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Pacific Environment Data Portal Network

Information Systems to Support EIA and Safeguard Environmental Management in the Pacific – SPREP Knowledge Portals



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WHY?

- All 14 Pacific Island Countries have data storage management and use issues
- This became clear through the SOE process and others
- Pacific Island country officers and EIA practitioners require access to data, data management/ storage and retrieval for their work



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What

- Most PICs have a national environmental database that is open and alliable for you to make use of data from.
- It is important that data developed/ discovered during the EIA process is made available to the EIA officers in country to add to the database for their future use and that of other EIA practitioners



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Data
Availability



Information
Management



Timely
Information



- increase data availability for conducting EIA
- Improve information management and interpretation as well as standard procedures for environmental data
- Easy access and timely information for decision making, planning and reporting.



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DATA PORTALS:

create a network of national and regional data repositories to store and share environmental data, to monitor the state of the Pacific's environment.



REPORTING TOOL:

assist Pacific islands with meeting multiple national and international reporting requirements, by reusing indicator based reporting.



DATA ANALYSIS:

facilitate the use and analysis of environmental data for national planning and sustainable development.



DATA SHARING:

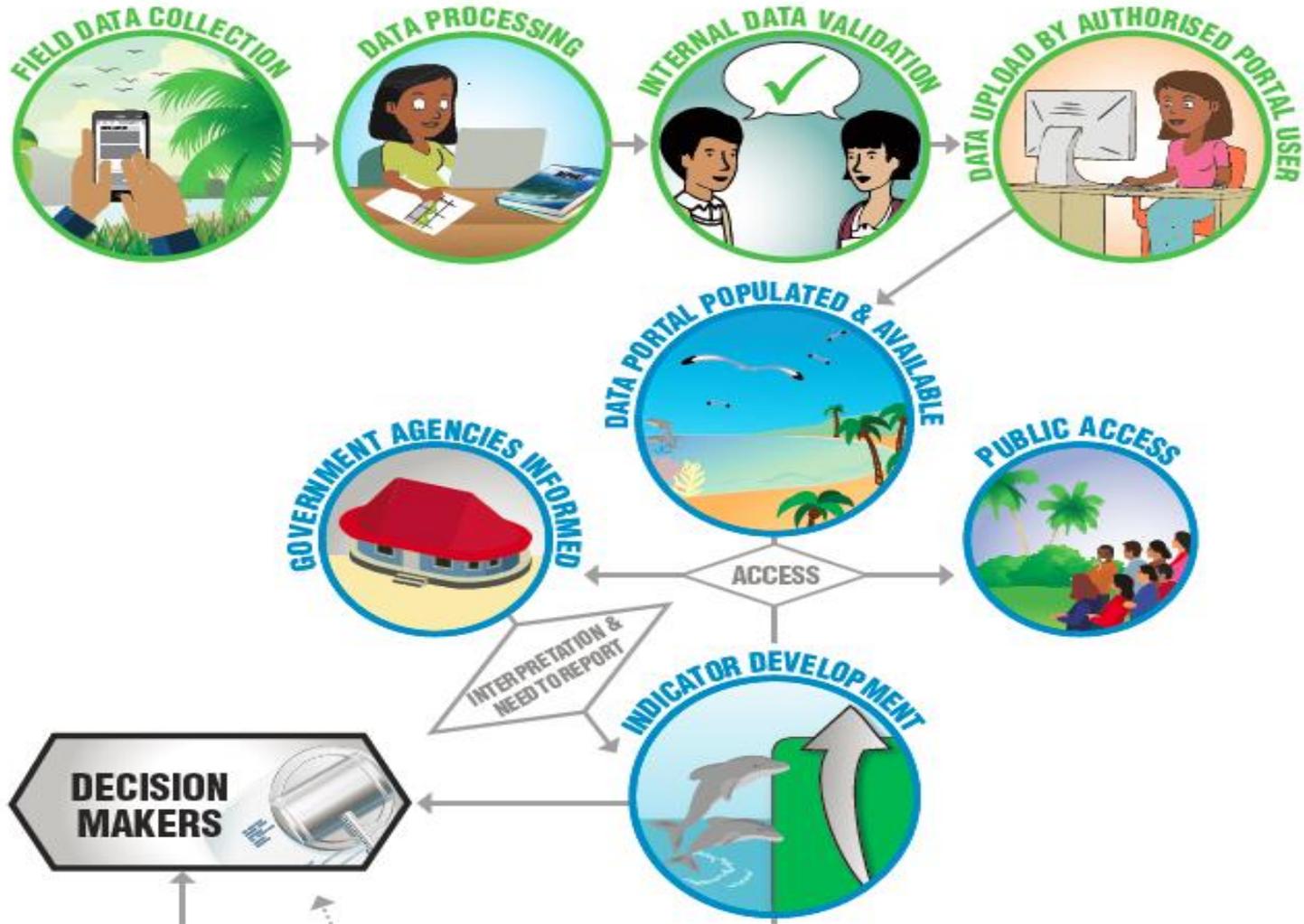
support a change in practices to enhance the sharing of environmental data. Support legal, policy and planning frameworks.



