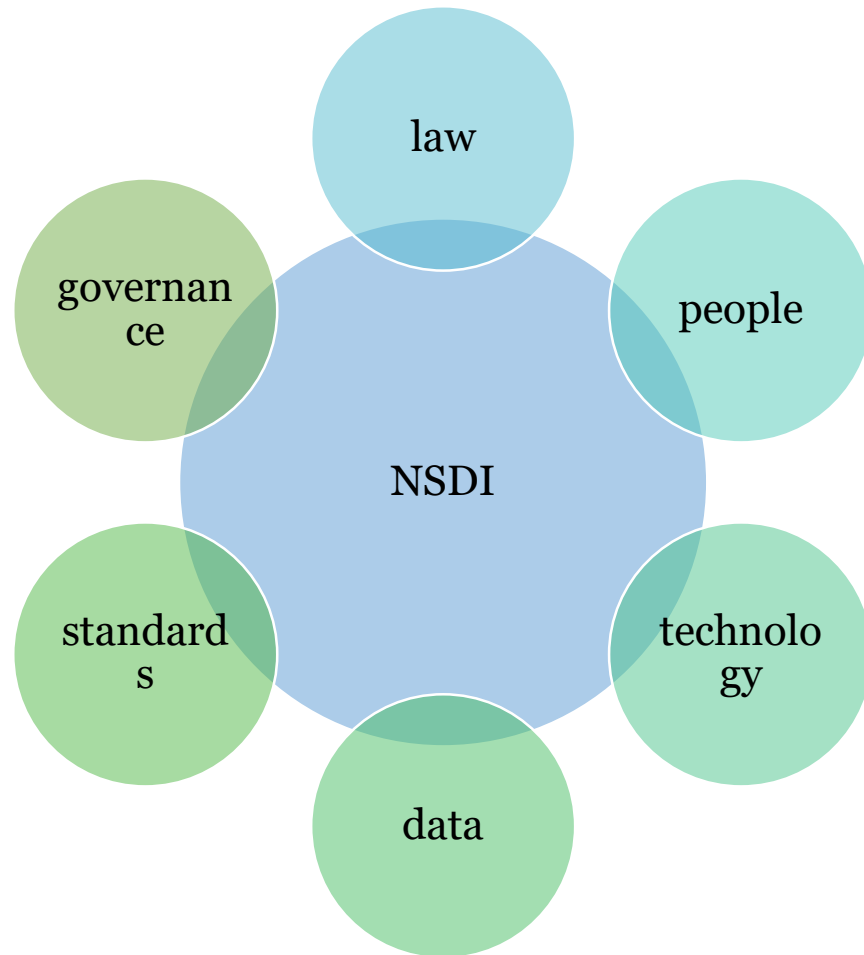
- WB Technical Assistance to the Government of Mongolia for Geospatial information Management
 - National Spatial Data Infrastructure for Mongolia: Socio Economic Impact Analysis*
 - within the World Bank Urban, Resilience and Land Global Practice (GPURL), Global Land and Geospatial Unit.

2020

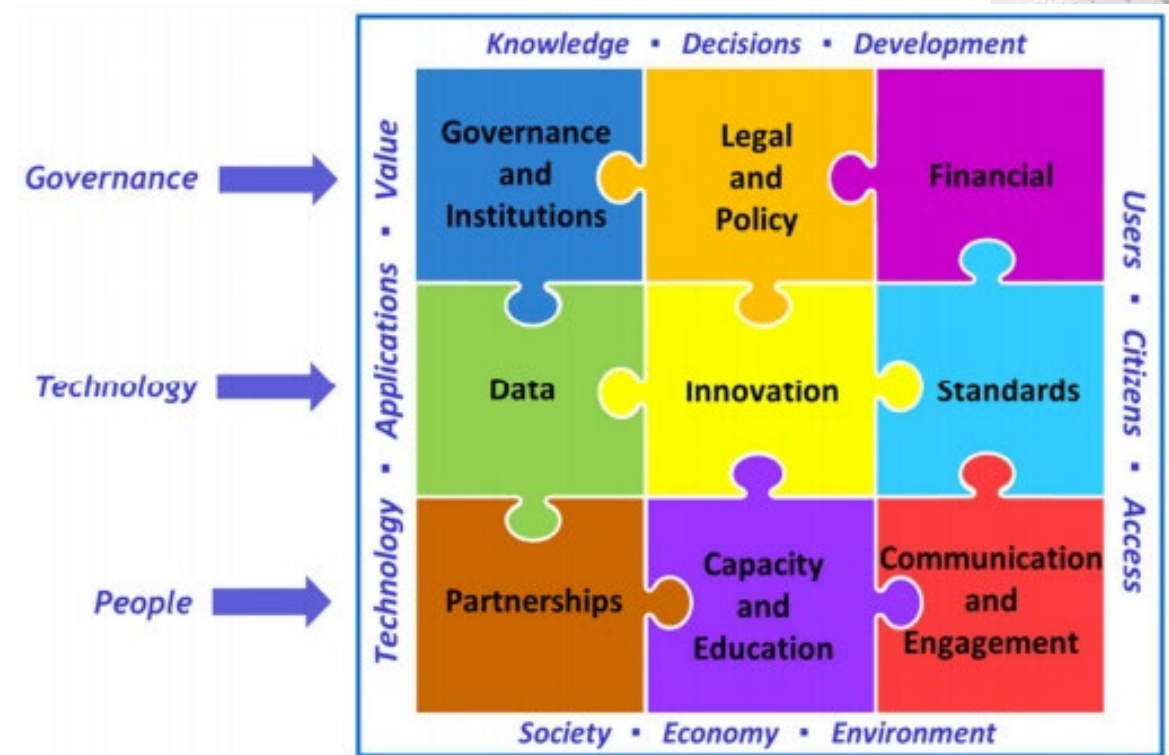
- NSDI ACTION PLAN**
 - NSDI Implementation in Mongolia

