

United Nations Integrated Geospatial Information Framework

Supporting Sustainable Development and the Wellbeing of Society



UN-IGIF

INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK

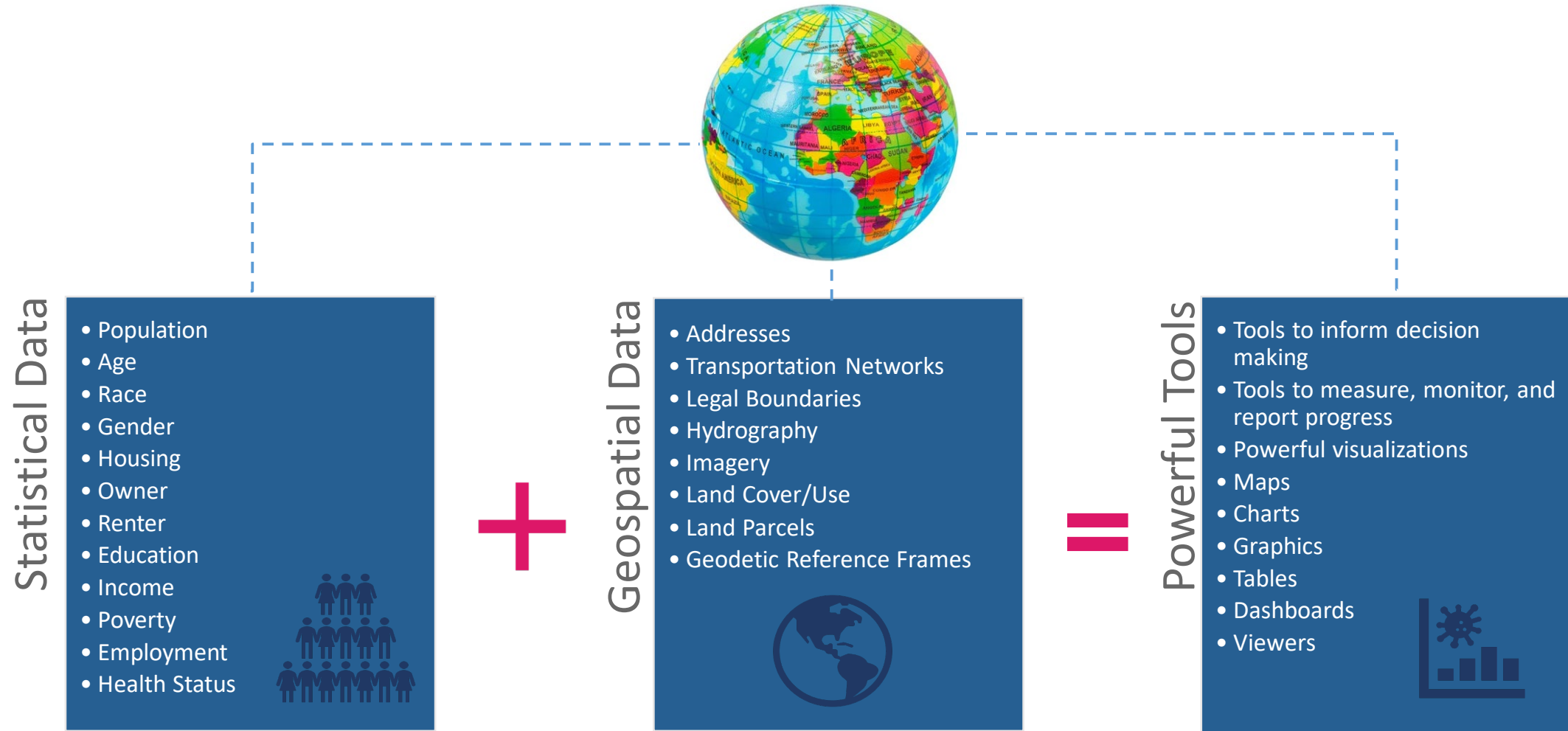
The 2030 Agenda for Sustainable Development

- Established 17 Sustainable Development Goals
- Brought attention and focus to the global challenges
- It was a universal call to action
- Some progress has been made since 2015... but not enough
- Questions:
 - How can we help to achieve the SDGs by 2030?
 - How can we better and more effectively measure, monitor, and report progress on the SDGs?



