

Integrated Geospatial Information Framework

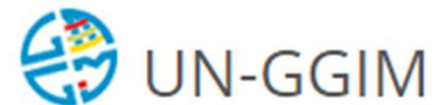
Agenda 4a: Financing IGIF Country Level Implementation

Agenda 6: Learning Materials and References

April, 2022



Kathrine Kelm
Urban, Resilience and Land Global Practise



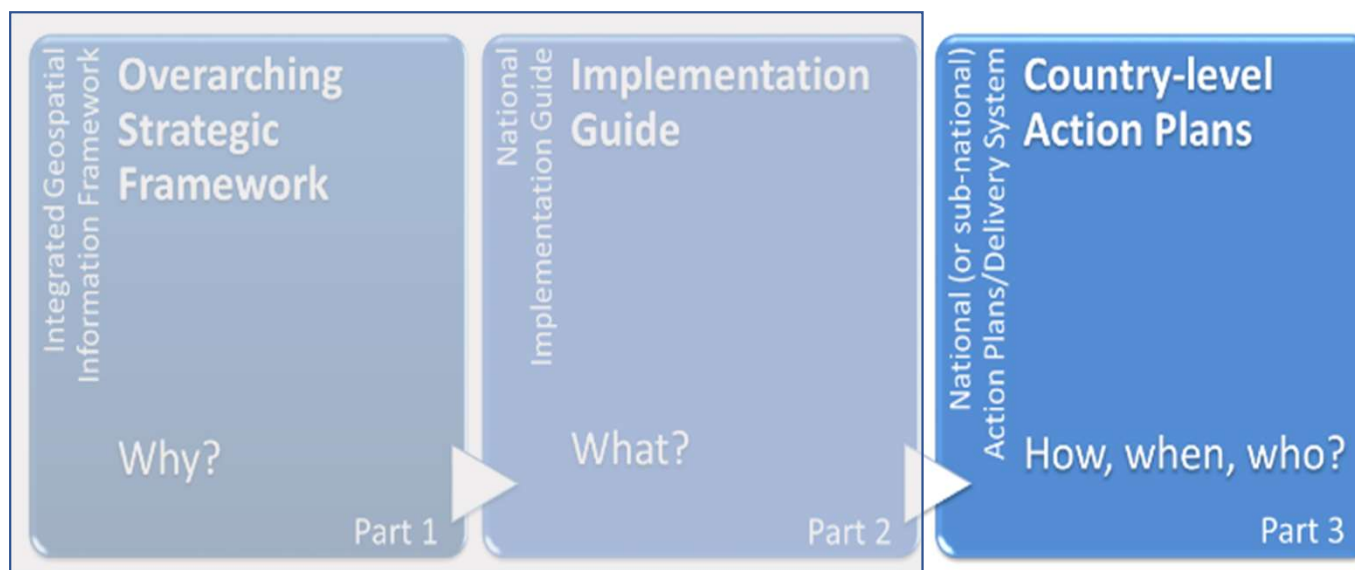
World Bank IGF Implementation Methodology

Country-level Action and Investment Plans
Link to Financing

IGIF : World Bank focus on Country Level Implementation

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- **Part 1:** Overarching Strategic Framework
- **Part 2:** Implementation Guide
- **Part 3: Country-level Action** provides the ‘how, when and who’ approach, this document assists countries to prepare and implement their own country-level Action Plans.

