



WIDE International SDI Chile Conference

Gobierno de Chile

Global Impact of the Integrated Geospatial Information Framework (IGIF)

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Positioning geospatial information to address global challenges



United Nations Committee of Experts on Global Geospatial Information Management

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- IGIF empowering countries to address development challenges

Nations Face Serious Challenges

Natural Resources

Economic Development Disasters

Wealth and Poverty

Human Health

Urbanization

Social Conflict

Climate Change

Crime

Loss of Nature Water

Inequality

Energy Population Growth

Food



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"Everything happens somewhere..."

Nancy Tosta, June 2001

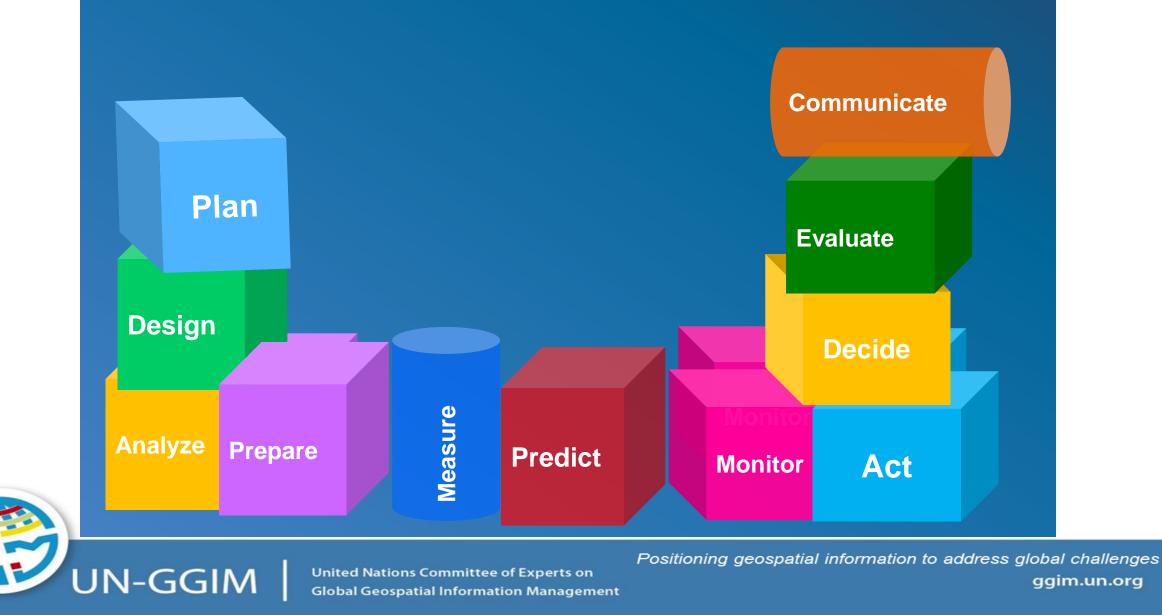


Positioning geospatial information to address global challenges

United Nations Secretariat Global Geospatial Information Management

UN-GGIM

GIS a Platform for Action



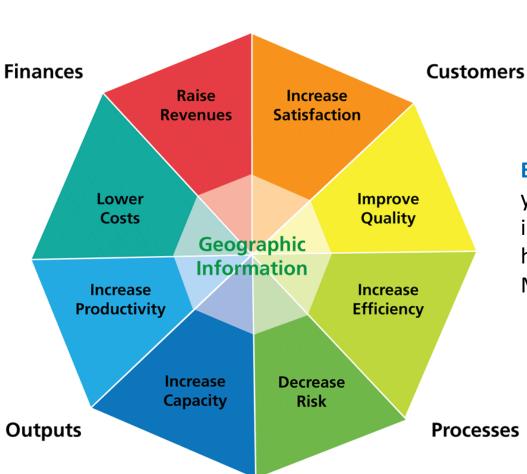
GI and Tools – an enabler

Bahrain improves planning, achieved 75% reduction in service delivery times and 60% reduction in data creation and maintenance costs

Algiers - Improved management of water supply and draining

Netherlands - excavators to get accurate information on the underground-situation and helps prevent damage to cables and pipe lines; saves costs and increases efficiency.