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DATA FOR DECISION MAKING





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Network of Portals





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What is a data portal?

- **Repository** where data is stored (online database)
- **Backups**
- **Sharing data** on different levels (public/shared/private)
- Collaborate within **Groups** (departments / agencies)
- Publishing platform
- **Open source** tools: DKAN Open Data Platform (<https://getdkan.org/>)
- Cloud or in-country hosting



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1 Regional Portal & 14 National Portals



Cook Islands Environment Data Portal
Environmental Information for Decision Making



Papua New Guinea Data Portal
Environmental Information for Decision Making



Niue Environment Data Portal



Federated States of Micronesia Environment Data Portal



Republic of Marshall Islands Environment Data Portal
Environmental Information for Decision Making



Fiji Environment Data Portal
Environmental Information for Decision Making



Kiribati Environment Data Portal
Environmental Information for Decision Making



Nauru Environment Data Portal
Environmental Information for Decision Making



Palau Environment Data Portal
Environmental Information for Decision Making



Samoa Environment Data Portal



Solomon Islands Environment Data Portal
Environmental Information for Decision Making



Tonga Environment Data Portal
Environmental Information for Decision Making



Tuvalu Environment Data Portal



Vanuatu Environment Data Portal
Environmental Information for Decision Making



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PACIFIC DATA ECOSYSTEM - ENVIRONMENT -

A strategic partnership between Pacific Island Countries, the Pacific Community (SPC) and the Secretariat of the Pacific Regional Environment Programme (SPREP)



WWW.SPREP.ORG/INFORM
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INFORM@SPREP.ORG
+685 21929
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[\(name-of-your-country\)-data.sprep.org](#)



PACIFIC ENVIRONMENT PORTAL
A regional environment portal network hosted by SPREP
www.pacific-data.sprep.org



PACIFIC DATA HUB
A regional development data hub hosted by SPC
www.pacificdata.org

"Harnessing the power of data and knowledge for sustainable development and improved decision making"

Supported by:



Implemented by:



Executed by:



In partnership with:





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<https://pacific-data.sprep.org/>



PACIFIC ENVIRONMENT DATA PORTAL
Environmental Information for Decision Making

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DASHBOARD 22 November 2021

Marine Waste in the Pacific

Marine pollution originating from purse seine and longline fishing vessel operations in the Western and Central Pacific Ocean between 2003-2015 as derived from the Form GEN-6, a tool to monitor fishing vessel violations.

