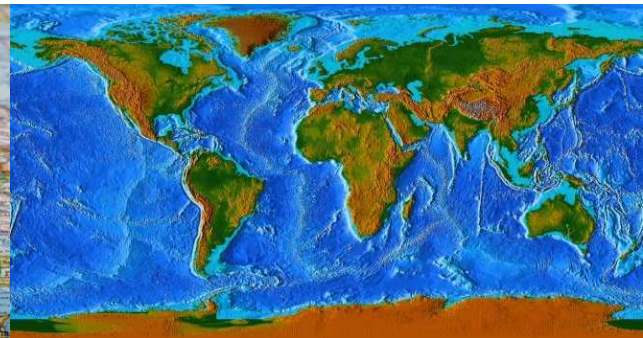


Transforming our world -
The 2030 Agenda for
Sustainable Development



Virtual High Level Forum on UN-GGIM 2nd June 2020

The Integrated Geospatial Information Framework

Nine Strategic Pathways for National Leadership in Geospatial Information Management

Strategic Pathways 7, 8 and 9 - The People Pillar

John Kedar

Global Geospatial Strategy Advisor



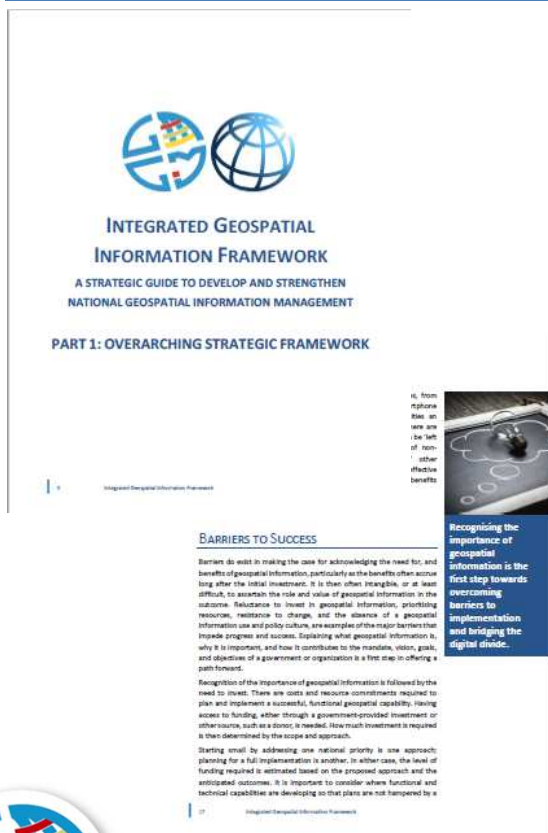
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Positioning geospatial information to address global challenges

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Barriers to Success



‘explaining.....how it contributes to the goals of a government’

‘Retention of key staff’

‘hampered by a dated or defunct approach’

‘Reluctance to invest’

‘IT burdens of managing in-house’

‘Knowledge of geography, GI technology, data management’

Culture of not collaborating across organisation’

‘Human resources’

‘national priority’

‘lack of sharing.....precludes innovation’

‘Resistance to change’

‘access to funding’



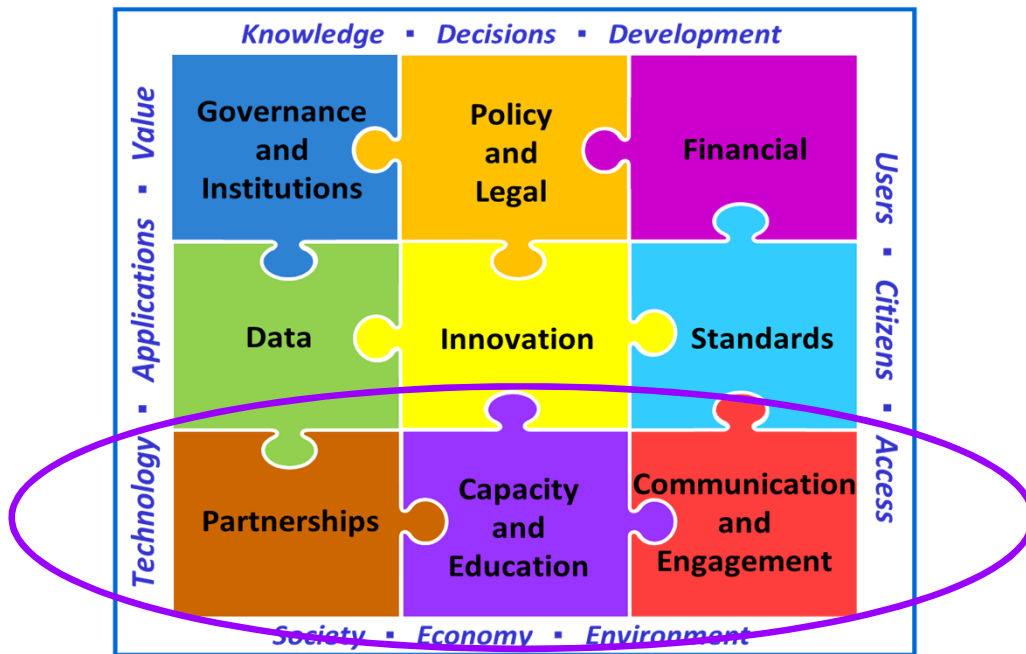
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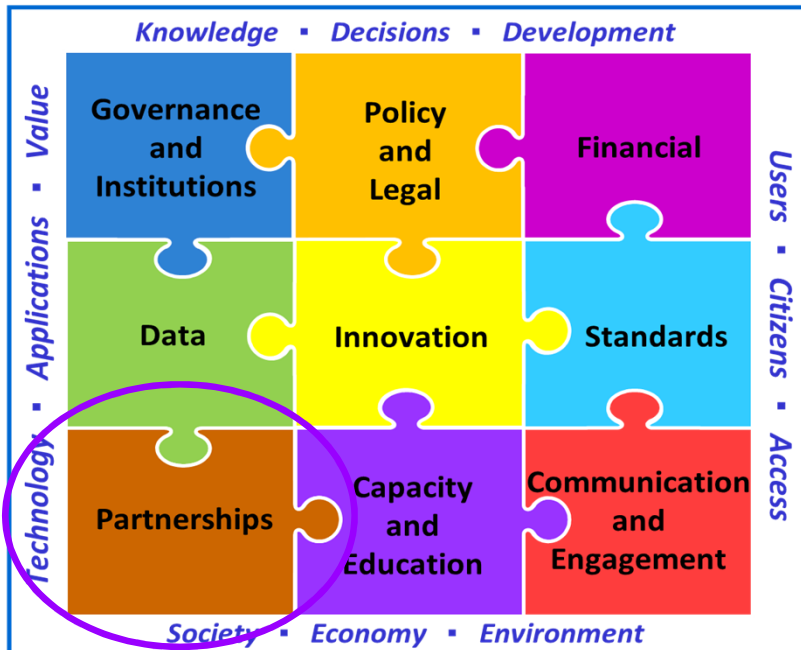
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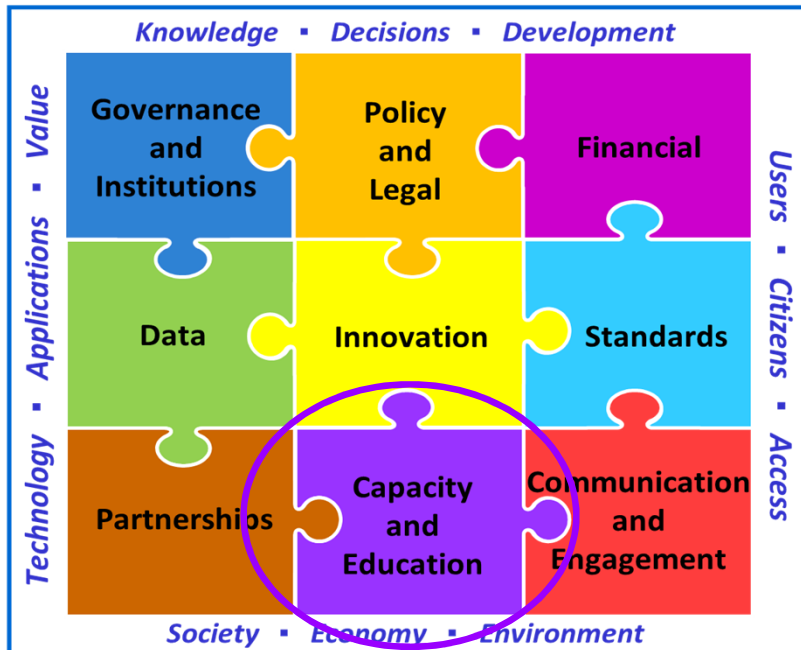
People Pillar



