

Climate Information for Decision-making



Pacific countries are among the planet's **most vulnerable** in the face of **climate change**

Increase in **climate related hazards** (cyclones, droughts, sea level rise etc.)

Damages to livelihoods, infrastructure, ecosystems

Appropriate **climate information services** needed for planning and response actions

GEF-funded **INFORM project** creating a network of national and regional data repositories and tools to monitor the state of the Pacific's environment

<http://www.sprep.org/inform/home>



<https://pipap.sprep.org/>

Pacific Roadmap for Strengthened Climate Services 2017 – 2026

Pacific Roadmap Fundamentals

1. Vision

Governments, civil societies and communities making informed decisions on safety, wellbeing and prosperity from integrating climate and weather information in their decision-making process based on sound science and established indigenous knowledge.

2. Objective

The implementation of climate services in the Pacific that maximise benefits and manage risks through the application of scientifically based climate information integrated with sector and indigenous knowledge to support planning, policy and practice on regional and national scales.

3. Principles

Building on the principles identified at the GFCS Pacific Consultation meeting¹ and PIMS 2017–2026, the Roadmap shall be implemented and monitored with:

- i Pacific focus within a global context;
- ii Gender and minorities empowerment;
- iii Value for money;
- iv Information sharing;
- v Partnerships;
- vi Continuing research;
- vii Stakeholder engagement; and
- viii Open-source systems.

4. Governance

The Climate Roadmap (PRSCS) is designed to guide NMHSs, the Pacific Meteorological Council (PMC), SPREP, other regional organisations and partners on the type of priority activities to be implemented for the wellbeing of Pacific communities.

The PMC will ensure coordination at the regional level and advocate for the PRSCS with development partners. It will ensure appropriate accountability for regional activities' funds and promote activities aligned with the actions set out in the Roadmap.

The PMC is supported by five expert panels and the Pacific Meteorological Desk Partnership (PMDP), which will help the PMC and NMHSs to secure resources to implement this Roadmap, address priorities and challenges, and report to the PMC.

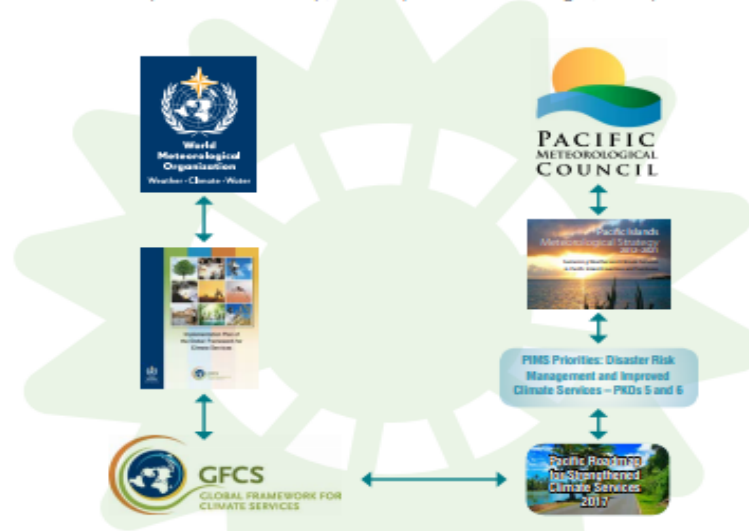


Figure 1: How the PIMS priority areas of "Disaster Risk Management" and "Improved Climate Services" will be actioned through the implementation of the Pacific Roadmap for Strengthened Climate Services

Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean

Concept for the Green Climate Fund

(Budget: \$50 million)

Potential partners:

Secretariat of the Pacific Regional Environment Programme (SPREP); The Pacific Community (SPC), Pacific Islands Forum Secretariat (PIFS), University of the South Pacific (USP); World Meteorological Organization (WMO), Ocean Observation Networks, Pacific Meteorological Council (PMC), National Meteorological Services, Ministries of Environment, Pacific Climate Change Centre (PCCC), World Adaptation Science Programme (former PROVIA); Global Centre of Excellence on Climate Adaptation; and others

Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean

Institutions, policy and planning for climate services

Observations, monitoring, research, modelling and prediction

Communication service delivery and knowledge management

Regional institutional capacity and South-South Cooperation



UN Conference on Small Island Developing States

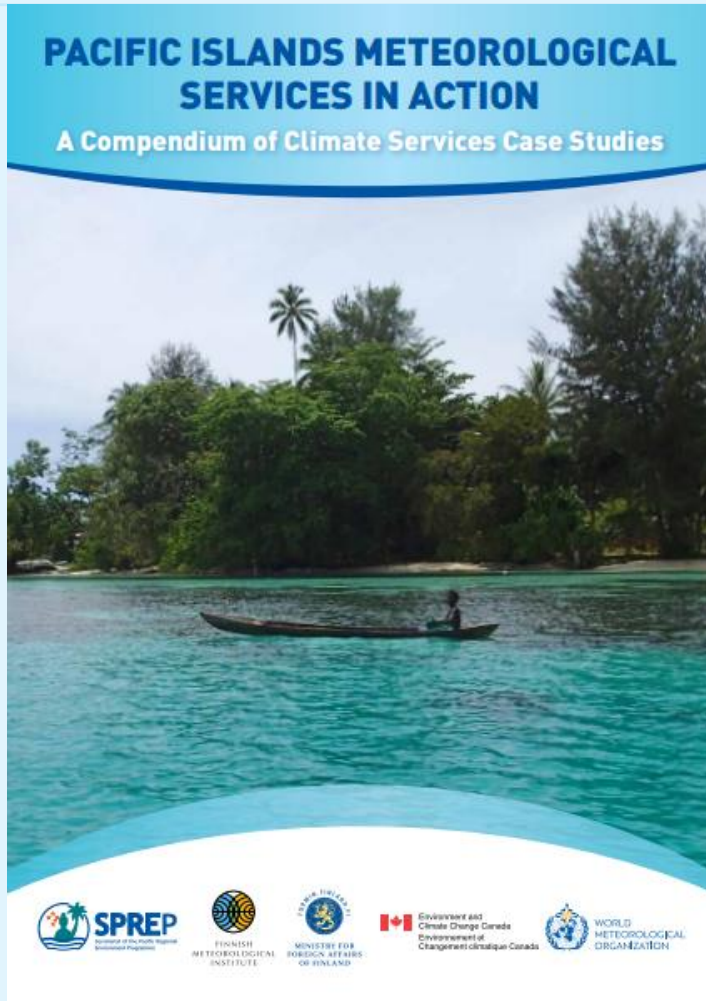
SIDS ACCELERATED MODALITIES OF ACTION [S.A.M.O.A.] Pathway



UN World Conference on Disaster Risk Reduction 2015 Sendai Japan



Component 1: Institutions, policy and planning for climate services (Regional)



- **Regional strategic framework** with national components for strengthening and operating climate information systems.
- **Development of harmonized approaches** to the generation, management and sharing of data, warning messages, distribution networks of warning signals, communication and reporting.
- Support to strengthening **policies, legal and institutional frameworks and budgets**
- Engagement with the **private sector, key ministries and other stakeholders**.
- Identification of **funding modalities** for achieving a **longer-term** sustainable modus operandi.

https://library.wmo.int/opac/doc_num.php?explnum_id=3394

Component 2: Observations, monitoring, research, modelling and prediction of climate and its impacts on oceans and islands (Mainly national in 3-5 countries to be selected)¹



<https://www.pacificmet.net/>

- Technical support for **observations, monitoring capacity and infrastructure**.
- Strengthening selected **Pacific National Meteorological and Hydrological Services** to meet the ISO standards to be able to offer services to the aviation industry.
- Technical support for **research, modelling and prediction**.
- Support for high-quality, reliable observation data, natural capital accounting and targeted dynamical model outputs to support decision-making and **multi-hazard early warning systems**
- Collation, production and analysis of climate data and information for **vulnerability assessments**.
- Development of **harmonized reporting processes** for effectively sharing climate information and data.

¹ The nature of in-country support will factor in existing ongoing initiatives with similar focus. For example, countries covered by Green Climate Fund (GCF) WMO and SPREP projects providing infrastructure (Fiji, Papua New Guinea, Solomon Islands and Vanuatu) are likely to require less investment in this area

Component 3: Communication service delivery and knowledge management (Regional)



<https://www.unenvironment.org/news-and-stories/video/un-environment-climwarn-project>

- **Community outreach on climate risks** through tailored, actionable weather and climate information products.¹
- **Enhancement of awareness** on climate services in helping society adapt to climate change.
- Identification of **traditional** and **indigenous knowledge** on climate risks and response strategies towards multiple hazards.
- Creation of **knowledge platforms** for climate information sharing in the Pacific.²
- Organization of **learning events** for **exchanging knowledge** and **sharing experiences** and lessons learned

¹For a possible model of the CLIMWARN project, see <https://www.unenvironment.org/news-and-stories/video/un-environment-climwarn-project>

²The UN Environment Live platform model could be useful in this regard <https://environmentlive.unep.org/> as well as the Inform project regional data repository hosted at SPREP.