Geo-enabling the Global Village

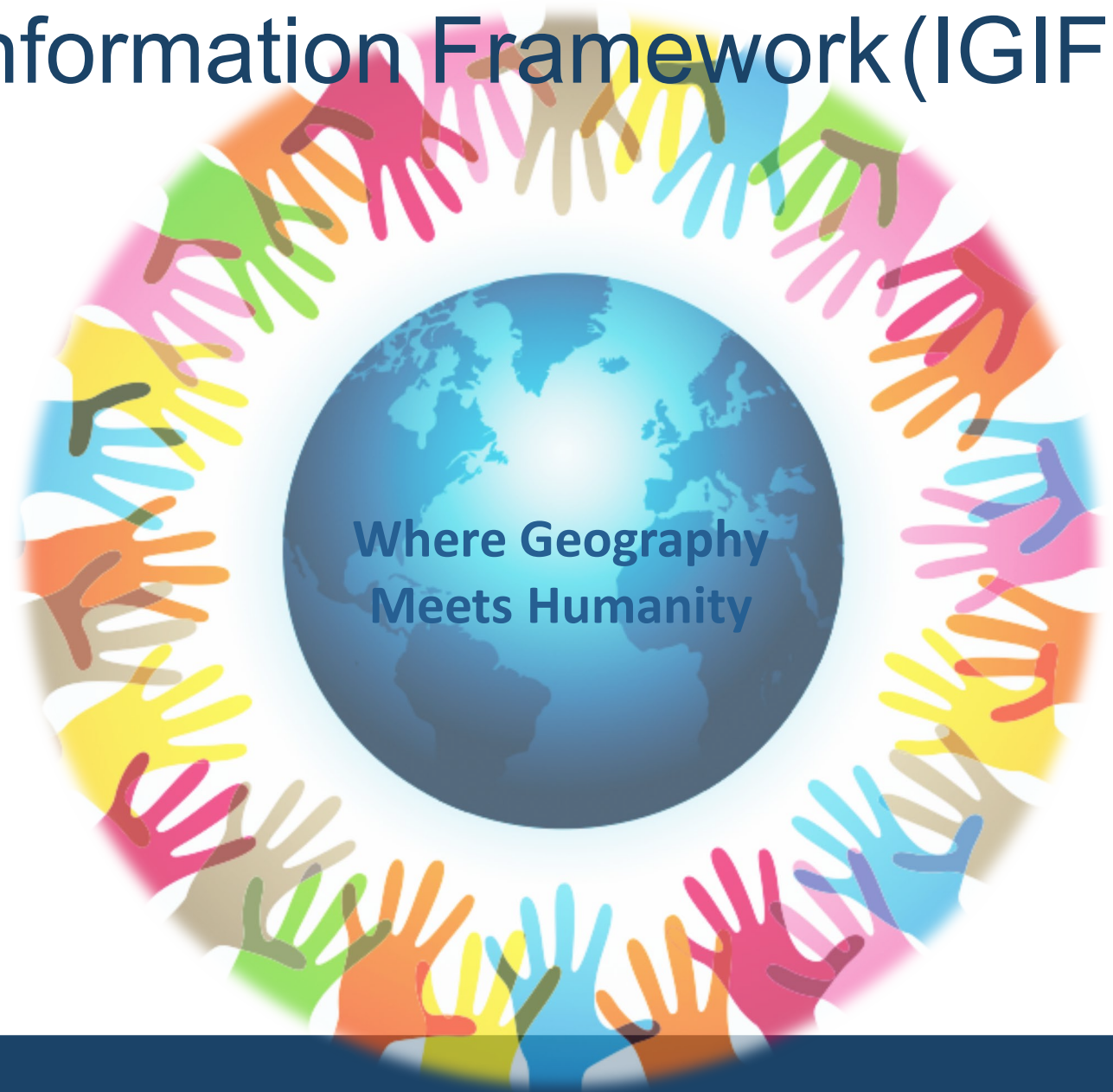
To Support Sustainable Development



Integrated Geospatial Information Framework (IGIF)