SP7: Partnerships



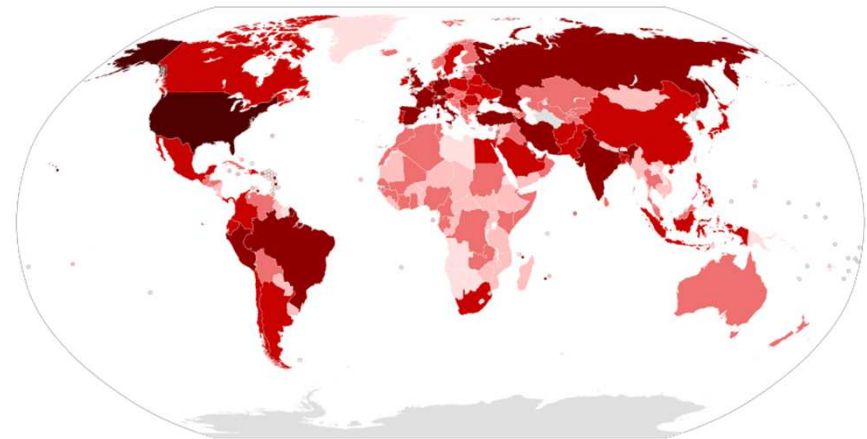
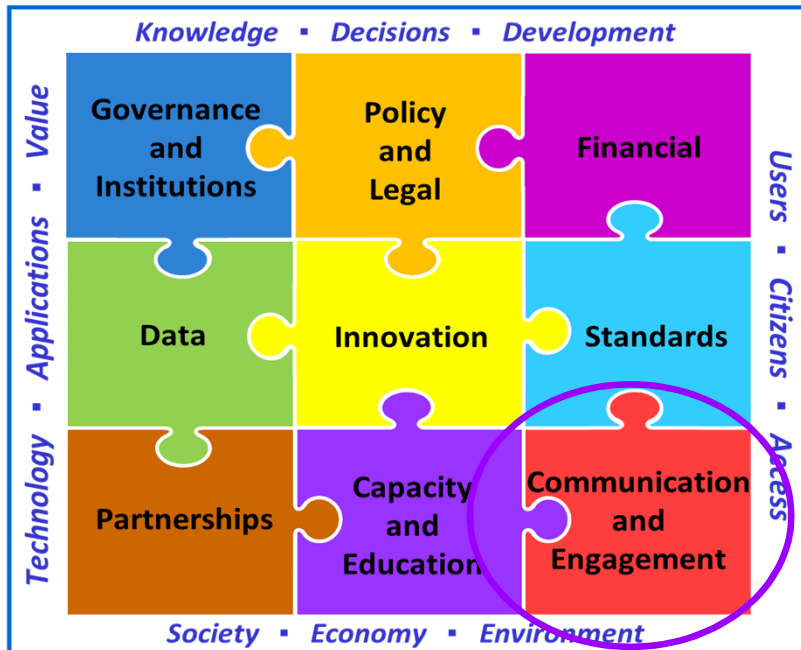
SP8: Capacity and Education



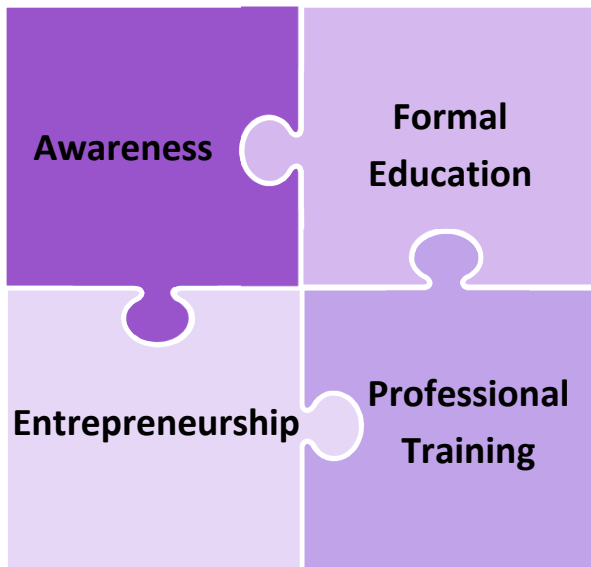
US Department of Education. Located at: <https://pic.k7/p/DeX83>. License: [CC BY](https://creativecommons.org/licenses/by/4.0/).



