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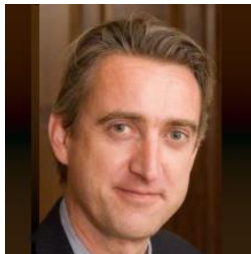


Open
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IGIF-MSDI Maturity Roadmap

“Quick-Start Guide for undertaking an IGIF-aligned MSDI”

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MSDI Four Pillars: IHO C-17 (2009)



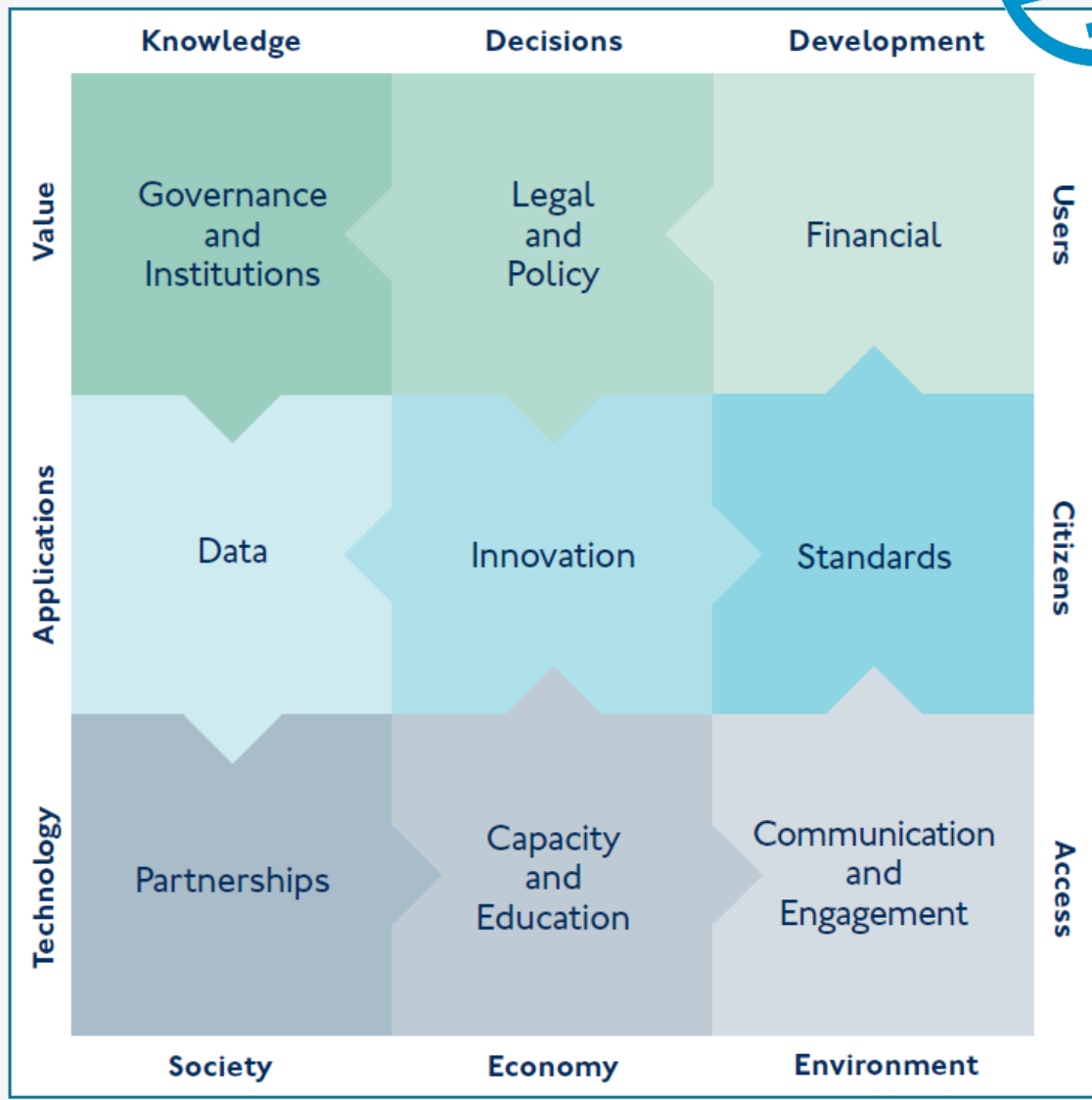
The UN-GGIM IGIF Nine Pathways model



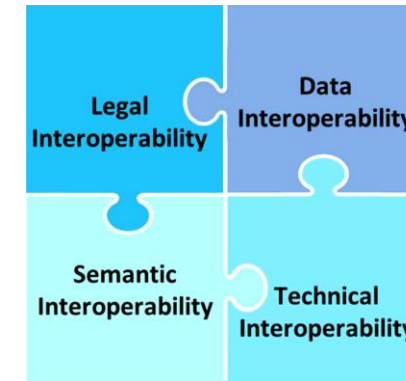
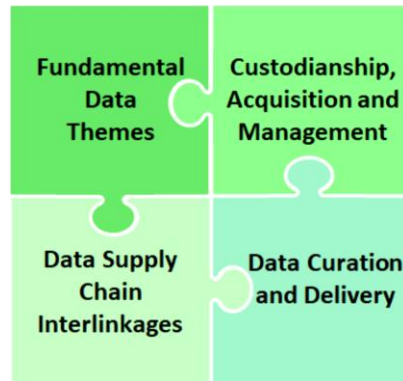
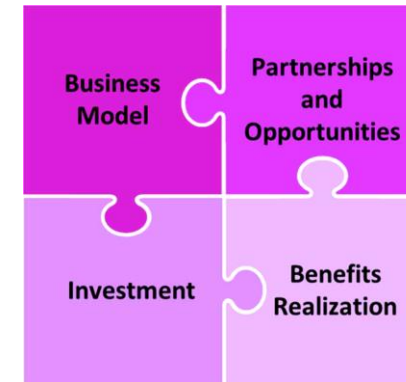
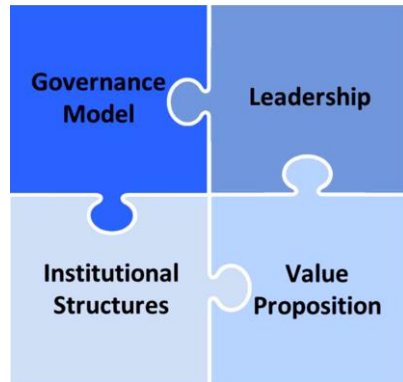
Governance

Technology

People



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381 Pages of IGIF Resources

UN MGI-WG

IGIF-Hydro

Overarching Strategic Framework

"Solving the Puzzle"

Implementation Guides: Strategic Pathways #1 to #9

Other global Frameworks under the IGIF umbrella where applicable ...
Including the *Fundamental Geospatial Data Themes* and the *Global Statistical Geospatial Framework*

Publication C-17: Marine Spatial Data Infrastructures



Over 400 Pages of MSDI Resources

IHO MSDIWG (Global)

Regional Hydrographic Commission MSDIWG Papers & Resources

Varies across IHO regions

