

# SESSION 4: SDD DATA DISSEMINATION

**Phil Bright**

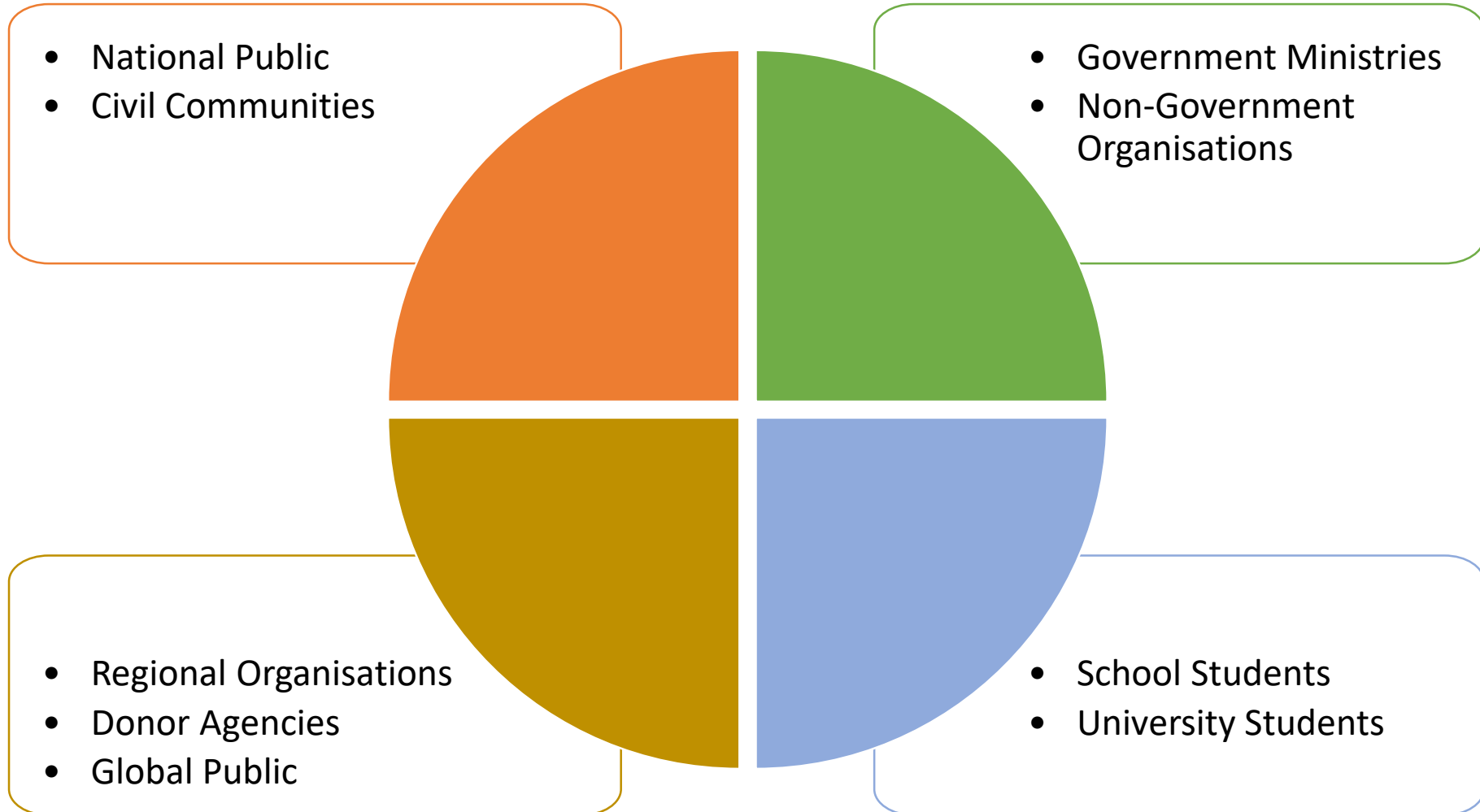
GIS, Innovation and Data Dissemination Specialist

# Dissemination Staff

- 1 x GIS, innovation/dissemination specialist - oversees all dissemination activities, GIS work (collections + dissemination) – Phil Bright
- 1 x one web designer – Billy Somers
- 1 x information assistant – Gaelle le Gall
- 1 x GIS specialist (full-time consultant) – Luis de la Rua
- 1 or 2 bachelor or master-level student(s) assisting with GIS-related work each year – Barbara Raubaly.
- Under new SDD structure will come under new Data Analysis and Dissemination Manager (2018)

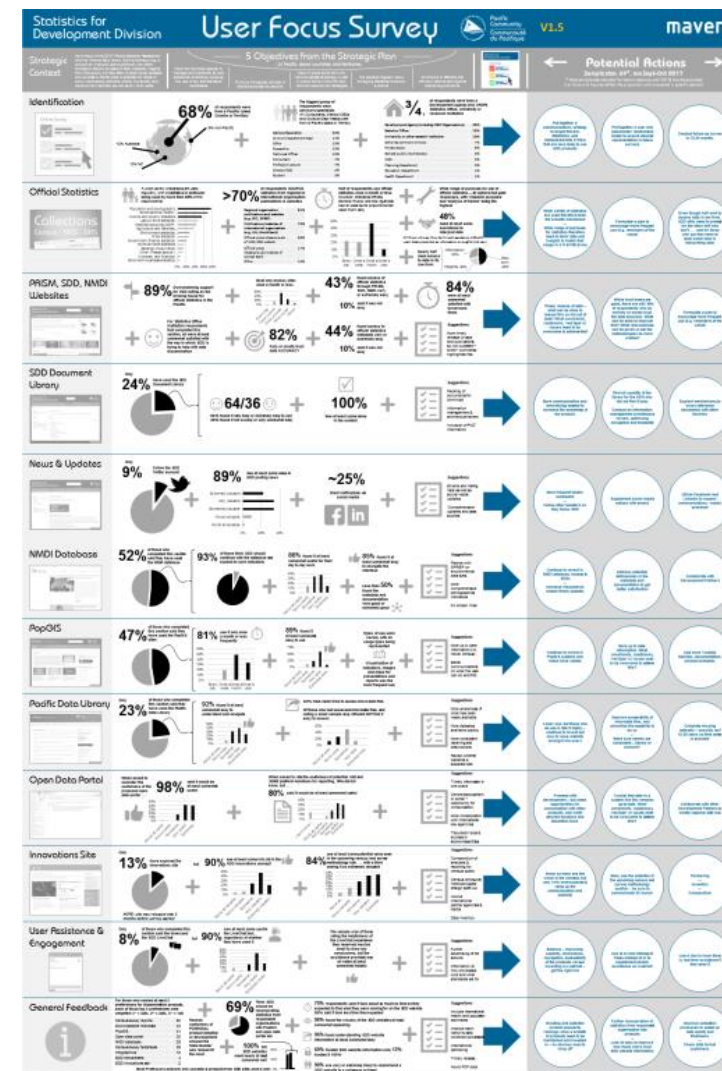
- Leverages recommendations from external/internal reviews + review of TYPSS phase 2.
- Development Objective 3: Improve data quality, analysis and packaging
  - Key Result Area 3.1: Ensure all datasets housed by SDD are quality checked, analysed and **packaged**
  - Key Result Area 3.3: Ensure easier and timely **access** to **microdata**
- Development Objective 4: Deliver user-focused data dissemination products and services.
  - Key Result Area 4:1 Engage with key users of Pacific data to understand their statistical needs and **raise awareness** of statistical products and services available
  - Key Result Area 4:2 Ensure **timely delivery of user-driven statistical products and data services**
  - Key Result Area 4:3 Strengthen internal and external **Pacific data dissemination coordination**

# Do we know who our users are?

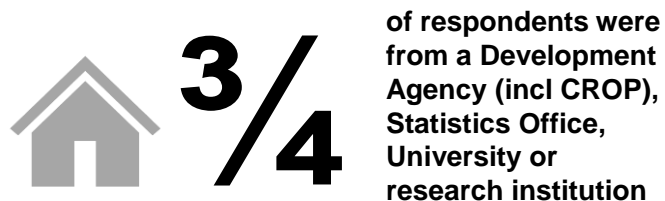
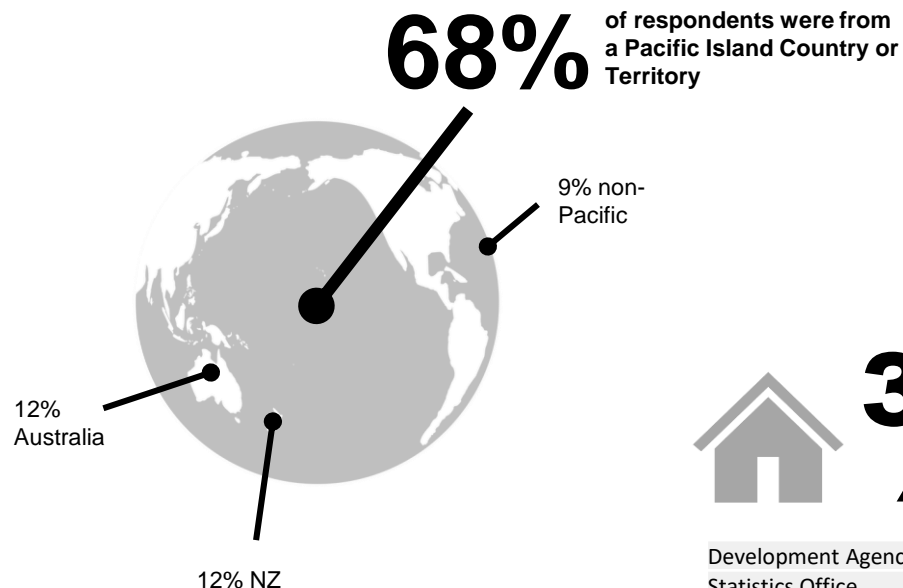


# User Focus Survey

- To better understand the product/service needs of our users - didn't want to assume we knew 😊
- Funded by NZ
- Sept/Oct 2017
- 69 respondents
- Follow-up Skype/phone interviews with 14



## Who responded?



Development Agency (Including CROP Organisations)	38%
Statistics Office	19%
University or other research institution	19%
Other Government Ministry	7%
Private Sector	6%
General public (Civil Society)	3%
NGO	3%
Planning Department	3%
Education Department	1%
Health Department	1%

**The biggest group of respondents were advisors/specialists**  
All Consultants, Director/CEOs and Division/Dept Heads were from a Pacific Island or Territory



Advisor/Specialist	35%
Division/Department Head	14%
Other	10%
Researcher	10%
Technical Officer	10%
Consultant	7%
Professor/Lecturer	7%
Director/CEO	3%
Student	3%

