

SOPAC Geo-Spatial Data Catalogue

Applied GeoScience and Technology Division (SOPAC)
Secretariat of the Pacific Community (SPC)

Version

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About

The SOPAC Geo-Spatial Data Catalogue is a set of textual documents that describes in depth the kinds and types of geo-spatial information held within SOPAC Division of SPC. The catalogue is automatically generated by a series of scripts implemented in the Python Programming Language, which communicates with SOPAC data and file services, and extracts relevant geo-spatial information.

Source

The catalogue is generated by querying the following data systems and services hosted within the SOPAC Divisions Campus.

<i>Service</i>	<i>System</i>	<i>No. Of Records/Layers/Tiles</i>	<i>No. Of Features</i>
Oceans and Islands Geonetwork	Geonetwork	945	-
Pacific Catastrophe Risk Assessment and Financing Initiative (PCRAFI)	Geonode	322	-
Offline GIS Data	Linux Samba File Servers	4937	20,000,000+
EU/EDF8 Legacy Mapserver	UNM Mapserver	602	3,305,543
Pacific Cities (Vulnerability mapping of Pacific Urban Centres)	N/A	106	126,428
KIRIWATSAN (Water Assessment Survey)	GeoServer	9	292
Satellite Imagery	SOPAC Corp Database	6740	-
Aerial Photographs	SOPAC Corp Database	1469	-
RHDA (Regional Hydrological Database Archive)	Linux Samba File Servers	-	-

Additional sources have been identified and will be incorporated in the upcoming versions of the catalogue.

Format

The catalogue is available in machine independent CSV text format, to enable easy consumption by other data systems or reporting mechanisms. Each service has an individual CSV document outlining the data it contains.

Structure

The different data services above have different types of data, therefore their listing in the documents have distinct structures.. Below is the column listing for each listing -

Geonetwork

Title, Abstract, Types, DataFormat (Vector/Raster), Country, Source, Description (Purpose), File, UUID

Geonode

Title, Abstract, Types, DataFormat (Vector/Raster), Country, Source, Description (Purpose), UUID

PacificCities, Legacy MapServer, GIS Data, Kiriwatsan

Title (LayerName), Location, Country, AttributeCount, Extent, Geometry, Attributes, Format, ProjectionDetails