The role of IT in the effective management of Invasive species in the Pacific

6th September 2023

Taumeasina Island Resort

*Building Digital Resilience – SIDE EVENT*

Introduction

The SPREP Invasive Species Team

- **Our Goal**: *Pacific people benefit from healthy and resilient island and ocean ecosystems*

- **Objective**: *To significantly reduce the socio-economic and ecological impact of invasive species on land and water ecosystems and control or eradicate priority species*
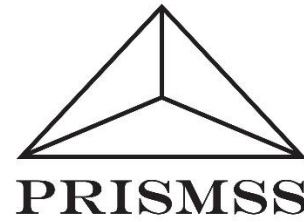
The Guidelines:

1. The guiding document since 2009
2. Has informed project formation and identified both national and regional gaps
3. Provides the basis for all our current online systems and tools
4. Reviewed in 2021-22 – to be endorsed in the SPREP 31st Meeting.
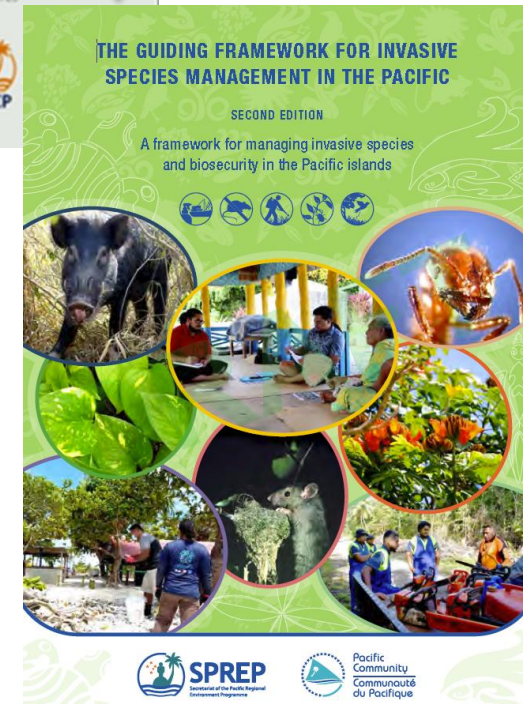
Invasive Species Online tools
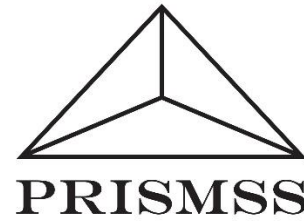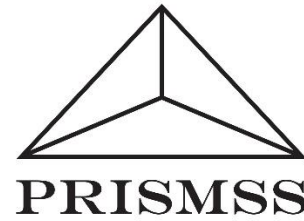
1. Pacific Invasive Species Indicators

- Online reporting tool following the Guidelines outline.

- Collect country information from 26 Pacific island countries and territories since 2015

