



FIG WORKING WEEK 2021

Smart Surveyors for Land and Water Management

KEYNOTE SESSION

Integrated Geospatial Information for Transformational Change

(Update on the Development of the IGIF and the Intended Way Forward)

Rosamond C. Bing
Chief Executive Officer



Strengthening IGIF in developing countries can be achieved through the implementation of an integrated approach to geospatial information management

- **PGSC Annual Meeting 2018**
- **UNGGIM Legal and Policy Framework / IGIF 2018**
- **PGSC launched its 10-year Strategic Plan (2017 – 2027)**
- **SAMOA Pathway**
- **Membership of UNGGIM**



- **PGSC Annual Meeting 2018**



4th Meeting of the Pacific Geospatial and Surveying Council



9th-12th April 2018,
Nuku'alofa, Tonga.



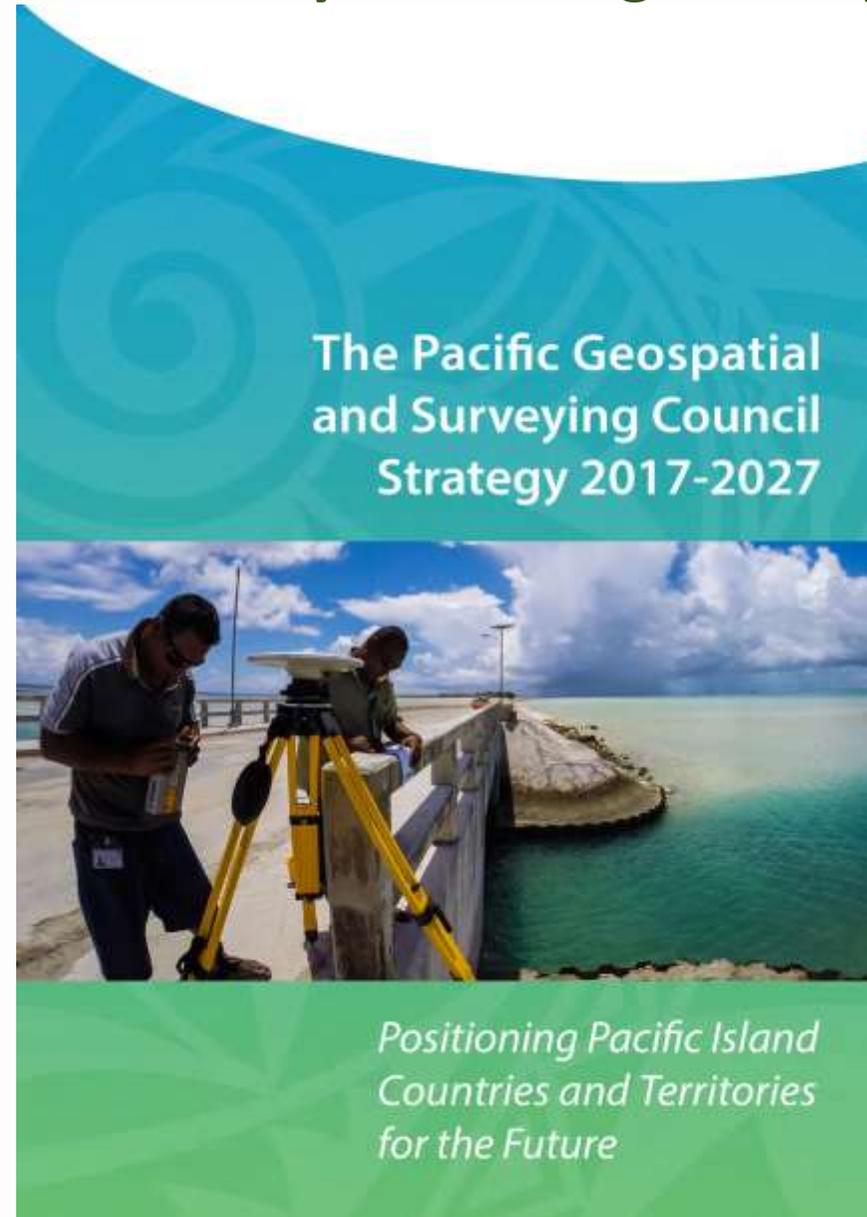