Component 4: Regional institutional capacity and South-South Cooperation (Regional)

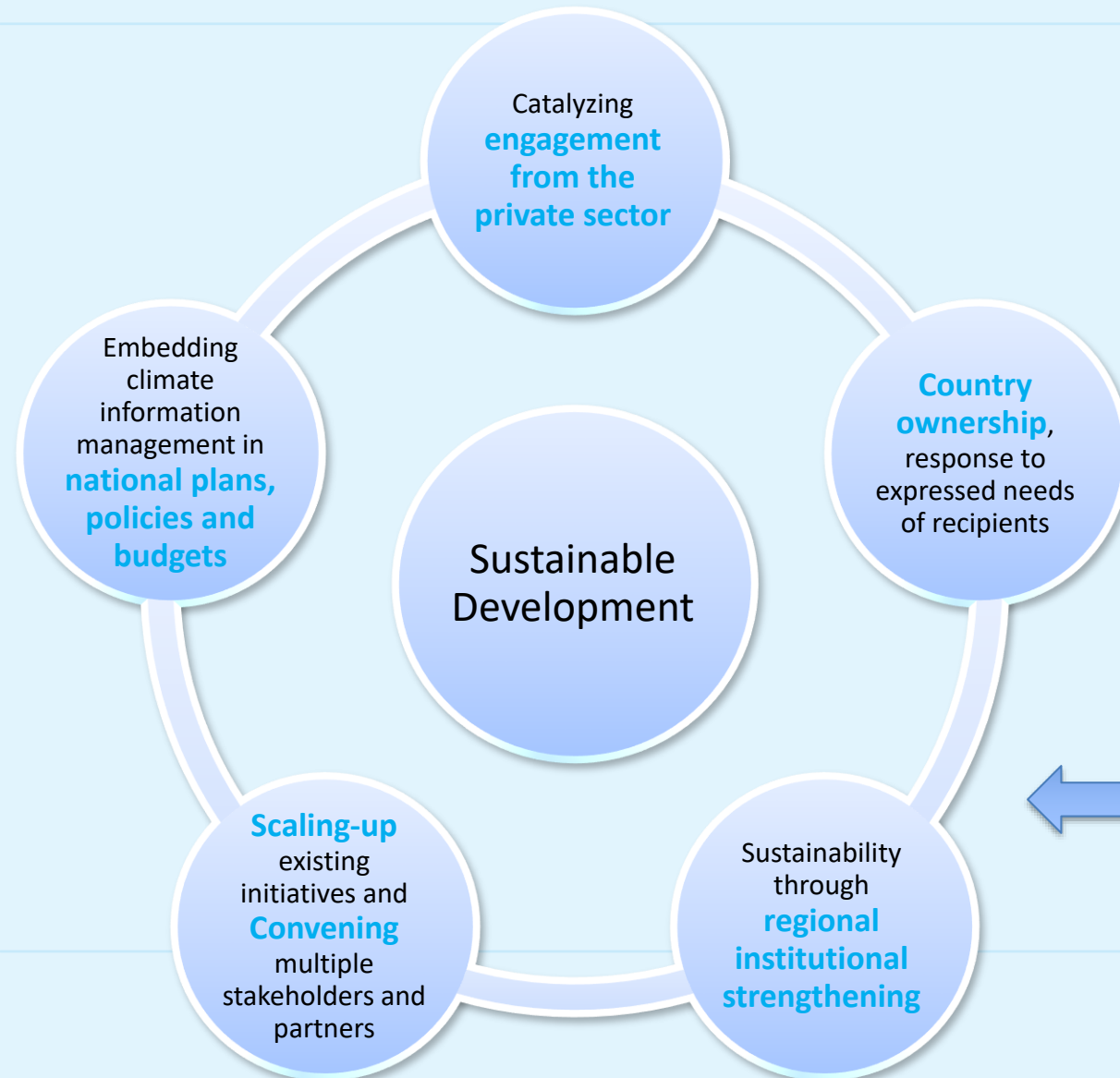


Inform Project Inception & Planning Workshop, Samoa, November 2017

- Designation of a **regional support facility/hub for back-up** and **mentoring** of national services.¹
- Generation and coordination of **regional climate information products** such as regional climate monitoring, long-range forecasts and downscaled climate change scenario products.
- Regularly review options for **improvements within Pacific National Meteorological and Hydrological Services**.
- **Facilitate knowledge sharing** and **cooperation** among Pacific Island Countries on climate information **services** and the **application** of climate information.
- Establish **South-South cooperation**

