

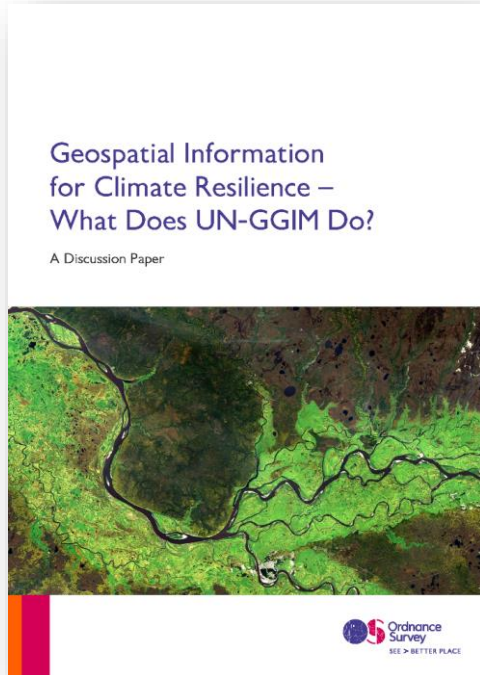
UN-GGIM 15th Session Side Event: Climate, Environment and Resilience

ACHIEVING A RESILIENT PLANET WITH GEOSPATIAL INFORMATION

UN-GGIM Task Team on Geospatial
Information for Climate Resilience



How do we engage?



Recommendation
(i)

Establish a Task Team

Recommendation
(ii)

Convene an international forum on geospatial information for climate resilience

Recommendation
(iii)

Develop a Concept Paper



Why do we engage?



Home

Tasks

New Case

Find Case

Find Tax Parcel (2019)

Find Tax Parcel (2022)

Find Buildings (2015 LIDAR)

Find Buildings (2019)

Explore Published Maps

Find Contact

Map

Administration

Site Data

Cases

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Actions

Detail	Case Type	Case Number	Appl title	TCDDO FILE NO.	CZMU FILE NO.	Case Applicant	Review Status	Determination	Extract	Location	Case Rc Date
Detail	DEVAPP	DEVAPP-2024-8123	Demolition of a Building	0725/09/2024B	-	XQ (APP)	AT CZMU	IN REVIEW	Demolition of a Bul ...	Bay Street, St. Michael	05-27-201
Detail	DEVAPP	DEVAPP-2024-8108	Erection of a Beach House	2786/12/00D	02/02/2001 E-B	National Housing Corporation (APP)	AT TCDDO	APPROVAL WITH CONDITIONS	Erection of a Beach ...	Bath, St John	12-09-20K
Detail	DEVAPP	DEVAPP-2024-8107	Erection of a Beach Facility (Public Washrooms)	1587/06/01D	22/11/2001 SE-S	National Conservation Commission (APP)	AT TCDDO	APPROVAL WITH CONDITIONS	Erection of a Beach ...	Silver Sands, Christ Church	10-21-201
Detail	DEVAPP	DEVAPP-2024-8106	Erection of a hotel & condominium building @ Maxwell Coast Road Christ Church	0305/03/2024D	-	Gordon Seale (APP)	AT CZMU	IN REVIEW	Erection of a hotel ...	Maxwell, Christ Church	05-15-201
Detail	DEVAPP	DEVAPP-2024-8104	Renovation of Existing Building and Addition of Floor for 4 Apartments and 2 Shops	0440/03/00C	15/07/2001 W-S	Soraya Wamock-Smith (APP)	AT TCDDO	APPROVAL WITH CONDITIONS	Renovation of Existi ...	Sand Street, St. Peter	03-02-20K
Detail	DEVAPP	DEVAPP-2024-8103	Erection of a Residence	0009/01/01C	05/03/2001 W-P	Douglas Greenidge (APP)	CLOSED	APPROVAL WITH CONDITIONS	Erection of a Reside ...	Prospect, St James	01-02-20K
Detail	DEVAPP	DEVAPP-2024-8098	Erection of a double house @ Lot 1, Mount Standfast, St James	0423/03/2024C	-	Betty Greenidge (APP)	AT CZMU	IN REVIEW	Erection of a	Mount Standfast, St James	04-11-201