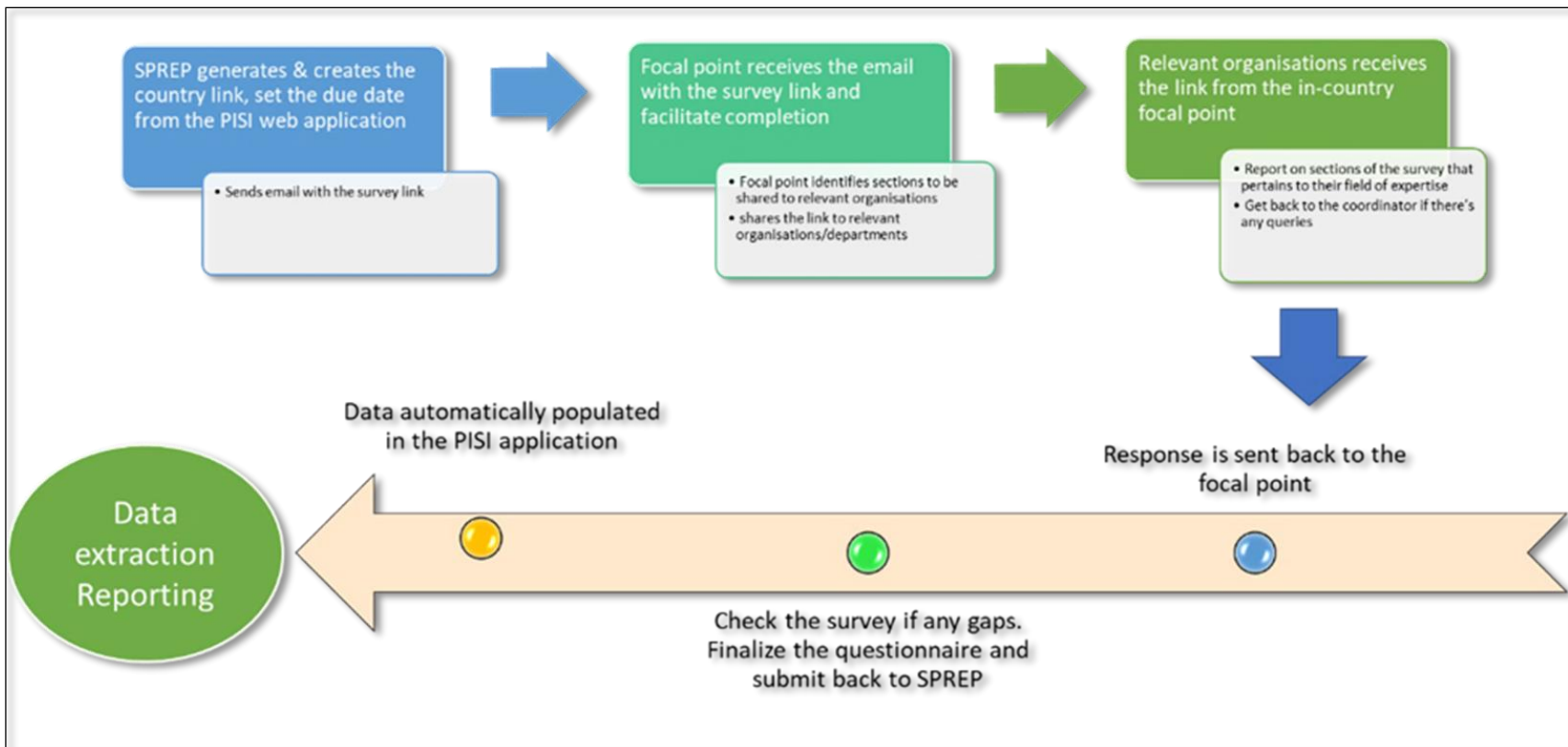- Migrated from Access Database to online in 2022 – 2023