N-GGIM



Benefits Spectrum

Ecuador- SDI facilitates emergency response, earthquake

Brazil's "crime maps" and tools yields 10% reduction in police incidents and 13% reduction in homicides in May 2012 compared to May 2011.

India plans its rural road core network, and ensures investment made at the right places

United Nations Committee of Experts on Global Geospatial Information Management

A Global Geospatial Mandate

At its 47th plenary in July 2011, ECOSOC, recognizing the importance of global geospatial information, established the **Committee of Experts on Global Geospatial Information Management (UN-GGIM)**, and:

- Requested the Committee to present to ECOSOC in 2016 a comprehensive review of all aspects of its work and operations, in order to allow Member States to assess its effectiveness.
- Encouraged Member States to hold regular highlevel, multi-stakeholder discussions on global geospatial information, including through the convening of global forums, with a view to promoting a comprehensive dialogue with all relevant actors and bodies.

Resolution

2011/24

Committee of Experts on Global Geospatial Information Management

The Economic and Social Council,

1. *Takes note* of the report of the Secretary-General on global geospatial information management³ and the recommendations contained therein;

2. *Recognizes* the need to promote international cooperation in the field of global geospatial information;

3. Decides, in this regard, to establish the Committee of Experts on Global Geospatial Information Management, in accordance with the terms of reference contained in the annex to the present resolution, to be established and administered within existing resources and organized accordingly, and requests the Committee to present to the Economic and Social Council in 2016 a comprehensive review of all aspects of its work and operations, in order to allow Member States to assess its effectiveness;

4. *Encourages* Member States to hold regular high-level, multi-stakeholder discussions on global geospatial information, including through the convening of global forums, with a view to promoting a comprehensive dialogue with all relevant actors and bodies;

5. *Emphasizes* the importance of promoting national, regional and global efforts to foster the exchange of knowledge and expertise, to assist developing countries in building and strengthening national capacities in this field.



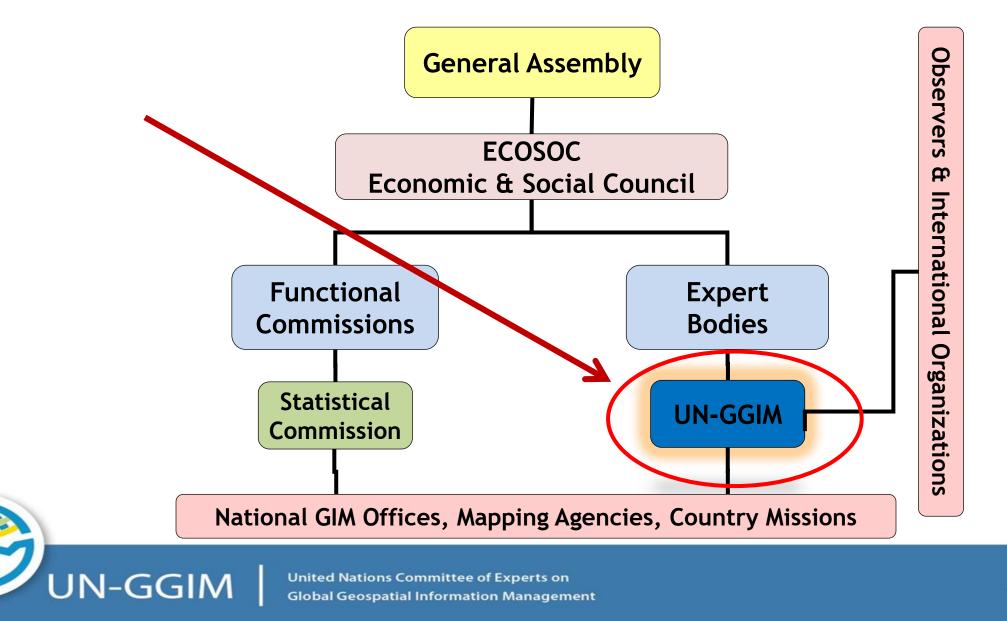
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47th plenary meeting 27 July 2011