Not all connections are shown



IGIF-MSDI Maturity Roadmap

Other DWGs & SWGs
Marine DWG
OGC Technical and Planning Committees
Open Standards

IGIF-Aligned Country Action Plan

World Bank Financing

IGIF-Aligned Socioeconomic Plan

IGIF Alignment to Policy Drivers

SDI Diagnostic Toolkit

Regulations & Directives

Laws & Statutes

Political Officials

Industry Code(s) of Conduct

National Ethics Framework

National (Geo)Data Strategy or Vision

Government and National Agencies

Examples only

* Where this is applicable



The Context of UN-GGIM, IHO and the OGC



Foundation Elements: Financing & National Ecosystem


THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



SDI Diagnostic Toolkit

Laws & Statutes

Alignment to Policy Drivers

National Geodata Policies

Socio-Economic Plan

National Geodata Policies

Country Action Plan

Industry Ways of Working

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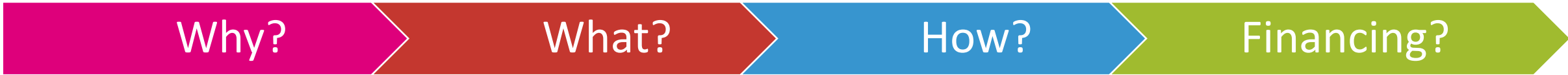


WHY?
Socioeconomic motivations and inclusive benefits from global geospatial information management

WHAT?
Developing a spatial data infrastructure suited for unlocking the value in marine and maritime data