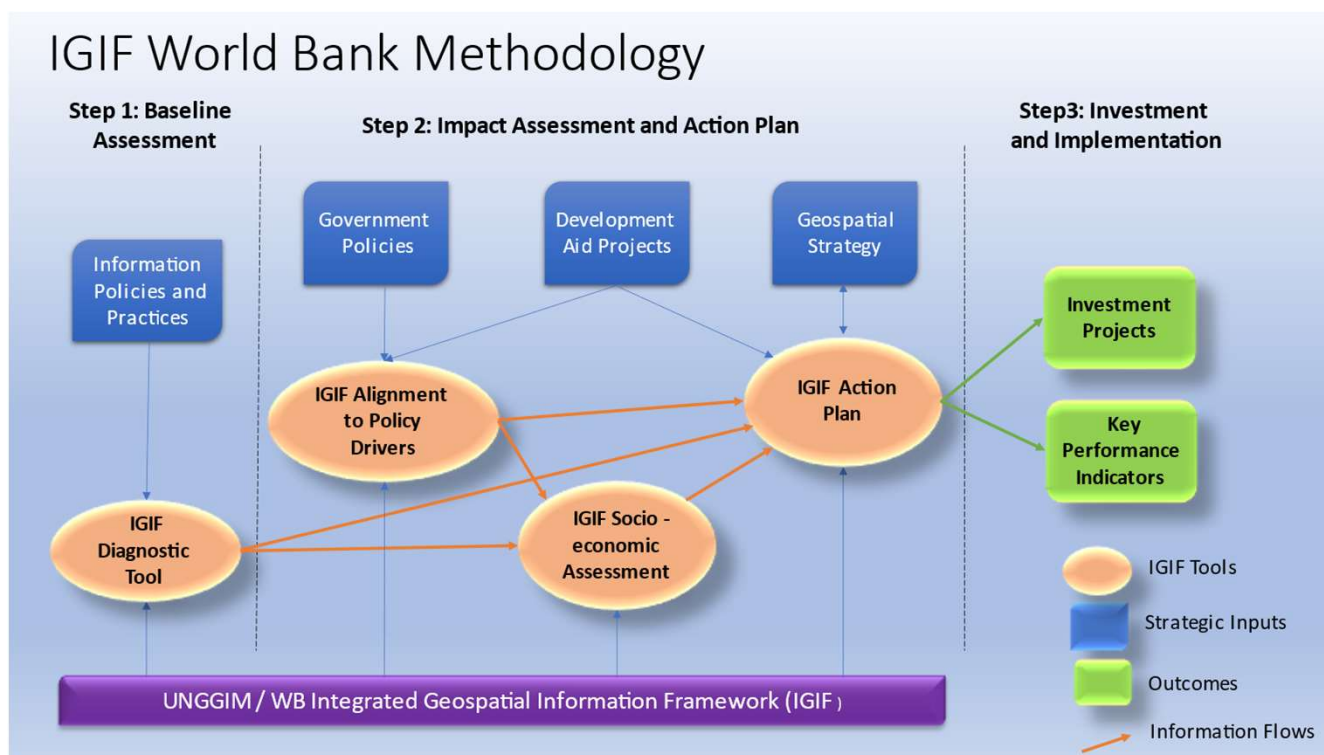


World Bank IGIF Implementation Methodology: 2017-2022

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The World Bank Group has established an IGIF Implementation Methodology and corresponding analytical toolkit to support the use of the IGIF:

- **Incrementally strengthen geospatial information management** - customized to specific countries and priorities
- **Link to financing:** based on analytics, using standard WBG infrastructure model



The diagram shows the analytical tools (in orange), key inputs (in blue), the IGIF in purple, outcomes (in green). Arrows show the different types of information flows.

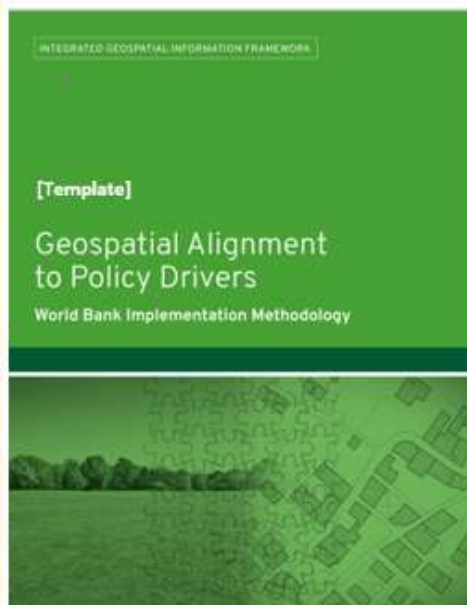
World Bank IGIF Templates

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•Diagnostic/Baseline Assessment



Business case -Alignment to Policy/ Business Drivers -Socio-Economic Impact Assessment



Action/Investment Plan



The templates are available [here](#)



Baseline Diagnostic Tool

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IGIF Baseline Diagnostic Tool (DT) and Assessment Template provide an assessment of the “as is” position of geospatial information management, structured around the nine IGIF pathways

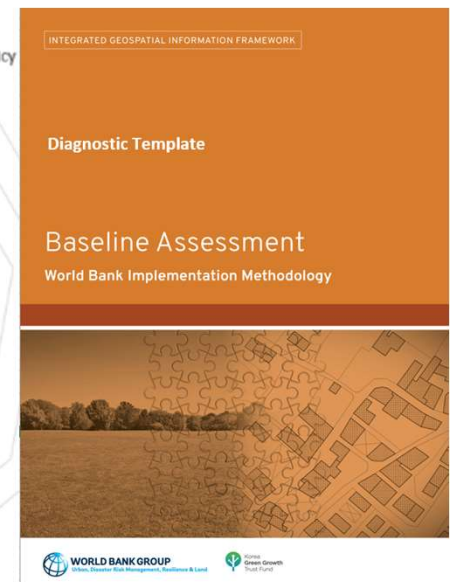
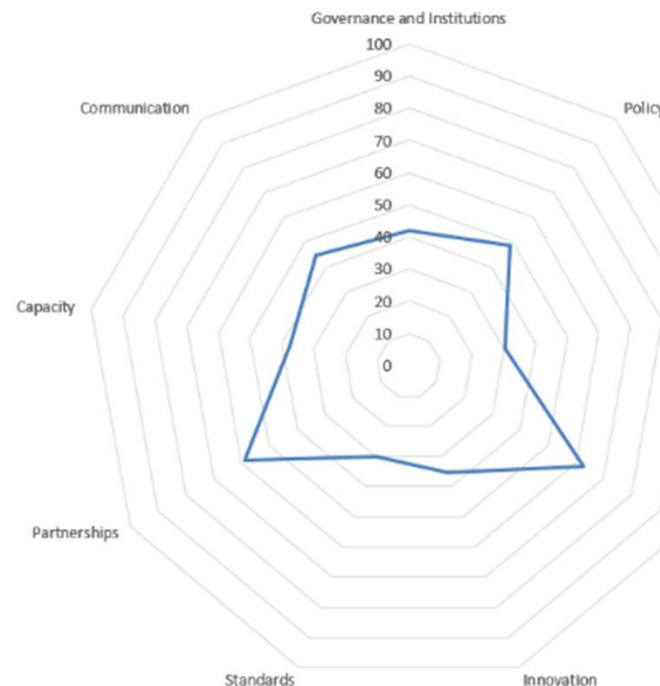
The DT is applicable to **any geographical entity including city, region and country levels.**

Used to engage stakeholders through a consultation and verification workshop

The Baseline Assessment Diagnostic Tool Template is available for download [here](#):



The Baseline Assessment Report Template is available for download [here](#).