Integrated Geospatial Information Framework

Before IGIF

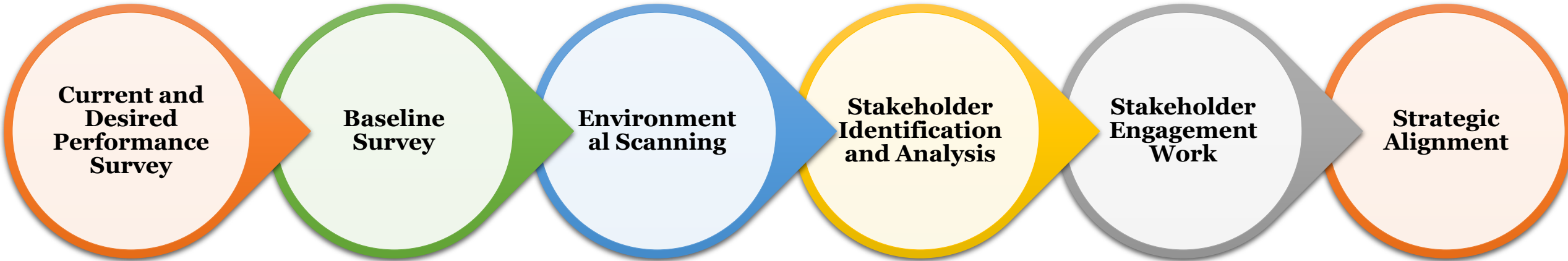


IGIF introduced



[lian version](#)