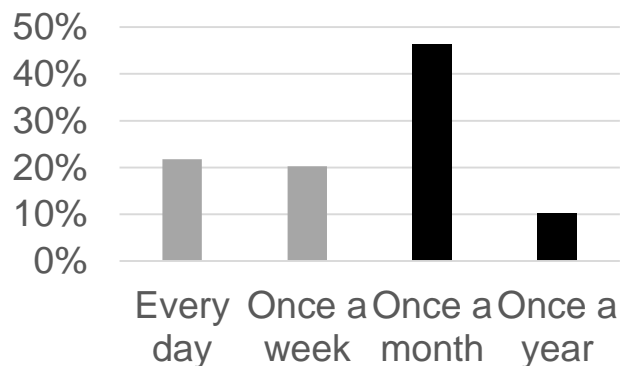
# User Focus Survey

## Official statistics

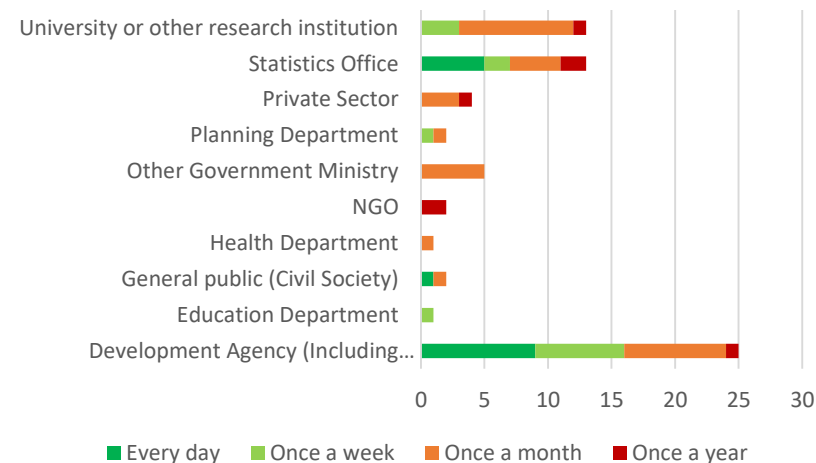


**More than HALF of respondents use official statistics once a month or less . . .**

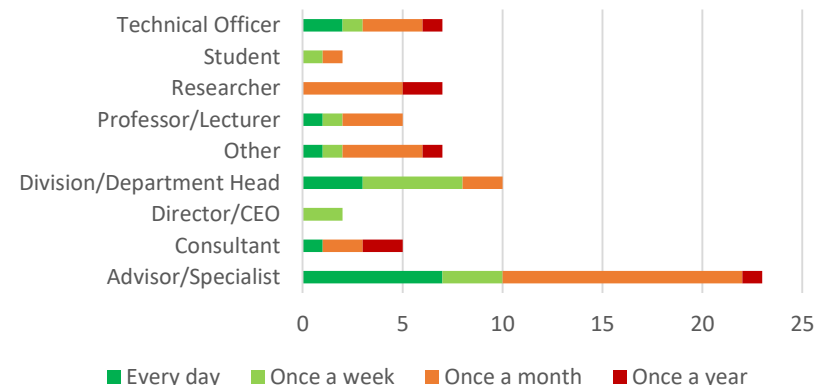
However, Statistics Offices, General Public, and Development Agencies had at least some proportions that used them daily



### Frequency of Official Statistics use



### Frequency of Official Statistics use



## PRISM, SDD, NMDI Websites



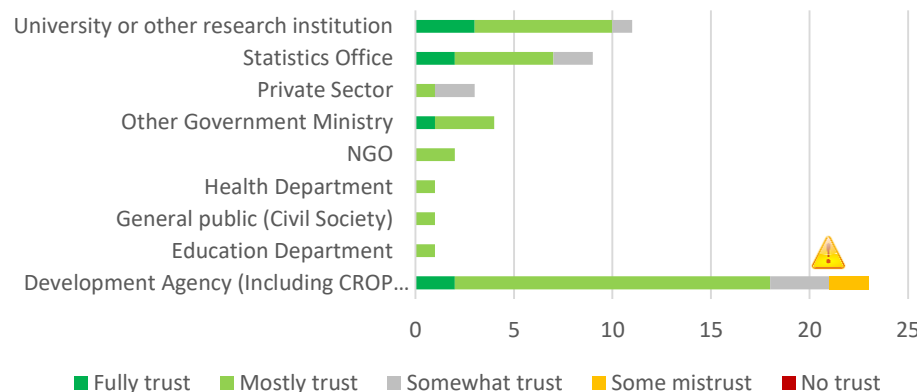
**82%**

**Fully or  
mostly  
TRUST data  
ACCURACY**

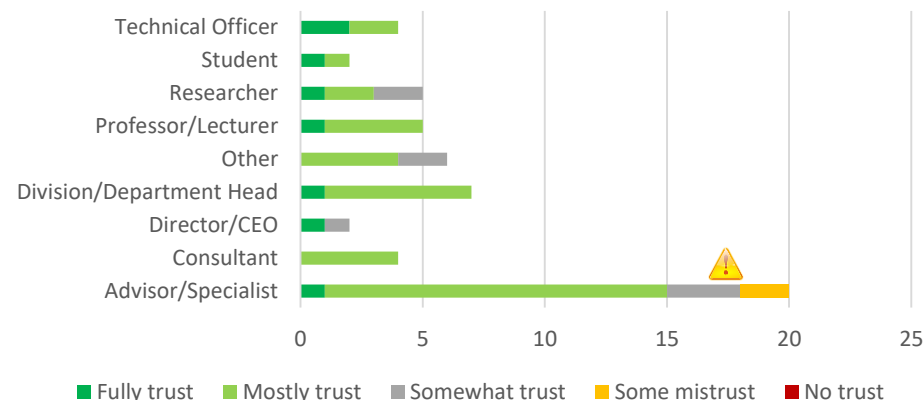
*"There are errors and inconsistencies  
which are apparent if you look at the time  
series"*

*(somewhat trusts)*

Trust of data accuracy



Trust of data accuracy





# User Focus Survey

## PRISM, SDD, NMDI Websites



**43%**

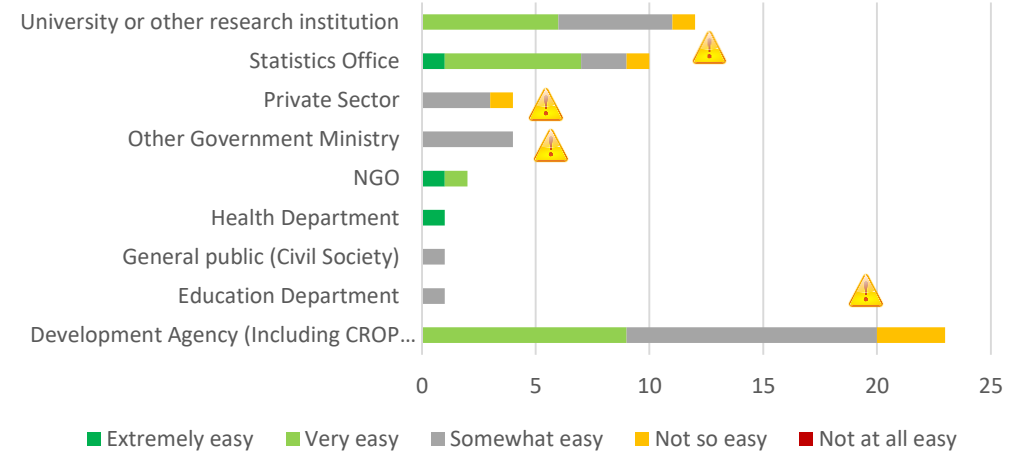
found ACCESS of official statistics through PRISM, SDD, NMDI very or extremely easy

**10%**

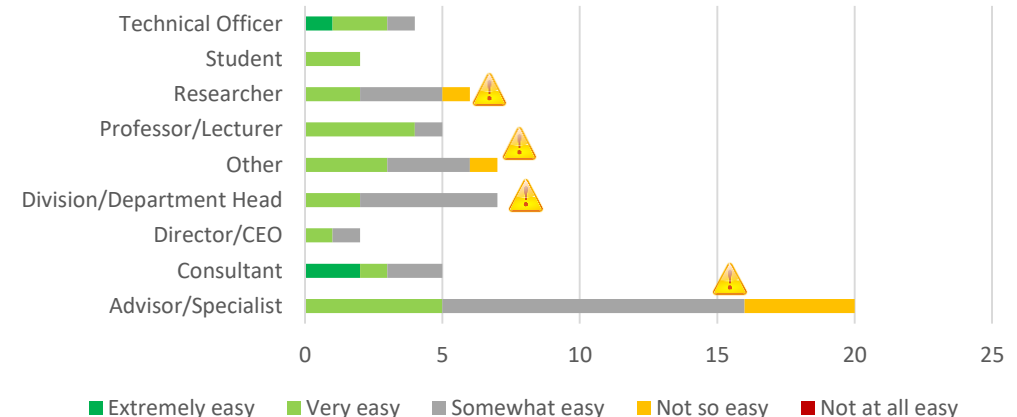
said it was not easy

*“Need to learn to find your way through what's there and am not going there often enough”  
(somewhat easy)*

### Ease of access of official statistics



### Ease of access of official statistics



## PRISM, SDD, NMDI Websites



# 84%

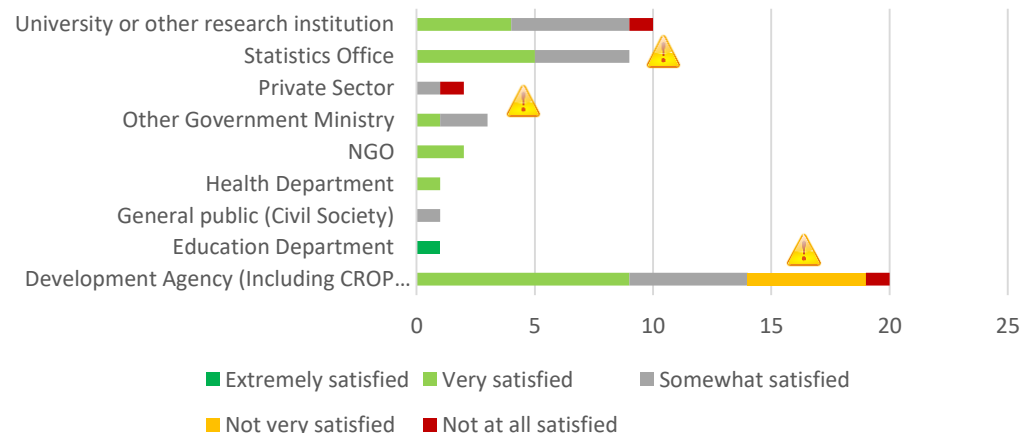
were at least  
somewhat  
satisfied with  
turnaround  
times

*"turn around time can be quite long and often when we rely on outside sources for information it can be quite a while (years at times) between collection and dissemination"*  
(somewhat satisfied)