Home

Tasks

Map

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Location Map

+

-

🔍

Layers

Toggle All

Media Point

Study Buildings

Land Tax Parcels

Emergency Shelters

BWA Critical Infrastructure

2010 Enumeration Districts

Landslide Slope Risk

LIDAR Buildings

Case Location

Mitigation Polygon

Cliff Collapse 50yr

Cliff Collapse 100yr

Landslide Hazard

Flooded Areas 100yr Rainfall

Legend

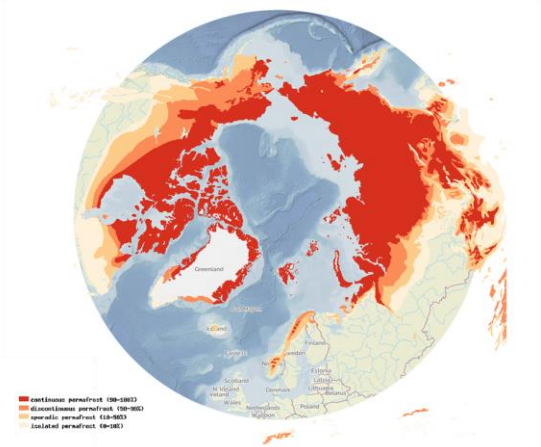
Map Tools

Map Options

National Case Studies

Collaboration – Arctic SDI

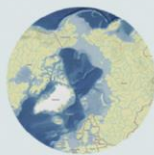
Map below shows permafrost extent for the circumpolar Arctic as displayed in the Arctic SDI Geoportal



Key Statistics / Insights

- **Number of Geospatial Datasets Harmonised:** 90+ layers comprising geospatial data from the 8 Arctic nations (**place names, topography, elevation, and emerging circumpolar earth observation data on wetlands, methane and black carbon**)
- **Coverage:** Circumpolar Arctic including **lands and waters**
- Data discovery and access is enabled through the **Arctic SDI Geoportal**, which uses OGC approaches to support interoperable use of Arctic SDI products

ARCTIC SDI GEOPORTAL

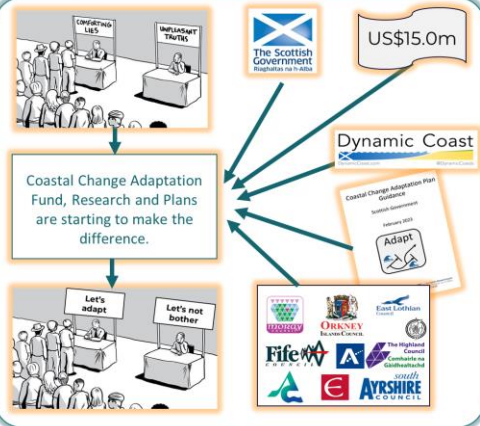


Direct link – Get access to topographic reference data, search for data and tools to create Arctic maps

Arctic SDI Geoportal >>

Arctic SDI webpage links you to the Arctic SDI Geoportal

Monitoring change – Scotland



Coastal Change Adaptation Plans

2022 2023 2024

Coastal Change Adaptation Case Studies

US\$2.0m so far on ...

