



Geospatial Engineering: A Lever to Assist Developing Countries to Bridge the Geospatial Digital Divide

Greg Scott, UN-GGIM Secretariat

Environmental Statistics and Geospatial Information Branch

United Nations Statistics Division

Department of Economic and Social Affairs

United Nations, New York



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

White Paper

The value of Integrated Geospatial and Building Information Modelling (BIM) solutions to advance the United Nations Sustainable Development Goals (Agenda 2030) with specific focus on resilient infrastructure

To achieve the 2030 Agenda, and bridge the geospatial divide, countries need to enable the development of a national geospatial data ecosystem, robust national information system and associated geospatial frameworks.



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

“Within the past generation, hundreds of millions of people have emerged from extreme poverty, and access to education has greatly increased for both boys and girls. Further, the spread of information and communications technology and global inter-connectedness has great potential to accelerate human progress, to bridge the digital divide, to develop knowledge societies, and to foster scientific and technological innovation”

2030 Agenda for Sustainable Development.



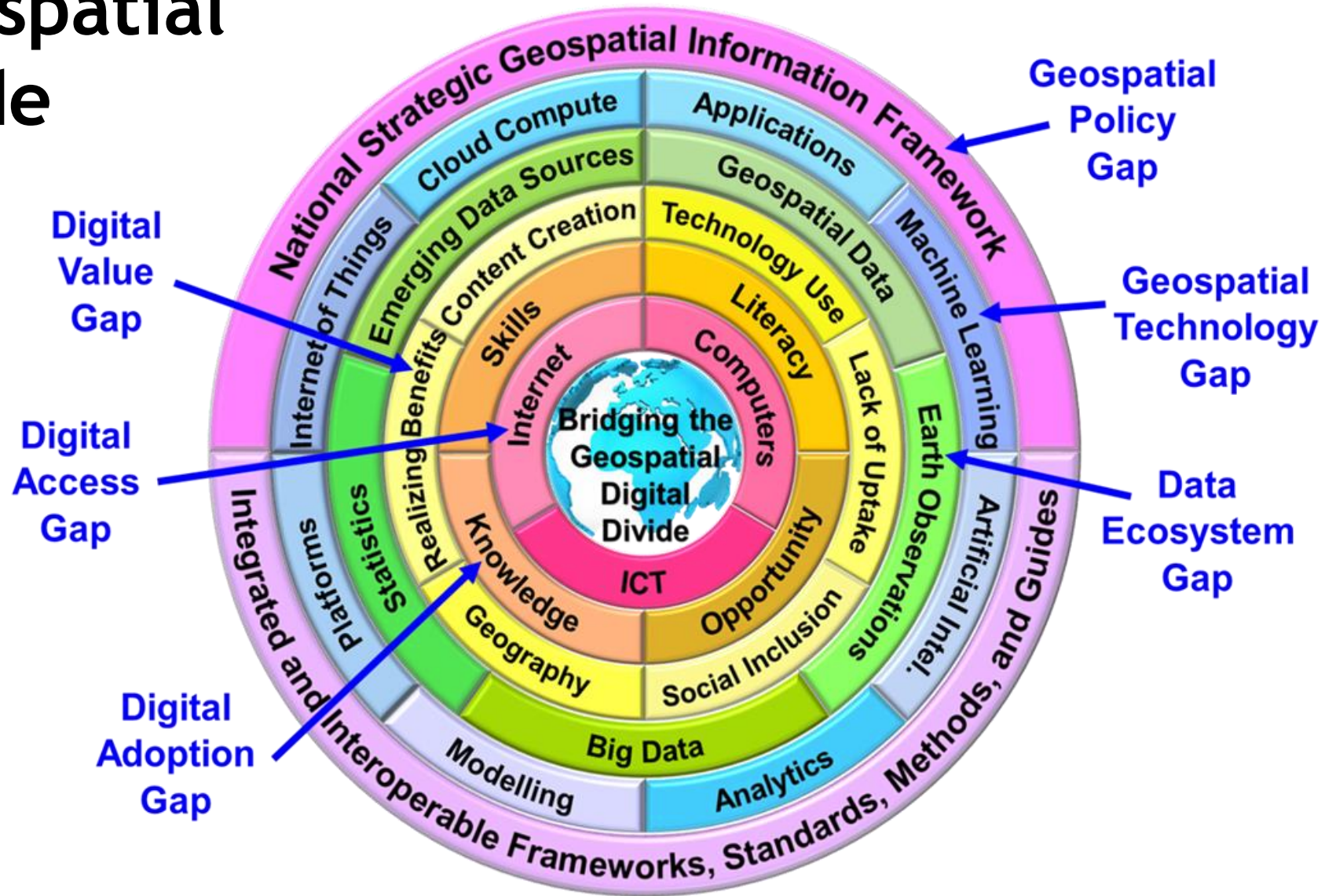
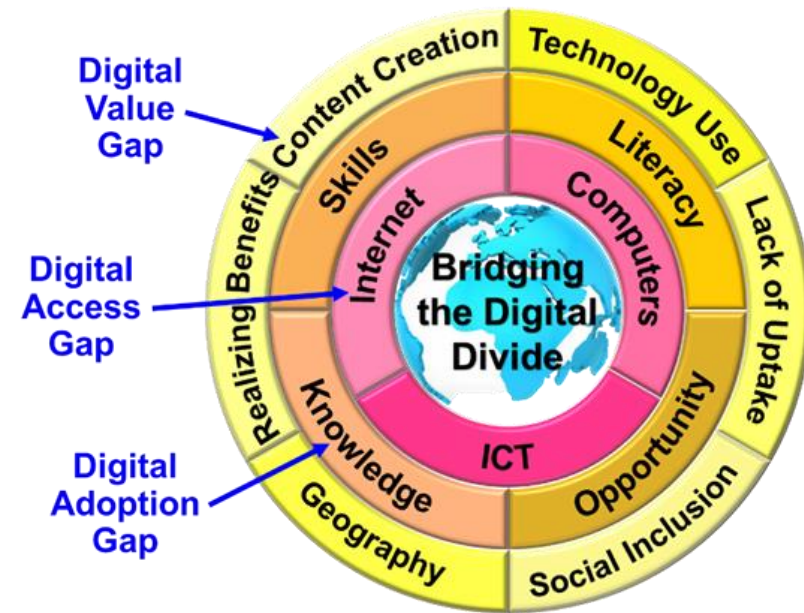
Bridging the Geospatial Digital Divide

Meeting and exploiting the new data needs, information systems, analytics and associated enabling technologies and tools to support the implementation of the SDGs is going to take strategic policy leadership and transformational change - a digital transformation that is able to bridge the ‘geospatial digital divide’ which continues to inhibit development progress for developing countries.

Greg Scott, November 2016



Bridging the Geospatial Digital Divide



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org



The Integrated Geospatial Information Framework provides a basis and guide for developing, integrating and strengthening geospatial information management.



INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN
NATIONAL GEOSPATIAL INFORMATION MANAGEMENT

PART 1: OVERARCHING STRATEGIC FRAMEWORK



The Overarching Strategic Framework is a mechanism for articulating and demonstrating national leadership, cultivating champions, and developing the capacity to take positive steps.

<http://ggim.un.org/UN-GGIM-Intergrated-geospatial-information-framework/>



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK



The Integrated Geospatial Information Framework is a reference guide for developing and strengthening arrangements in national geospatial information management. It has been designed specifically for low to middle income countries and small island developing States. But, it is also being used to improve and coordinate activities to achieve alignment between and across existing national agency capabilities and NSDIs in developed countries.



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org