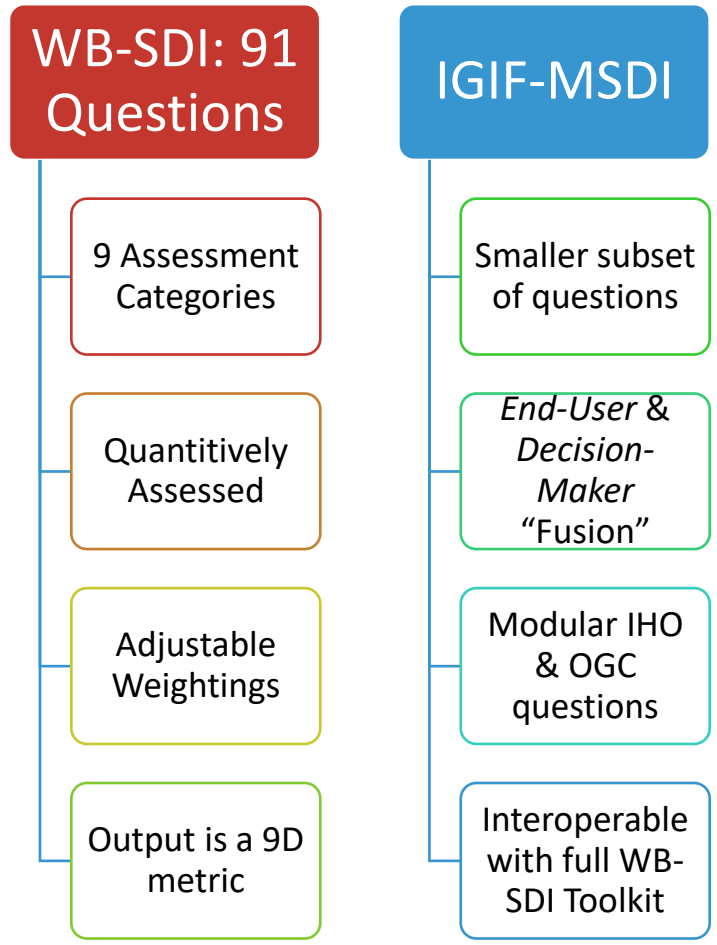
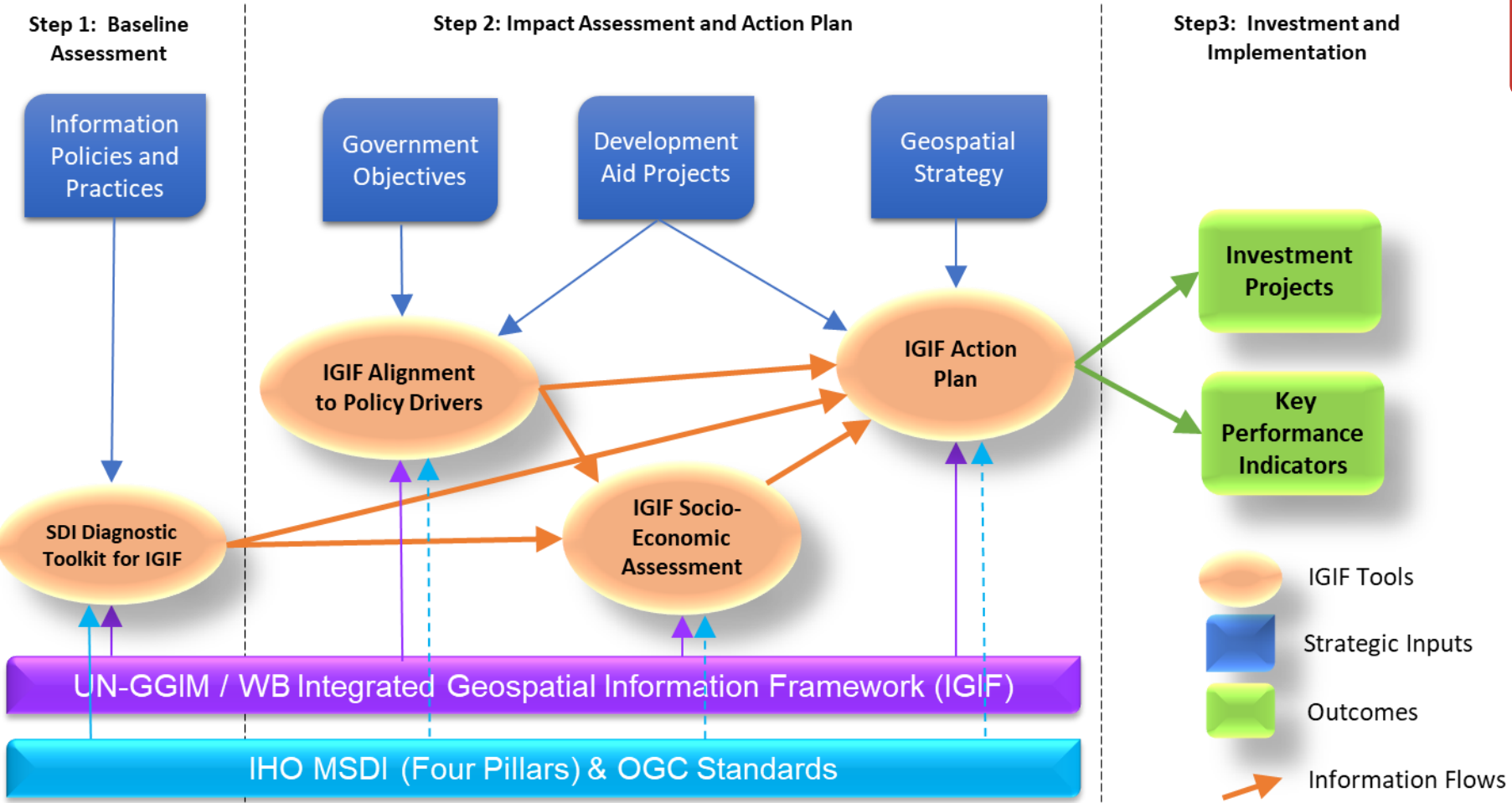
HOW?
Implementing OGC Standards to maximise the capabilities of Tech via cost benefits of interoperability