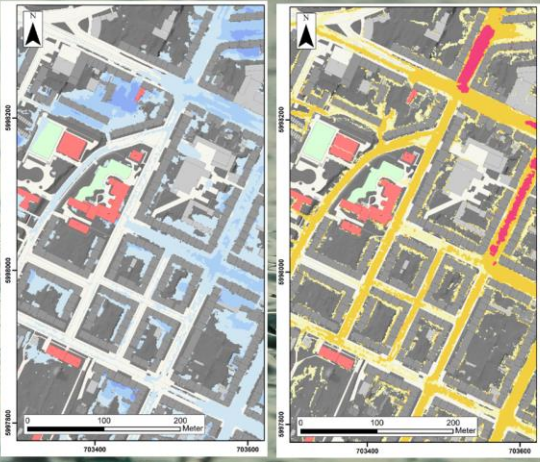
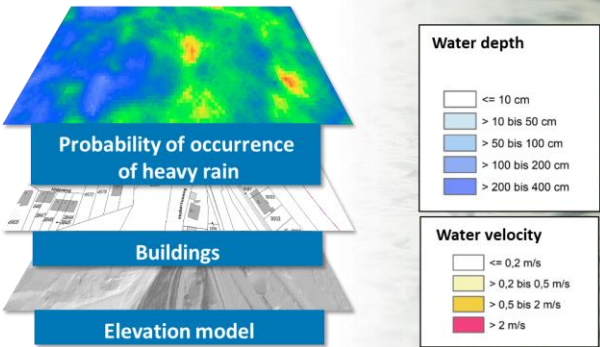
- Learning by doing
- Community projects
- Novel monitoring
- Nature based actions