UN-GGIM Project 1819D – systematic guidance



**Governance
and
Institutions**

Working group on GIM

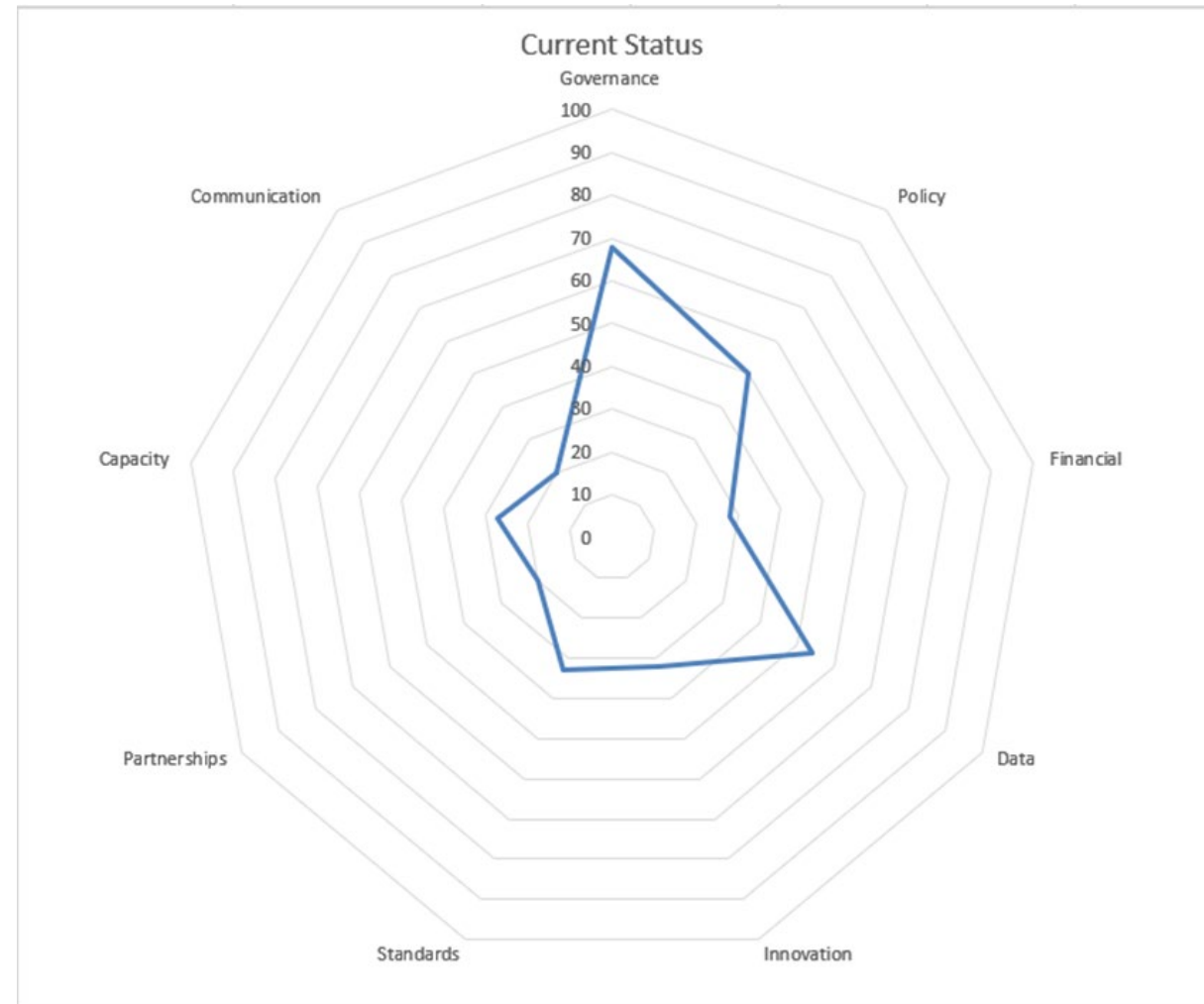


Current status



Scores for the individual Strategic Pathways

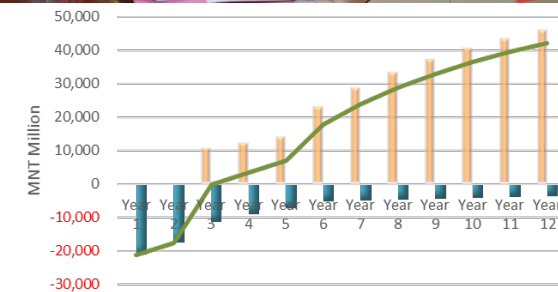
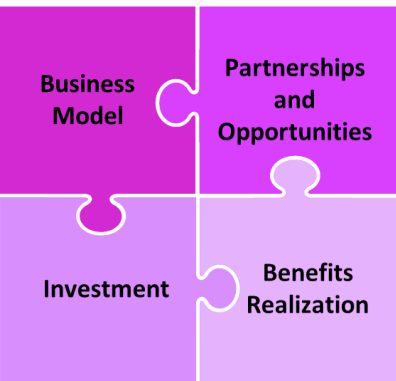
- Governance and Institutions 68
- Policy and Legal 50
- Financial 28
- Data 54
- Innovation 32
- Standards 10
- Partnerships 20
- Capacity and Education 27
- Communication and Engagement 20



National Spatial Data Infrastructure for Mongolia: Socio Economic Impact Analysis



- WB Technical Assistance to the Government of Mongolia for Geospatial information Management
 - *National Spatial Data Infrastructure for Mongolia: Socio Economic Impact Analysis*
 - interviews with more than **25 stakeholder** organizations, including Mongolian Government Ministries, agencies, State-owned enterprises and private sector companies,
 - the team identified over **50 use cases** where there are demonstrable benefits from the implementation of GIS technology requiring foundation geospatial data
 - Calculated **socio-economic benefits** and investment plan



Task force for NSDI established

UN-GGIM & WB: NSDI Action plan



Vision, Mission and Goals



Leaving no SPs behind

Action plan

Vision

Geo-driven eGovernment and innovation that empowers efficient and effective use of geospatial information towards national sustainable development.