SP9: Communication and Engagement



SP8: Capacity and Education



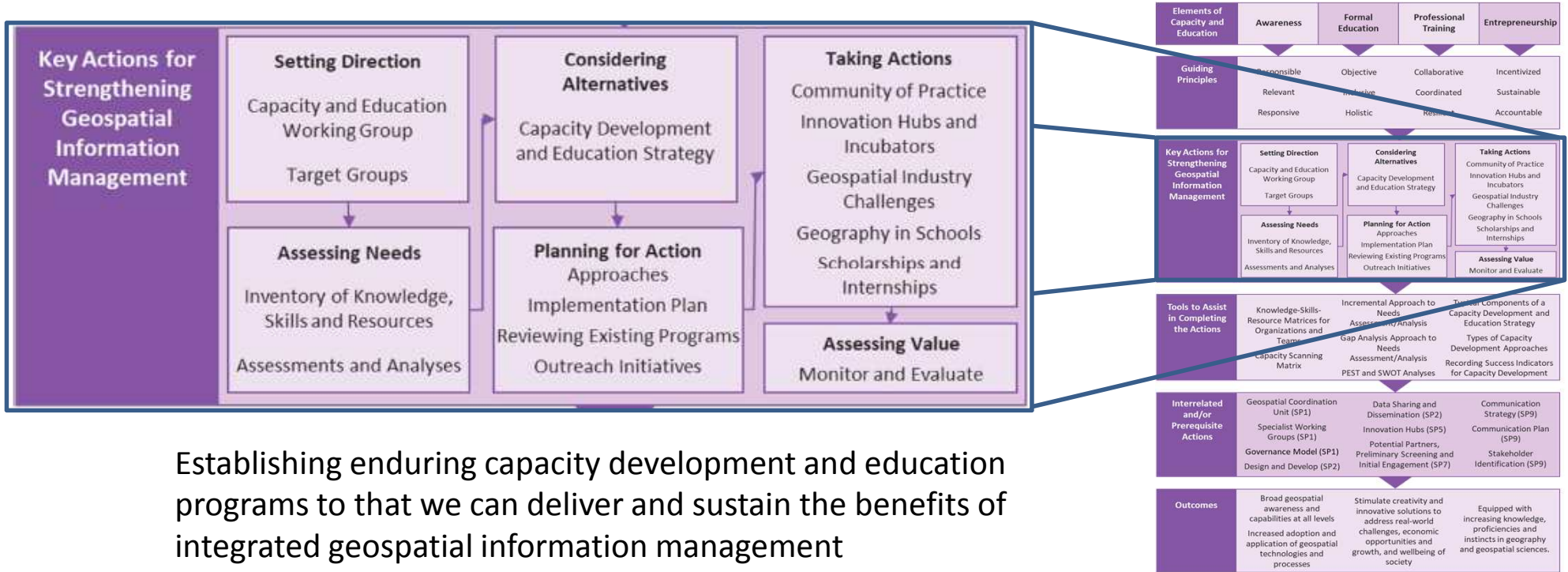
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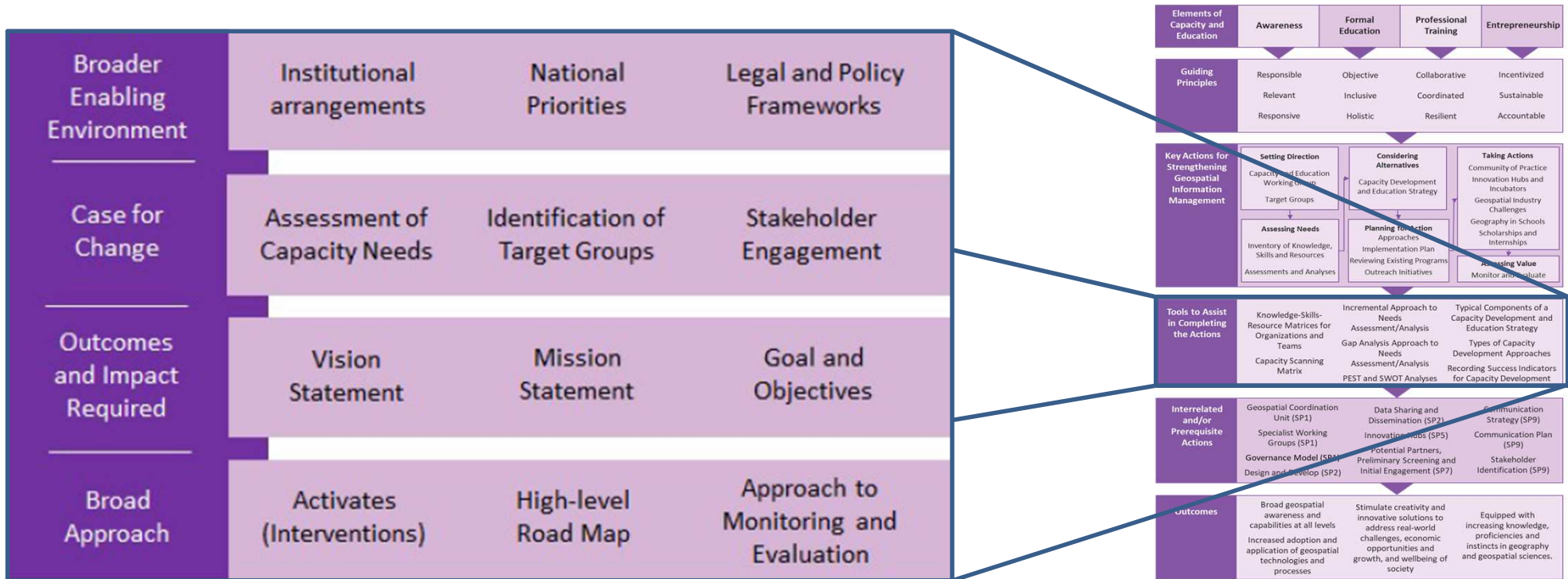
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SP8: Capacity and Education Key Actions



SP8 Tool – Components of a Strategy



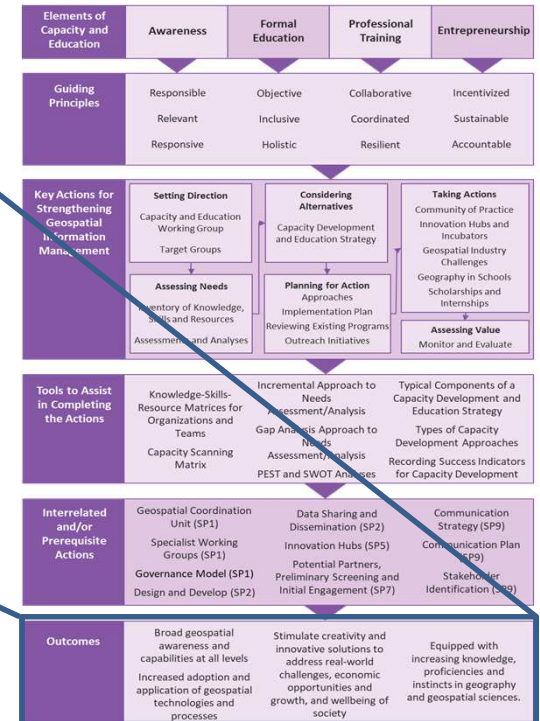
SP8: Capacity and Education Outcomes



Become a globally successful
Software Entrepreneur

APPLY TO MEST AFRICA
bit.ly/MEST2019

- Broad geospatial awareness
- Increased adoption
- Stimulate innovative solutions
- Increasing geospatial knowledge skills



SP7: Partnerships


UNITED NATIONS

TRANSFORMING OUR WORLD:



THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

Sustainable Development Goals

	1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 
6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 