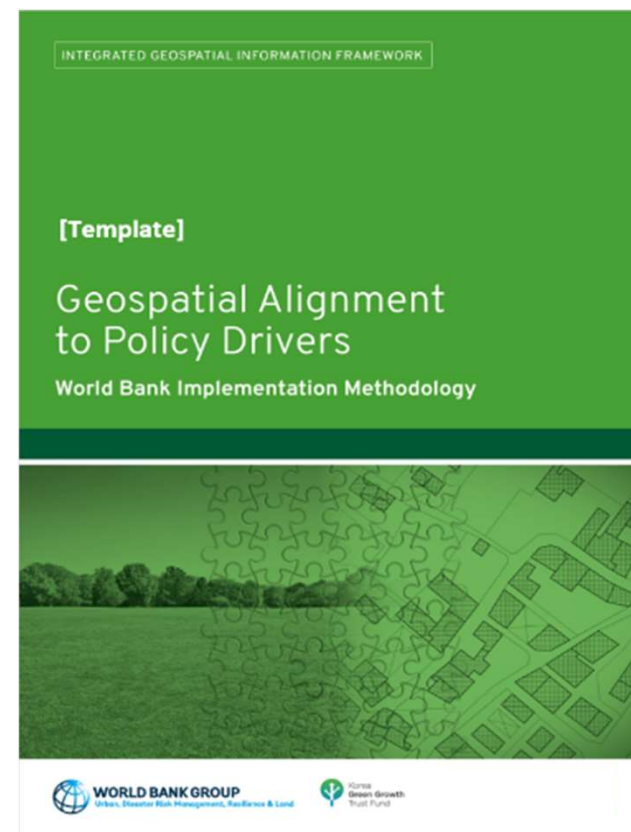
Geospatial Alignment to Policy Drivers

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Geospatial Alignment to Policy Drivers Template is used to align the Government's strategic objectives and international commitments to specific spatial use cases (applications) and then prioritizes them based on how well they support and accelerate achieving these strategic objectives.

This work is **key for communications and awareness raising with decision makers.**

The Geospatial Alignment to Policy Drivers Template is available for download [here](#).