Standardization – US Virgin Islands

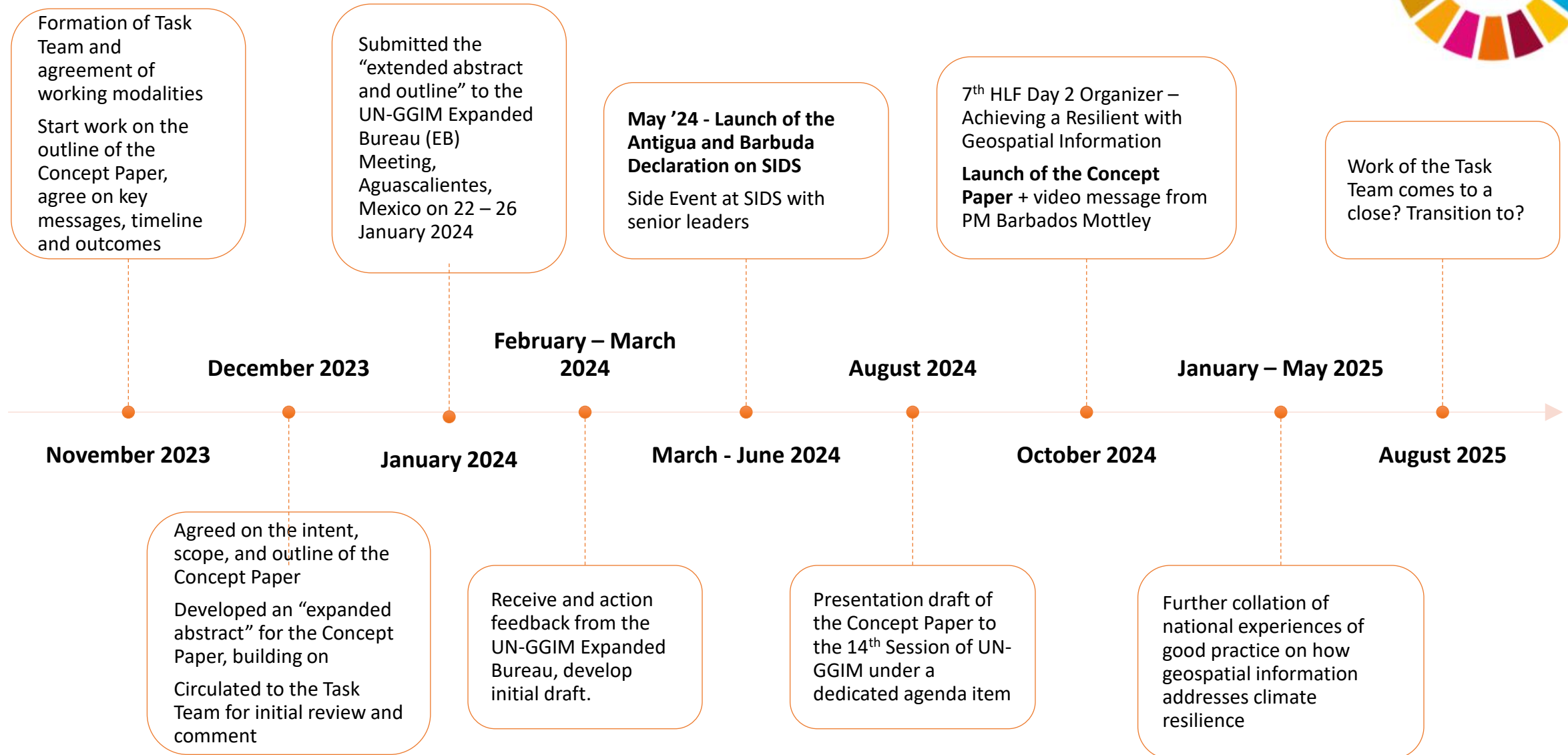


Technology – Digital Twins Germany

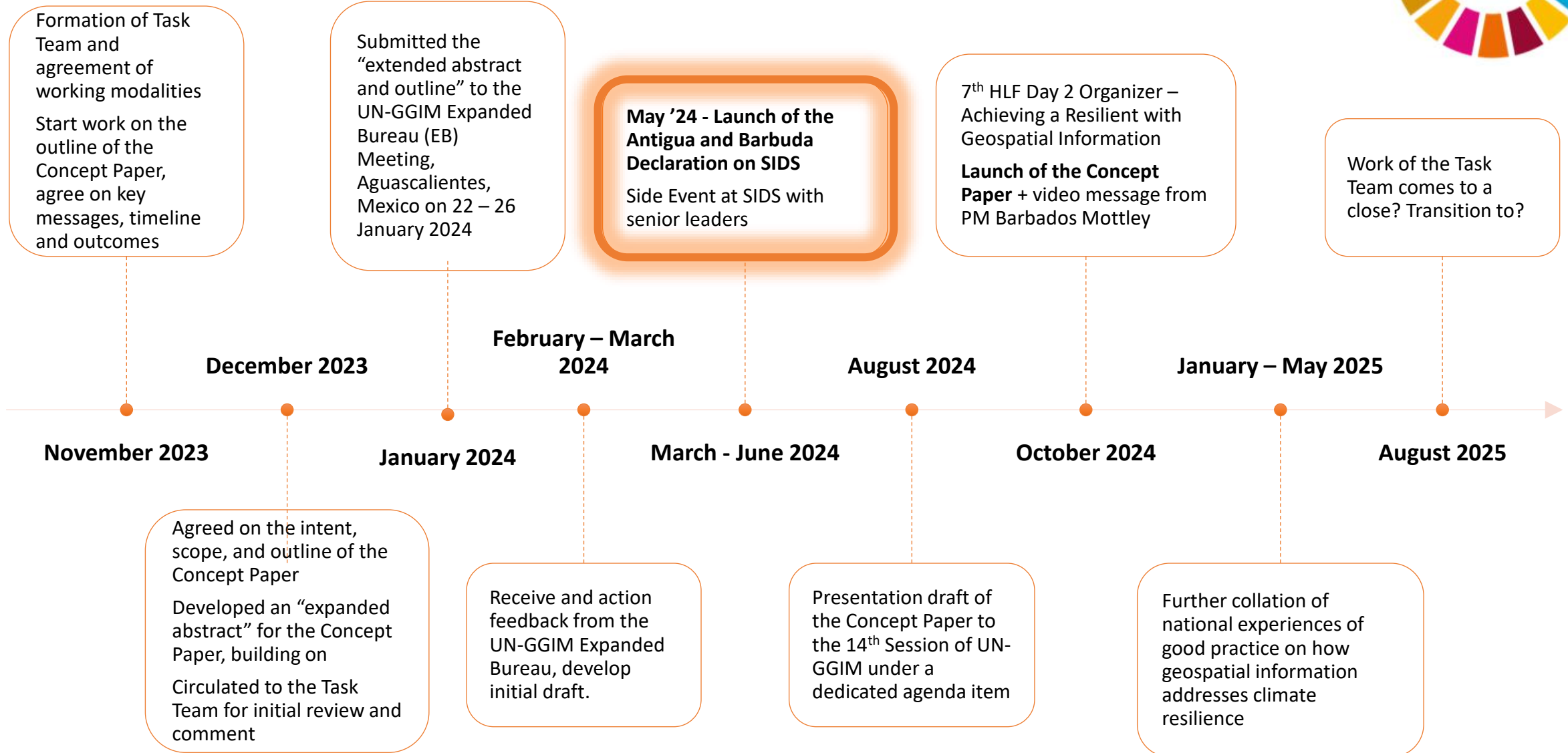
- Calculation of Floodplains, water depth and velocity
- Based on standard rainfall scenarios