SP7: Partnerships

Elements of Partnerships	Cross-sector and Interdisciplinary Cooperation	Private Sector and Academia Collaboration	International Collaboration	Community Participation
Guiding Principles	Mutual Respect, Trust and Understanding Leadership, Commitment and Empowerment	Shared Vision and Goals Learning and Development Transparency and Communication		Clarity and Realism of Purpose and Scope Performance Management and Accountability
Key Actions for Strengthening Geospatial Information Management	Understanding Partnerships Need for Partnering Types of Partnerships	Identifying Potential Partners Potential Partners Preliminary Screening Initial Engagement		Formalizing Partnership Establishing Agreement Communication Plan Governance Structure
	Evaluating Opportunities Partnership Opportunities Selection Criteria	Selecting Partners Options and Operational Implications Financial Analysis		Managing Partnership Reporting and Accountability Review and Evaluation Concluding a Partnership
Tools to Assist in Completing the Actions	Stakeholder Identification and Analysis Types of Partnerships	Evaluation of Potential Partners Success Indicators		Communication Plan Review and Evaluation
Interrelated and/or Prerequisite Actions	Geospatial Information Management Strategy (SP1) Policy and Legal Review and Assessment (SP2) Sources of Funding; Business Case (SP3) Data Gap Analysis (SP4)	Data Acquisition Program; Data Governance; Storage and Retrieval System; Data Release (SP4) Data Acquisition Alternatives; Technology Needs Assessment (SP5)		Geospatial Innovation System; New Product and Services (SP5) Capacity Needs Assessment (SP8) Stakeholder Identification; Stakeholder Analysis; Communication Plan (SP9)
Outcomes	Increased Development Capacity Expanded Capability	Sharing, Learning and Knowledge Transfer Empowered Creativity and Innovation		Enhanced Organizational Knowledge, Expertise and Proficiencies Agility and Flexibility



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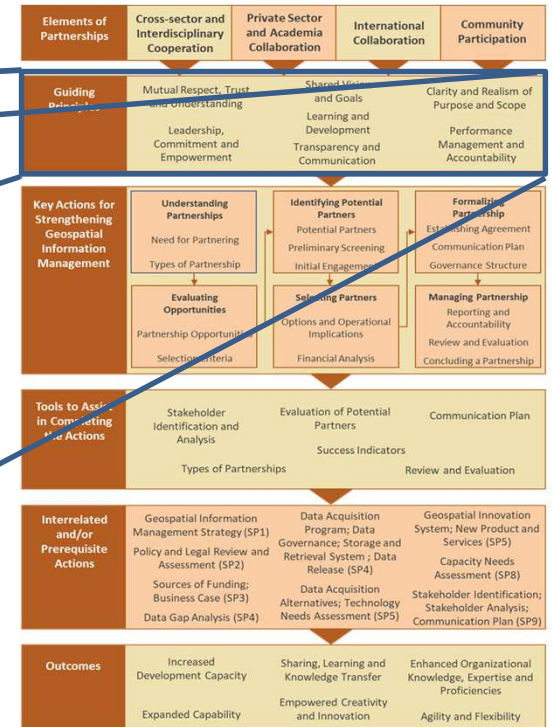
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SP7: Partnerships

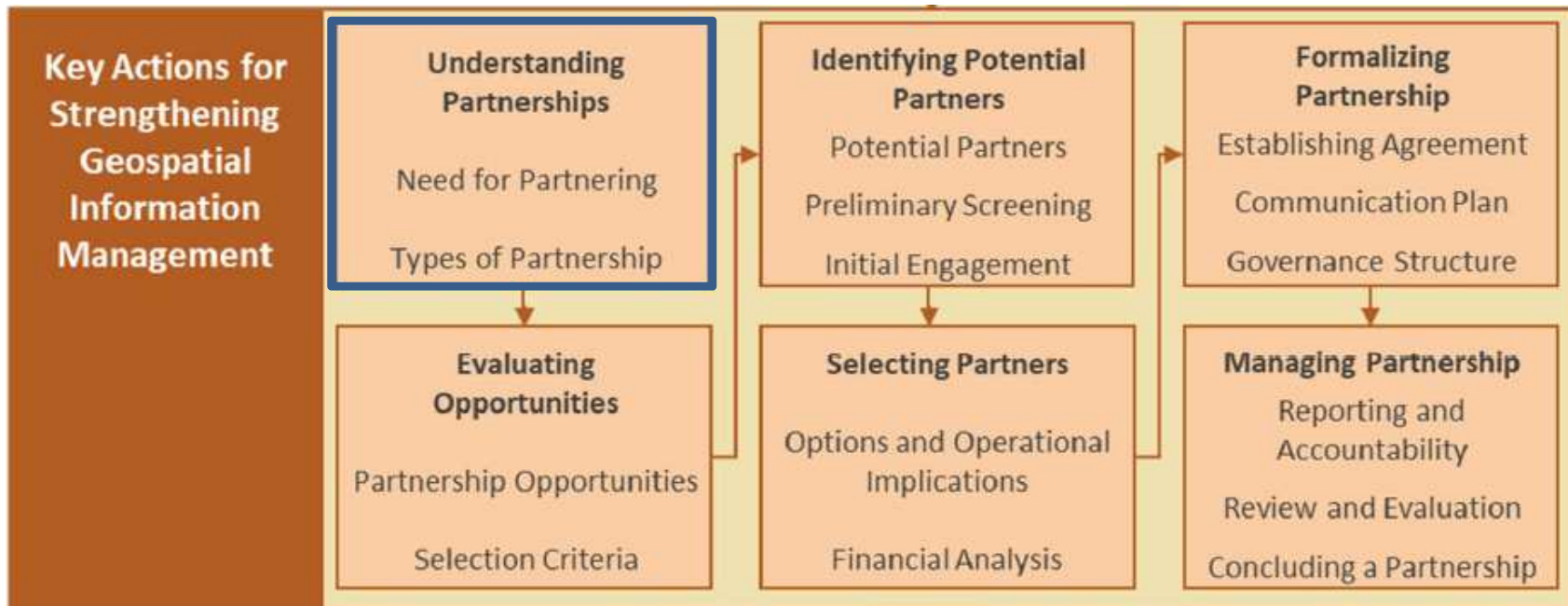


SP7: Partnering Principles

- Mutual respect, trust and understanding
- Leadership, commitment and empowerment
- Shared vision and goals
- Learning and development
- Transparency and communication
- Clarity and realism of purpose and scope
- Performance management and accountability