Mission

Strengthen integrated geospatial information management and promote the value of geospatial information through leadership, coordination, partnerships, advanced technology, and geo-standards.



Goal 1: Quality Information



Goal 2: Accessible and Useful

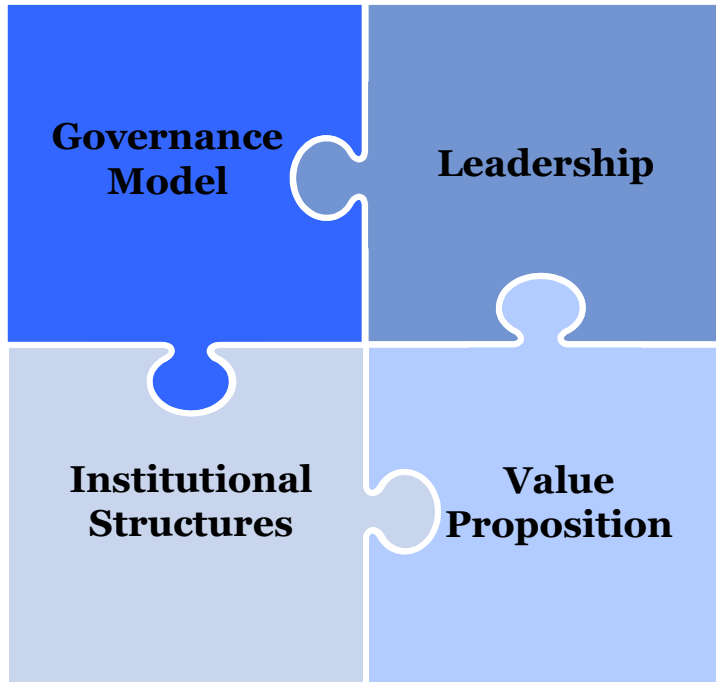


Goal 3: Good Governance



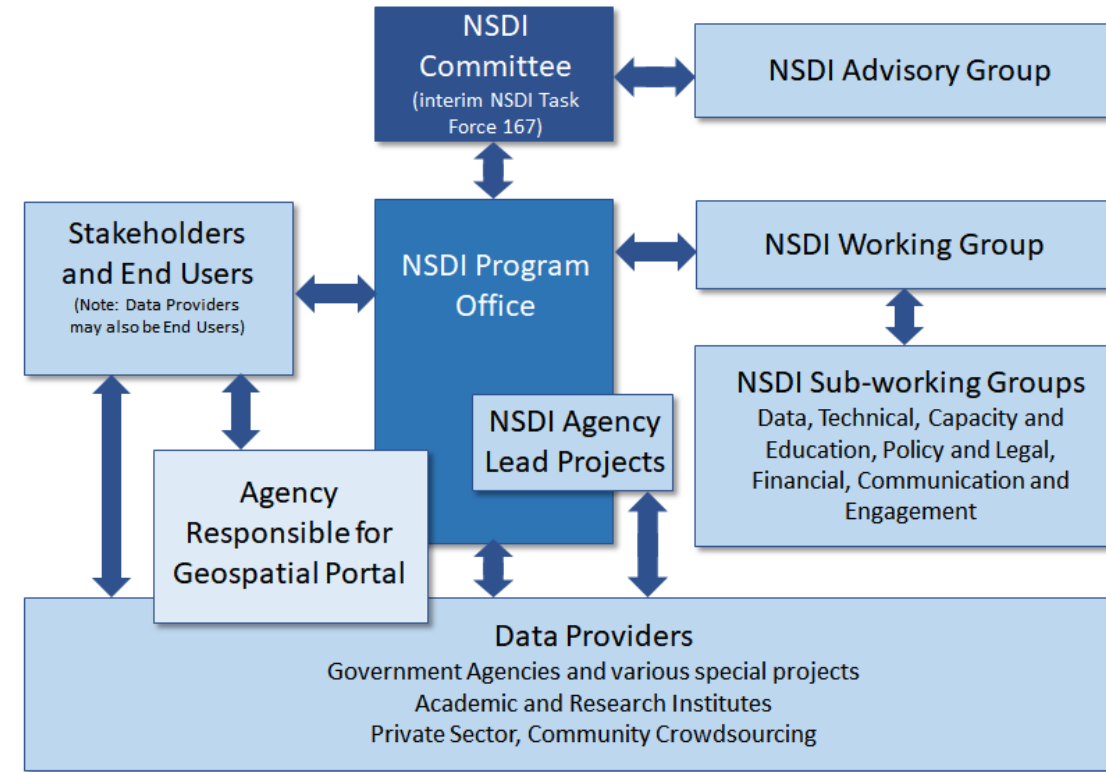
Goal 4: Innovation and Capacity

SP1 Governance and Institutions



Current: Task
force for NSDI

Current



Desired

SP2 Policy and Legal



- Endorse SDI LAW
 - Reflecting SPs
- Implement Action plan
- Draft Data release and licensing regulation