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UN-GGIM: An Inter-Governmental Body



Global Context - UN-GGIM

Formal inter-governmental **UN Committee of Experts** to:

- Enhance and coordinate Global Geospatial Information Management activities
- Make joint decisions and set directions on the use of geospatial information
- Work with Governments to improve policy, institutional arrangements, and legal frameworks
- Address global issues and contribute collective knowledge
- Develop effective strategies to **build geospatial capacity** in developing countries







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UN-GGIM: What do we do?

Some Work Items

- 1. A global geodetic reference framework
- 2. Adoption and implementation of standards
- 3. Determining global fundamental data sets
- 4. Geospatial information supporting Sustainable Development and the post 2015 development agenda
- 5. Integrating geospatial, statistics and other data
- 6. Legal and policy frameworks
- 7. Land Administration and Management
- 8. Disaster risk reduction and resiliency
- 9. Marine geospatial information

10. Integrated Geospatial Information Framework

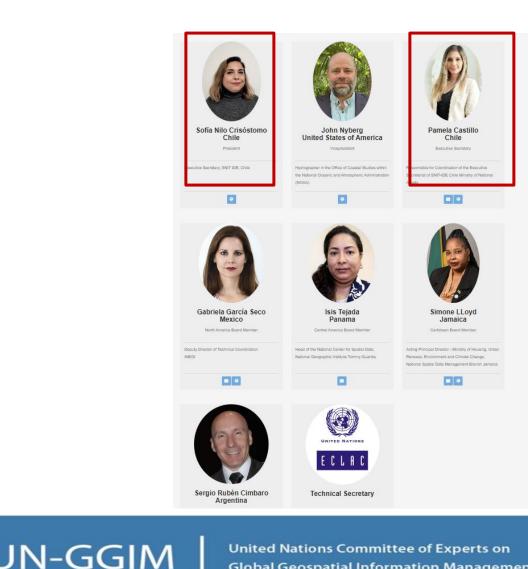


UN-GGIM Americas-The Regional Response

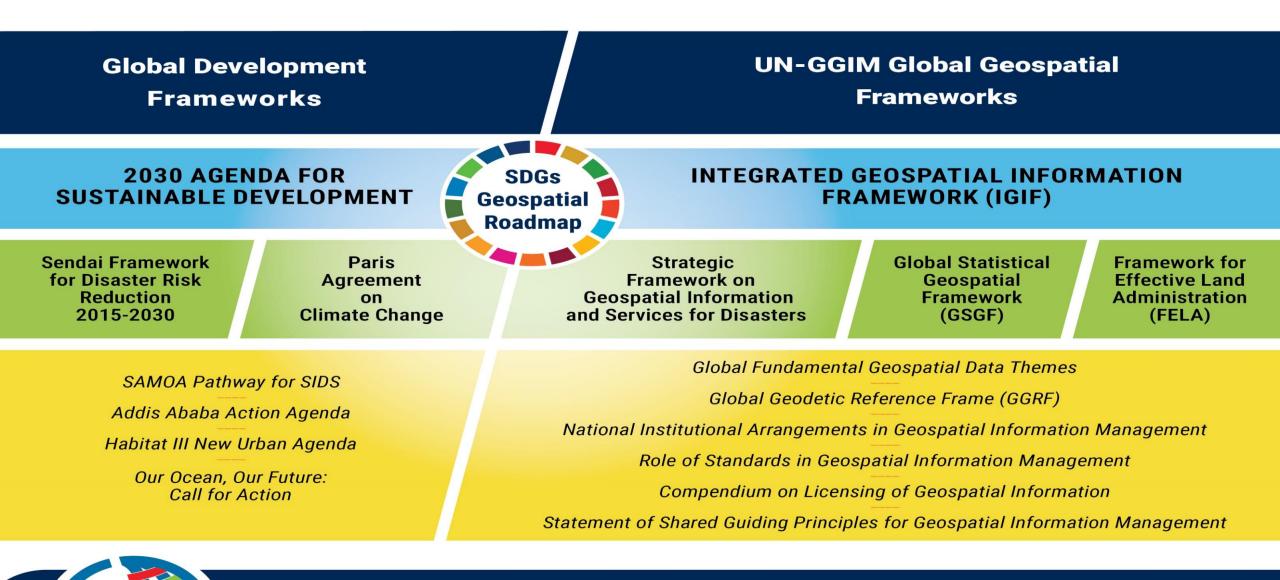
http://www.un-ggim-americas.org/en/inicio.html



