

DEPARTMENT OF SURVEY, MAPPING AND GEOINFORMATION OF VIET NAM



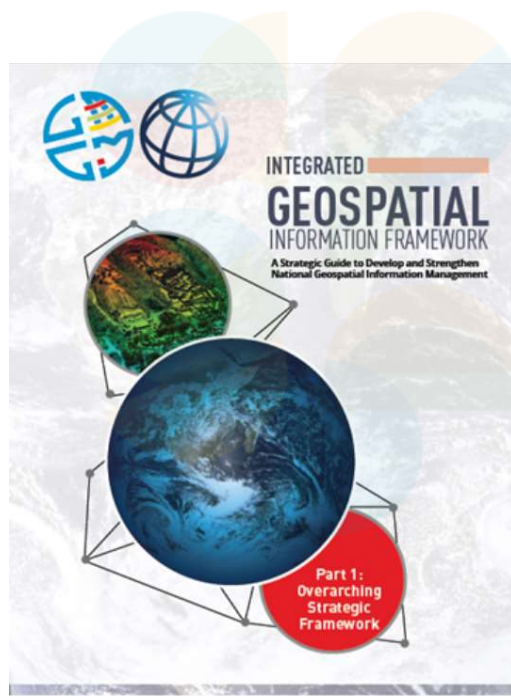
# Integrated Geospatial Information Framework of Vietnam

