



Building resilience in the Pacific :

SPC's seven dimensions

to address climate change

As the premier scientific and technical intergovernmental organisation in the region, the Pacific Community (SPC) is applying our collective capabilities in science, knowledge, and innovation to serve the people of the Pacific in reaching their resilient sustainable development goals and aspirations.

Climate change in the Pacific region

The Pacific is amongst the most vulnerable regions to climate change impacts. Even though Pacific Islands Countries and Territories (PICTs) account for only **less than 1% of the world's total greenhouse gas emissions**, they are disproportionately affected by climate change, which poses an existential threat to many PICTs'. It negatively impacts their **economies, infrastructure, water and food systems, public health, agriculture, livelihoods and for the lowest lying, the existence of their land.**

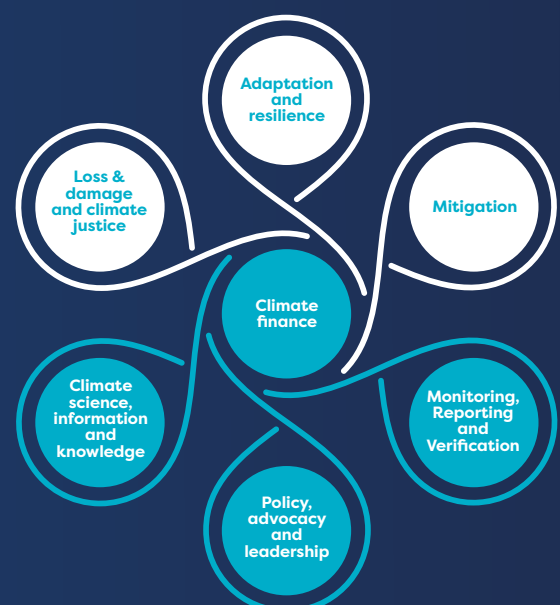
For over a decade, Pacific leaders have consistently declared that climate change is the greatest threat to the security and wellbeing of the region and in 2022 issued a **Climate Change Emergency declaration** based on vulnerabilities across the region.

Seven dimensions to fight climate change

SPC supports the implementation of a variety of programmes and activities through collaboration across its divisions and integrated programmes.

This work addresses climate change across seven interlinked dimensions to reduce emissions of greenhouse gases and support resilience to climate change in 22 PICTs. SPC's interventions aim to:

- **Enhance climate action** by promoting and facilitating the integration of environment and climate change into all aspects of development cooperation;
- **Strengthen capabilities and enable SPC Member States to develop national climate change plans** and access financial assistance mechanisms.





There is a **50%** chance of drought conditions increasing in the Pacific



Extreme rainfall events could intensify by about **7%** per degree of warming



By 2050 Pacific Island shorelines may retreat by **40** meters

Source : *Climate Change : The Physical Science Basis*, Intergovernmental Panel on Climate Change, 2021

Enabling action

Climate finance

- Direct Access Accredited Entity to the Green Climate Fund (GCF) and Adaptation Fund (AF)
- National prioritisation for climate action mobilising adequate and appropriate funding for resilient and low carbon development
- Collaboration with multilateral, bilateral and other funding sources

Climate science, information and knowledge

- Climate modelling and projections
- Geospatial and earth observation data
- Terrestrial and ocean science
- Traditional knowledge

Monitoring, Reporting and Verification

- Measurement of progress towards climate change objectives
- Reporting against national and international obligations and ambitions (e.g. Nationally determined contributions to reach zero-net emissions)
- Verification of reliability and compliance for transparency

Policy, advocacy and leadership

- Risk-informed policy instruments
- Science-based decision-making
- Strengthened capabilities for climate action
- Linking science and information to strong climate change negotiations

Climate action

Climate adaptation

- Observation, information and warning systems
- Resilient ecosystems
- Safe and secure water supply and sanitation
- Sustainable food production systems
- Disaster preparedness, response and recovery
- Security of maritime jurisdiction

Climate mitigation

- Renewable energy and energy efficiency
- Low emissions transport systems
- Sustainable forest management (REDD+ project)
- Energy efficient and low carbon economies

Loss & damage and climate justice

- Security of jurisdiction and resources
- Community resilience
- Preservation of culture and traditional knowledge
- Protection of human rights
- Health equity

About SPC

The Pacific Community is the principal scientific and technical organisation in the Pacific region, supporting development since 1947. We are an international development organisation owned and governed by our 27 country and territory members, including all 22 Pacific Island countries and territories. In pursuit of sustainable development to benefit Pacific people, our organisation works across more than 20 sectors, and we are known for our knowledge and innovation in such areas as fisheries science, public health surveillance, geoscience, and conservation of plant genetic resources for food and agriculture.

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