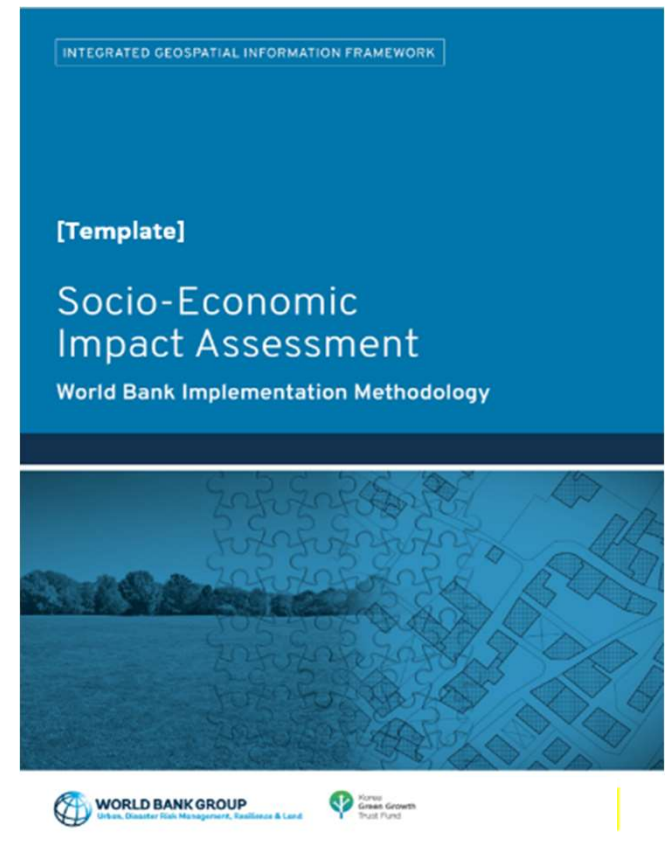


Socio-Economic Impact Assessment

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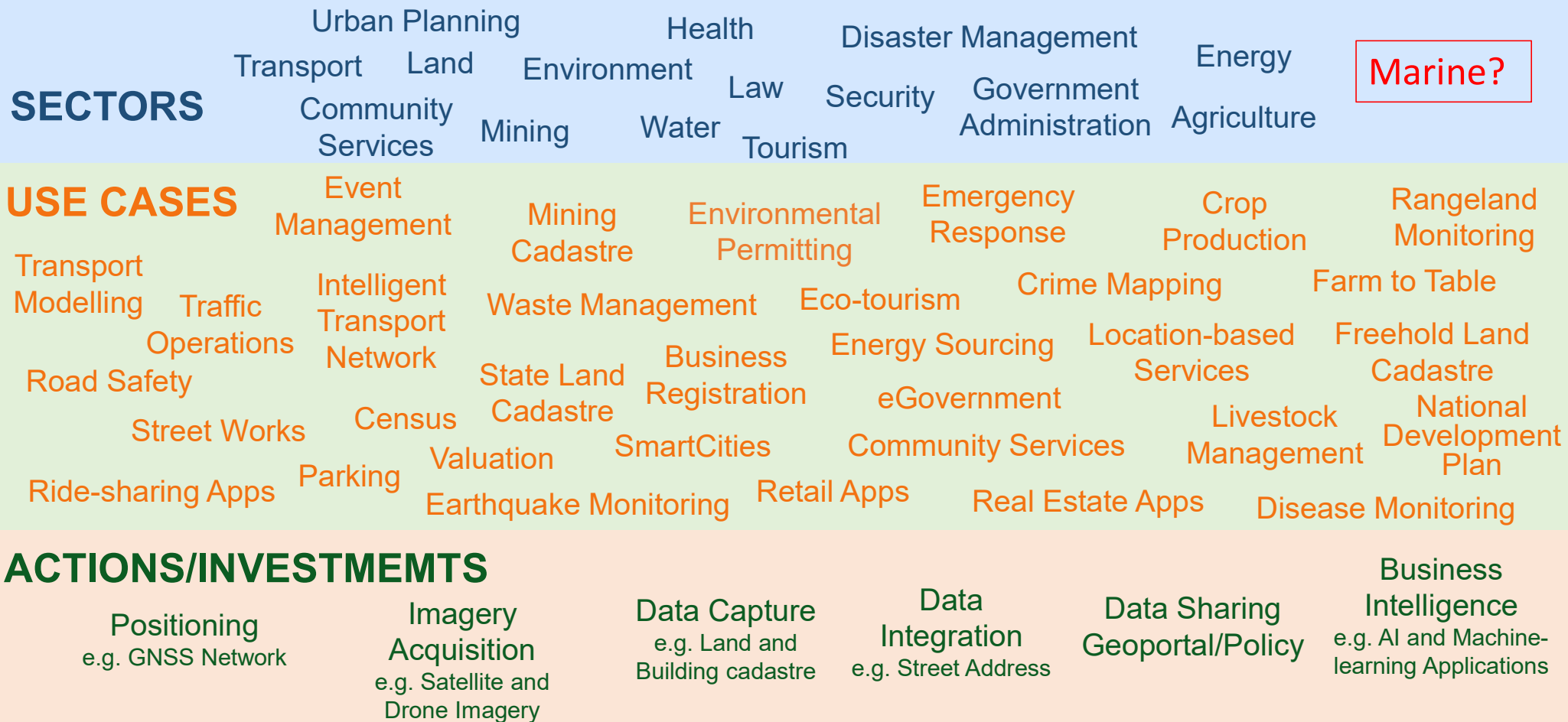
Socio-economic Impact Assessment Template delivers an assessment of the socio-economic business case for investment in an SDI from both qualitative and quantitative perspectives. It is informed by the outputs from the two tools outlined above.

The Socio-economic Impact Assessment Template is available for download [here](#).