SP7: Partnering Actions

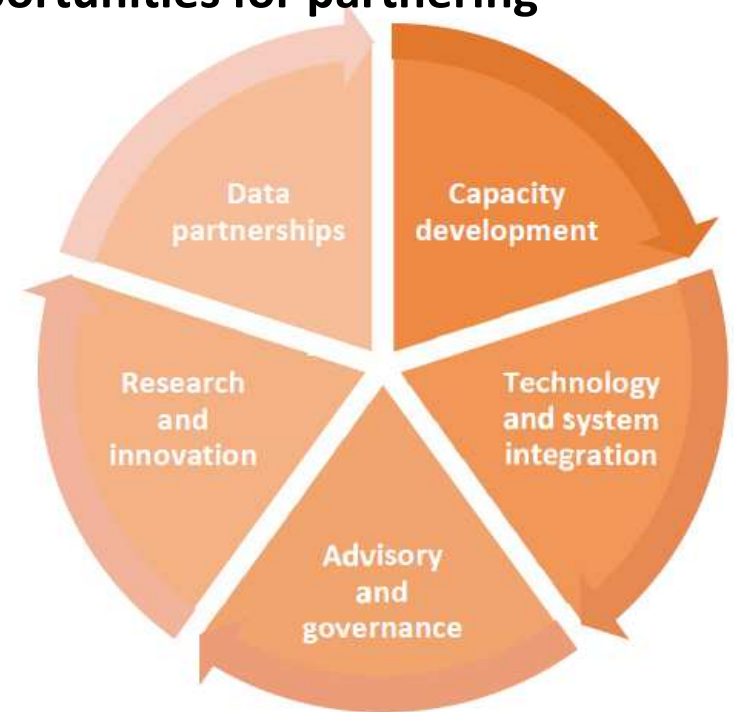


SP7: Partnering Opportunities

Types of partnering

- Cross-Sector partnerships
- Public-private partnerships
- Community partnerships
- Strategic alliances
- Collaborations
- Integration of services
- Donor partnerships
- Funding alliances
- Grant Matching

Opportunities for partnering



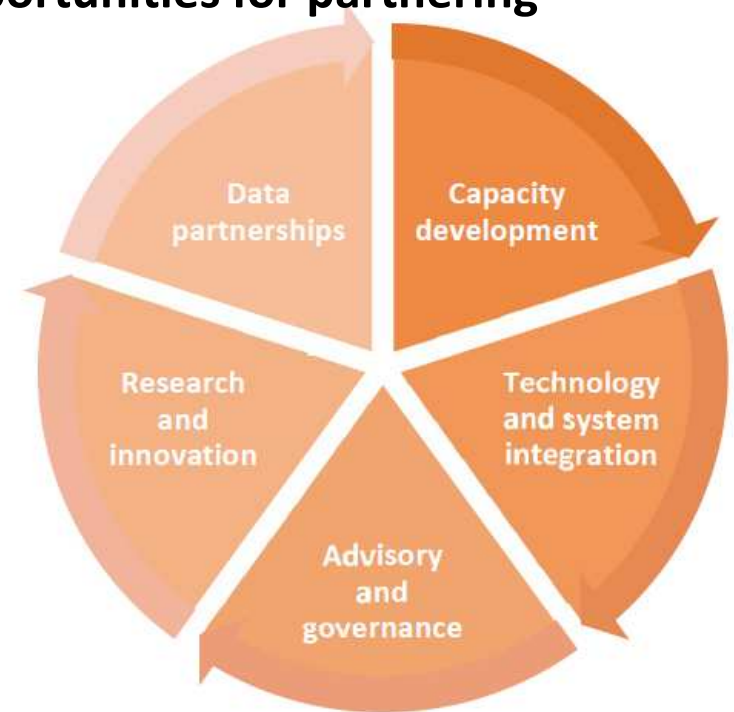
SP7: Partnering Opportunities

IGIF needs

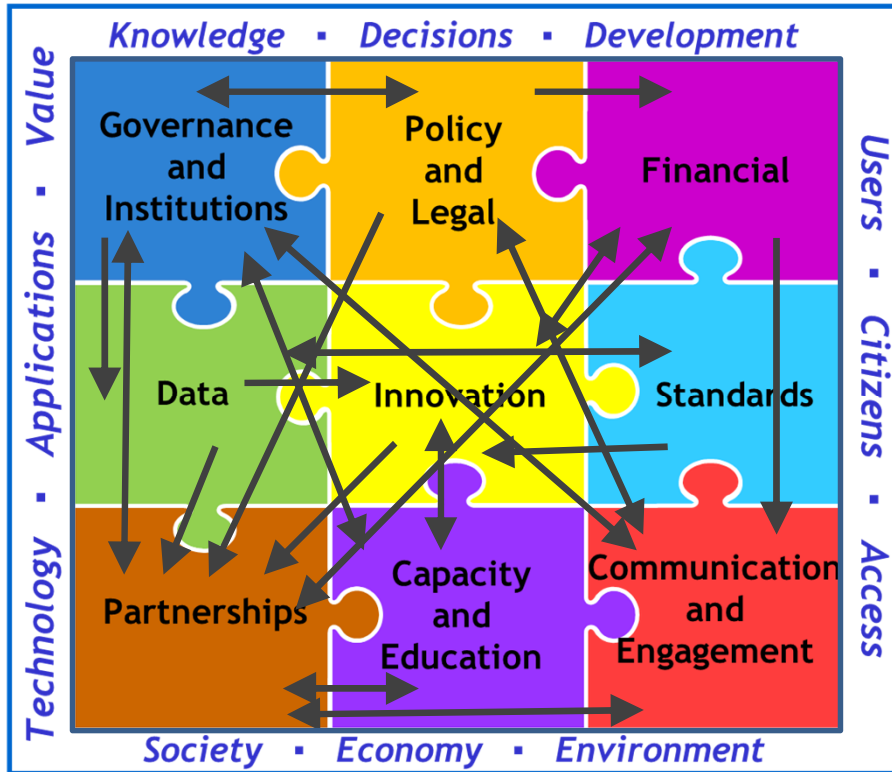
- SP1 GIM Strategy
- SP2 Policy and Legal Review
- SP3 Sources of Finance
- SP3 Business Case
- SP4 Data Acquisition Program
- SP4 Storage and Retrieval Systems
- SP4 Data Governance
- SP5 Data Acquisition Alternatives
- SP5 New Products and Services
- SP5 Geospatial Innovation System
- SP5 Technology Needs Assessment
- SP8 Capacity Needs Assessment
- SP8 Inventory of Knowledge, Skills and Resources
- SP9 Stakeholder Analysis