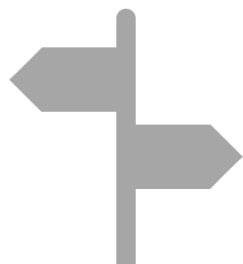
Turnaround time satisfaction



Turnaround time satisfaction



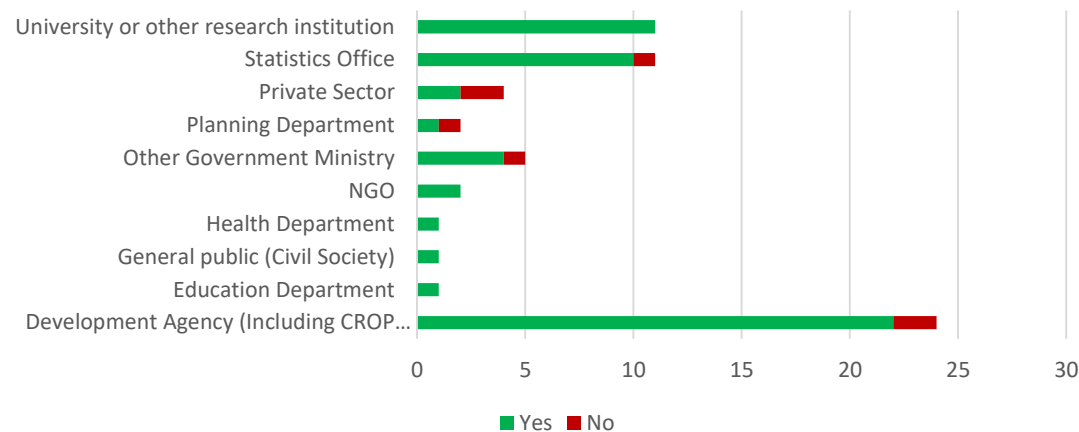
## PRISM, SDD, NMDI Websites



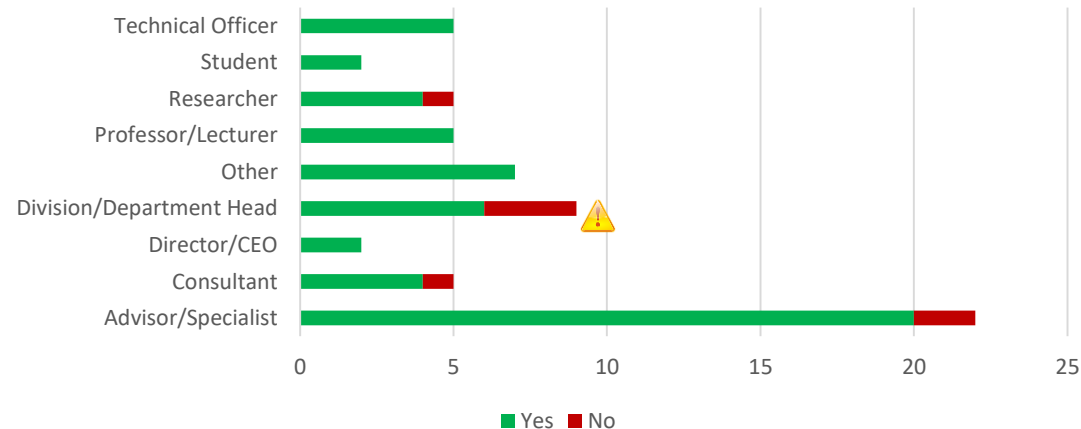
# 89%

**Overwhelming support for SDD acting as the broking house for official statistics in the Pacific**

Support for SDD acting as a broking house



Support for SDD acting as a broking house



## General Feedback

# 1 2 3

For those who ranked at least 3 preferences for dissemination products, each of those top 3 preferences were weighted (1<sup>st</sup> = 3pts, 2<sup>nd</sup> = 2pts, 3<sup>rd</sup> = 1pt)

Census/survey reports	80
Downloadable microdata	43
PopGIS	41
Open data portal	30
NMDI database	29
Census/survey factsheets	29
Infographics	18
SDD Newsletters	4
SDD Innovations site	2

Ranked usefulness of POTENTIAL product adoption or development showed the Table Builder was ranked #1 the most

Heatmap – shades of green are derived per row (organisation or role type) to highlight the importance to that group

*Example:* Statistics Offices scored Census/Survey Reports the highest (dark green), and Open Data Portal the lowest (yellow)

ORGANISATIONS	Census/survey reports	PopGIS	NMDI database	Census/survey factsheets	Downloadable microdata	Open data portal	Infographics	SDD newsletters	SDD innovations
Development Agency (Including CROP Organisations)	31	12	16	13	31	11	6		
Health Department		3			2	1			
NGO		3	2			1			
Other Government Ministry	5	1	1	2		4		3	2
Planning Department	6	2	1	2			1		
Private Sector	8	5	2	1	1	1			
Statistics Office	18	10	4	7		2	7		
University or other research institution	12	5	3	4	9	10	4	1	
<b>TOTAL</b>	<b>80</b>	<b>41</b>	<b>29</b>	<b>29</b>	<b>43</b>	<b>30</b>	<b>18</b>	<b>4</b>	<b>2</b>

ROLES	Census/survey reports	PopGIS	NMDI database	Census/survey factsheets	Downloadable microdata	Open data portal	Infographics	SDD newsletters	SDD innovations
Advisor/Specialist	33	17	16	1	27	10	4		
Consultant	3	4			4	2		3	2
Director/CEO	6			2		1	3		
Division/Department Head	15	6	4	8	1	5	3		
Other	8	2		6	1	1			
Professor/Lecturer	1	3	1	3	4	7	4	1	
Researcher	6	5	4	1		2			
Student	2	1			3				
Technical Officer	6	3	4	8	3	2	4		
<b>TOTAL</b>	<b>80</b>	<b>41</b>	<b>29</b>	<b>29</b>	<b>43</b>	<b>30</b>	<b>18</b>	<b>4</b>	<b>2</b>

\* *Example insight:* overall, downloadable microdata scored very similarly to PopGIS, yet we can clearly see that microdata is important to a smaller range of organisation types

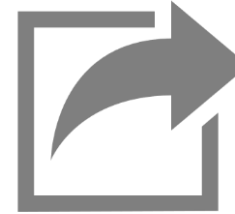
## General Feedback



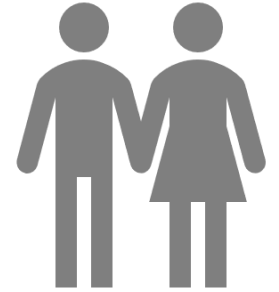
**70% respondents said it took about as much as time as they expected to find what they were looking for on the SDD website. 26% said it took less time than expected**