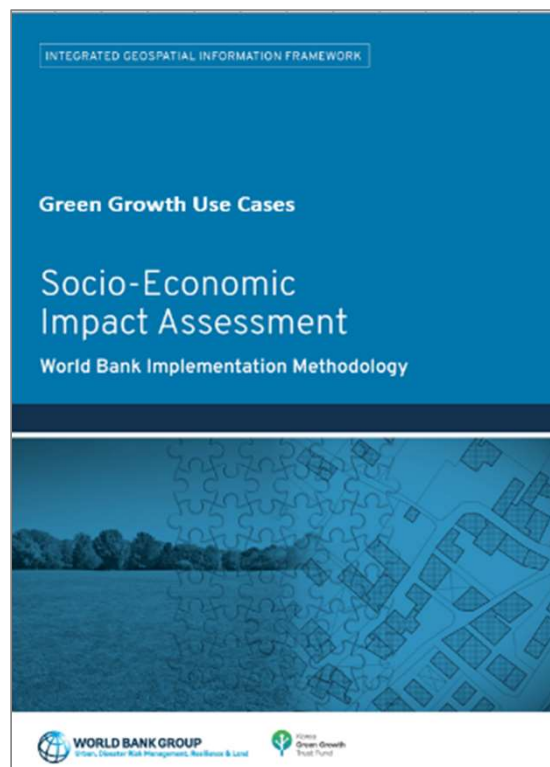
BENEFITS: SECTORS, USE CASES, ACTIONS

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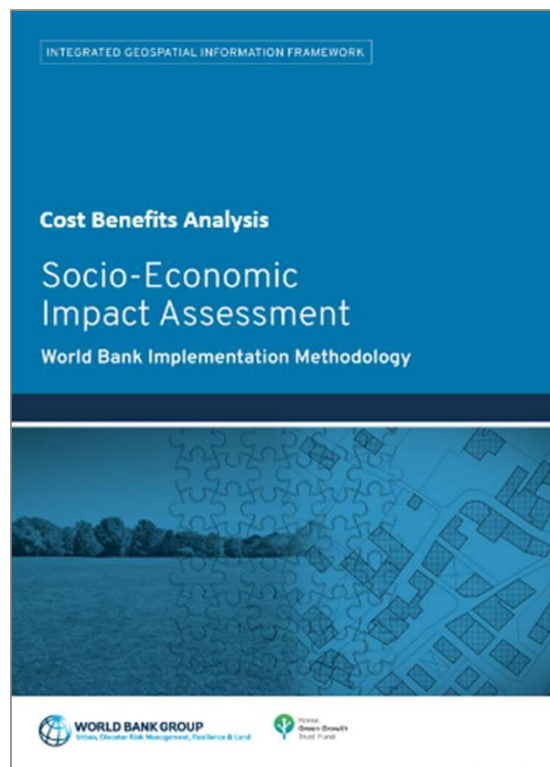


Additional Tools for the Socio-economic Impact Assessment

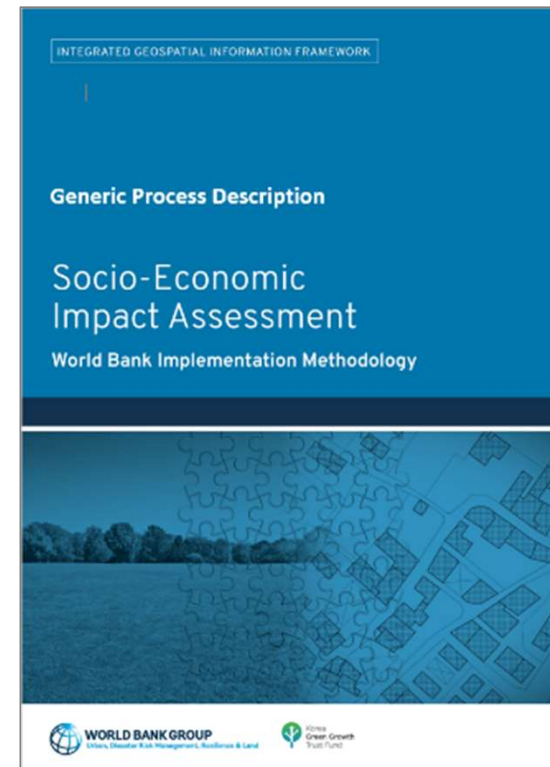
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Green Growth Use Cases 