Opportunities for partnering



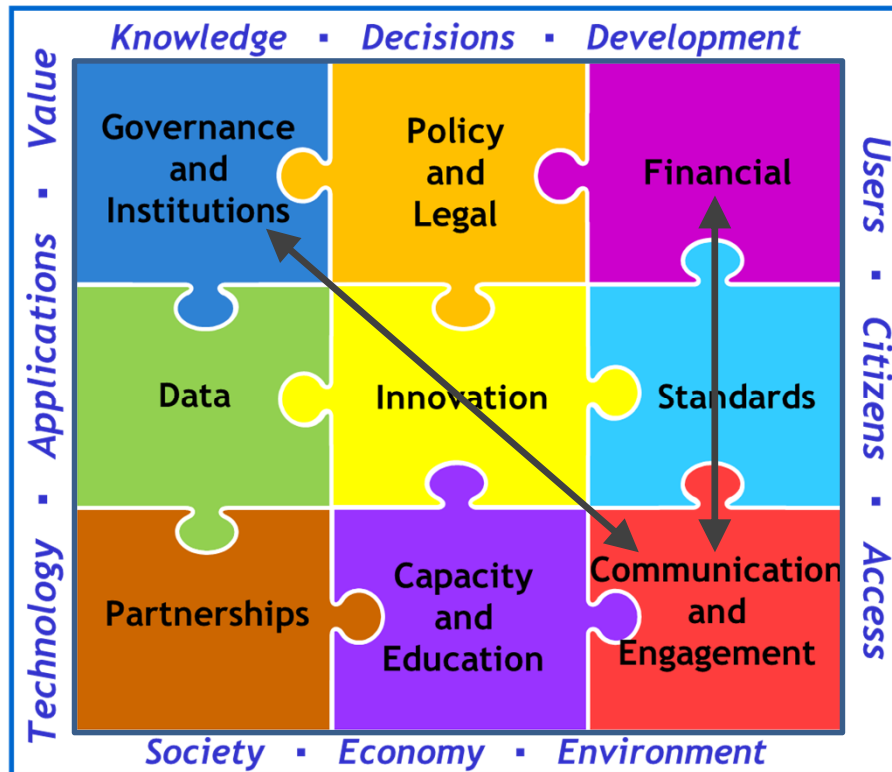
SP7: Interrelated Actions = IGF Integration



Elements of Partnerships	Cross-sector and Interdisciplinary Cooperation	Private Sector and Academia Collaboration	International Collaboration	Community Participation
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SP9: Communication and Engagement

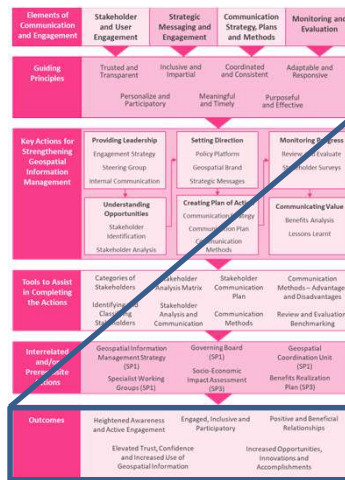


Elements of Communication and Engagement	Stakeholder and User Engagement	Strategic Messaging and Engagement	Communication Strategy, Plans and Methods	Monitoring and Evaluation
Guiding Principles	Trusted and Transparent Personalize and Participatory	Inclusive and Impartial Meaningful and Timely	Coordinated and Consistent Purposeful and Effective	Adaptable and Responsive
Key Actions for Strengthening Geospatial Information Management	Providing Leadership Engagement Strategy Steering Group Internal Communication	Setting Direction Policy Platform Geospatial Brand Strategic Messages	Monitoring Progress Review and Evaluate Stakeholder Surveys	Communicating Value Benefits Analysis Lessons Learnt
Tools to Assist in Completing the Actions	Categories of Stakeholders Identifying and Classifying Stakeholders	Stakeholder Analysis Matrix Stakeholder Analysis and Communication	Stakeholder Communication Plan Communication Methods	Communication Methods – Advantages and Disadvantages Review and Evaluation: Benchmarking
Interrelated and/or Prerequisite Actions	Geospatial Information Management Strategy (SP1) Specialist Working Groups (SP1)	Governing Board (SP1) Socio-Economic Impact Assessment (SP3)	Geospatial Coordination Unit (SP1) Benefits Realization Plan (SP3)	
Outcomes	Heightened Awareness Effective Engagement Elevated Trust, Confidence and Increased Use of Geospatial Information	Engaged, Inclusive and Participatory	Positive and Beneficial Relationships Increased Opportunities, Innovations and Accomplishments	

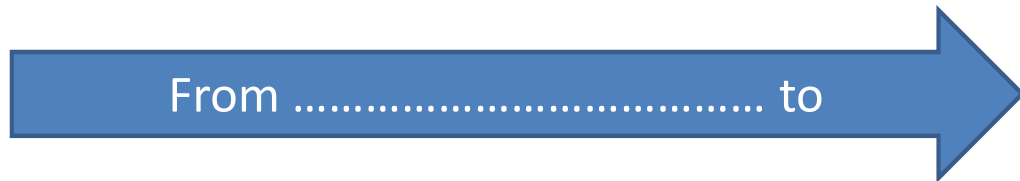


SP9: Communication and Engagement Outcomes

“In many countries, communication and engagement strategies have not been adequate in raising awareness and advocacy of the benefits that can be derived from geospatial information.”



- Heightened awareness and engagement
- Increased use of GI
- Greater synergy
- Greater contribution to policy making and programs
- Effective relationships
- Resources



SP9: Communication and Engagement

“spatial. ... critical ...
geodetic ... web map
services ... SDI ...
authoritative ... data
mining”

“constituents vote-winning ...
jobs ... stability ... new hospital
... now ... investment ... drought
... Covid 19”

“friends ... income ...
food ... shelter ...
holiday ... choice ... buy
... education”

Fisheries ... quota ...
aquaculture ... treaty of ...
TAC ... compliance

“sales ... competition ...
profit ... efficiency ...
innovation ... disruption ...
market”