Authorized



Timely



Innovative

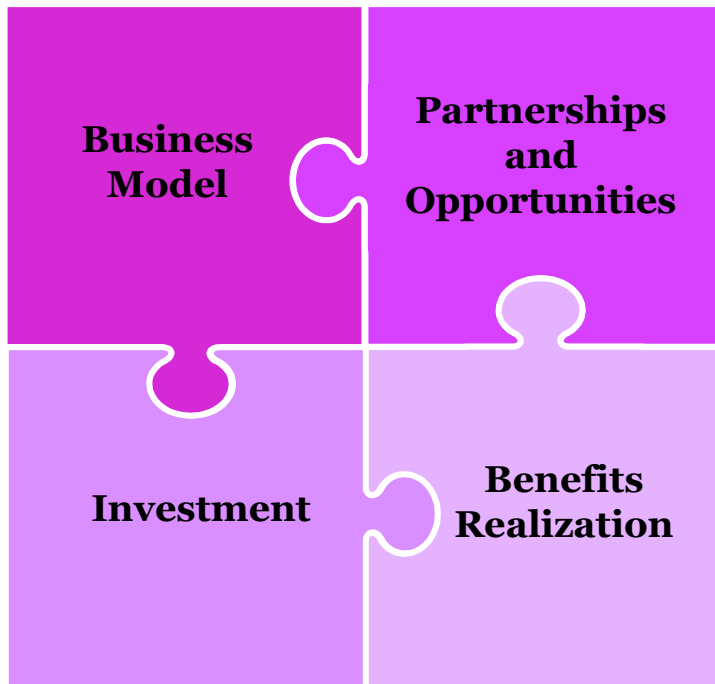


Citizen-centered

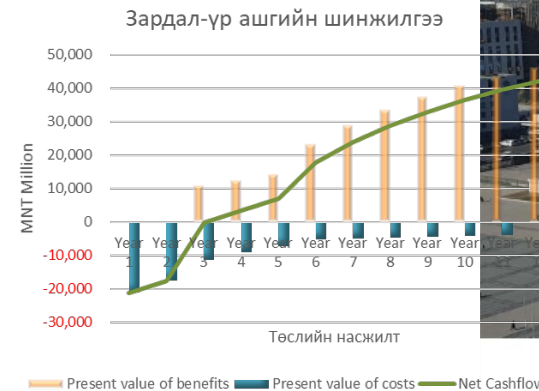


Availability

SP3 Financial



- National Spatial Data Infrastructure for Mongolia: Socio Economic Impact Analysis
- Investment plan