**96% found the visuals of the SDD websites at least somewhat appealing**

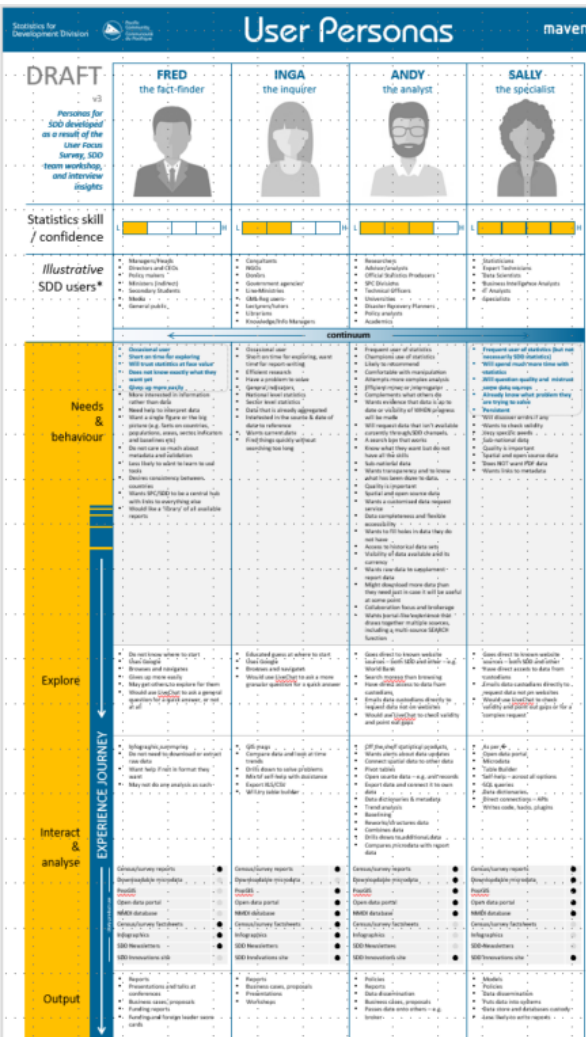


**96% found understanding SDD website information at least somewhat easy**



**90% are very or extremely likely to recommend a SDD website to a colleague or friend**

# User Focus Survey



DRAFT

Explore

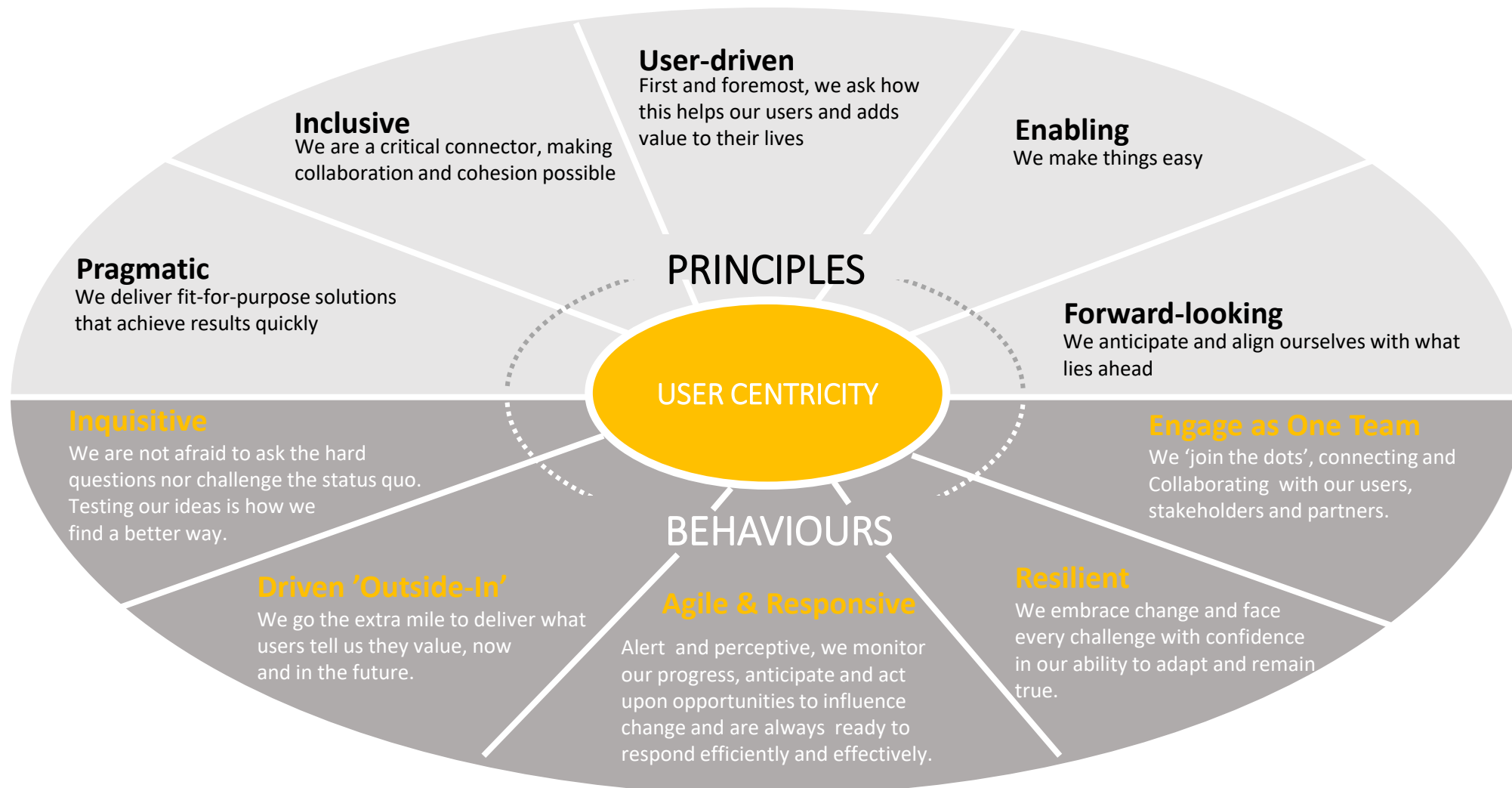
Interact & analyse

Output

EXPERIENCE JOURNEY

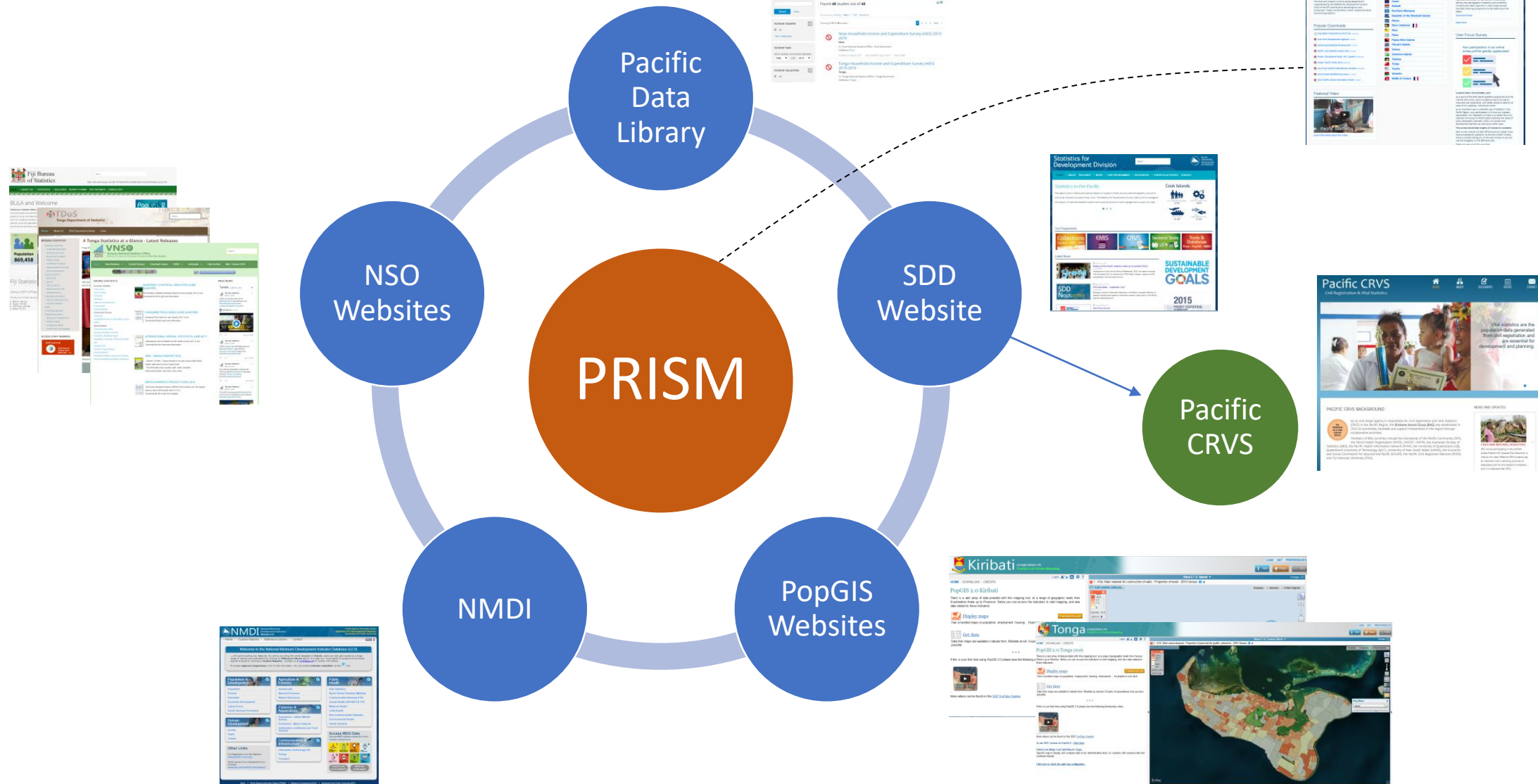
FRED the fact-finder	INGA the inquirer	ANDY the analyst	SALLY the specialist
<ul style="list-style-type: none"> <li>Occasional user</li> <li>Short on time for exploring</li> </ul>	<ul style="list-style-type: none"> <li>Occasional user</li> <li>Short on time for exploring, want</li> </ul>	<ul style="list-style-type: none"> <li>Frequent user of statistics</li> <li>Champions use of statistics</li> </ul>	<ul style="list-style-type: none"> <li>Frequent user of statistics (but not necessarily SDD statistics)</li> </ul>
<ul style="list-style-type: none"> <li>Do not know where to start</li> <li>Uses Google</li> <li>Browses and navigates</li> <li>Gives up more easily</li> <li>May get others to explore for them</li> <li>Would use <a href="#">LiveChat</a> to ask a general question for a quick answer, or not at all</li> </ul>	<ul style="list-style-type: none"> <li>Educated guess at where to start</li> <li>Uses Google</li> <li>Browses and navigates</li> <li>Would use <a href="#">LiveChat</a> to ask a more granular question for a quick answer</li> </ul>	<ul style="list-style-type: none"> <li>Goes direct to known website sources – both SDD and other – e.g. World Bank</li> <li>Search <a href="#">moreso</a> than browsing</li> <li>Have direct access to data from custodians</li> <li>Emails data custodians directly to request data not on websites</li> <li>Would use <a href="#">LiveChat</a> to check validity and point out gaps</li> </ul>	<ul style="list-style-type: none"> <li>Goes direct to known website sources – both SDD and other</li> <li>Have direct access to data from custodians</li> <li>Emails data custodians directly to request data not on websites</li> <li>Would use <a href="#">LiveChat</a> to check validity and point out gaps or for a complex request</li> </ul>
<ul style="list-style-type: none"> <li>Infographic summaries</li> <li>Do not need to download or extract raw data</li> <li>Want help if not in format they want</li> <li>May not do any analysis as such</li> </ul>	<ul style="list-style-type: none"> <li>GIS maps</li> <li>Compare data and look at time trends</li> <li>Drills down to solve problems</li> <li>Mix of self-help with assistance</li> <li>Export XLS/CSV</li> <li>Will try table builder</li> </ul>	<ul style="list-style-type: none"> <li>Off the shelf statistical products</li> <li>Wants alerts about data updates</li> <li>Connect spatial data to other data</li> <li>Pivot tables</li> <li>Open source data – e.g. unit records</li> <li>Export data and connect it to own data</li> <li>Data dictionaries &amp; metadata</li> <li>Trend analysis</li> <li>Baselining</li> <li>Reworks/structures data</li> <li>Combines data</li> <li>Drills down to additional data</li> <li>Compares microdata with report data</li> </ul>	<ul style="list-style-type: none"> <li>As per</li> <li>Open data portal</li> <li>Microdata</li> <li>Table Builder</li> <li>Self-help – across all options</li> <li>SQL queries</li> <li>Data dictionaries</li> <li>Direct connections – APIs</li> <li>Writes code, hacks, plugins</li> </ul>
Census/survey reports ● Downloadable microdata ● PopGIS ●	Census/survey reports ● Downloadable microdata ● PopGIS ●	Census/survey reports ● Downloadable microdata ● PopGIS ●	Census/survey reports ● Downloadable microdata ● PopGIS ●
<ul style="list-style-type: none"> <li>Reports</li> <li>Presentations and talks at conferences</li> <li>Business cases, proposals</li> <li>Funding reports</li> <li>Funding and foreign leader score cards</li> </ul>	<ul style="list-style-type: none"> <li>Reports</li> <li>Business cases, proposals</li> <li>Presentations</li> <li>Workshops</li> </ul>	<ul style="list-style-type: none"> <li>Policies</li> <li>Reports</li> <li>Data dissemination</li> <li>Business cases, proposals</li> <li>Passes data onto others – e.g. broker</li> </ul>	<ul style="list-style-type: none"> <li>Models</li> <li>Policies</li> <li>Data dissemination</li> <li>Puts data into systems</li> <li>Data store and databases custody</li> <li>Less likely to write reports</li> </ul>

# User Focus Survey



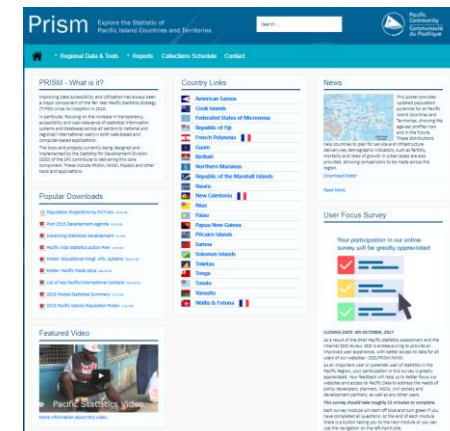


# SDD Websites



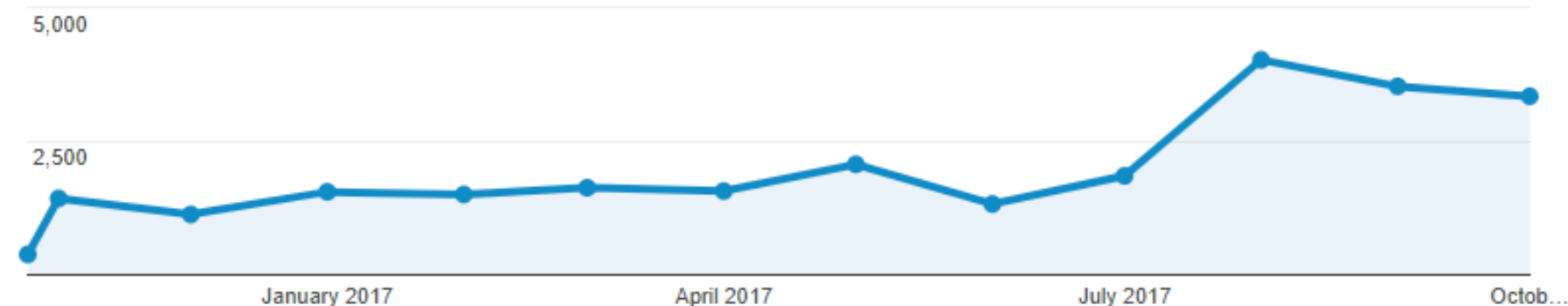


- <http://prism.spc.int>
- Country Sites:
  - 14 NSO Joomla websites, 12 recently upgraded
  - 2 NSO Wordpress websites.
  - All websites hosted either locally or at SPC, depending on individual requirements
  - 6 workshops were conducted for 36 people + 10 Noumea-based attachments.