- **UNGGIM Legal and Policy Framework / IGIF 2018**



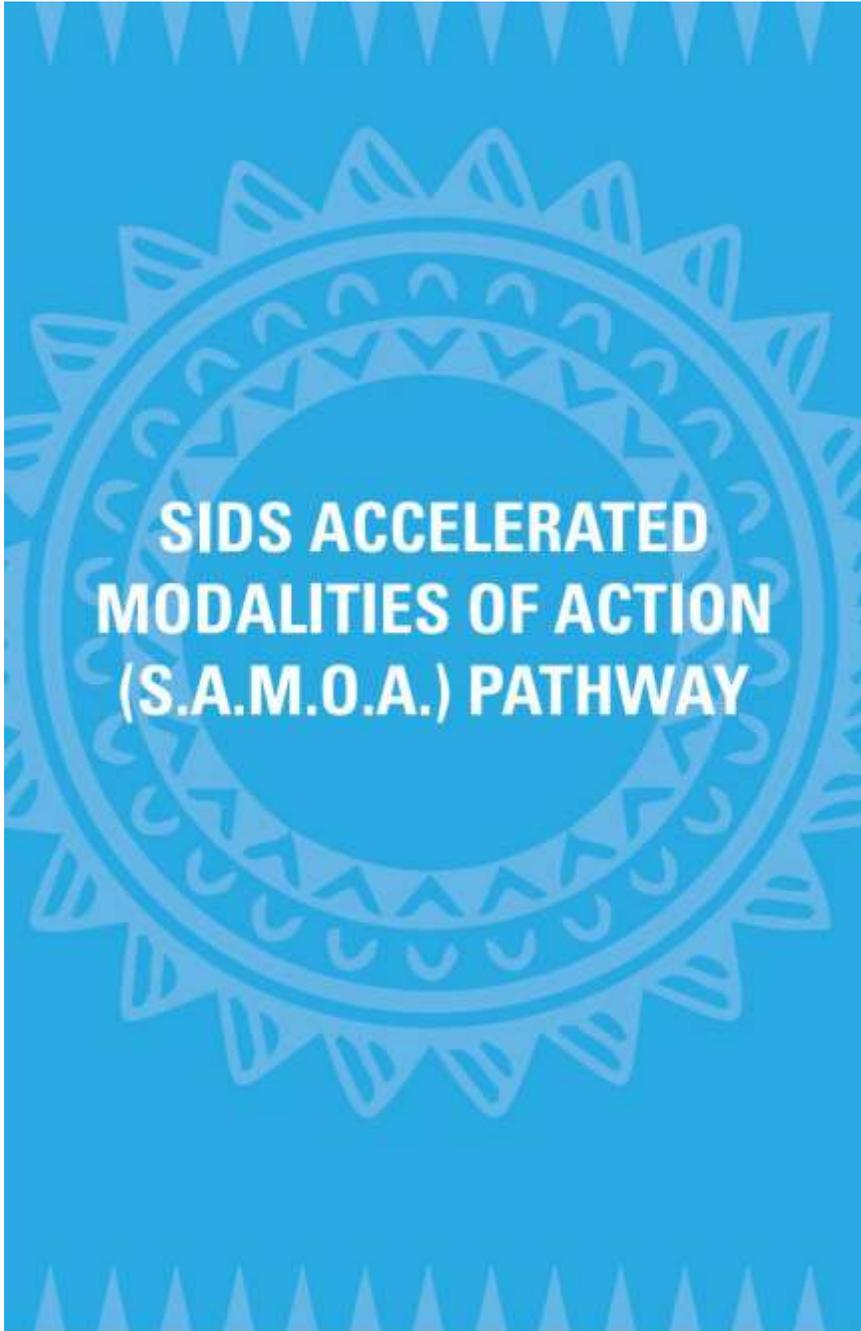


- **PGSC launched its 10-year Strategic Plan (2017 – 2027)**





- **SAMOA Pathway**

A blue rectangular graphic with a white circular emblem in the center. The emblem contains the text 'SAMS ACCELERATED MODALITIES OF ACTION (S.A.M.O.A.) PATHWAY'. The background of the graphic features a repeating pattern of stylized white triangles.

**SAMS ACCELERATED
MODALITIES OF ACTION
(S.A.M.O.A.) PATHWAY**



- Membership of UNGGIM



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

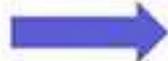


The Integrated Geospatial Information Framework provides a basis and guide for developing, integrating and strengthening geospatial information management.