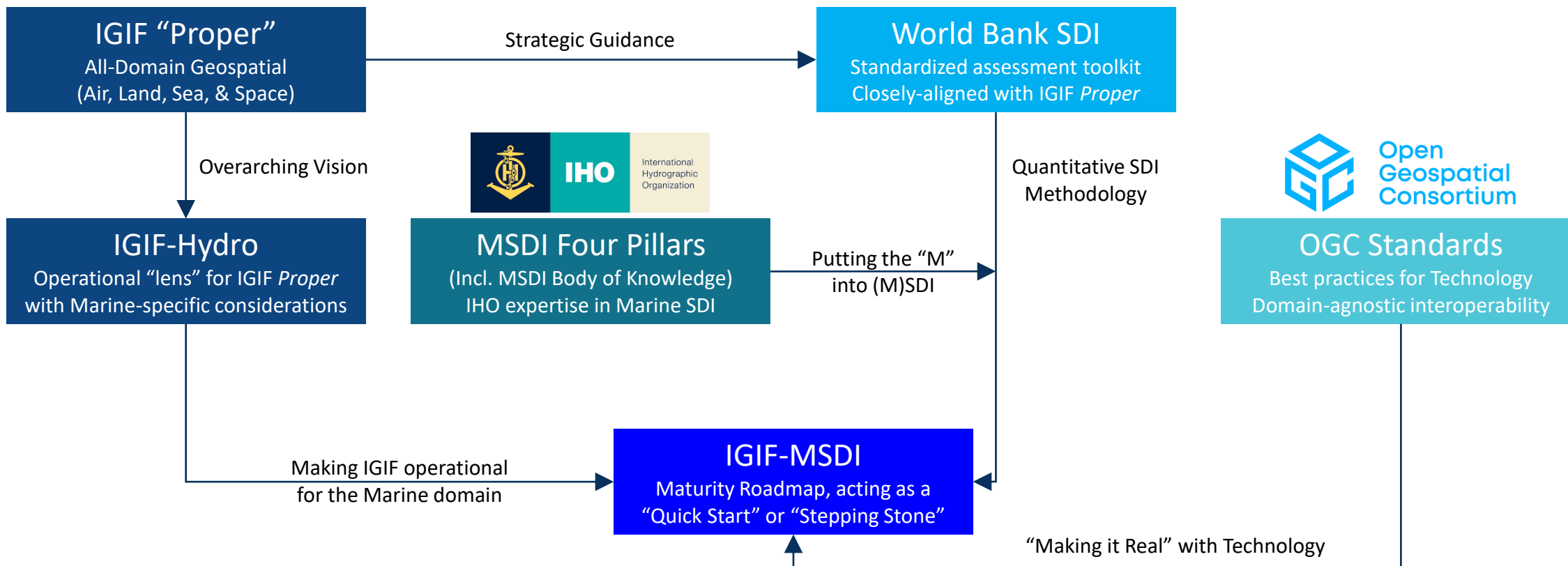
FINANCING?
Defining and measuring socioeconomic benefits to justify and/or monitor the use of financial resources



STRATEGICALLY ITERATE
Fixed review period (5 or 10-year), linked to Political cycle(s), or external triggers (geopolitical, technological or environmental).