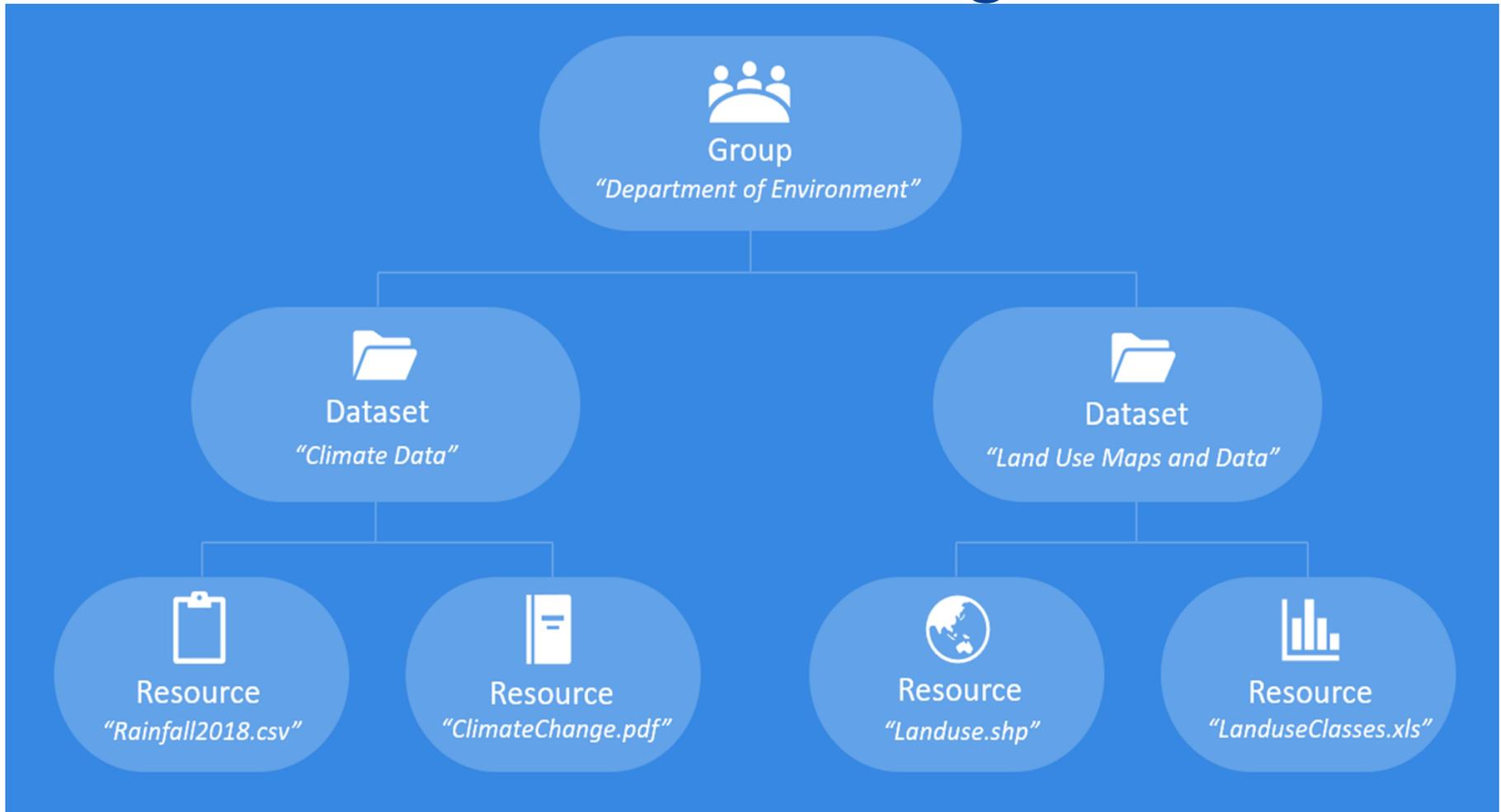
[View dashboard](#)



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Data Portal Building Block





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Dataset vs Resource

DATASET



Assessing the water quality of Suva foreshore for the establishment of estuary and marine recreational water guidelines in the Fiji Islands

Government of Fiji

Coastal and Marine Inland Waters

... The purpose of this research is to develop a robust **water quality baseline** data of relevant physical, chemical **and** biological ... biological parameters ... toxicity ... **water quality assessment** ... indicator organisms ... Suva foreshore ... Coastal ...

PDF

RESOURCE



Assessing the water quality of Suva foreshore for the establishment of estuary and marine recreational water guidelines in the Fiji Islands

... At present **in the** Fiji Islands, no **guidelines** are available only **for** biological parameters **for** receiving **water** bodies commonly used **for recreational** activities. **The** ANZECC (2000) **guidelines** recommend **the use of** Escherichia coli (E. coli) **and** Enterococci (Faecal ...

PDF



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3 easy steps to upload data

STEP 1

Create
dataset



Add Tags
Set Group
Set license level

Decide with who you want to
share

STEP 2

Add data



1 or more
resources

STEP 3

Add additional
data



Add metadata

Not mandatory
**highly
recommended!**



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Data Sharing License Levels



Public

data accessible
to **all portal
groups** and the
public



Shared

data shared
between
**ministry portal
groups**, but not
with the public



Private

data for
internal use,
only accessible
within a **single
portal group**



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What type of data can you upload?

The data portal supports many file types, including:

- csv, html, xls, json, xlsx, doc, docx, rdf, txt, jpg, png, gif, tiff, pdf, odf, ods, odt, tsv, geojson and xml.



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How to access the portal to upload EIA data and information?