Timeline of Achievements



Timeline of Achievements



Virtual side event on

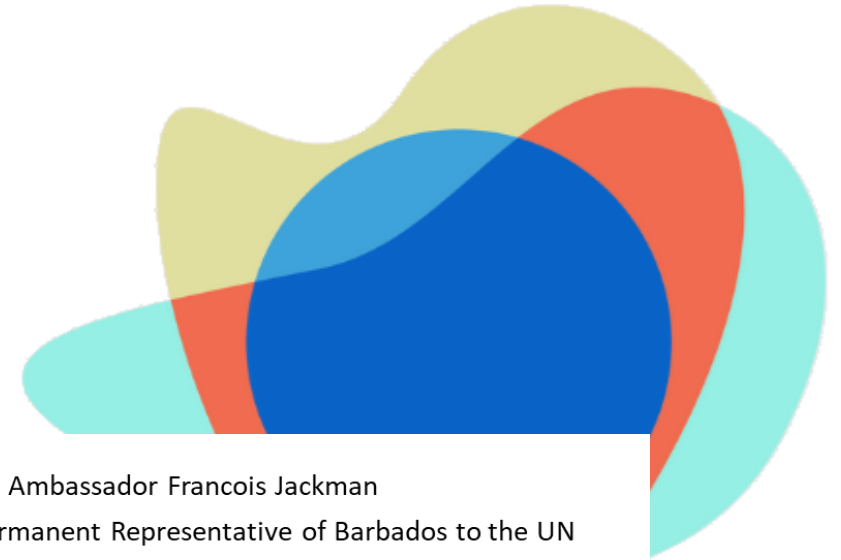
LEVERAGING GEOSPATIAL INFORMATION FOR CLIMATE RESILIENCE

4th International Conference on Small Island Developing States

Wednesday 29 May 2024
08:00am to 09:30am EDT/UTC-4
ggim.un.org | [@UNGGIM](https://twitter.com/UNGGIM)



UN-GGIM
UNITED NATIONS
COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



HE Ambassador Francois Jackman
Permanent Representative of Barbados to the UN
Barbados