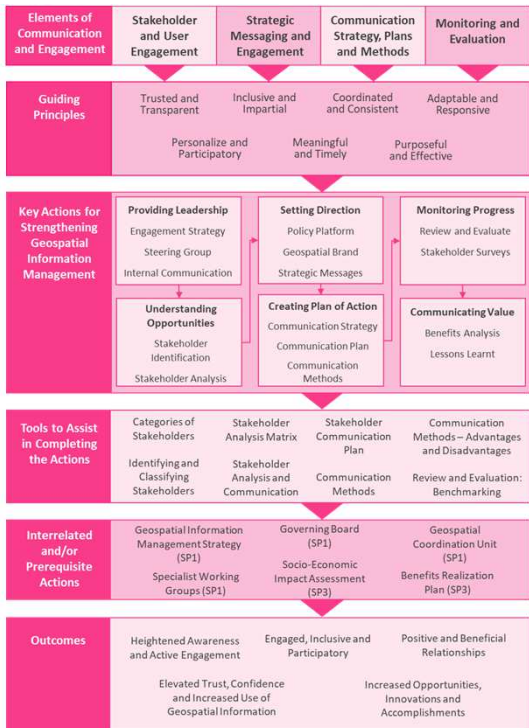
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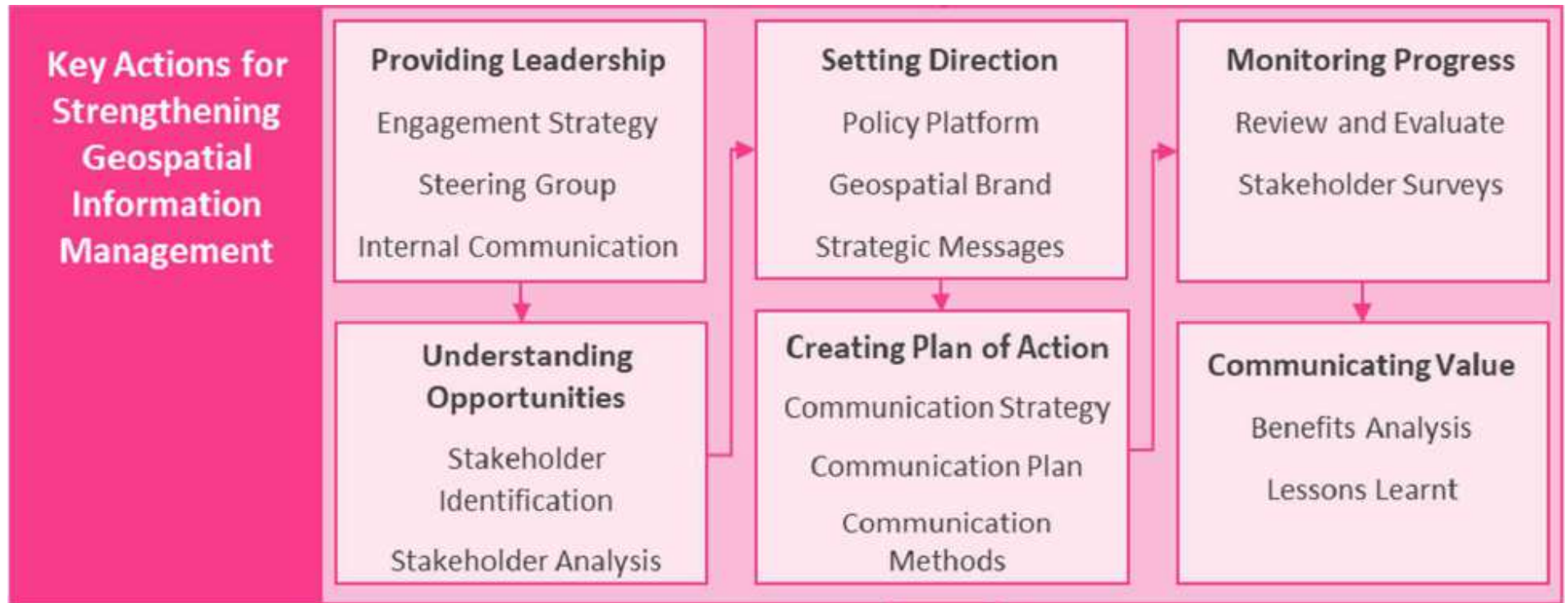
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SP9: Communication and Engagement

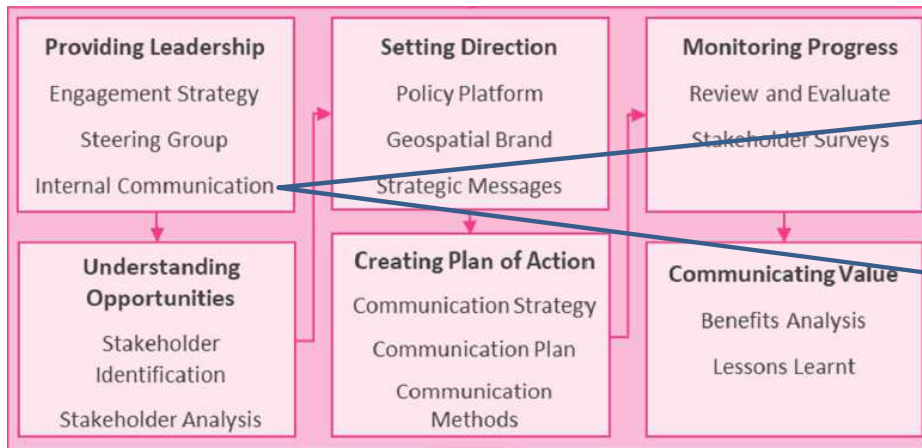


SP9: Key Actions



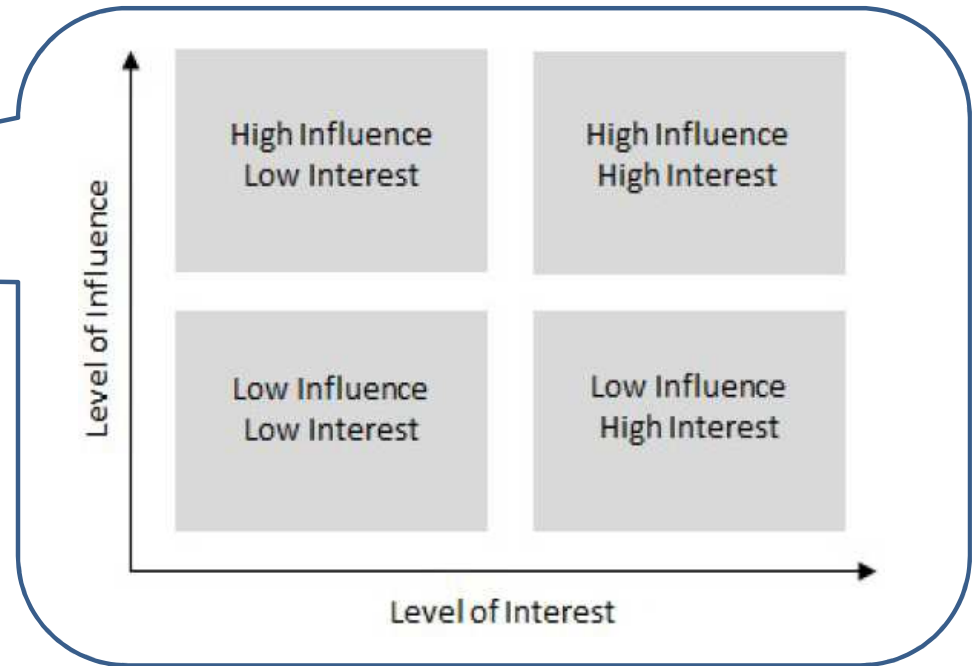
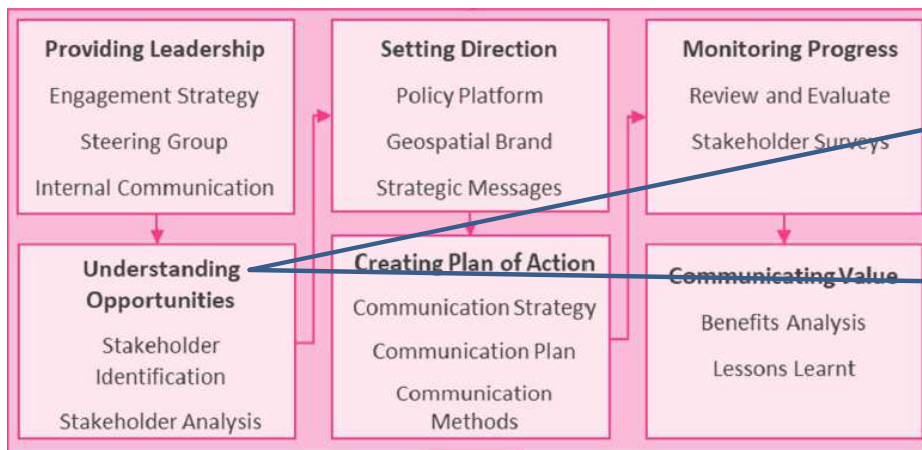
SP9: Key Actions