Geo-enabling Countries for a Better Future

- IGIF is globally developed and endorsed by the UN-GGIM Committee of Experts
- Helps countries to integrate information about people and their geography
- Enables effective policy formulation, decision-making, and innovation
- Strengthens geospatial information management and related resources
- IGIF helps deliver sustainable social, economic, and environmental development – leaving no one behind

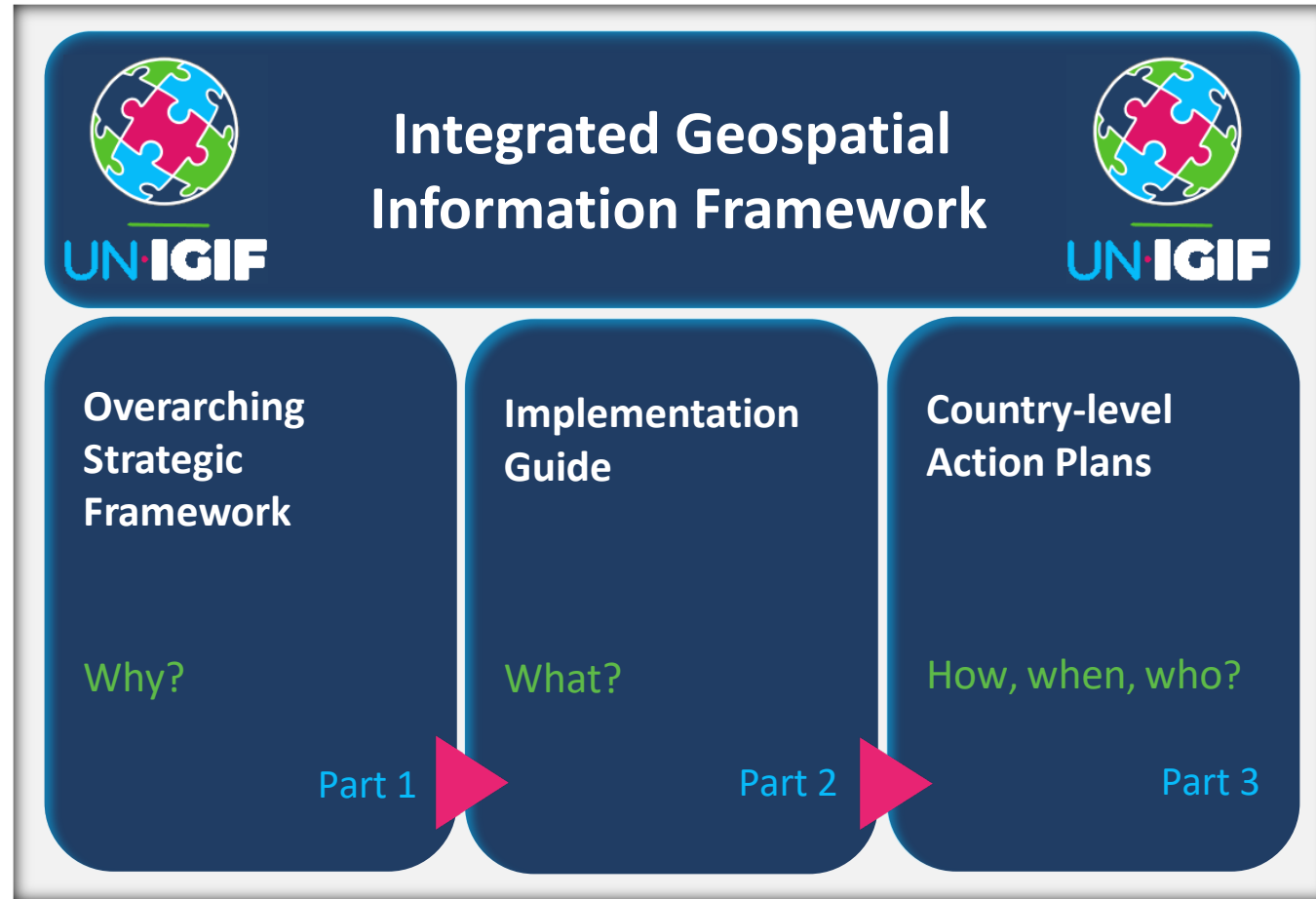


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Enabling a better future with location data