ASIA PACIFIC  
GEOSPATIAL FORUM

**Do Thi Thu Thuy**  
**Bali, 08 November 2023**

# Integrated Geospatial Information Framework (IGIF)

Announced by UN-GGIM in August 2018



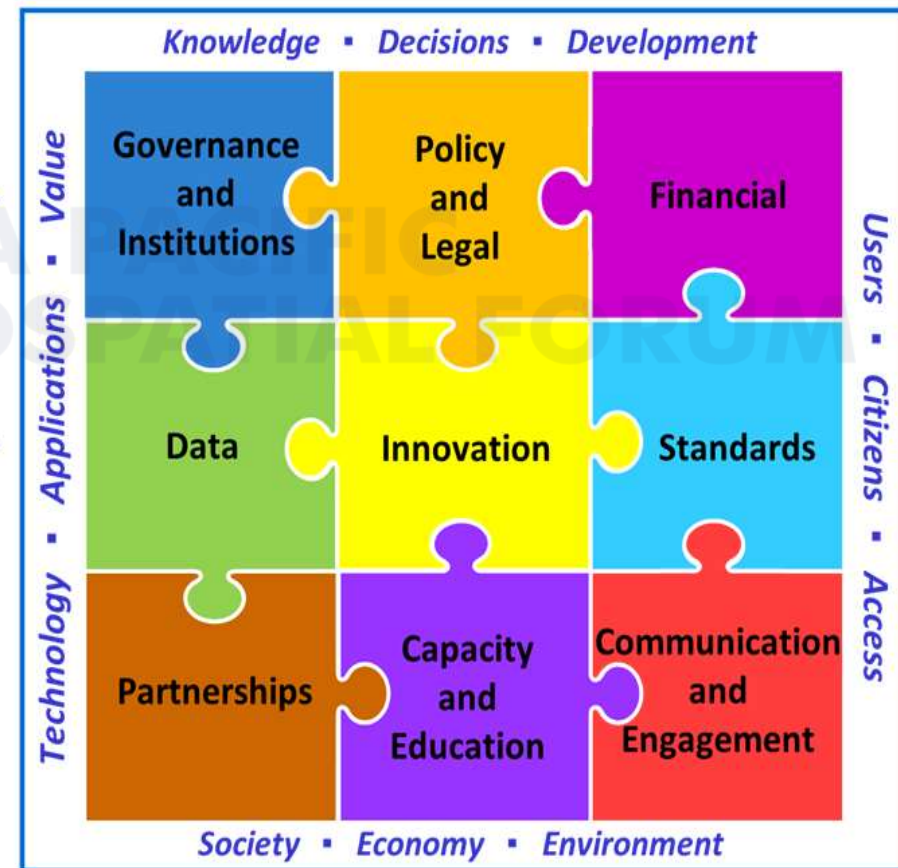
Governance



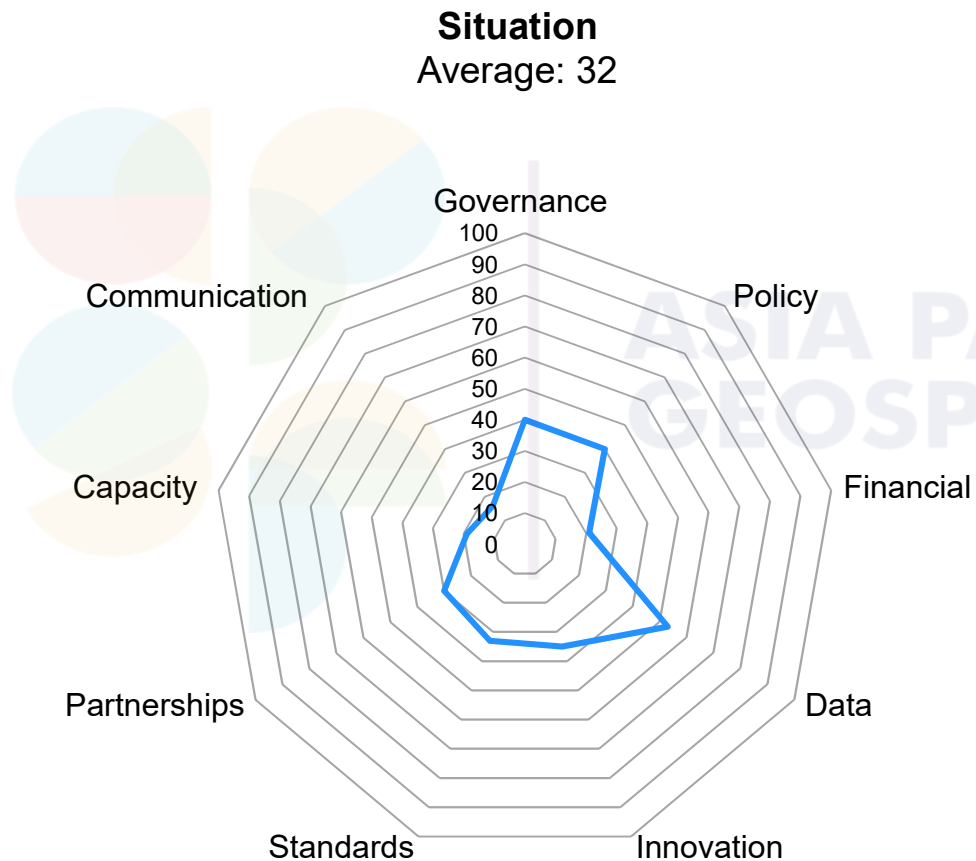
Technology



People



# Viet Nam: Assessment of IGIF



- Using Tool Assessment of IGIF to assess NSDI in Vietnam
- Some good Components: Data (53), Governance (40), policy (40).
- Some not good components: partnership, (30), financial (21), Capacity (19) and Communication (16).

# Legal frame

## Law on Survey and Mapping

- approved in **June 2018**.
- Scope application:



Basic survey and mapping activities; specialized survey and mapping activities; quality of survey and mapping products; geodetic infrastructure; information, data, survey and mapping products; national geospatial data spatial infrastructure;

# Legal frame

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## **Chapter 4 Section 2 regulates NSDI.**

- Regulations on building of NSDI and the responsibility of the agencies under the Government in building NSDI.
- Regulations on components of NSDI, including frame geospatial data and specialized data.
- Regulations on geographic data services.
- Regulations on the use of geographic data.
- Provisions on National geo-portal.

# Legal frame

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## **Degree on Survey and Mapping in 2021.**

- Regulations on building of NSDI and the responsibility of the agencies under the Government in building NSDI.
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- Regulations on geographic data services.
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- Provisions on National geo-portal.