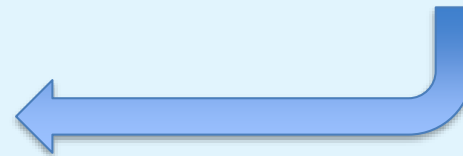
¹For example the Pacific Change Centre (PCCC) hosted at SPREP

Paradigm shift to evidence-based planning and decision making for resilience



Business as usual

- **Gaps** in availability and quality of data needed for **climate resilient** planning and development
- **Lack of sustainability** of climate information services
- **Unsystematic use, sharing and interpretation** of data and information
- **Poor communication** to communities
- **Limited national capacity** to deal with climate-related risks



Consultation with NDAs



Pacific CC Info concept f...
351 KB



Pacific CC Info concept ...
27 KB

Show all 2 attachments (379 KB) Download all Save all to OneDrive - United Nations

From: Sefanaia Nawadra

Sent: Tuesday, April 24, 2018 4:44 AM

To: ana.tiraa@cookislands.gov.ck; wayne.king@cookislands.gov.ck; fsmsofa@mail.fm; Lawrence.sihna@gmail.com; makereta.konrote@govnet.gov.fj; hmfed@mfep.gov.ki; jmitchell@mfep.gov.ki; warwick47@gmail.com; mike.aroig@gmail.com; Toke.Talagi@mail.gov.nu; Angela.Tuhipa@mail.gov.nu; rop.grants@palaugov.org; ryamuna@gmail.com; iulai.lavea@mof.gov.ws; MMataki@mecm.gov.sb; melmataki@gmail.com; paulm (mic.gov.to) <paulm@mic.gov.to>; enelesopoaga@yahoo.com; jbenjamin@vanuatu.gov.vu

Cc: Kosi Latu <kosil@sprep.org>; Feturi Elisaia <feturi@samoanymission.ws>; Jochem Zoetelief <jochem.zoetelief@un.org>

Subject: GCF Regional Project Concept "Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean"

Importance: High

Dear Pacific GCF NDA's ,

I am pleased to share for your consideration the attached draft concept brief for a regional project on "Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean". We intend it be submitted for possible consideration by the Green Climate Fund (GCF) for a grant of up to \$50 million including a GCF Project Preparation Facility (PPF) application of \$1.5 million. This \$1.5 million PPF will allow us to design the project document through a consultation process with all of you and your technical specialists.

This GCF project concept has been prepared by the UN Environment Programme as GCF Accredited Entity working closely with the Secretariat of the Pacific Regional Environment Programme (SPREP) as one of the key proposed executing entities. We have also taken the opportunity to consult with the GCF Secretariat and Ambassador Feturi. It is fully aligned with and will contribute to the implementation of the Pacific Island Meteorological Strategy 2017-2026, the Pacific Roadmap for Strengthened Climate Services 2017-2026 and the Honiara Ministerial Statement on Sustainable Weather, Climate, Oceans and Water Services for a Resilient Pacific. It will build on and add value to existing projects in related areas including through a dedicated regional support facility and South South Cooperation component.

As you are well aware, Pacific Island Countries (PICs) are threatened by an increasing frequency and intensity of climate-related hazards, which result in considerable damages to livelihoods, infrastructure and ecosystems. Sea level rise exacerbates these damages by increasing the strength of coastal storm surges. The design and implementation of appropriate adaptation interventions to address these climate change threats requires a wide range of tailored climate information services for all economic sectors. This project will build capacity to provide such services for governments, the private sector and local communities of Pacific Islands.

The request to develop a GCF project concept along these lines was first made during a regional workshop held in November 2017, to start implementation of a project aimed at strengthening national environmental databases for all 14 PICs (<http://www.sprep.org/inform/home>). This project (funded by the Global Environment facility) will be implemented over 4 years in all 14 countries but additional funding would be required to continue the strengthening of national environment and climate information capacity within all PICs. The development of a GCF project was identified as one of the modalities to secure additional funding.

As per GCF procedures, No Objection letters from interested countries will be required for the PPF application. In this regard, I attach an advance version of such a letter for your consideration and potential start of relevant national processes. We will keep you posted on the development of the PPF application.

We look forward to receiving your feedback and indications of interest and stand ready to answer any questions that you may have.

With kind regards,

Sefanaia Nawadra

Head, UN Environment Pacific Office

Head, UN Environment Pacific Office

Consultation with NDAs and UNFCCC focal points

The screenshot shows an Outlook email interface. The title bar reads "RE: GCF Regional Project Concept 'Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean' - Message (HTML)". The ribbon includes "File", "Message", and "Help". The ribbon tabs are "Delete", "Respond", "Quick Steps", "Move", "Tags", "Editing", "Speech", and "Zoom".