Integrated Geospatial Information Framework

Three Component Parts of the IGIF



[UNSD — UN-GGIM](#)



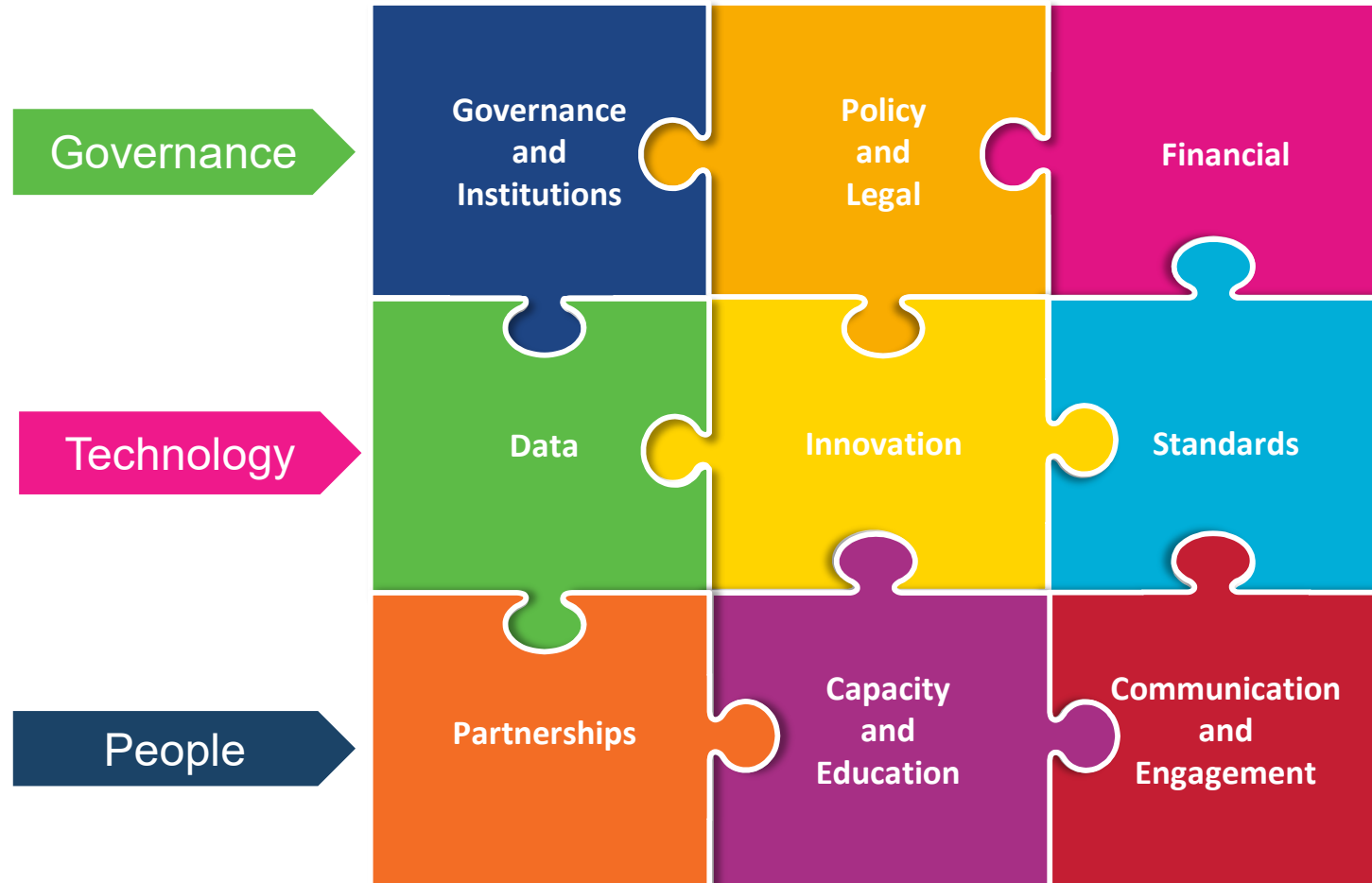
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Implementation Guide

