Operationalizing the IGIF

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“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
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
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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