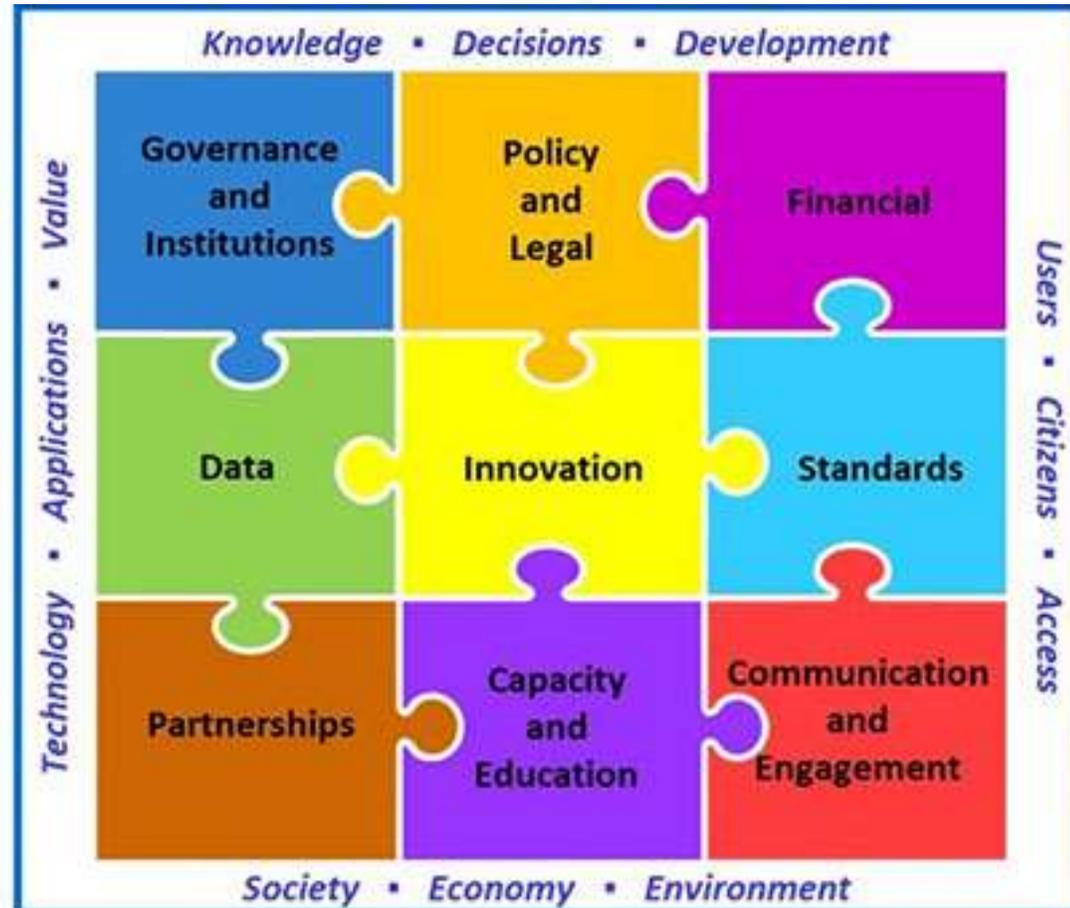
Governance



Technology



People



Anchored by 9 Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.



Aligned to national strategies and arrangements – Tonga Strategic Development Framework II

- **National Outcome A – More inclusive, sustainable and dynamic, knowledge-based economy**
- **National Outcome F – More inclusive, sustainable and effective land, resources and environment management and resilient to climate change and risk**



Aligned to national strategies and arrangements – UNGGIM Engagement

- **Legal and Policy Frameworks for GIM (Draft Annotated Geospatial Information Data Sharing Agreement and Form Geospatial Information Management Policy and Model GIM Legislation)**
- **Land Administration and Management (Framework for Effective Land Administration)**
- **Subcommittee of Geodesy – (Concept Paper on Establishing a Global Geodetic Centre of Excellence) (Position Paper on Sustaining the Global Geodetic Reference Frame)**



IGIF multi-dimensional and responding to clear policy needs

- **Strengths of IGIF – structured approach – SDGS / IGIF 9 Pathways / Corporate Plan 10 Strategic Themes / Country Action Plan**
- **Ridge to Reef concept in project implementation**
- **WASH – Water Resources Management Act 2020**
- **Multi-Hazard Early Warning Systems**