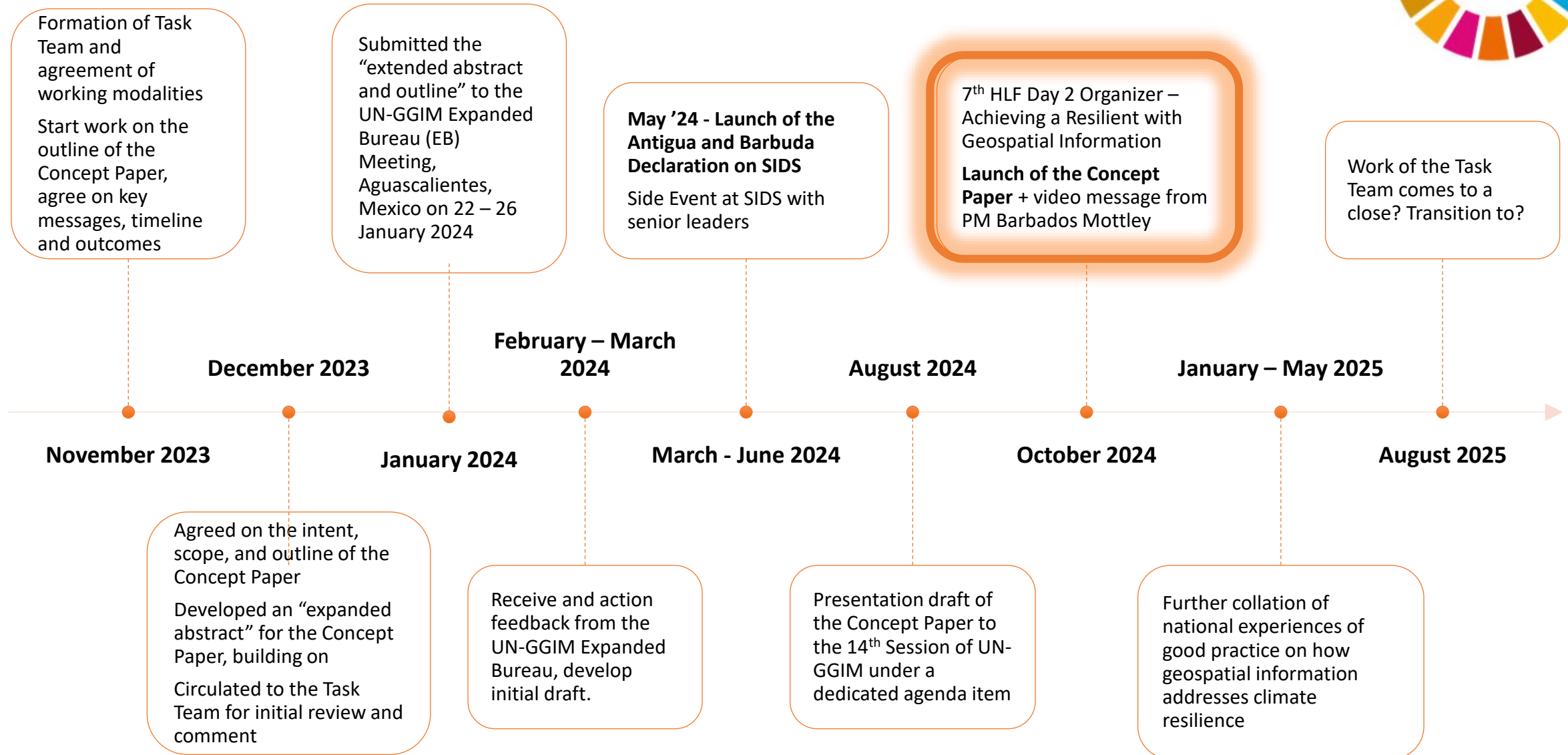


HE Ambassador Elizabeth Thompson
Ambassador Extraordinary & Plenipotentiary with
Responsibility for Climate Change, Small Island
Developing States and Law of the Sea
Barbados



Ms Rebecca Fabrizi
SIDS Envoy
United Kingdom

Timeline of Achievements





8-10
OCTOBER
2024

ACCELERATING IMPLEMENTATION; ACHIEVING RESILIENCE



UN-GGIM
UNITED NATIONS
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GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