1. Request through focal points or portal site managers in-country

or
2. SPREP Inform project staff at inform@sprep.org

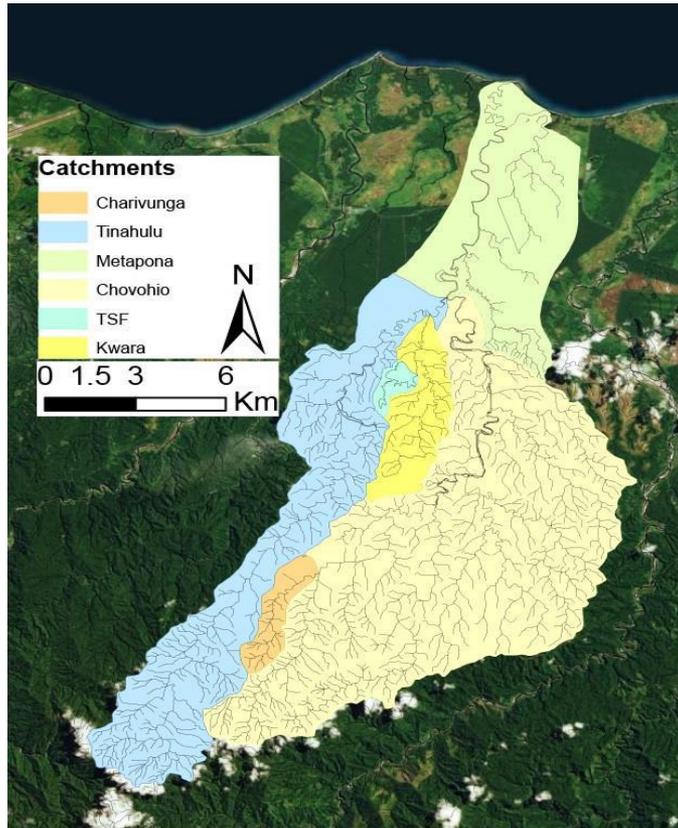


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Examples of EIA datasets on the portal

Baseline assessment of water quality and aquatic ecology downstream of Gold Ridge Mine, Solomon Islands



Site	Catchment area (km ²)
Charivunga	4.53
Tinahulu	50.9
Lower Metapona	35.7
Chovohio	102.9
TSF/ Kwara	1.67
Total	206.5

[Access Dataset Here](#)



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Assessment of Metals Contamination in Road Dust and Roadside Soil of Suva City, Fiji

Metals	Road dust (n = 45)		Roadside soil (n=36)		Background soil	Acceptable limit (WHO, 1996)
	Range	Mean±SD	Range	Mean±SD		
Cd	2.4–12.2	3.7±2.4	2.0–6.2	3.1±1.0	2.7	3
Co	27.1–57.7	35.0±7.1	24.2–38.2	33.2±3.5	24.2	50
Cr	21.1–81.9	40.0±15.5	14.0–63.2	34.0±12.6	21.7	100
Ni	32.1–109.8	54.3±19.7	22.1–65.5	32.4±11.7	20.2	50
Cu	59.3–328.3	172.3±80.6	120.4–847.4	265.7±198.1	74.5	50
Pb	33.6–234.5	71.0±47.5	21.1–135.0	59.3±32.1	46.9	100
Zn	146.2–3262.6	685.0±781.7	60.4–1617.0	507.0±524.0	144.1	300
Fe	26,091.8–104,807	41,010.4±19,299.3	29,287.7–86,665.4	39,525.5±14,756.8	43,659.90	50,000

[Access Report Here](#)



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Environmental Statistics for Samoa 2007 - 2017

Table 4: Samoa Terrestrial Protected Areas 2009-2017

Terrestrial Protected Areas		Year established	Area in Hectares (ha)		
			2009	2014	2017
Reserves & Conservation Areas					
1	<u>Eleele Fou Reserve</u> (known as Apia Central recreational reserve) ²	2000	2.42	2.42	2.42
2	<u>Vaigaga Reserve</u> ²	2000	0.40	0.40	0.40
3	<u>Lelata Reserve</u> (previously <u>Magiagi Reserve</u>) ¹	1999	0.20	0.20	0.04
4	<u>Vaimoso Reserve</u> ⁴	1999	0.10	0.10	-
5	<u>Faleata Nature Reserve</u> (previously <u>Fulusou B.Garden</u>) ³	1999	8.10	8.10	9.29
	<u>Samoa National Botanical</u>				