1. Pacific Invasive Species Indicators

Process (pisi)
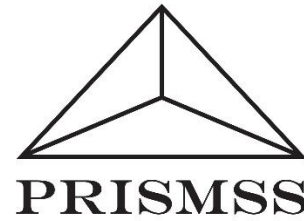
1. Pacific Invasive Species Indicators
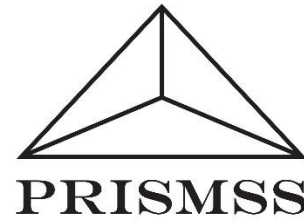
Gap analysis
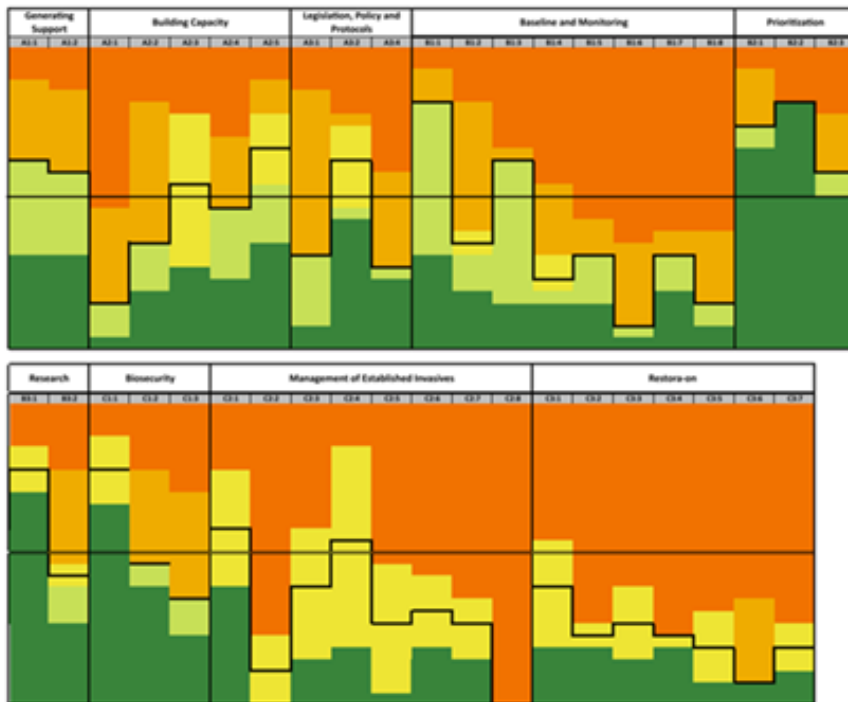
- Established baseline information and identify gaps
- Track and monitor the status of ISM in the Pacific
- Inform actions and supporting mechanisms in the region

1. Pacific Invasive Species Indicators

PISI Informed the establishment of :

- **Pacific Invasives Learning Network** – enable information sharing and knowledge exchange

- **PRISMSS** – scaling up on-the-ground management actions

2. Battler Resource Base

- a searchable knowledge portal developed to support NISCs, IS practitioners, environment managers, and partners

- Upgraded and launched in June 2022

- Linked to the SPREP Virtual Library catalogue
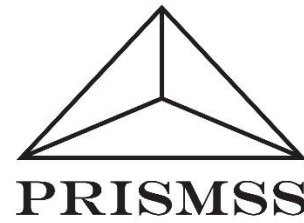
- Search engine functions to easily find reports, articles, videos, and publications of interest.

Pacific Invasive Species - Battler Series
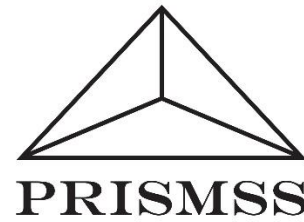
Use natural enemies to manage widespread weeds in the Pacific
2020

Protect our islands with biosecurity
2020

Build resilient ecosystems and communities by managing invasive species
2020

Manage low-incidence priority weeds to conserve Pacific biodiversity
2020

- Provides the latest guide on invasive species, case studies on common invasive species issues.

- 18 battler series to date – RERC, WOW, NENS, POI series

- One stop shop for IAS online resources
- Develop invasive species management programme of works

Online Resources

EARLY DETECTION AND RAPID RESPONSE (EDRR) TOOLKIT

INVASIVE SPECIES COMPENDIUM

NON-NATIVE SPECIES SECRETARIAT (NNSS)

NENS OPTIONS FOR PACIFIC WEEDS

MARINE BIOSECURITY TOOLKIT

PACIFIC ISLANDS PEST LIST DATABASE (PLD)

PACIFIC BIODIVERSITY INFORMATION FACILITY (PBIF)
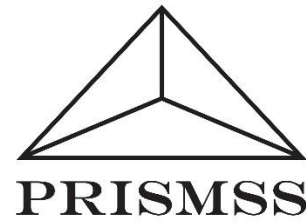
INVASIVE SPECIES SPECIALIST GROUP (ISSG) DATABASE

PACIFIC INVASIVE ANT TOOLKIT (PIAT)

- Users can easily find the latest videos, battler lounge, mainstreaming videos etc..