The email header shows the sender as "Sefanaia Nawadra" with a profile picture containing the initials "SN". The subject is "RE: GCF Regional Project Concept 'Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean'".

The "To" field lists: wayne.king@cookislands.gov.ki; fsmsofa@mail.fm; Lawrence.silna@gmail.com; makereta.konrote@govnet.gov.fj; hmfed@mfep.gov.ki; jmittchell@mfep.gov.ki; warwick47@gmail.com; mike.aro@gmail.com; Toke.Talagi@mail.gov.nu; Angela.Tuhiapa@mail.gov.nu; rop.grants@palaugov.org; ryamuna@gmail.com; iulai.lavea@mof.gov.ws; MMataki@mecm.gov.sb; melmataki@gmail.com; paulm (mic.gov.to); enelesopoaga@yahoo.com; jbenjamin@vanuatu.gov.vu

The "Cc" field lists: Kosi Latu; Feturi Elisaia; Jochem Zoetelief; Makereta Konrote; andrewy@mail.fm; oemendir@gmail.com; Clarence Samuel; choi@ob.gov.ki; saitoim (ob.gov.ki); reagan.moses@gmail.com; josie.tamate@mail.gov.nu; erbai.oerc@palaugov.org; gwen.ssissiou@ccda.gov.pg; Francella Striddand; c.iroi@met.gov.sb

A notification states: "You forwarded this message on 21/05/2018 4:44 PM."

Attachments include: "Pacific CC Info concept for circulation March 2018.pdf" (351 KB) and "Pacific CC Info concept PPF No objection letter template.docx" (27 KB).

The email body text is as follows:

Dear Pacific GCF NDAs,

I am following up on my email of 24th April circulating a shortened version of a concept for a regional project on "Enhancing Climate Information and Knowledge Services for resilience in the islands of the Pacific Ocean" for consideration by the Green Climate Fund (GCF).

I am pleased to report that Jochem Zoetelief, our Senior Project Officer assigned to lead this project made a presentation on the project to the Pacific negotiators group during the recent climate conference in Bonn (on 9 May 2018) and had several bilateral meetings with different countries. As a result we have received several expressions of interest from Pacific Island Countries wishing to be included in the regional project and/or to be considered for in-country technical support under the project's second component.

Further, a Pacific Regional Training Workshop on "Appraisal and Prioritization of Options for Adaptation Planning (NAP)" will take place on 28-31 May in Nadi, Fiji. The UNFCCC focal points have nominated respective country participants. The agenda will provide several opportunities to present and discuss the draft GCF concept and outline elements of a possible Project Preparation Facility (PPF) application. As all Pacific climate change focal points are expected to be present/represented at this workshop, we would appreciate it if you could request them to convey any questions or messages that you may have. I am copying the UNFCCC national focal points for their information.

We would welcome your feedback and initial expressions of interest and stand ready to discuss bilaterally.

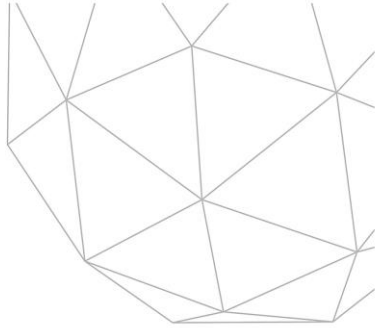
Kind regards,

Sefanaia Nawadra
Head, UN Environment Pacific Office

From: Sefanaia Nawadra

The taskbar at the bottom shows the Start button, taskbar icons for Chrome, Word, PowerPoint, Excel, Edge, and other applications, and the system tray with the date and time: 11:02 AM, 22/05/2018.

Project Preparation Funding Application



Project
Preparation
Funding
Application



- Estimated \$1 million to be requested for:
- Pre-feasibility and feasibility studies;
 - Environmental, social and gender studies;
 - Risk Assessments;
 - Identification of project level indicators.

<https://www.greenclimate.fund/gcf101/funding-projects/project-preparation>



Contacts



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Mapping Exercise

1. Which information would you need for an informed decision on adaptation?

- Information needs for selecting adaptation options
- Communication needs to target audiences

2. What is the current capacity to deliver the needed climate information and how to address the gaps?

- Institutional setting
- Policies and laws on climate data management and sharing
- Funding for National Meteorological and Hydrological Services (NMHSs)
- Infrastructure for observations and monitoring
- Capacity for research, modelling, predication and vulnerability assessment
- Regional cooperation and South South cooperation schemes



Thank you

Jochem Zoetelief
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