# PRISM Usage Statistics

## Page Views



Country	Page Views	Page Views	Continent	Page Views	Page Views	contribution to total: Page Views
	12,827 % of Total: 0.56% (2,279,931)	12,827 % of Total: 0.56% (2,279,931)		25,563 % of Total: 1.12% (2,279,931)	25,563 % of Total: 1.12% (2,279,931)	
Fiji	3,992	31.12%	1.  Oceania	12,826	50.17%	
Australia	2,550	19.88%	2.  Europe	4,229	16.54%	
Solomon Islands	1,398	10.90%	3.  Asia	4,020	15.73%	
New Zealand	1,055	8.22%	4.  Americas	3,936	15.40%	
Tonga	1,045	8.15%	5.  Africa	363	1.42%	
New Caledonia	1,030	8.03%	6.  (not set)	189	0.74%	
Papua New Guinea	577	4.50%				
Vanuatu	318	2.48%				
Micronesia	197	1.54%				
Samoa	192	1.50%				

- <http://www.spc.int/nmdi>
- 6 main themes:
  1. Population and Development,
  2. Agriculture and Forestry,
  3. Human Development,
  4. Fisheries and Aquaculture,
  5. Public Health,
  6. Communications and Infrastructure
- View tables, charts, maps
- MDG dataset was key - > will be replaced by SDGs
- Contains 15,160 data points (100% increase since HOPS 2013)



# NMDI Usage Statistics

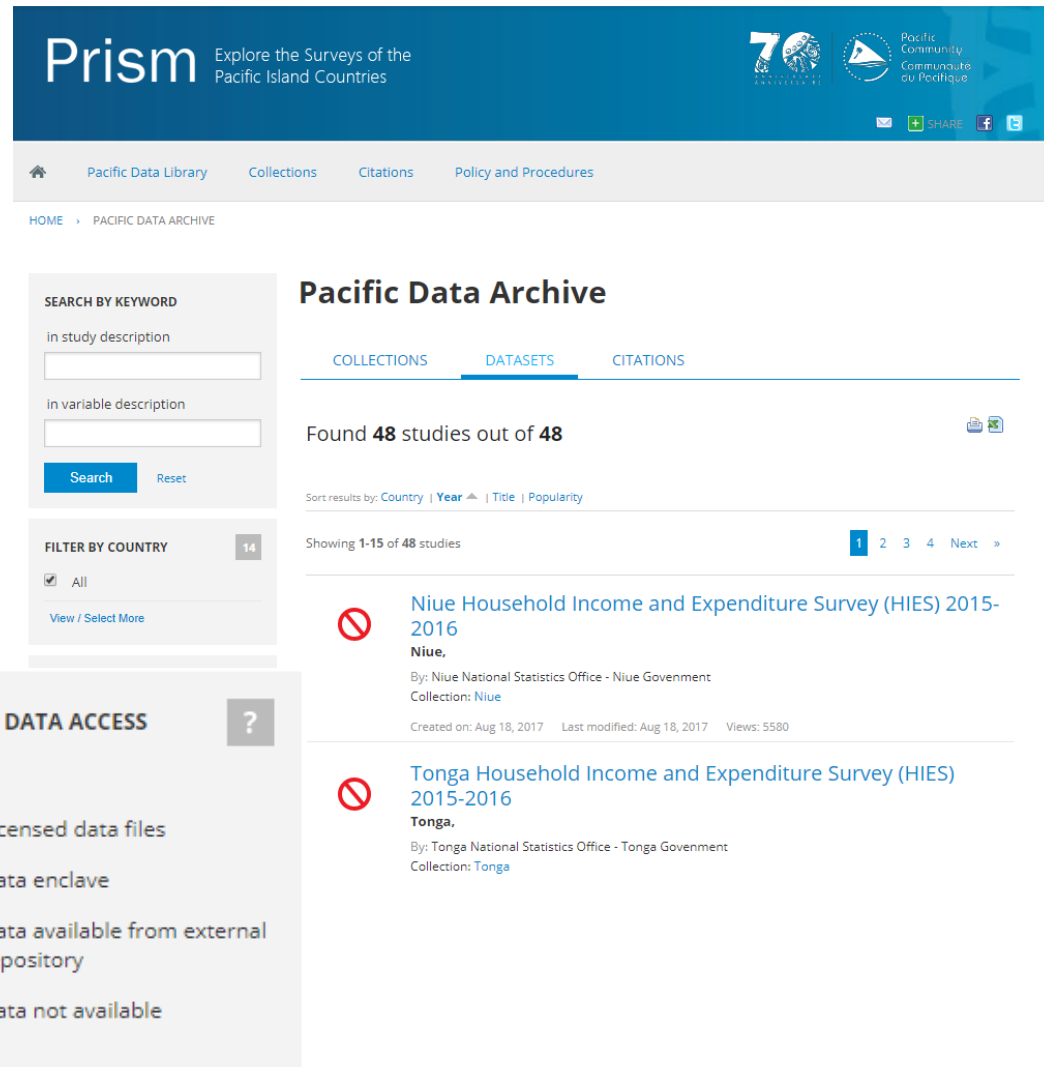
● Page Views



Country	Page Views	Page Views	Continent	Page Views	Page Views	contribution to total: Page Views
	2,336 % of Total: 0.10% (2,271,203)	2,336 % of Total: 0.10% (2,271,203)		3,227 % of Total: 0.14% (2,271,203)	3,227 % of Total: 0.14% (2,271,203)	
Fiji	631	27.01%	1.  Oceania	2,337	72.42%	
Australia	575	24.61%	2.  Asia	388	12.02%	
New Zealand	333	14.26%	3.  Europe	276	8.55%	
New Caledonia	308	13.18%	4.  Americas	201	6.23%	
Vanuatu	199	8.52%	5.  Africa	19	0.59%	
Samoa	73	3.12%	6.  (not set)	6	0.19%	
Solomon Islands	65	2.78%				
Micronesia	27	1.16%				
Guam	24	1.03%				
Papua New Guinea	21	0.90%				

# Pacific Data Library

- Standardised platform to document collections + mechanism for microdata access.
- 48 surveys have been published; 2 to be released shortly
- Regional microdata documentation + dissemination workshop run for 8 people
- Will be rebranded to Pacific Data Archive + expanded (WB support)



**Prism** Explore the Surveys of the Pacific Island Countries

HOME • PACIFIC DATA ARCHIVE

**Pacific Data Archive**

COLLECTIONS DATASETS CITATIONS

Found **48** studies out of **48**

Sort results by: Country | Year ▲ | Title | Popularity

Showing 1-15 of 48 studies

**Niue Household Income and Expenditure Survey (HIES) 2015-2016**  
 Niue,  
 By: Niue National Statistics Office - Niue Government  
 Collection: Niue  
 Created on: Aug 18, 2017 Last modified: Aug 18, 2017 Views: 5580

**Tonga Household Income and Expenditure Survey (HIES) 2015-2016**  
 Tonga,  
 By: Tonga National Statistics Office - Tonga Government  
 Collection: Tonga

**SEARCH BY KEYWORD**

In study description

In variable description

Search Reset

**FILTER BY COUNTRY** 14

☒ All  
[View / Select More](#)

**FILTER BY DATA ACCESS** ?

☒ All

☐ Licensed data files

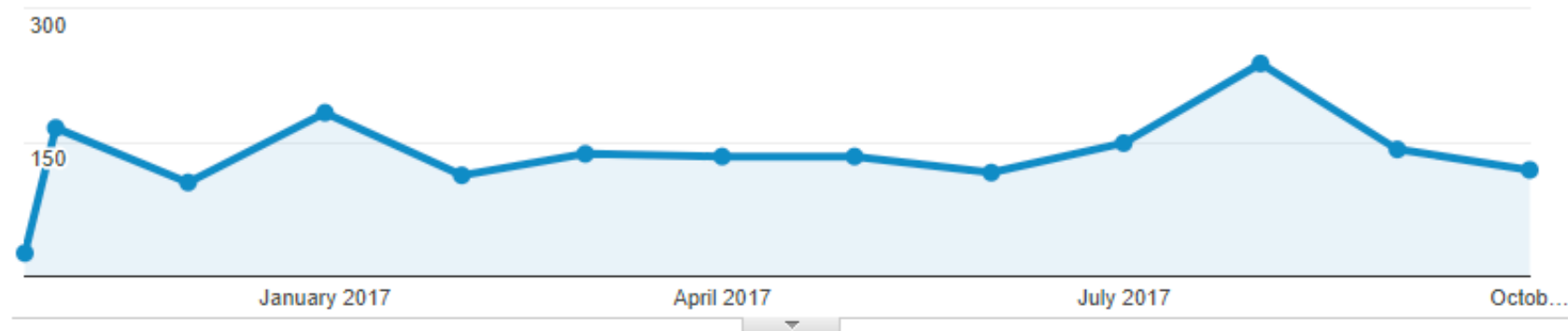
☐ Data enclave

☐ Data available from external repository

☐ Data not available

# Pacific Data Library Usage Statistics

● Page Views



Country	Page Views	Page Views	Continent	Page Views	Page Views	contribution to total: Page Views
	855 % of Total: 0.04% (2,271,203)	855 % of Total: 0.04% (2,271,203)		1,741 % of Total: 0.08% (2,271,203)	1,741 % of Total: 0.08% (2,271,203)	
Australia	280	32.75%	1. Oceania	858	49.28%	
New Caledonia	179	20.94%	2. Americas	519	29.81%	
Fiji	149	17.43%	3. Asia	181	10.40%	
Vanuatu	90	10.53%	4. Europe	125	7.18%	
New Zealand	83	9.71%	5. (not set)	42	2.41%	
Solomon Islands	20	2.34%	6. Africa	16	0.92%	
Samoa	16	1.87%				
Micronesia	12	1.40%				
Tonga	12	1.40%				
Cook Islands	3	0.35%				

# SDD Main Website

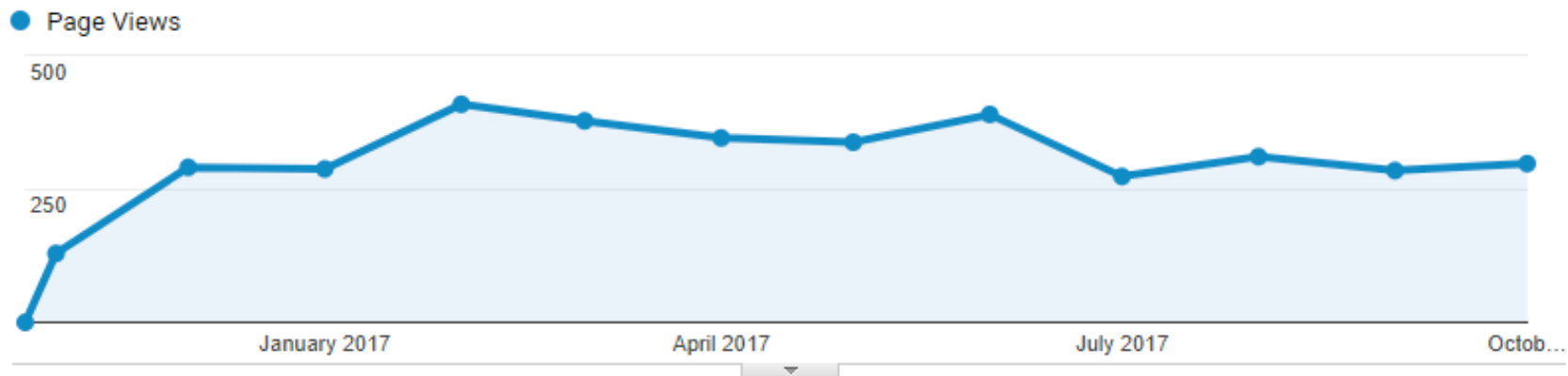
- Information about SDD
- Latest news, media releases
- Information about different SDD programme areas
- Document library
- Events + activities



The screenshot shows the homepage of the Statistics for Development Division (SDD) website. The header features the title "Statistics for Development Division" and a search bar. The navigation menu includes links for HOME, ABOUT, RELEASES, NEWS, OUR PROGRAMMES, RESOURCES, EVENTS & ACTIVITIES, and CONTACT. The main content area is divided into several sections:

- Statistics in the Pacific:** A section describing the division's role in supporting policy-makers and analysts with timely and accurate demographic, economic, and social indicators.
- Cook Islands:** A section displaying key statistics for the Cook Islands, including population, GDP per capita, and trade balance.
- Our Programmes:** A section highlighting various data collection and analysis tools, including Collections (Census, HIES, DHS), EMIS, CRVS, Sectoral Stats, and Tools & Database (Prism, PopGIS, NMDI).
- Latest News:** A section featuring recent news items, including a meeting of the Pacific Statistics Steering Committee (PSSC) and the release of the SDD Newsletter for September 2017.
- Sustainable Development Goals:** A section promoting the 2015 Pocket Statistical Summary, which focuses on the Sustainable Development Goals.