Featured Videos

Wallis and Futuna drone-based rat removal

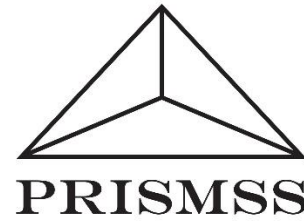Current Affairs | Cook Island removes rats from Palmerston Island to increase Island resilience

View more

- Countries and partners can email digital copies/resources to brb@sprep.org

Files supported

- *File – PDF*
- *Audio*
- *External link e.g. URL*
- *Remote videos*
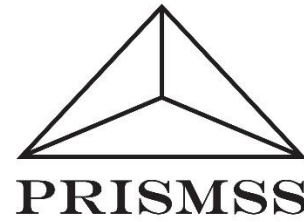
3. PRISMSS Navigator System

- IS online systems are integrated into one for ease of access

- Used for creating donor led projects

- Information and data has restricted access

Invasives landing page

"Invasive Species Management Builds Climate Resilience"

Increasing on-the-ground management action through technical support, successful partnerships and networking

PACIFIC REGIONAL INVASIVE SPECIES MANAGEMENT SUPPORT SERVICE (PRISMSS)	PACIFIC INVASIVES LEARNING NETWORK (PILN)	PACIFIC INVASIVE PARTNERSHIP (PIP)

Maintaining and sharing Pacific knowledge and resources

BATTLER RESOURCE BASE	GUIDELINES TO INVASIVE SPECIES MANAGEMENT IN THE PACIFIC	PACIFIC INVASIVE SPECIES BATTLER SERIES

Developing and implementing invasive species projects

GEF 6 REGIONAL INVASIVE PROJECT	EDF 11 OCT PROJECT PROTEGE	MANAGING INVASIVE SPECIES FOR CLIMATE CHANGE ADAPTATION IN THE PACIFIC

Maximise productivity for PRISMSS

Countries can request for:

- Technical advice
- Capacity building
- Operational support
- Full project building

(i) Request is assigned to relevant PRISMSS Programme

(ii) Request is communicated between country and PRISMSS partner

PROTECT OUR ISLANDS
Preventing the arrival of invasive species and stop their establishment, spread and impacts

PREDATOR FREE PACIFIC
Removal of invasive mammalian predators such as rats, feral cats and pigs from islands

WAR ON WEEDS
Managing high risk, low distribution weed species, where the objective is eradication or containment

NATURAL ENEMIES - NATURAL SOLUTIONS
Lowering the impact of widespread invasive weeds by using natural enemies or biological control

RESILIENT ECOSYSTEMS - RESILIENT COMMUNITIES
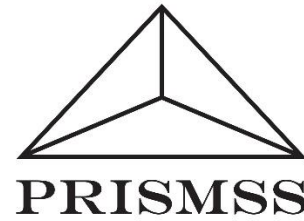Restoring national priority sites of high ecological values to increase ecosystems and communities resilience

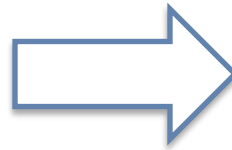**Request is assigned to relevant PRISMSS Programme**
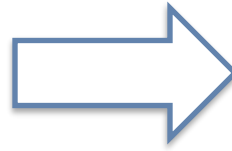
| Request for technical advice: | → | **Email → Completed** |

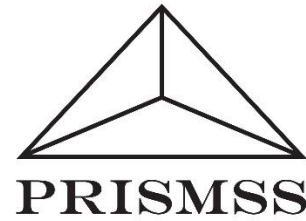| Request for:
• Capacity building
• Operational support
• Full project building | → | **Activity → Pipeline** |

Pipeline activity is funnelled as a:

- **Desired outcome – links to donor requirement**
- **Priority activity depending on urgency**
- **Capability development**

Link to donor desired outcomes
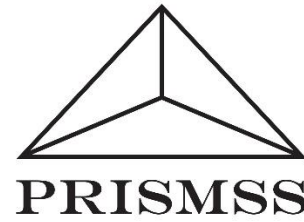
Technical support

Capacity building

Where funding is available:

ACTION TIME!!

