

Operationalizing the IGIF

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Strategic Partnership: World Bank GSURR – UNSD Agreement “Bridging the Geospatial Digital Divide”: Three Key Goals



1. **Develop an overarching Geospatial Framework** for countries to reference when developing their national and sub-national spatial data infrastructures (SDIs).
2. Assist countries to **prepare and implement Country-level Action Plans** to operationalize the Geospatial Framework
3. Provide funding to **implement the Action Plans**



Why A Globally Endorsed Geospatial Framework is Needed

- **Economies are changing....**
 - **E-government**
 - **E-service**
 - **E-commerce**
 - **Smart cities, self driving cars, Amazon, Uber, ..etc.**
- **Many of these functions/applications are based on location based databases (Geospatial)**
- **There is big divide between developing and developed countries**
- **Governments play an enabling role for the development of Geospatial Infrastructure at the National and Local levels**



Operationalizing the IGIF

Operationalize the Geospatial Information Framework will be done through country level Action Plans by *linking to government national priorities, as is analysis, identification of priorities and investment needs, analysis of socio-economic benefits and identifying financing for implementation.*

The World Bank Technical Assistance and Financing of NSDI: Experience from the Eastern Europe and Central Asia Region

Framework: EU INSPIRE Directive provided the Framework umbrella for project support and investment rationale

Business Drivers:

EU INSPIRE: Environmental protection

Country Level: Post-1990s land reform/land market development

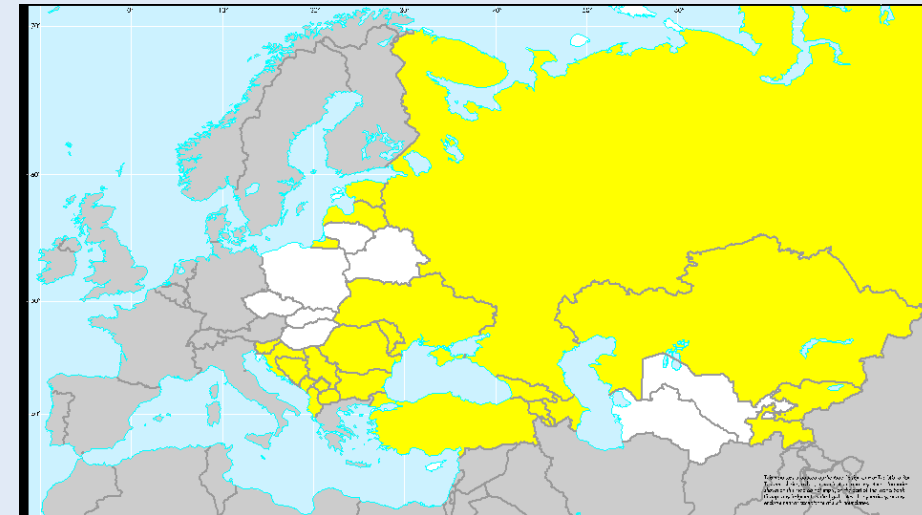
Phases of ECA Region Land Administration Projects:

1990s: land privatization, reforming cadastre agency

2000s: digitize land records, land information systems

2010s: system interoperability and e-services as foundation of NSDI

Currently 60% of land/geospatial unit project financing is for ICT systems, digital data and NSDI: long term, sequenced investment needed



1998-2018:
40+ projects in 30 countries
over \$1.2 billion investment

With the approval of the IGIF, Now it is the time to scale this globally

How?

- 1. Analytical Tools**
- 2. Technical Assistance**
- 3. Financing Options**

Analytical Tools

- **Complete the Implementation Guide for the IGIF**
- **Adopt the Diagnostic tool developed by the World Bank to the IGIF**
- **Develop training material including e-learning to apply the IGIF at the country and local levels**
- **Further develop the economic analysis methodology**

Technical Assistance

- **Assist countries to apply the IGIF at the country and local levels**
- **Actions plans already prepared for:**
 - **Palestine**
 - **Tirana Albania**
- **We are in discussion with several countries to support the preparation of IGIF Action Plans including: Vietnam, Guyana, Liberia, Indonesia**
- **We are securing more funds to assist more countries to prepare action plans**

Financing

- **Once Action Plan is prepared and endorsed by government, Bank will be prepared to finance implementation through project financing:**
- **Financing will include various activities:**
 - **Development of geodetic reference framework**
 - **Financing of CORs (permanent GPS base stations)**
 - **Collection of fundamental data**
 - **Establishment of Geoportal**
 - **Financing of equipment, computers, systems, ...etc**
 - **Training and Capacity building**
 - **Supporting in drafting laws and regulations**

Steps from Government Side

- **Responsible Agency for Geospatial Information Infrastructure need to send a request to Bank through Ministry of Finance/Ministry of Planning**
- **Once a request formally received, Bank will send a team of experts to work with governments to prepare the action plan**
- **Once action plan is prepared and approved by government, Bank usually start the process of project preparation that will provide financing for implementation.**

Let's be ambitious.. And have big plans.. To support at least 30 countries over the next 3 years

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