# SDD Main Website Usage Statistics



Country	Page Views	Page Views	Continent	Page Views	Page Views	contribution to total: Page Views
	2,367 % of Total: 0.10% (2,271,203)	2,367 % of Total: 0.10% (2,271,203)		3,659 % of Total: 0.16% (2,271,203)	3,659 % of Total: 0.16% (2,271,203)	
Fiji	644	27.21%	1.  Oceania	2,366	64.66%	
New Caledonia	536	22.64%	2.  Asia	478	13.06%	
Australia	514	21.72%	3.  Americas	392	10.71%	
New Zealand	243	10.27%	4.  Europe	357	9.76%	
Vanuatu	104	4.39%	5.  Africa	41	1.12%	
Solomon Islands	66	2.79%	6.  (not set)	25	0.68%	
Samoa	45	1.90%				
Papua New Guinea	42	1.77%				
Micronesia	39	1.65%				
Tonga	32	1.35%				



# PopGIS 2

- 11,000 indicators + 12,000 calculated values (proportions, ratios) across all 14 sites
- 2 workshops (20 people)
- Many PopGIS presentations during workshops and meetings
- In-country PopGIS training is often conducted for selected staff as part of other activities (census and survey field map production, and household listings etc)



Regional Mapping  
(Released Qtr 2 2014)



Cook Islands  
(Released Qtr 4 2015)



Fiji Islands  
(Released Qtr 3 2014)



FSM  
(Released Qtr 3 2014)



Kiribati  
(Released Qtr 1 2015)



Marshall Islands  
(Released Qtr 2 2017)



Nauru  
(Released Qtr 1 2017)



New Caledonia  
(Released Qtr 1 2016)



Palau  
(Released Qtr 4 2016)



Solomon Islands  
(Released Qtr 2 2014)



Tonga  
(Released Qtr 4 2015)



Tuvalu  
(Released Qtr 3 2014)



Vanuatu  
(Released Qtr 1 2015)



Wallis and Futuna  
(Released Qtr 2 2017)

## Next Releases

- Niue



## Tonga

popgis2@spc.int  
PopGIS 2.0 Online Mapping

Login **A** **A** **A** **@** **?**

[HOME](#) | [DOWNLOAD](#) | [CREDITS](#)

## PopGIS 2.0 Tonga 2016

There is a vast array of data provided with this mapping tool, at a range of geographic levels from Census Blocks up to Districts. Below you can access the indicators to start mapping, and view data related to those indicators.



[Display maps](#)

[>> ACCESS FULL LIST](#)

Over a hundred maps on population, employment, housing, environment ... Examples in one click:



[Get data](#)

Data from maps are available in tabular form, filterable as desired. Exports of spreadsheet (xls) are also possible.

...

If this is your first time using PopGIS 2.0 please view the following introductory video:



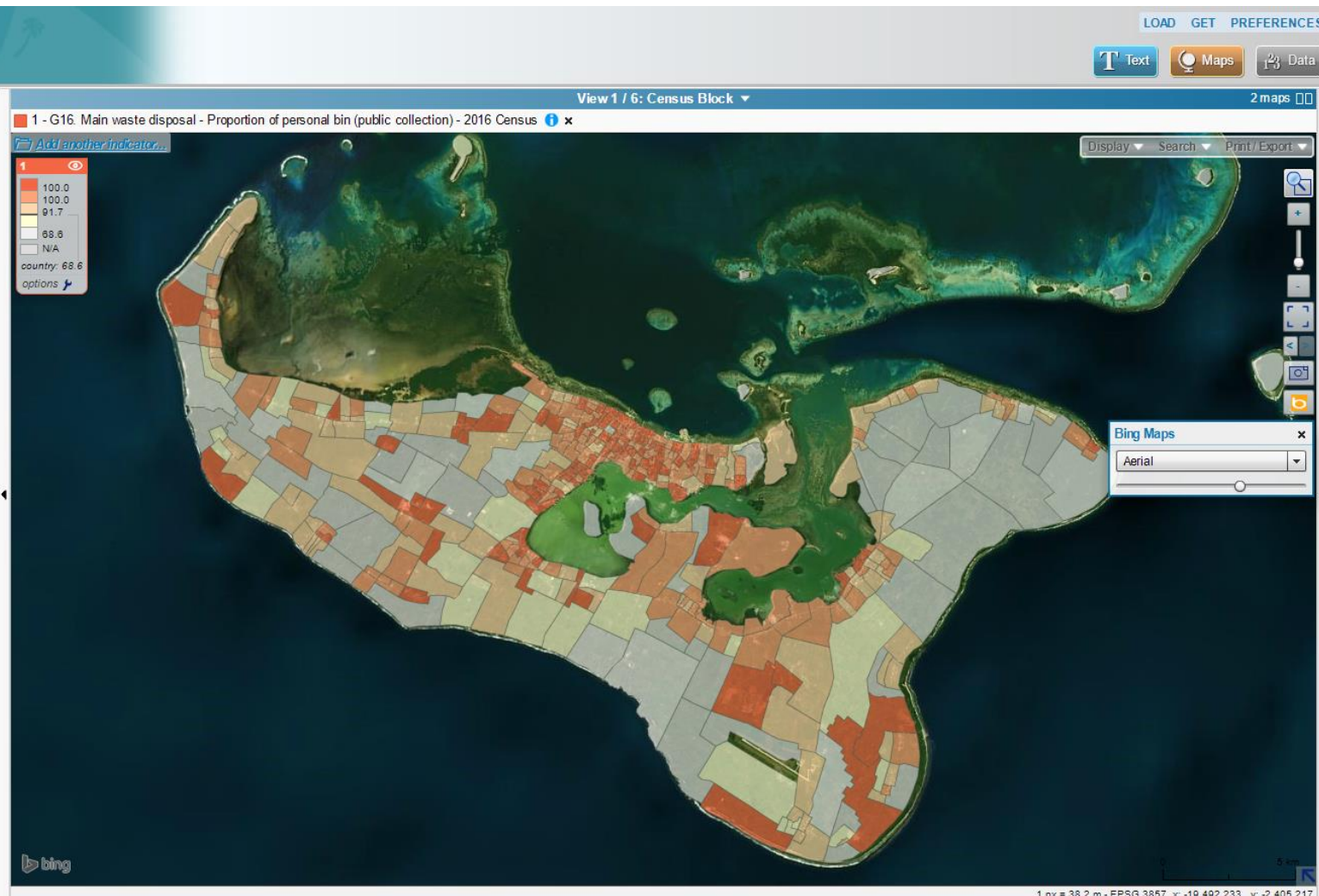
More videos can be found on the SDD [YouTube channel](#)

To see 2011 Census on PopGIS 2 : [Click Here](#)

District and village Level Split Map for Tonga.

Specific map to display and compare data at low administrative level, on countries with several small and scattered islands.

[Click here to check the split map configuration.](#)



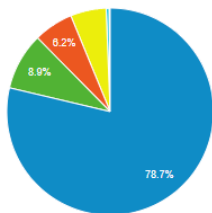
# PopGIS Usage Statistics

## Fiji



Country	Page Views	Page Views
	2,391 % of Total: 0.11% (2,271,203)	2,391 % of Total: 0.11% (2,271,203)
Fiji	1,538	64.32%
Australia	528	22.08%
New Zealand	155	6.48%
New Caledonia	101	4.22%
Papua New Guinea	24	1.00%
Vanuatu	15	0.63%
Solomon Islands	14	0.59%
Micronesia	8	0.33%
Tonga	3	0.13%
Samoa	3	0.13%

	3,041 % of Total: 0.13% (2,271,203)	3,041 % of Total: 0.13% (2,271,203)
1.  Oceania	2,393	78.69%
2.  Americas	271	8.91%
3.  Europe	188	6.18%
4.  Asia	170	5.59%
5.  (not set)	14	0.46%
6.  Africa	5	0.16%

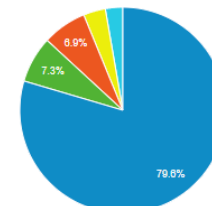


## Vanuatu



Country	Page Views	Page Views
	1,628 % of Total: 0.07% (2,271,203)	1,628 % of Total: 0.07% (2,271,203)
Vanuatu	1,102	67.69%
Australia	242	14.86%
New Caledonia	139	8.54%
Fiji	95	5.84%
New Zealand	46	2.83%
Micronesia	2	0.12%
Papua New Guinea	1	0.06%
Solomon Islands	1	0.06%

Continent	Page Views	Page Views	contribution to total: Page Views
	2,047 % of Total: 0.09% (2,271,203)	2,047 % of Total: 0.09% (2,271,203)	
1.  Oceania	1,629	79.58%	
2.  Americas	149	7.28%	
3.  Europe	142	6.94%	
4.  Asia	71	3.47%	
5.  (not set)	56	2.74%	



# PopGIS 2

- Basic population data is the most sought after!

Country	MOST VIEWED INDICATORS 01/01/17 TO 03/11/17										Total Counts	
	1st		2nd		3rd		4th		5th		Map views	Data downloads
Cooks	School Level - EMIS 2016		School Status - EMIS 2016		Total Population		Number of females 79+		Total Female Population		181	12
	34	0	14	0	19	5	6	0	5	0		
Fiji	Total Population - 2007		Total Pop 2015 projections		Localities		Ethnicity - Total Fijian		Total Evacuation Centre		2573	268
	217	41	91	22	52	10	41	25	38	5		
FSM	School Type - VEMIS 2015		Sex - Total Population - 2010		Sex - Female - 2010		Number of HH - 2010		School - Enrolment - VEMIS 2015		361	36
	38	1	54	19	19	0	23	6	13	0		
Kiribati	School Type - KEMIS 2015		Total Population - 2010		Proportion of HH using kerosene - 2010		Total Enrolment by island - KEMIS 2014		Total Number of HH - 2010		244	30
	50	1	36	10	7	0	7	0	13	2		
RMI	Total Resident pop - 2011		School Authority - MIEMIS 2016		Total Population - 2011		Proportion of total never married (12+) - 2011		%using pub piped water inside dwelling - 2011		324	10
	36	3	11	0	21	2	8	0	4	0		
Nauru	Total Population - 2011		Female Population - 2011		Proportion of female born in Nauru - 2011		Total Pop mainly speaking other - 2011		School Type - EMIS 2016		340	24
	66	22	7	0	6	0	6	0	6	0		
New Caledonia	Number of exploitation - 2012		Part des exploitations sur foncier coutumier		Population agricole familiale		Part des exploitations sur foncier privé		Marchande et professionnelle		20	0
	4	0	4	0	2	0	1	0	1	0		
Palau	Total Population - 2015		Number of HH - 2015		School Type - EMIS 2016		Ethnicity - Proportion of total Other - 2015		Total Population more than 5 years - 2015		789	17
	89	10	31	3	12	0	8	0	7	0		
Solomon Islands	Total Population - 2009		Level complete - Total some college or above (25+) - 2009		Total Population - (25+) - 2009		School Type - SIEMIS		Ethnicity - Total Polynesian - 2009		1037	266
	144	35	96	4	93	138	27	0	13	0		
Tonga	Total Population - 2011		School Level - TEMIS 2016		Number of total students - TEMIS 2012		Total 10 - 14 years old - 2011		Male 5 - 9 years old - 2011		430	18
	52	7	37	1	22	0	6	0	6	0		
Tuvalu	Total resident Pop - 2012		Ethnicity - Total Tuvaluan - 2012		Total Population - 2012		School Type - TEMIS 2014		Number of HH		429	26
	70	14	30	1	19	1	14	0	18	1		
Vanuatu	Total Population - 2009		Ethnicity - Total Euro/Aust/NZ - 2009		Religion - Total Catholic - 2009		% HH using protected well for drinking water - 2009		Religion - Total Anglican - 2009		2087	533
	498	168	28	8	23	0	23	0	22	14		
Wallis et Futuna	Total Population - 2013		Access to internet		School Level - 2016		Number of students by school		School Type		188	13
	16	10	10	0	9	0	6	0	6	0		