KWPF KOREA-WORLD BANK PARTNERSHIP FACILITY

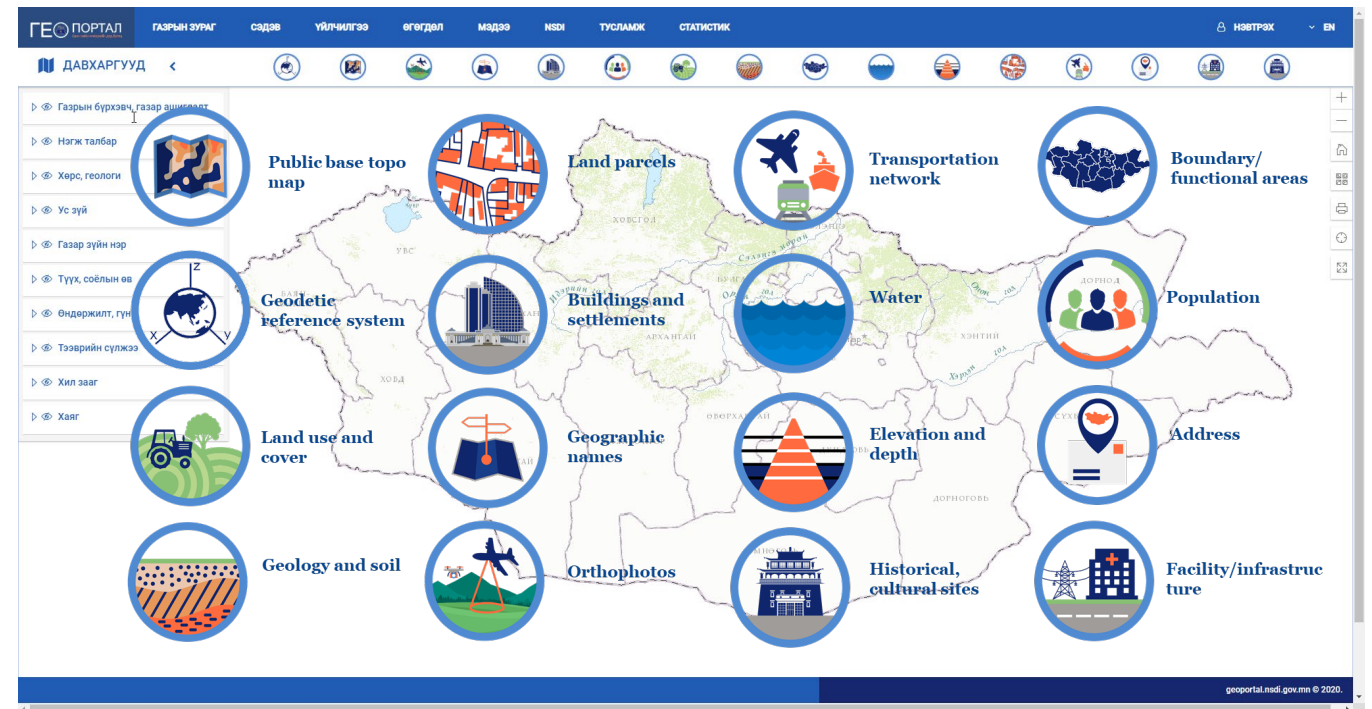
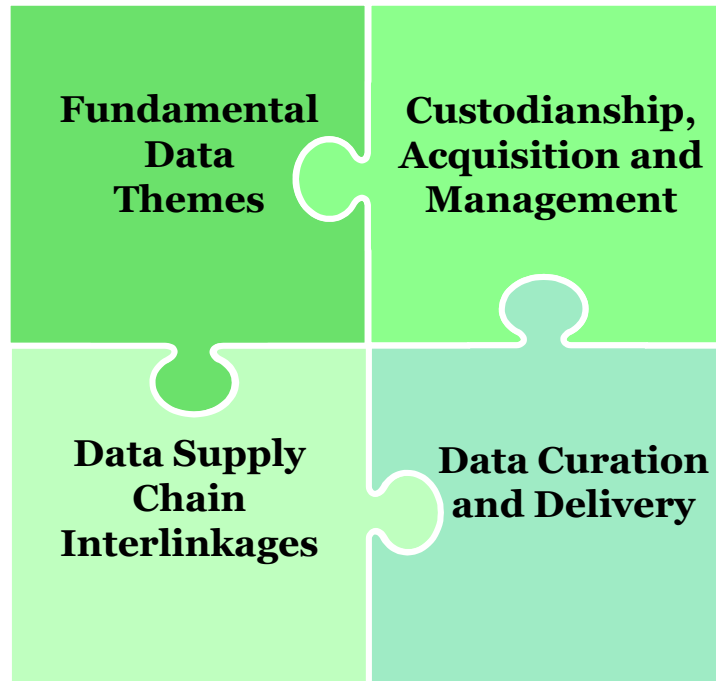
WORLD BANK GROUP