IGIF multi-dimensional and responding to clear policy needs

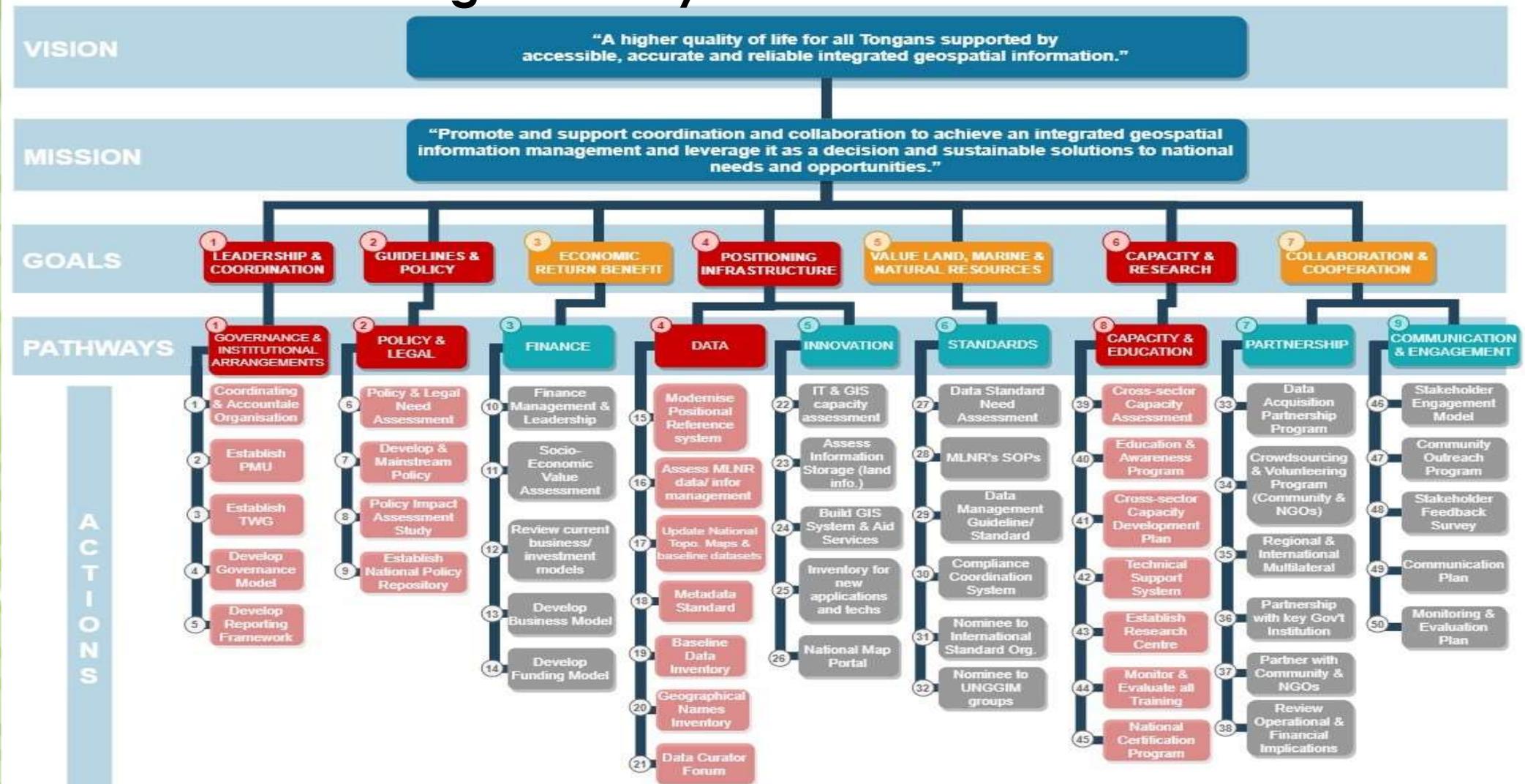
- Corporate Plan – Strategic Theme





IGIF multi-dimensional and responding to clear policy needs

- Tonga Country Action Plan





IGIF multi-dimensional and responding to clear policy needs – Regional



Vision

Sustainable development in the Pacific Islands region enabled by world-class geospatial information and surveying services.

Mission

Pacific Island survey and geospatial services, including hazard mapping, urban planning, cadastre mapping, hydrography and other geospatial requirements for sustainable development, are sufficiently resourced to respond to member country priorities.

Goals

1

The PGSC enables regional leadership, direction and support for member states to engage stakeholders and the community on geospatial and surveying activities

2

Countries across the region adopt a modern Geodetic Reference Frame (GRF) and technology underpinning geospatial systems and applications

3

Geospatial and surveying activities at the national and regional level are supported by a diverse and sustainable resource base

4

The geospatial and surveying community is self-reliant with a culture supportive of learning innovation and gender equity



Anchored into national development priorities – through the IGIF Tonga Country Action Plan Goals

- **Capacity building and sustainability – professional development and young professionals**
- **Collaboration and stakeholder engagement - inclusive**
- **Climate change adaptation and mitigation – post cyclone recovery and reconstruction / water resources management**



THANK YOU