World Bank IGIF Methodology (with IHO/OGC Contribution)





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IGIF-MSDI Maturity Roadmap



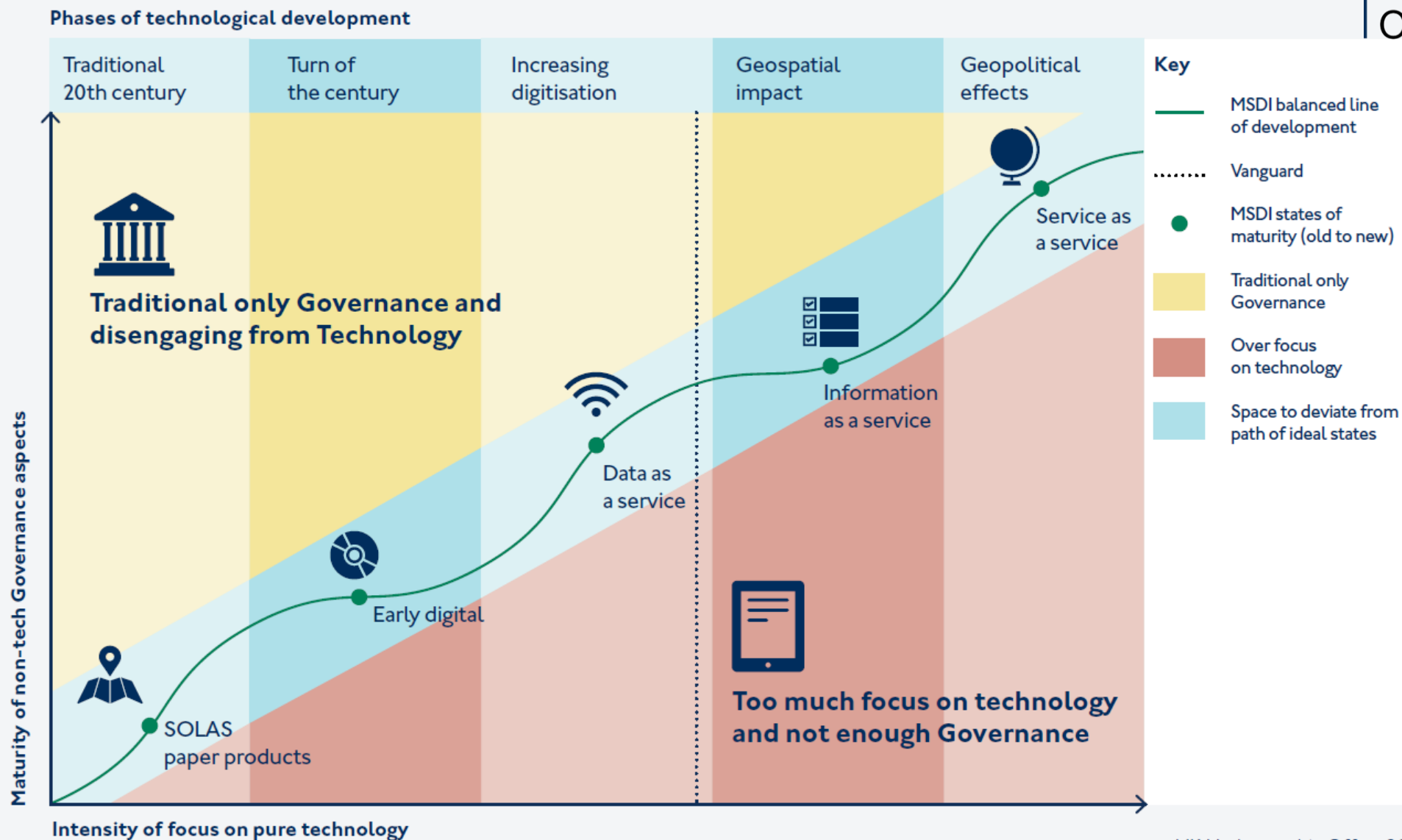
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MSDI is a Pathway, Maturity is a State





Who?		For Hydrographic Offices (or national equivalents)	
Why?		Intra and cross-agency engagement is key to success	
What?		Alignment of an MSDI implementation with the IGIF	
When?		Pre-implementation to early and middle stages	
Where?		As a stepping-stone to the full IGIF-MSDI ecosystem	
How?		Early alignment will reduce future costs of divergence	

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