Infrastructure for Mongolia: Socio Economic Impact Analysis 2020

SP4 DATA

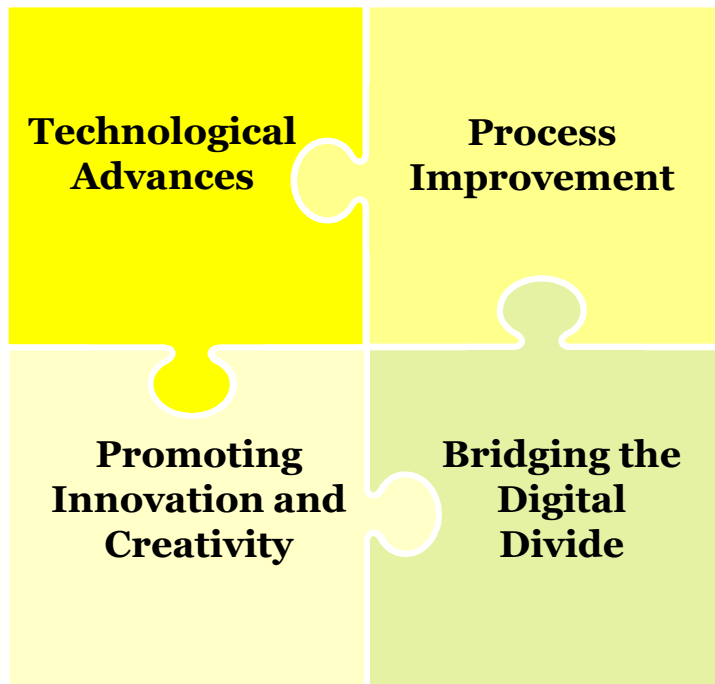


Fundamental Geospatial Data Service via GEOPORTAL
geoportal.nsd.gov.mn

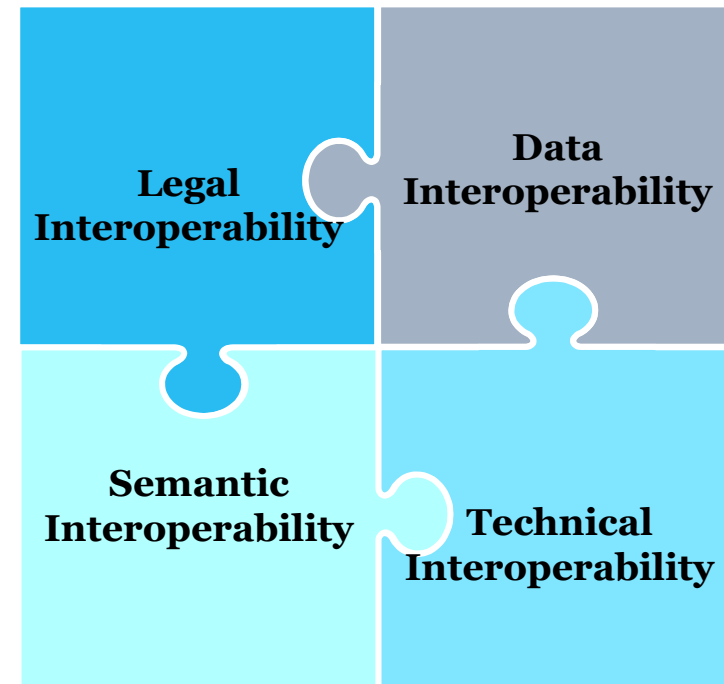


16 fundamental theme /more than 250 subtheme/
Management
Geoportal

SP5 **innovation** SP6 **Standards**



Geo-enabled Digital transformation
E-Mongolia -> GeoMongolia
Egovernance -> GeoGovernance
OpenGov -> OpenAPI

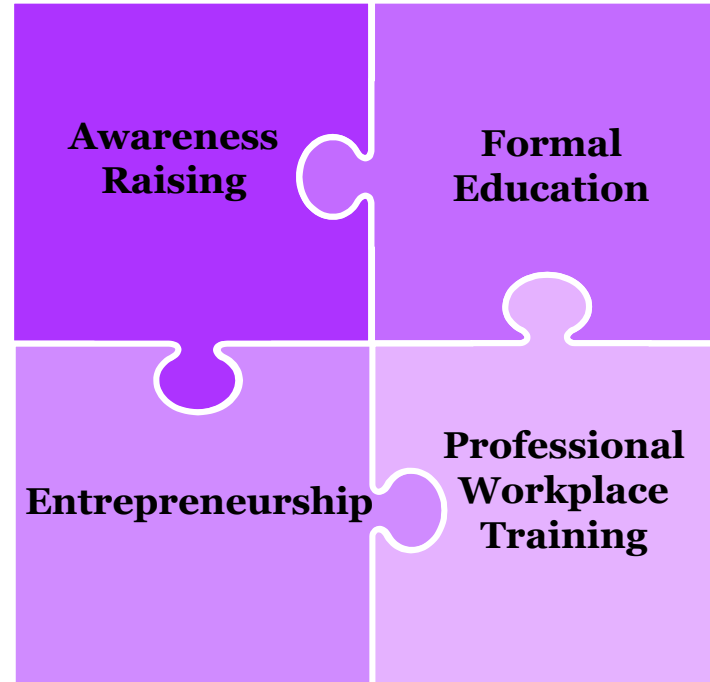


Adopt ISOTC211 Standards
Data Specification on Fundamental data
theme
Interoperability