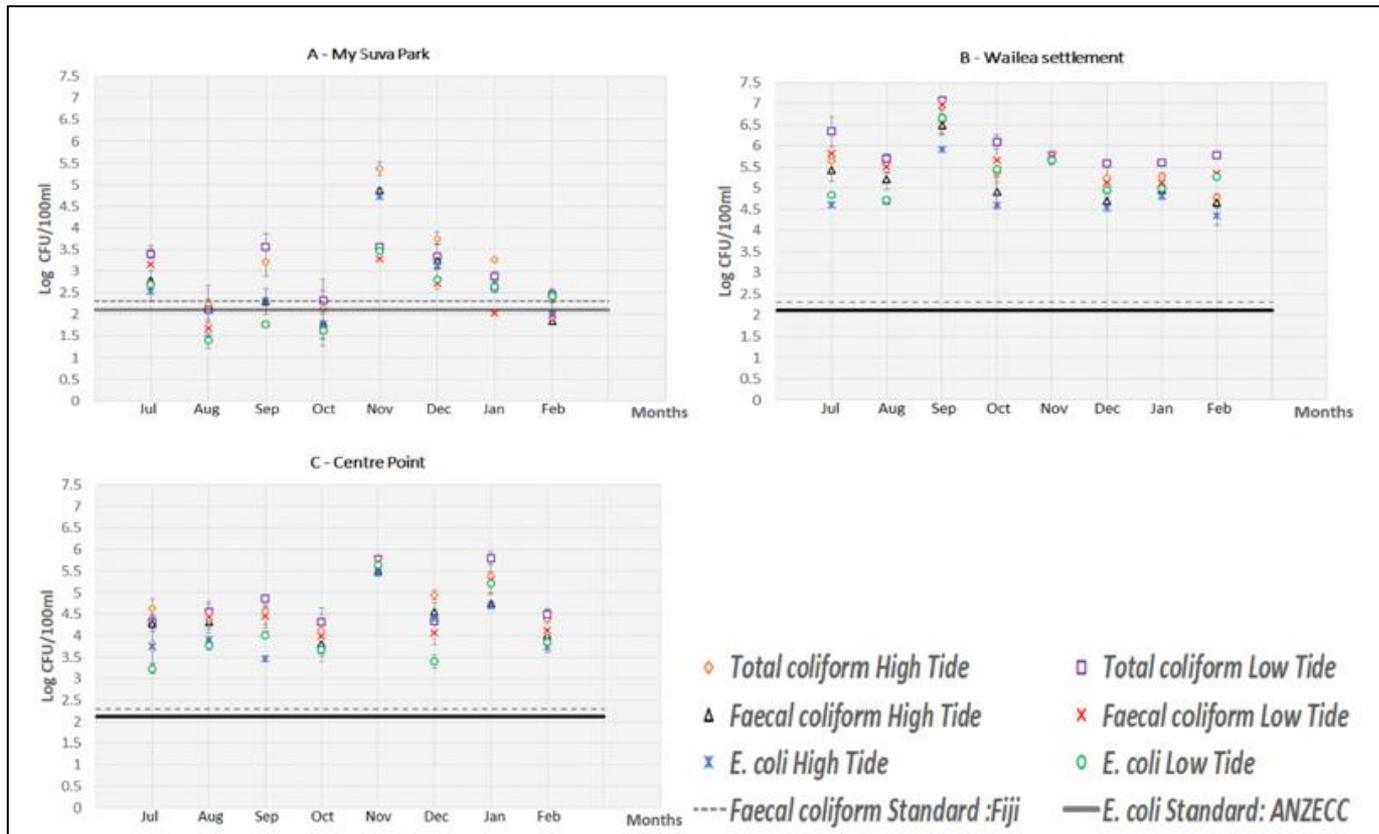
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Assessing The Water Quality Of Suva Foreshore For The Establishment Of Estuary And Marine Recreational Water Guidelines In The Fiji Islands



[Access Report Here](#)



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Inform and PNEA Link

- Both are tools to allow you to easily access and widely share information with PNEA focus on EIA –related data and information
- Environment Portal can also host EIA related information
- Environment Portal provides direct access to the PNEA site

[Access Here](#)



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SUMMARY

- Pacific Environment Portal & network of national portals are open for access
- Country-specific EIA data or reports can be uploaded and shared using national portals
- We welcome your input to help us further improve the platforms.