## Indicators : explore database

I search indicators on a specific  
topic



## Reports : edit a dashboard on a custom area

I select an area and get detailed  
reports



## Overlays : display et compare

I map a wide range of geographical  
levels, I analyze their structure



## Loading external data

I map my personal data and cross it  
with native indicators



## Indicators: maps, data and charts

### SELECT INDICATORS





POPULATION (CENSUS 2016) 1545

HOUSING (CENSUS 2016) 280

G1. Type of living quarters 13

G3. Main material of floor 11

G4. Main material of roof 11

G5. Main material of wall 11

G6. Number of rooms 11

**G7. Main source of drinking water 13**

G8. Main source of water for cooking 9

G9. Toilet facility 11

G10. Location of toilet facility 7

G11. Share toilet with other household 5

G13. Main place of cooking 11

G14. Main source of cooking energy 13

G15. Main source of lighting 11

G16. Main waste disposal 15

G17s. Number of cell phones 11

G17u. Number of PCs 11

G17v. Number of laptops 7

G17x. Household access to internet 5

G18. Main source of income 19

H1. Agriculture 11

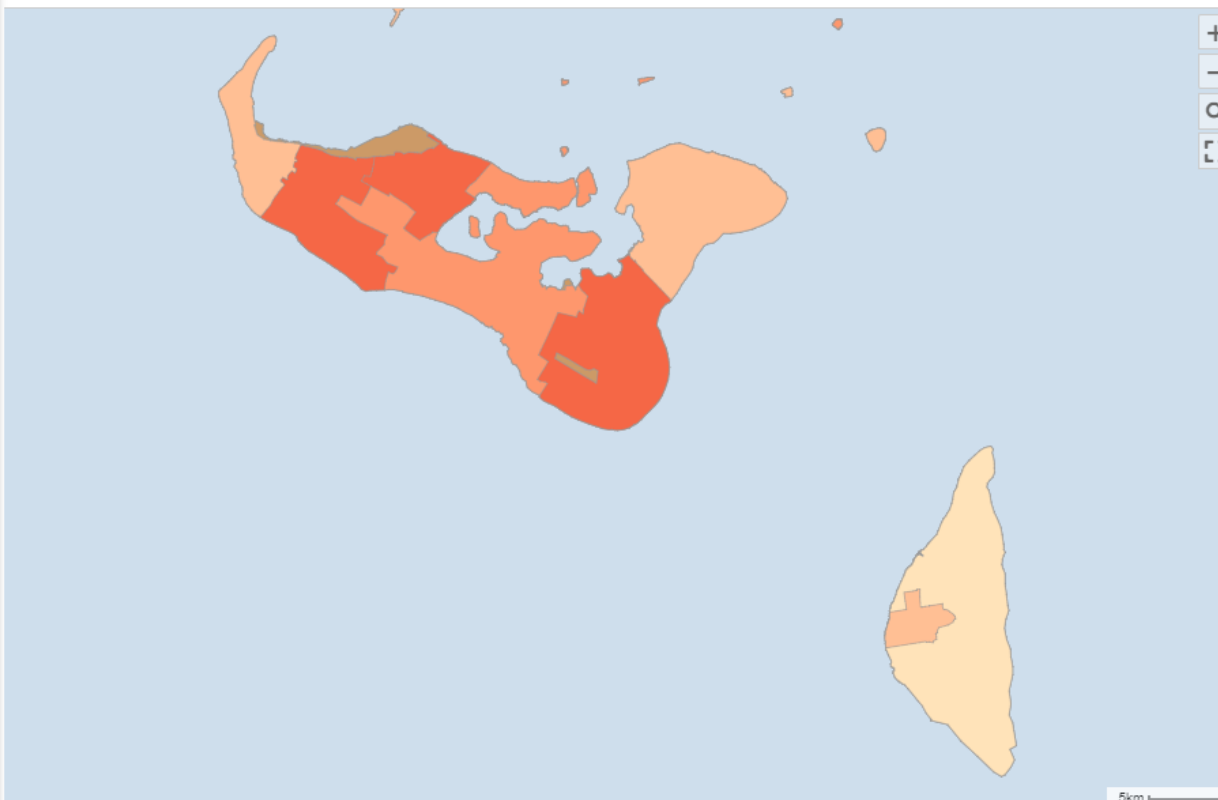
H2. Land area 9

H3. Purpose of growing crops 11

H4. Fishing 11

[MAP](#)
[TABLE](#)
[SUMMARY](#)

### 1 G7. Main source of drinking water - Proportion of piped water supply - 2016 Census

[ACTIONS](#)


DISTRICT

23 districts

1 settings

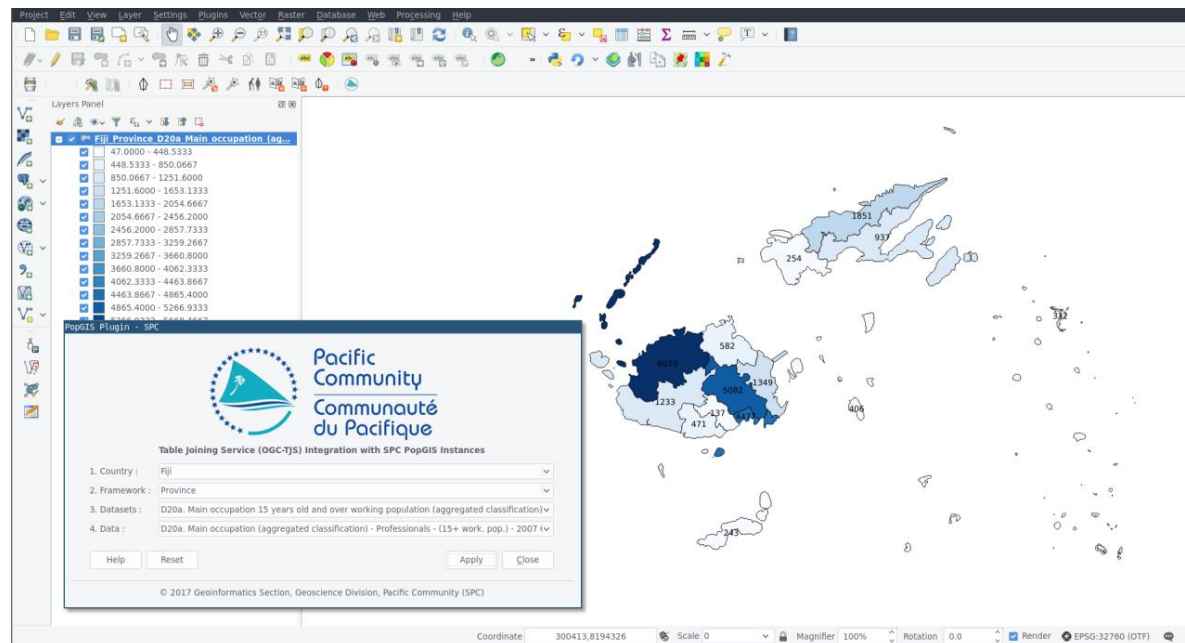
0.00 to 0.72 (4)  
1.01 to 2.12 (5)  
3.18 to 9.09 (7)  
9.99 to 11.52 (2)  
11.98 to 15.15 (5)

Tonga: 9.99 %

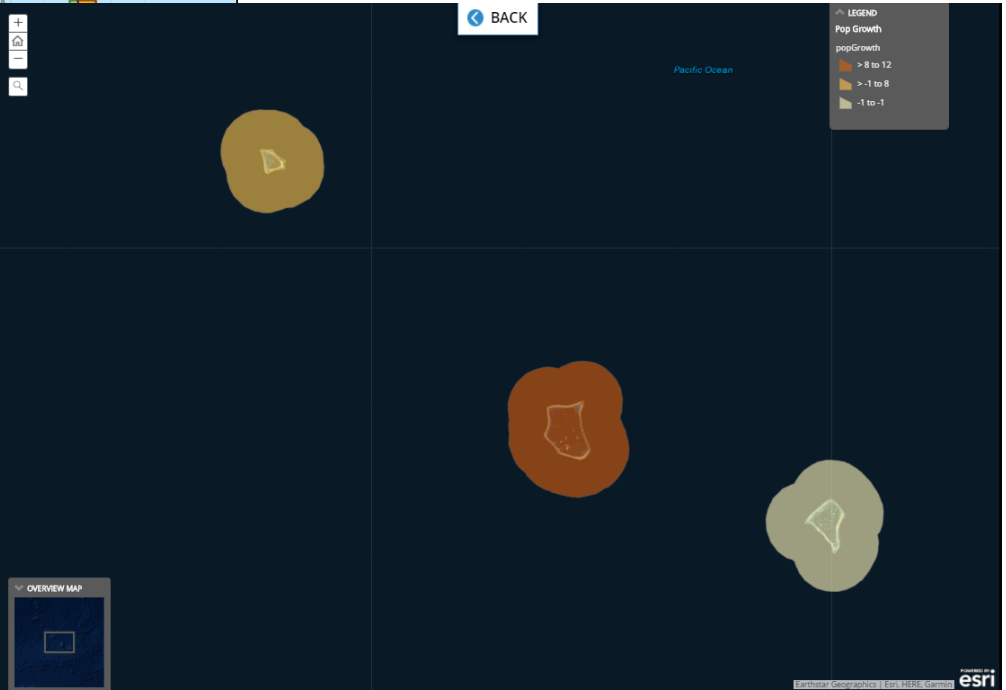
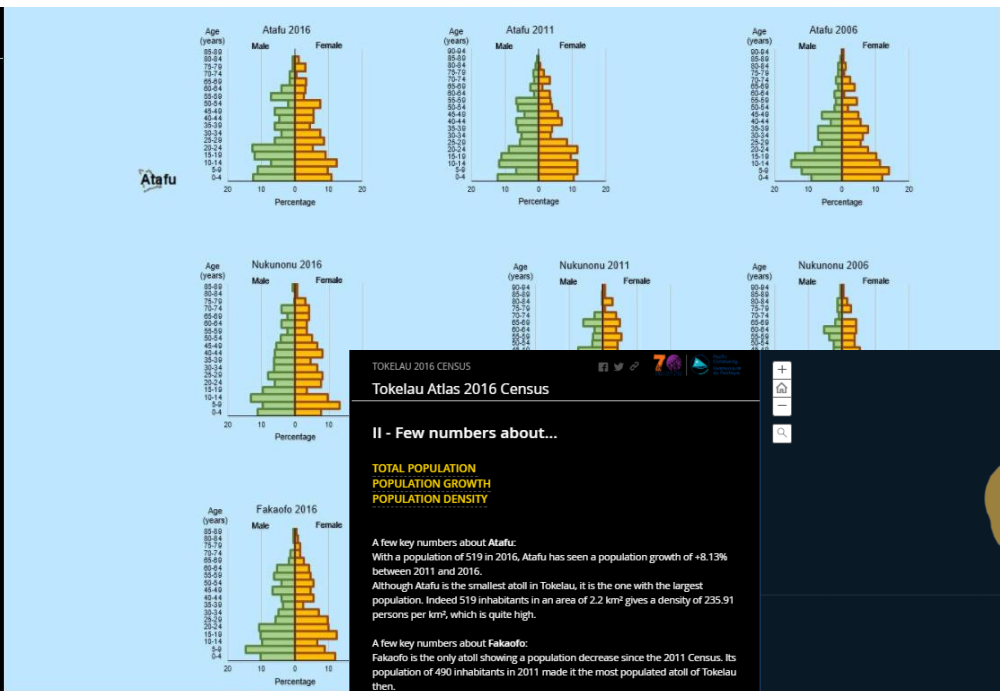
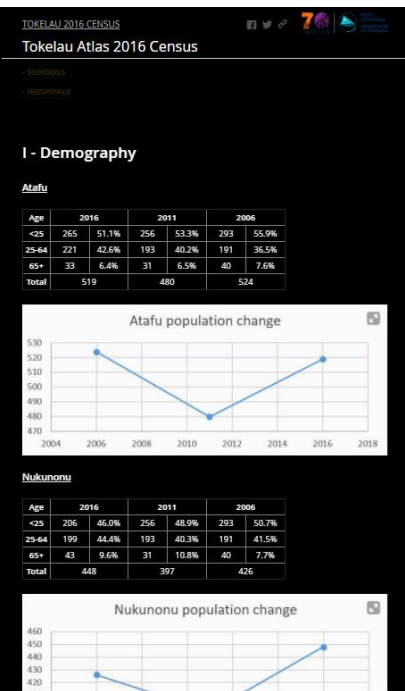