SP7 Partnership



SP8 Capacity and education



SP9 Com. and engagement



7 **Partnerships**

- Strengthen and Formalize Partnerships within Mongolia
- International Collaboration

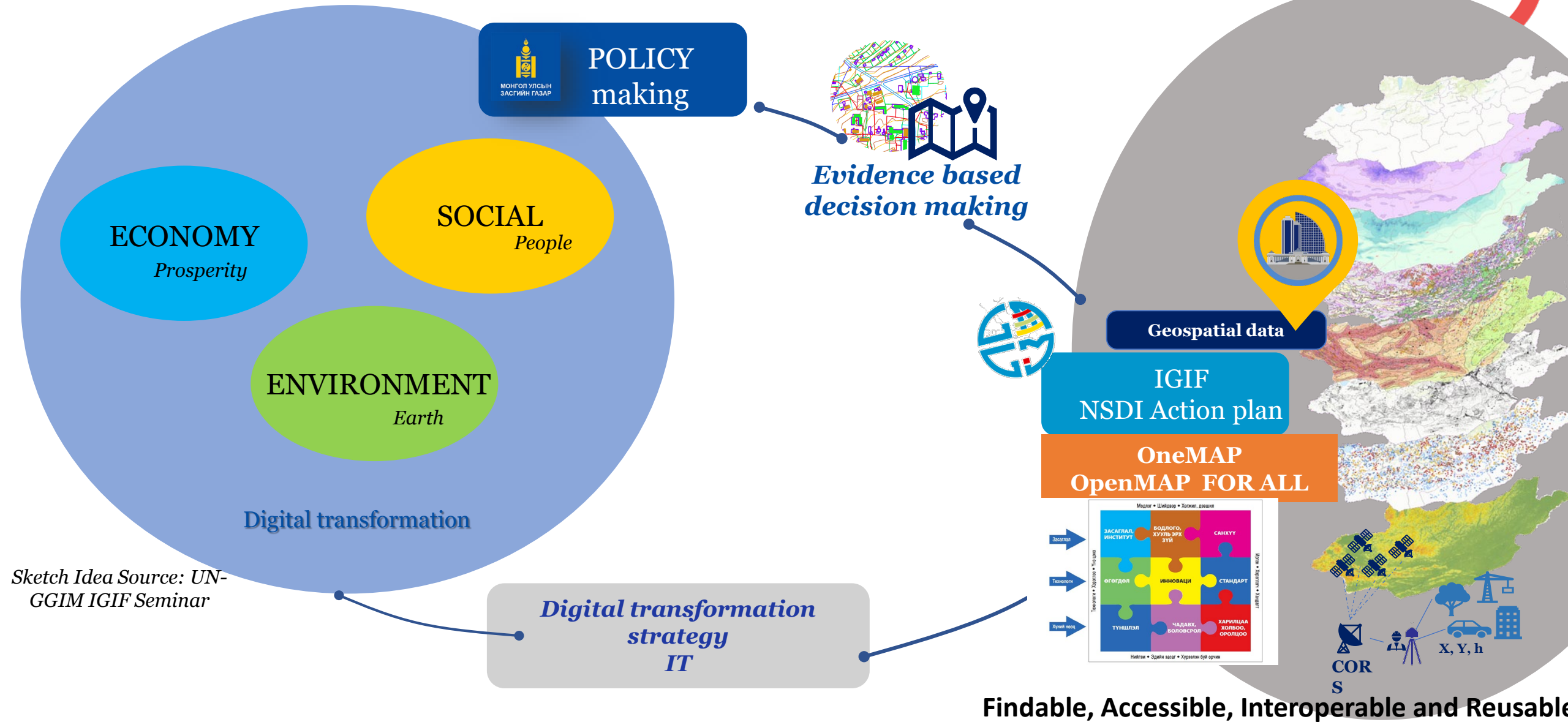
8 **Capacity and Education**

- Develop an NSDI Capacity Building and Education Strategy
- Conduct an NSDI Skills Gap Analysis
- Enhance Capabilities in Tertiary Level Education
- Enhance Teaching and Awareness of Geospatial Information School Curricula

9 **Communication and Engagement**

- Develop an NSDI Communication and Engagement Strategy and Plan
- Create Outreach Group (High Priority)

NSDI Action plan is for Geo-enabled Digital transformation in Mongolia





Thank you for your kind attention