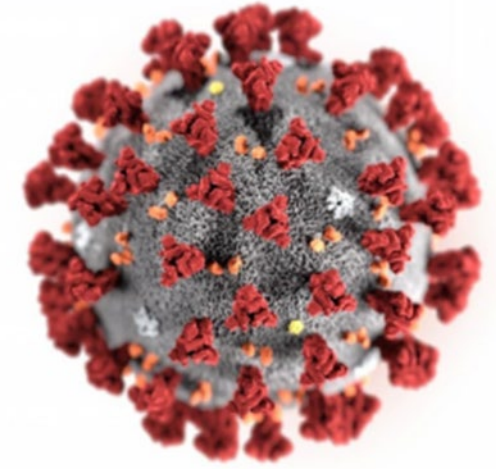
Nine Strategic Pathways for building a better future

- Describes what actions can be taken to strengthen geospatial information management
- Includes resource materials, good practices, guiding principles and recommended actions and outcomes
- The nine strategic pathways serve as a roadmap for implementing IGIF



The IGIF in Action in Central America

COVID-19 Response




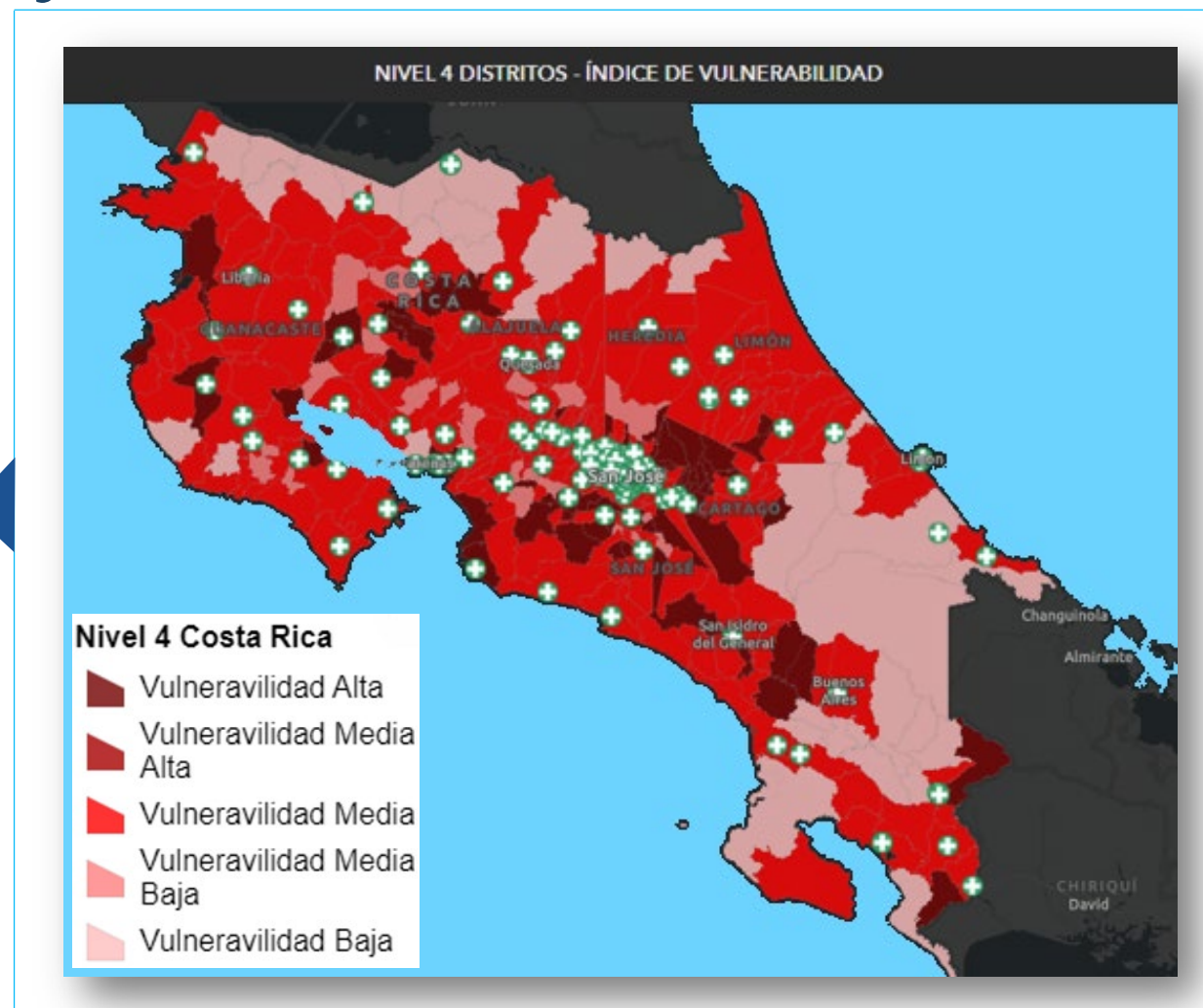
IGIF Pathways Utilized by the Countries

Partnerships	Data	Standards	Innovation	Capacity and Education	Communication and Engagement
<p>In Country Partners</p> <ul style="list-style-type: none"> Geospatial Agencies Statistical Agencies Health Ministries Emergency Response <p>Outside Partners</p> <ul style="list-style-type: none"> Pan American Institute of Geography and History UN-GGIM Americas U.S. Census Bureau National Institute of Statistics and Geography, Mexico United Nations Economic Commission for Latin America and Caribbean National Administrative Department of Statistics, Columbia 	<p>Integrated Data</p> <p>Demographic:</p> <ul style="list-style-type: none"> Population over age 60 Inter-generational risk Crowded living conditions Access to public water Poverty Income <p>Health:</p> <ul style="list-style-type: none"> Heart Disease Hypertension Diabetes Obesity Respiratory/Immune Cancer Disabilities <p>Geographic:</p> <ul style="list-style-type: none"> Geographic Boundaries Hospital/Clinic Locations Airports, ports, train stations 	