Chile global and regional leadership



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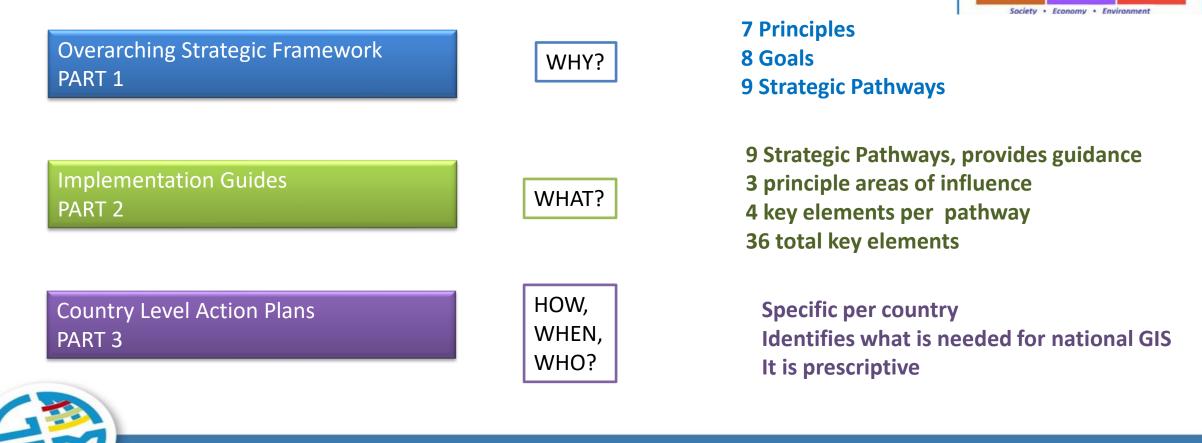
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The IGIF – what is it about?

N-GGIM

The IGIF is a multi-dimensional Framework aimed at strengthening national geospatial information management, particularly in developing countries.



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Knowledge · Decisions · Development

Policy

and

Legal

0

Innovation

Capacity

and

Education

Financial

Standards

and

Engagement

Governance

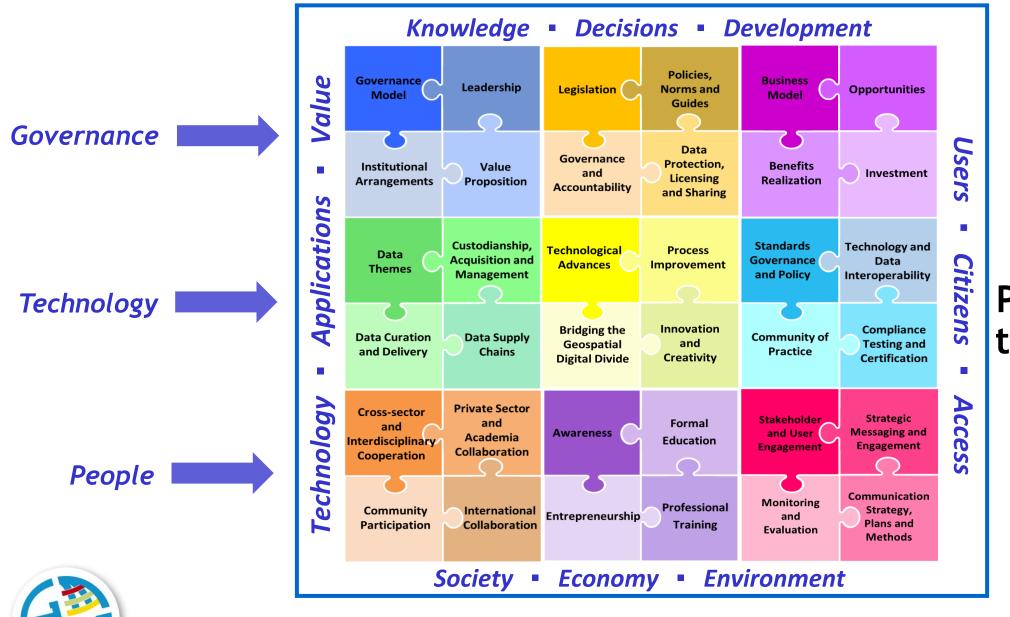
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Institutions