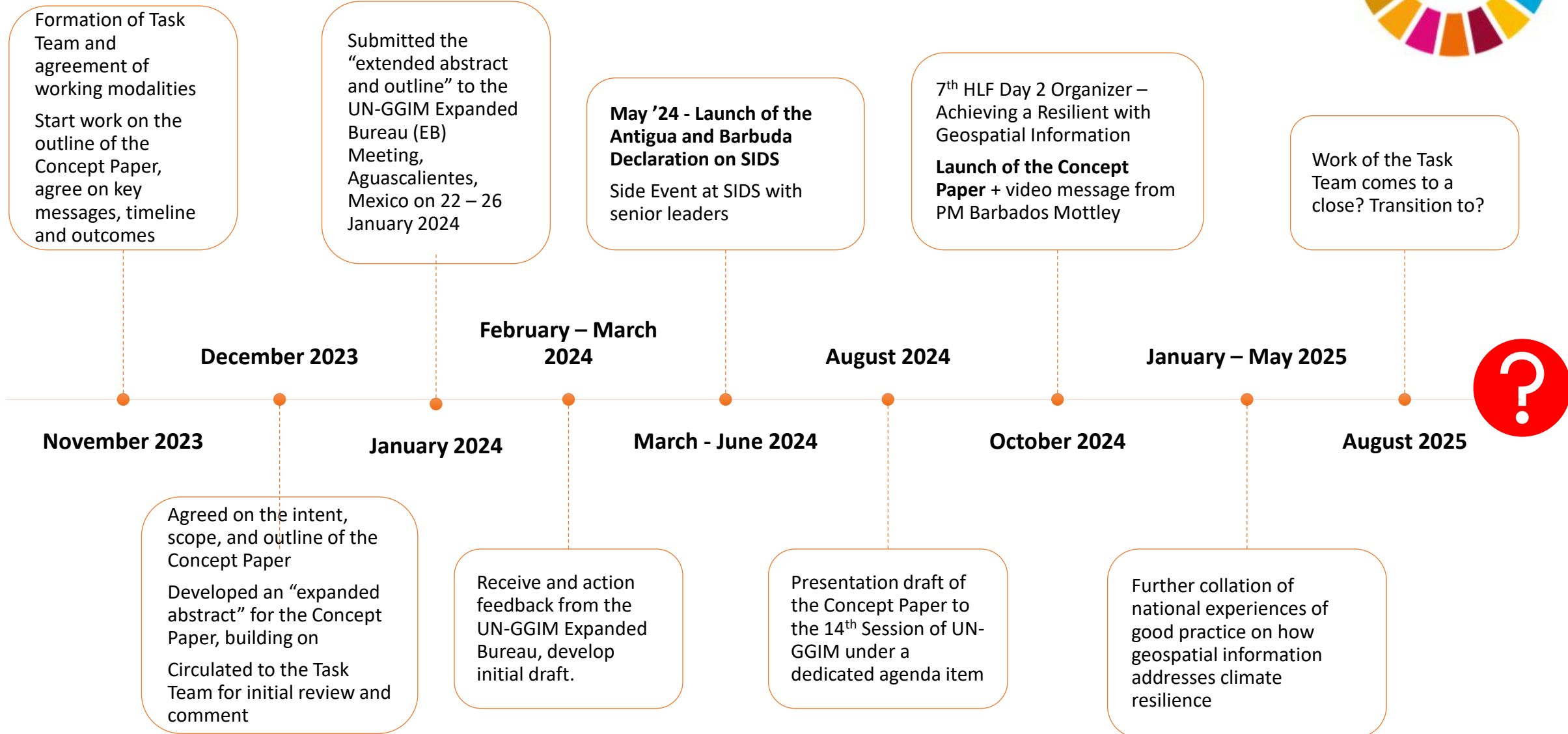


Applying geospatial information to climate challenges

UN-GGIM Task Team on Geospatial Information
for Climate Resilience
August 2025



Timeline of Achievements



Moving forward

UN-GGIM Strategic Framework 2025-2030

AMBITION & FOCUS	VISION	A WORLD WHERE GEOSPATIAL INFORMATION SOLVES LOCAL TO GLOBAL CHALLENGES													
	MISSION	Ensure geospatial leadership, resources and capabilities are coordinated, integrated, sustainable, accessible, and useable by Member States and society to effectively address national priorities, and ensure sustainable development, beyond 2030, leaving no one behind.													
	STRATEGIC GOALS & OBJECTIVES	Leading global geospatial information management policies, frameworks & arrangements.	Fostering effective partnerships & collaborations for Member States and the global geospatial community.	Enhancing the global availability, accessibility	Accelerating the use, integration, & implementation	Implementing United Nations geospatial mandate in	Strengthening the Committee's global architecture &								
DRIVERS & PRIORITIES	GLOBAL POLICY AGENDAS	Sendai Framework for Disaster Risk Reduction 2015 - 2030	Paris Agreement on Climate Change	PRINCIPLES & BENEFITS	OPERATING PRINCIPLES	Global Thought Leadership	Strategic Engagement & Communication Across Sectors	Digital Transformation & Safeguarding	Guidance & Good Governance	Data Driven Decision-Making	Diversity, Equity and Inclusion	Accessibility, Interoperability & Transparency	Collaborative Multi-Stakeholder Partnerships	Capacity Development & Knowledge Sharing	
					DIRECT NATIONAL BENEFITS & EFFICIENCIES	<ul style="list-style-type: none">• Societal value: Leadership to enhance and sustain value of geospatial information and knowledge for social, economic and environmental benefits• Bridging the geospatial digital divide: Empower digital transformation, reducing inequalities in geospatial access and use• Authoritative and reliable data: High-quality, managed and current geospatial data available at scale for decision-making• Enhanced return on investment: Coordinated use and reuse of data and technologies for increased return on investments• Stronger evidence-based policies: Reliable integrated data and systems to enhance science- and data-driven policy, decisions & implementation• Efficient and accountable governments: Open, responsive, coordinated and enhanced capacity in governments and institutions• Empowered workforce and innovation: Strengthened skills, diversity, and innovation in human capital, jobs and entrepreneurship• Improved stakeholder engagement: Greater communication and awareness foster understanding and organizational value• Integrated knowledge sharing: Strategic data integration and knowledge exchange support government and resilient societies• Strengthened regional and cross-border cooperation: Enhanced collaboration for shared goals and sustainable development									