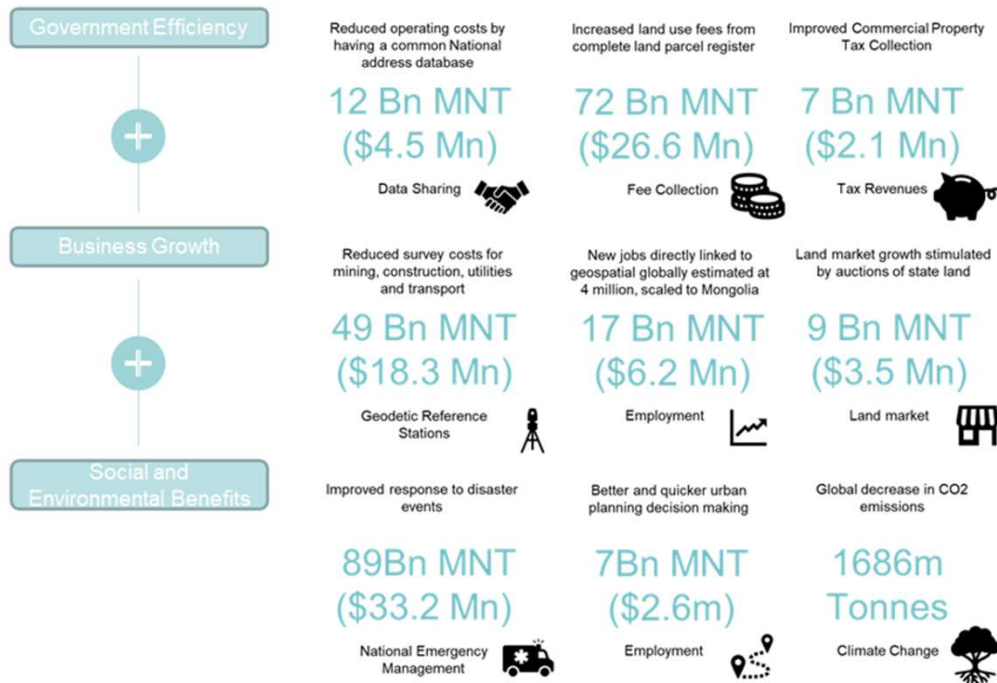
Cost Benefits Analysis 



Generic Process Description 

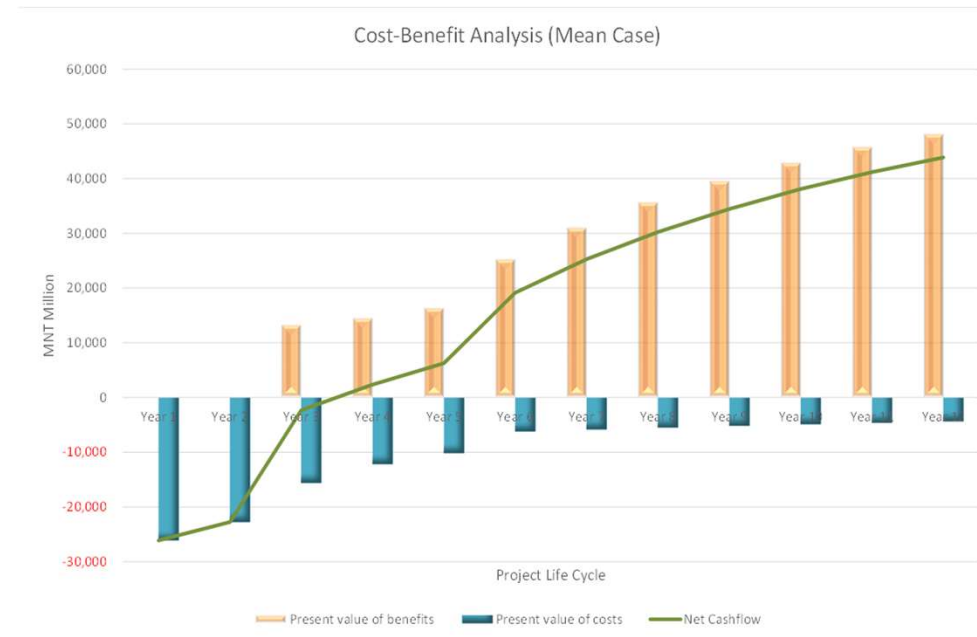
Socio-Economic Impact Assessment: Financing Justification

Benefit to Cost Ratio: 2.5: 1
Return on Investment: 250%
Net Present Value: US\$ 66,1 million



World Bank Infrastructure Project Model:

- Project Life Cycle:
5 years development
7 years operation
- Discount Rate: 6%

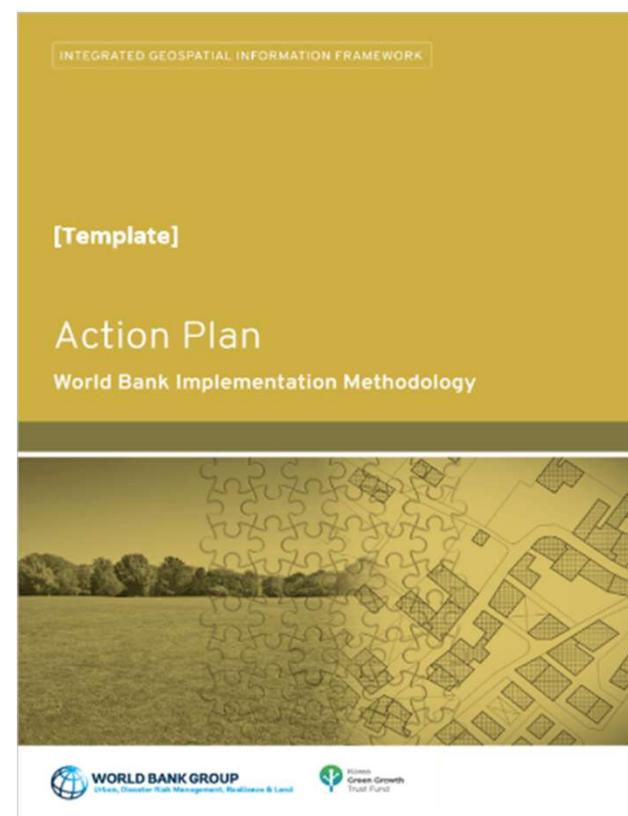


Country-level Action Plan

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Country-level Action Plan template outlines the actions and investments in a sequenced and structured manner. It builds on the previous deliverables to create or update a high-level geospatial strategy and a corresponding costed roadmap for SDI enhancements, presented as a series of interdependent policy interventions and implementation projects.

The Country-level Action Plan Template is available for download [here](#).