3

Data

Partnerships



9 Strategic Pathways solve the IGIF puzzle ...with 36 Key Elements

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IGIF: BENEFITS

BENEFITS	Knowledge Decisions Action Development Society Economy Environment
(SOCIETAL)	Government Users Citizens Access Technology Applications Value Engagement
BENEFITS	Water Energy Tourism Health Education Infrastructure Security Population
(THEMATIC)	Defence Industry Transport Disasters Urbanisation Food Supply Planning

The ultimate benefits, including the considerable economic benefits, of integrating and strengthening national geospatial information management is that it is a strategic enabler for all levels of government and the broader community.

It improves planning for economic growth and delivery of better services. It supports the delivery of the SDGs, such as poverty alleviation, socially inclusive development, protection of the environment, disaster response times, regional cooperation and transparency in governance.



GLOBAL IMPACT OF THE IGIF





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The IGIF – what is happening?

- 1.Implementation
- 2.Refinement and updates- given the lessons learnt
- 3.Availability of methodology, frameworks, guidance, tools for national GIM
- 4.Strengthened institutions
- 5. Emergence of global, regional and national GI champions

What is being done to Implement the IGIF

Leadership

Institution

HIGH-LEVEL GROUP OF THE IGIF



The United Nations Global Geospatial Knowledge and Innovation Centre, in Deqing, China

Partnership







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The Global Geospatial Knowledge Centre



The United Nations Global Geospatial Knowledge and Innovation Centre's Overarching Goal is to develop and promote the required innovation, leadership, coordination, and standards to strengthen the adoption of geospatial information to support the implementation of national development priorities and the SDGs. Leveraging the United Nations Integrated Geospatial Information Framework, Member States will have the ability to integrate and deliver national geospatial information policy, data, systems, tools, services and capabilities into national government development policies, strategies, and arrangements.

UN-GGKIC, DEQING, ZHEJIANG PROVINCE, CHINA



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Countries are developing and developed their Country Level Action Plans

Six Initial/Pilot countries under UN Development Account 11 – self paced, learn and discover capacity development approach.

Burkina Faso, Ethiopia, Fiji, Tonga, Mongolia and Nepal all finalizing their action plan

Sixteen under the Data Alliance – Initial efforts towards preparing their action plan and data hubs

Cohort 1- Burkina Faso, Cameroon, Chile, Eswatini, Ethiopia, Fiji, Guatemala, Honduras, Morocco, Mozambique, Panama, Rwanda, Senegal, South Africa, Tonga, and Tunisia.

Cohort 2 – Dominican Republic, Fiji, Guatemala, Honduras, Morocco, Panama and Saint Lucia



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The IGIF – what is happening?

- 1. Increased awareness on the value of GI and supporting technologies
- 2. Drive to create national authoritative geospatial data
- 3. Increased recognition and use of internationally agreed standards to enable use of trusted data
- 4. Improved delivery of services to nationals
- 5. A whole of government approach to national GIM that provides data to:
 - a. Manage and monitor
 - b. Plan for current and future
 - c. Inform, educate and empower

Everyone has a Role to Play



UN-GGIM

United Nations Committee of Experts on Global Geospatial Information Management



UNITED NATIONS COMMITTEE OF EXPERTS ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT



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