## **Strategy of Survey Mapping and NSDI development from 2025 – 2030 and Vision 2045**

## **ISO TC 211**

### **NATIONAL TECHNICAL REGULATION ON STANDARD OF GEO- SPATIAL DATA**



**Technical  
regulations on  
updating of  
geographic  
database**

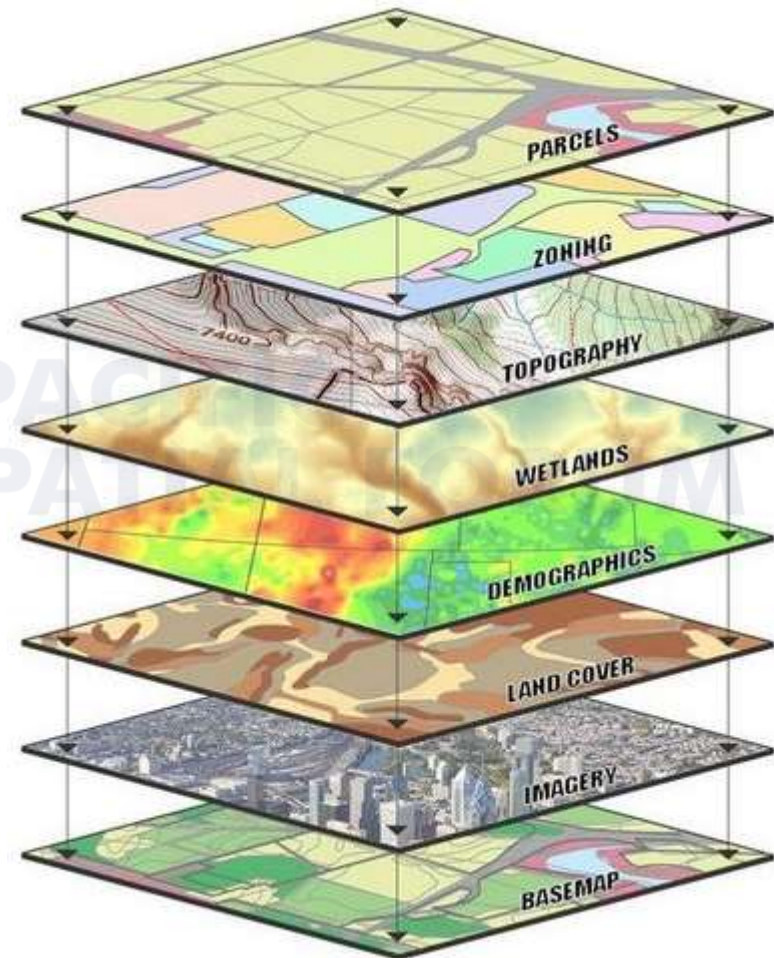
**Technical  
regulations on  
geographic  
database**

**Technical  
regulations on  
establishment  
of national  
topographic  
map**



# Geospatial Data

- Geo-database and topographical map at scale 1:2,000 and 1:5,000 on urban areas and focal economic zones.
- Geo-database and topographical map covered whole country at scale 1:10,000; 1: 25.000; 1:50.000; 1: 250.000; 1:500.000 and 1:1.000.000





# National IGIF report – the challenges

- **The funding for long-term and initial**
- Đầu tư ban đầu để thiết lập NSDI và nguồn vốn dài hạn không được bảo đảm
  - Chi phí và lợi ích của việc thành lập NSDI chưa được biết
  - Cả hai khía cạnh cần được giải quyết trong Chiến lược NSDI
- **Capacities**
  - Lack of high quality human resources in NSDI.
  - No assessment of human resources needs – National level and local level.
- **Communication**
  - Have to improve the benefits of NSDI for making decision.
  - Exchange information with relevant parties involve NSDI.

# National IGIF report – the challenges

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- **Data Sharing**

- Few Ministries would like to provide the data to NSDI
- Have the sharing data policies but it is difficult to implement

- **Partnership**

- Partnership between government, academy and private sectors is weak and lack of cooperation.
- The benefits of data sharing have not been clearly.



**THANK YOU FOR YOUR  
ATTENTION!**

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