Operational support
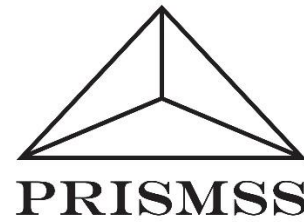
Outputs /statistics
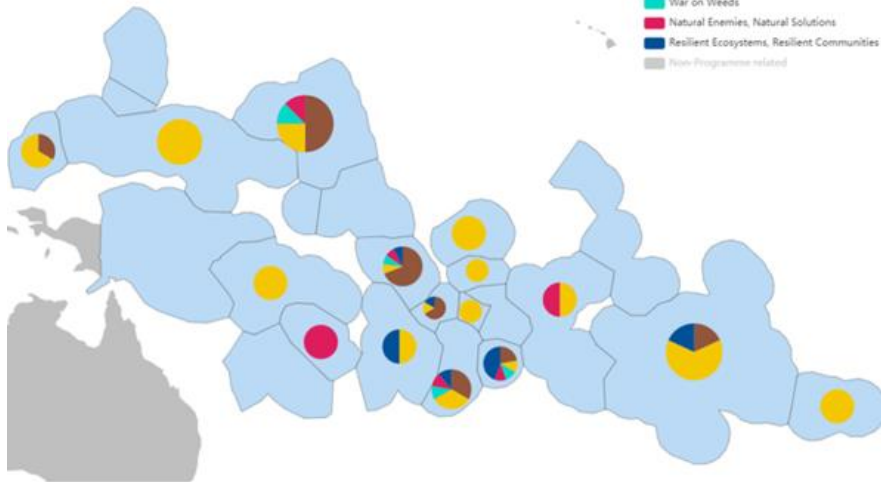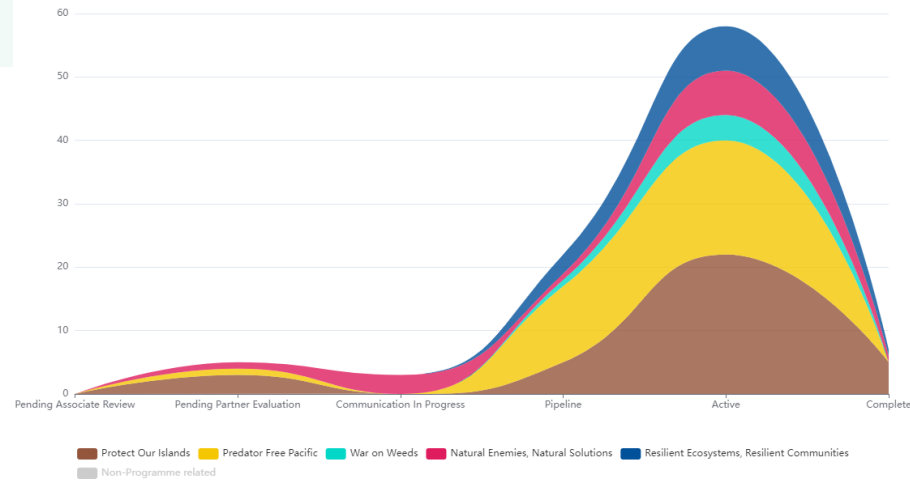
Join us to learn more about PRISMSS

For more information, scan the QR code or visit us at sprep.org

PRISMSS is powered by:

NEW ZEALAND FOREIGN AFFAIRS & TRADE Manatū Aorere

SPREP Secretariat of the Pacific Regional Environment Programme

gef

UN environment programme

PRISMSS is partnered with:

BirdLife INTERNATIONAL

Department of Conservation Te Papa Atawhai

ISLAND CONSERVATION Preventing Extinctions

Manaaki Whenua Landcare Research

PACIFIC BIOSECURITY

Pacific Community Communauté du Pacifique

SPREP Secretariat of the Pacific Regional Environment Programme

Thank you for your attention

Soifua!!