	GLOBAL TO NATIONAL DRIVERS	Sustainable Development	Economic	DELIVERABLES	WORK STREAMS	<ul style="list-style-type: none">• Leverage the leadership, commitment and resources in geospatial information of Member States, regional, thematic networks and others• Strengthen the contribution and role of geospatial information towards achieving the Sustainable Development Goals, and other global agendas• Enhance the coordination, coherence, financing and capacities of global-to-local geospatial information management arrangements• Improve geospatial governance and guidance, aligning national and global frameworks and good practices• Guide the transparent, diverse, equitable and inclusive availability, access and use of geospatial information management for society• Oversee the strategic orientation and guide the activities of the global geospatial centres of excellence• Foster direction and readiness to utilize emerging technologies towards determining the future geospatial information ecosystem• Provide strategic leadership towards the adoption and implementation of integrated geospatial information management and frameworks• Lead the coordination and collaboration to enhance and strengthen the global geodetic reference frame and geodesy supply chain• Promote the use of geospatial information data, methods, tools and services for climate, environment and resilience• Integrate geospatial and statistical information through implementation and operationalization of related frameworks• Advance the role of integrated geospatial information for effective land administration and management• Guide and encourage the availability, accessibility and integration of marine geospatial information• Address policy and legal issues in geospatial information management including related to emerging technological advancements• Demonstrate the benefits of implementing and adopting geospatial standards for the global geospatial community• Strengthen synergies and partnerships particularly with other intergovernmental processes, international organizations related to science, technology, innovation, geographical names, statistics, data to maximize the impact of geospatial information in all its forms									
		Resilience Energy	Prosperity Employment												
		Innovation	Digital Infrastructure												
	GLOBAL TO NAT. GEOSPATIAL PRIORITIES	Guidance	Policy Governance												
		Digital Ecosystems	Integration												
		Demographics	Land Administration												

ALIGNMENT

Alignment with UN-GGIM Strategic Framework 2025 – 2030

ADVOCACY & ENGAGEMENT

The need for strong advocacy and greater engagement outside of UN-GGIM

INTERCONNECTED MANDATE

A well-defined mandate to help streamline the work

CROSS-CUTTING PRINCIPLES /APPROACHES

Foster cross-cutting principles and approaches

**Thank you on behalf of the
Task Team on Geospatial Information for
Climate Resilience**