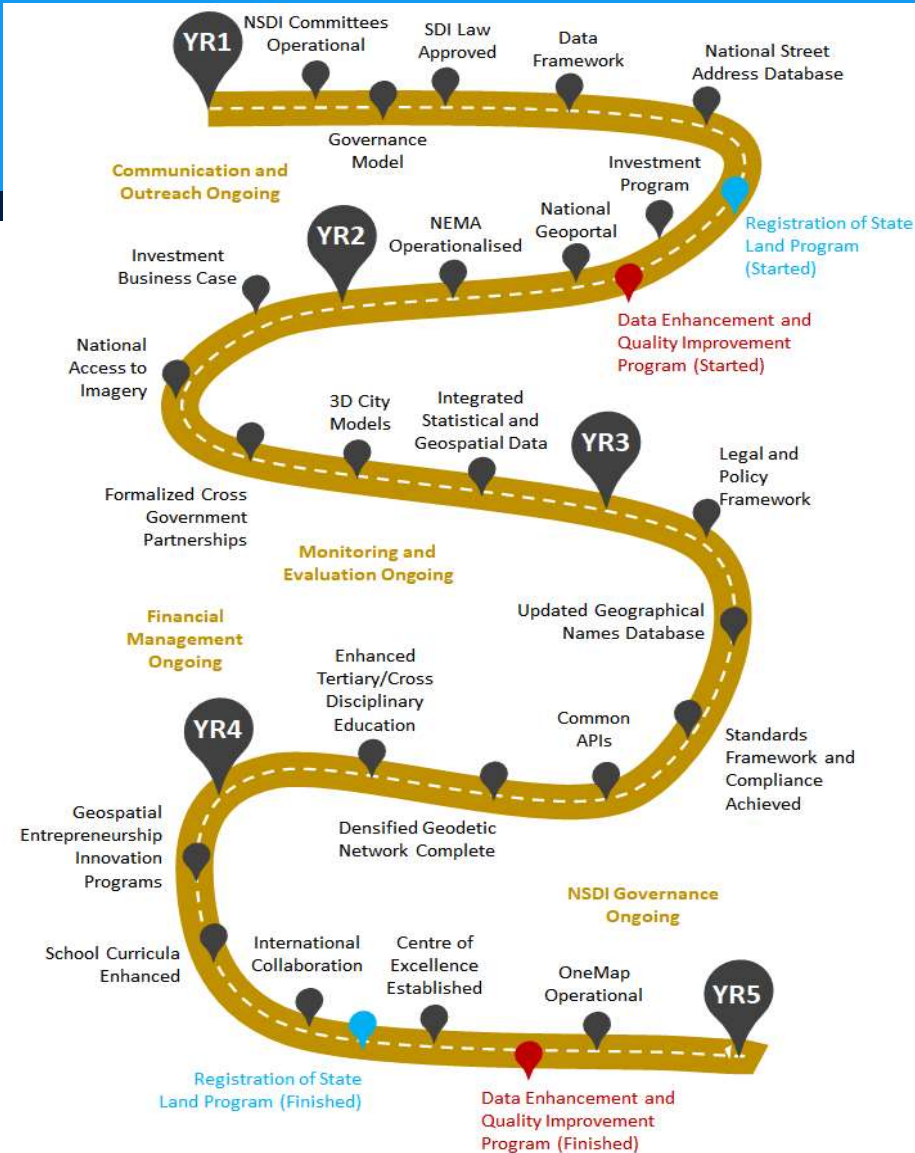
IGIF Action/Investment Plan: Mongolia

National Spatial Data Infrastructure

A Strategy for Geo-driven Digital Transformation and Innovation in Mongolia
2020-2025

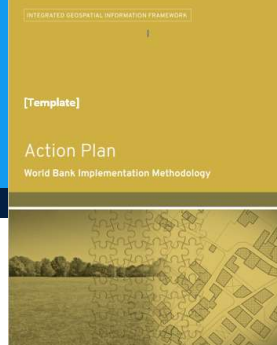
Vision: Geo-driven eGovernment and innovation that empowers efficient and effective use of geospatial information towards national sustainable development and economic growth.

Potential financing through the new WB- financed Digital Development Project: Delivery 2022