<p>Common Data Structure</p> <ul style="list-style-type: none"> Data Elements Field Names Field Length Data Type Data format <p>Interoperable Data</p> <ul style="list-style-type: none"> Across government ministries and agencies Across countries <p>Data Quality Standards</p> <ul style="list-style-type: none"> Data quality review 	<p>Centralized Geospatial Data</p> <ul style="list-style-type: none"> Centralized Geoportal Accessible and useful data <p>Advanced Technology</p> <ul style="list-style-type: none"> ArcGIS Online Vulnerability Index Notebook Web Maps Dashboards StoryMaps 	<p>Building Capacity</p> <ul style="list-style-type: none"> In-person and virtual workshops User Guides Online training sessions: <ul style="list-style-type: none"> Geoportal Vulnerability Index methodology Vulnerability Index Notebook Web Maps Dashboards StoryMaps 	<p>Regular Engagement</p> <p>In Country:</p> <ul style="list-style-type: none"> Meetings with internal agencies and ministries <p>Outside Partners:</p> <ul style="list-style-type: none"> Regular meetings with project leads and all participating countries Quality review meetings Periodic Workshops Updates at regional and global meetings Communication across countries



Costa Rica Vulnerability Results

- Mapped vulnerability scores for each district
- Overlaid hospital locations 
- Created a series of powerful maps, dashboards, and StoryMaps that helped inform response to the rapidly spreading COVID-19 Pandemic in Costa Rica





Thank You!

Questions?