Internal as well as external



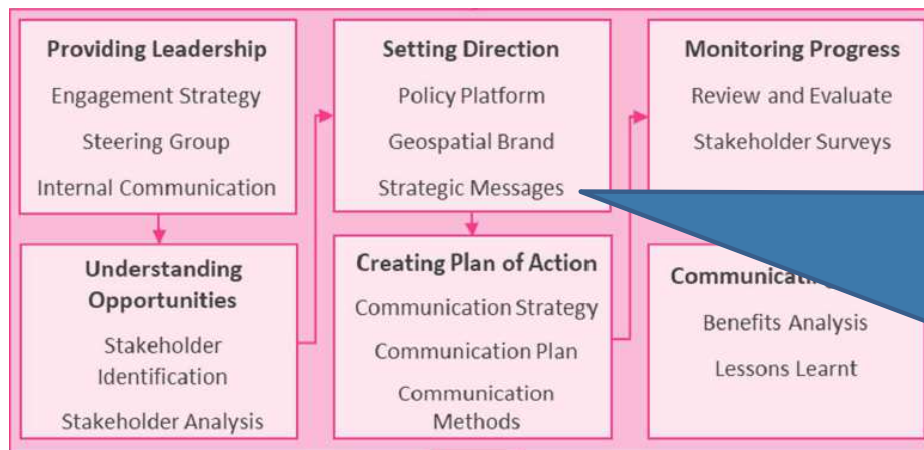
SP9: Key Actions

Identify key stakeholders



SP9: Key Actions

Consistent relevant strategic messages

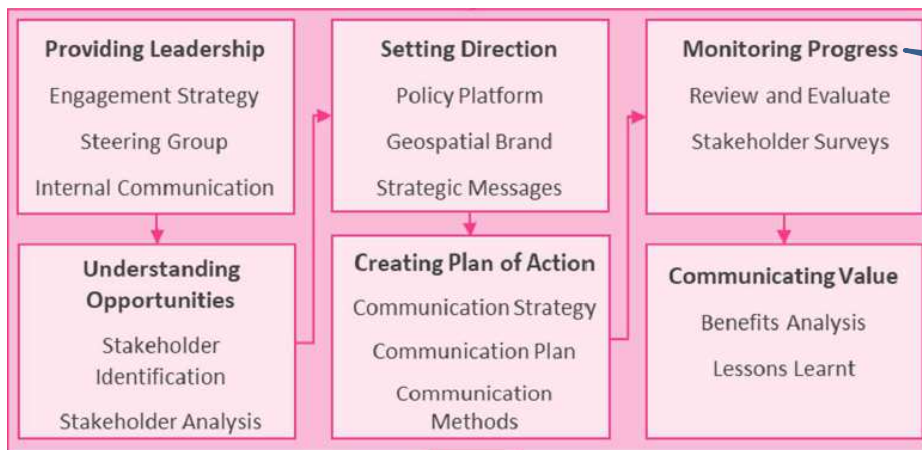


“Every thing happens somewhere” (Nancy Tosta)
“\$7.5 - \$13 billion unrealised economic value to UK across 5 sectors” (UK Treasury)
“Government revenue”
“Digital Earth” (Al Gore) “Digital Transformation”,
“Digital Twin”, “Smart Nation”
“Digital Scaffolding” (Daniel Zhang – CEO Alibaba)



SP9: Key Actions

Meaningful and timely intervention

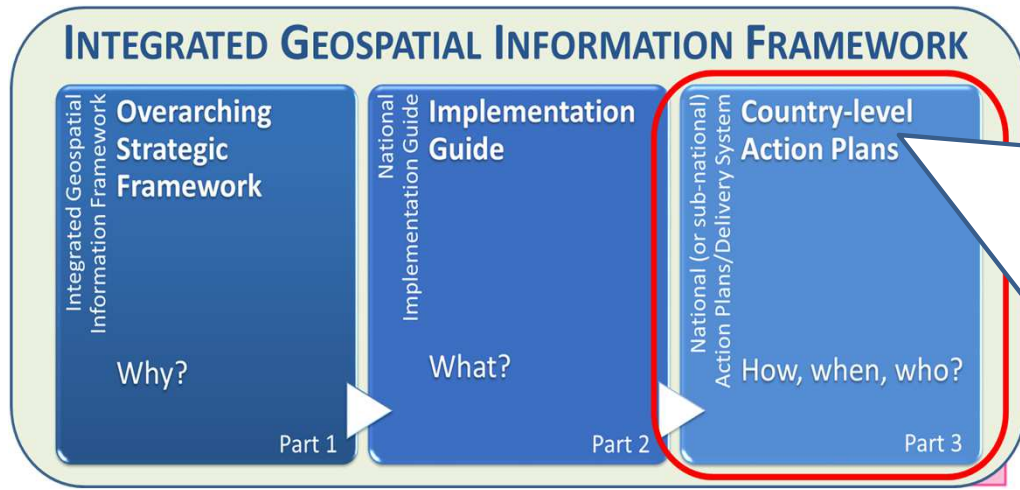


“We don’t know when the next epidemic will strike, but I believe we can protect ourselves if we invest in better tools, a more effective early detection system, and a more robust global response system... There are also some interesting advances that leverage the power of computing to help predict where pandemics are likely to emerge and model different approaches to preventing or containing them.” (Bill Gates, 2018)



SP9: Key Actions

Communicating Value



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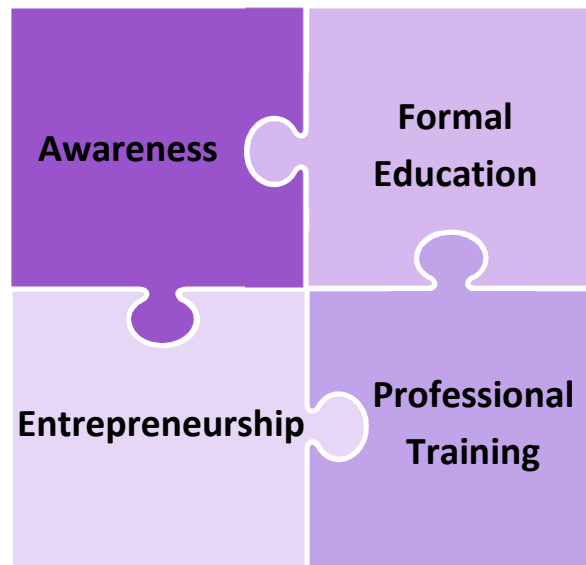
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The People Pillar

Partnerships



Capacity & Education



Communication & Engagement