IGIF Implementation Guide

Action Plan Includes Priority Investments

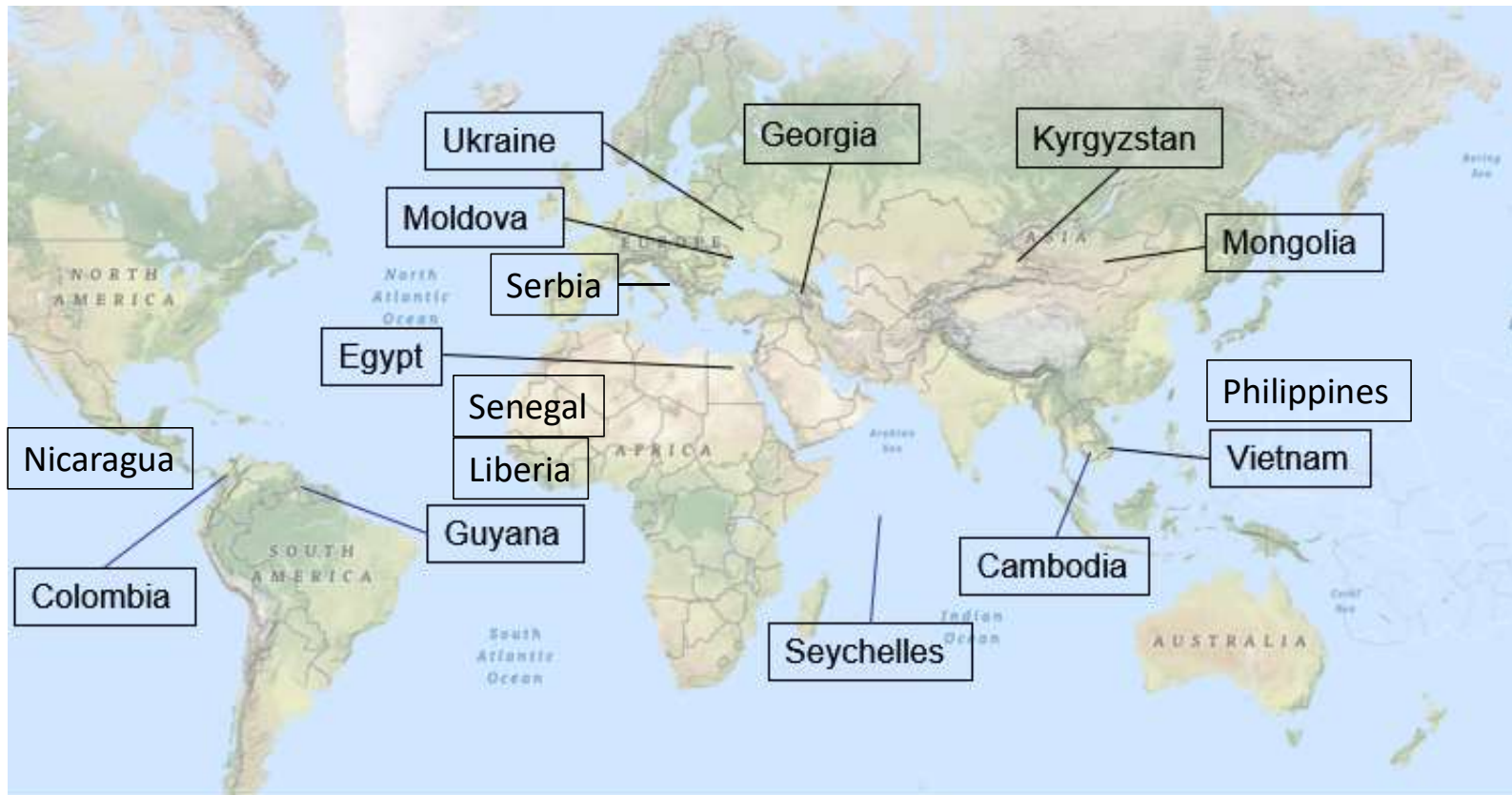


Example from Colombia IGIF Action Plan

Task Type					Financial			Time				
Ref		IGIF Pathway	Priority	Description	Total Investment (US\$)	Capital or Recurrent	Funding Source	Year 1	Year 2	Year 3	Year 4	Year 5
		Financial										
3.1	Create an NSDI Business Model		Med		35,000	C	WB					
4.1	Create inventory of existing data	Data	High	See also overlap with 6.3	30,000	C	WB					
4.2	Train and Guide data owners to complete metadata		High		50,000	C	Gov					
4.3	Define fundamental dataset & custodians		High	Consultancy advised	50,000	C	Gov					
4.4	Invest in data themes, prioritised to demand		High	Depending on theme and demand								
	Cadastral Parcels - MPC		High	MPC Subcomponent 3.2	19,500,00	C	WB					
	Functional Areas		High	Consultancy advised	500,000	C and R						
	BaseMap		High	Consultancy advised	500,000	C and R						
	Address Database		Med	Consultancy advised	500,000	C and R						
	Security / Safety		High	Consultancy advised	50,000	C and R						
4.5	Create digital archive of historical data and imagery		Low	Could be a PPP	500,000	C and R						
		Innovation										
5.1	Ensure real time GNSS corrections are available		High	System testing	20,000	C						
5.2	Evaluate imagery for updated topographic base maps		High		20,000	C						
5.3	Develop a Geospatial Centre of Excellence (CoE)		Med	Assumes Head, 2 x trainers	250,000	C and R						
5.4	Assess Geospatial Innovation start-up scheme		Med		20,000	C						
5.5	Improve access to key registers	Demonstrator	Med		50,000	C						

IGIF COUNTRY LEVEL IMPLEMENTATION

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Kartverket

 Food and Agriculture Organization
of the United Nations

Recent Country IGIF Examples - Moldova

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Norwegian Kartverket funded IGIF review using WB methodology
World Bank financing implementation



4 Countries:
Georgia
Kyrgyz Republic
Moldova
Ukraine

The documents are available [here](#)



Financing IGIF Implementation: World Bank Project Cycle

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Easiest and 'immediate': Add in to or Guide existing projects

- Land Administration: Colombia, Moldova, Guyana, Serbia
- Disaster Risk Management: Seychelles

Projects in the Pipeline (12-24 months)

- Cambodia: national (solid waste mgmt project); sub-national (Phnom Penh urban dev.)
- Nicaragua: land administration
- Liberia (analytics under existing land project; new financing under urban project)
 - * Swedish Grad student introduced via Landmateriet leading IGIF Diagnostic in coord. with Liberia Land Authority and WB urban/land team
- Mongolia: Digital Development project – IGIF reference in Project Appraisal Document

New Financing: 18+ months

- Most projects start with analytics (IGIF tools/Templates provide basis)
 - Senegal

World Bank Online Learning and Webinars for IGIF Implementation

IGIF Self-paced Online Learning
Virtual Knowledge Exchange Series 1
Virtual Knowledge Exchange Series 2

For further information regarding this PowerPoint and associated World Bank Templates, please contact:

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