# QGIS Plugin

- <https://github.com/sopac/popgis-plugin>
- Allows QGIS users to access all data in PopGIS2 systems directly through plugin



# Tokelau Story Map

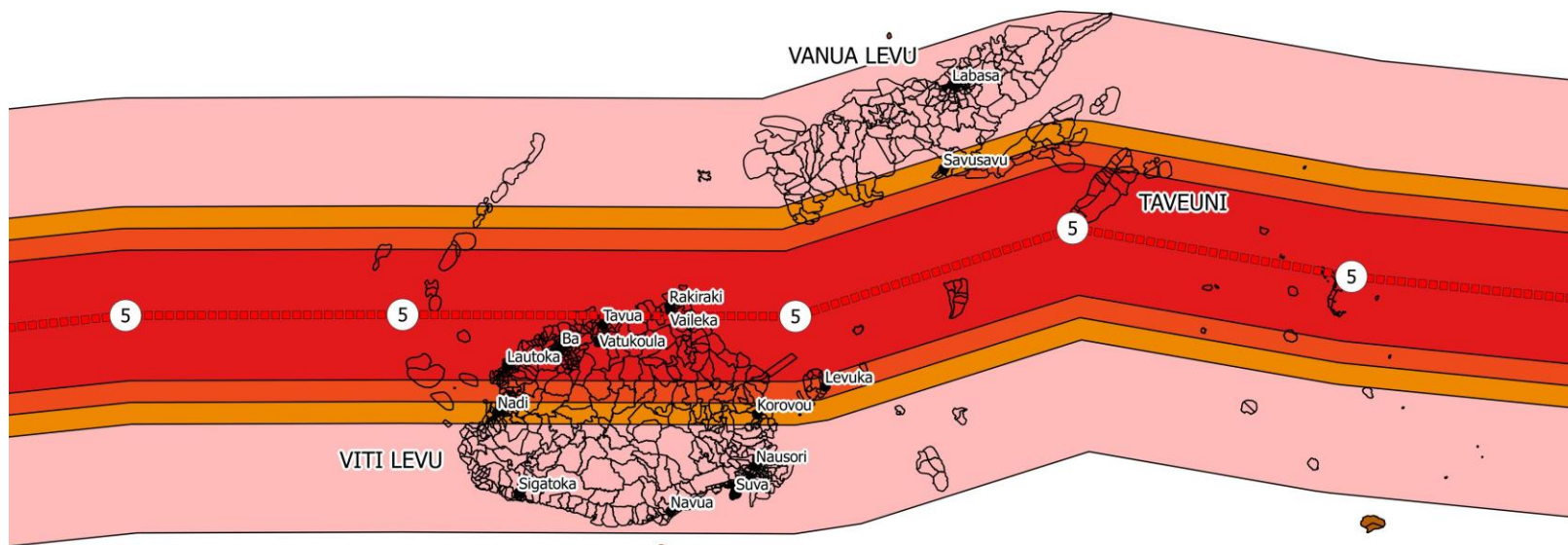




# Ad-hoc map production

## CYCLONE WINSTON POTENTIAL IMPACTED POPULATION - 23/02/16

**NOTE : Population figures projected to 2015 using age distribution from 2007  
Population and Housing Census then prorated to match total projected population**



### Legend

- Intensity
- Cyclone track
- 0-30km: Likely to be severely to extremely affected
- 30-40km: Likely to be seriously to severely affected
- 40-50km: Likely to be moderately to seriously affected
- 50-100km: Likely to be somewhat to moderately affected
- Fiji EAs

0 50 100 km

	0-30km	30-40km	40-50km	50-100km
<b>Total</b>	208070	50662	88996	496281
<b>Male</b>	106875	26530	45481	250770
<b>Female</b>	101195	24132	43515	245511
<b>Children under 18</b>	70218	18691	31244	169737
<b>Children under 5</b>	20887	5642	9685	51174
<b>Children under 1</b>	2103	565	975	5153
<b>Pregnant and lactating mothers</b>	4550	1108	1946	10854

NOTE: EAs which were split by a buffer zone have their populations apportioned to each buffer

Map produced by Phil Bright (philb@spc.int), Statistics for Development Division, SPC, 23-02-16

## Welcome to SDD Innovations

SDD Innovations provides an opportunity for you to participate in shaping the future direction of SDD. As we develop and test new ideas we will post them on this site and ask for your feedback.

Note : this is a test site so the data may not be the most recent or may be inaccurate.



### SDG Portal

Nov 9, 2017 | 1st, SDG | 0 Comments

The Statistics for Development Division is currently working on a Sustainable Development Goal (SDG) Portal to provide easy access to Pacific SDG indicators. The Platform is being built over the top of the Open Data Portal database (currently in development) and will...

[Read More](#)



1/9/2017 | User: QGIS 2.18 (LTP)

### Manual : QGIS for Censuses and Surveys, and Analysis

Aug 21, 2017 | Census, Mapping, QGIS, Surveys | 0 Comments

The SPC Statistics for Development Division (SDD) has been working on a manual to assist anyone wishing to perform census and survey mapping, and analysis with QGIS. QGIS is a free and open-source GIS package which is widely used at SPC for both internal GIS work and...

[Read More](#)



### PopGIS Table Joining Service (TJS) Plugin for QGIS

Aug 22, 2017 | Interoperability, PopGIS | 3 Comments

SDD's popular online PopGIS applications now have additional functionality. The regional NMDD database and the thirteen country databases can be accessed...

## Coming Soon ...

### PopGIS3

PopGIS is being fully redeveloped using HTML5 which will result in a more responsive system which can also be used on tablets and smart phones.

[Open Data Portal](#)



### Census Knowledge Base

Nov 9, 2017 | Census | 0 Comments

The Statistics for Development Division is setting up a knowledge base of documentation and presentations to assist countries embarking on censuses and surveys to plan and conduct the activity, and users of the resulting data to better understand how the data was...

[Read More](#)



### Coastal Population Mapping

Aug 22, 2017 | Mapping, Population | 2 Comments

This collaborative project between SPC and Worldfish has been initiated in direct response to many requests SDD received for coastal population figures. These requests were coming primarily from food security...

[Read More](#)

### Online Survey

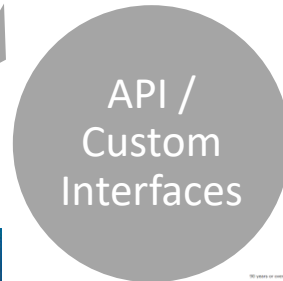
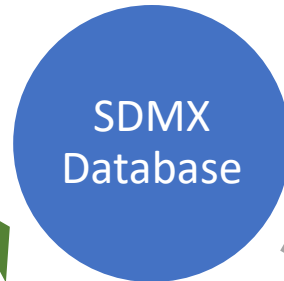
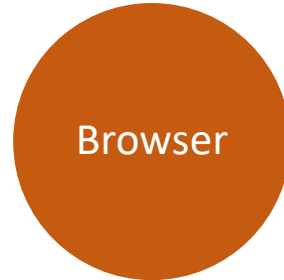


### SDD Customer (User) Focus Survey

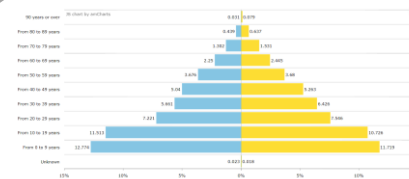
Jul 10, 2017 | Surveys | 0 Comments

As a result of the CPAT Pacific Statistics Assessment and the Internal SDD review, SDD is endeavoring to provide an improved user experience, with better access to data for all users of our websites.

- <http://sddinnovations.spc.int/>
- PopGIS3
- SDG Portal
- Census Knowledge Base
- QGIS for Censuses, Surveys and Analysis Manual
- Coastal Population Mapping
- PopGIS Table Joining Service for QGIS
- User Focus Survey



- Provide well structured and documented datasets which are:
  - Searchable
  - Downloadable in multiple formats
  - Accessible via API (machine-to-machine) – interoperability with international reporting databases eg WB, UN
- Custom interfaces, interactive dashboards – e.g. SDG Portal
- Software plugins – Excel, SPSS, R, STATA



**17 Goals to Transform the Pacific**

The Sustainable Development Goals (SDGs) were born at the United Nations Conference on Sustainable Development in Rio de Janeiro in 2012 as a follow-on from the Millennium Development Goals (MDGs). The SDGs, officially known as "Transforming our world: the 2030 Agenda for Sustainable Development", are a set of 17 "Global Goals" which will form the blueprint for development policy and funding up until 2030. The objective was to produce a set of universal goals that meet the urgent environmental, political and economic challenges facing our world.

This is the Statistics for Development's "mock-up" platform for exploring, visualising and downloading Pacific data relating to the SDGs. The Pacific's progress against each Goal is measured using a set of globally agreed indicators.

This portal, and the indicator database behind it, are being developed with generous funding from New Zealand.

**Find Data**

Search for data

**Sustainable Development Goals**

Click on any icon below with to access spatial indicators relating to that particular Goal.

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	

Statistics for Development Division 2017

**6 CLEAN WATER AND SANITATION**

Clean, accessible water for all is an essential part of the world we want to live in. There is sufficient fresh water on the planet to achieve this. But every year million diseases associated with poor hygiene.

Water scarcity, pollution, and droughts negatively impact educational opportunities. Drought affects food security, hunger and malnutrition. By 2050, at least 2 billion people are expected to be affected by chronic water scarcity.

**SDG 6**

**ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL**

**TARGET 6.1**

By 2030, achieve universal and equitable access to safe and affordable drinking water for all

**INDICATORS**

**6.1.1 Proportion of population using safely managed drinking water services**

Dark blue indicates countries with high rates of population accessing to safe drinking water.

**LEGEND**

**6.1.1 Proportion of population using safely managed drinking water services**

6.1.1

- > 96% to 100%
- > 81% to 96%
- > 40% to 81%
- <= 40%
- Not Stated

**SDG 6**

**INDICATORS**

By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations.

**6.2.1 Proportion of population using safely managed sanitation services including a hand washing facility with soap and water.**

Dark blue indicates countries with high rates of population using managed sanitation services.

**LEGEND**

**6.2.1 Proportion of population using safely managed sanitation services including a hand washing facility with soap and water**

6.2.1

- > 80% to 100%
- > 60% to 80%
- > 40% to 60%
- <= 40%
- Not Stated

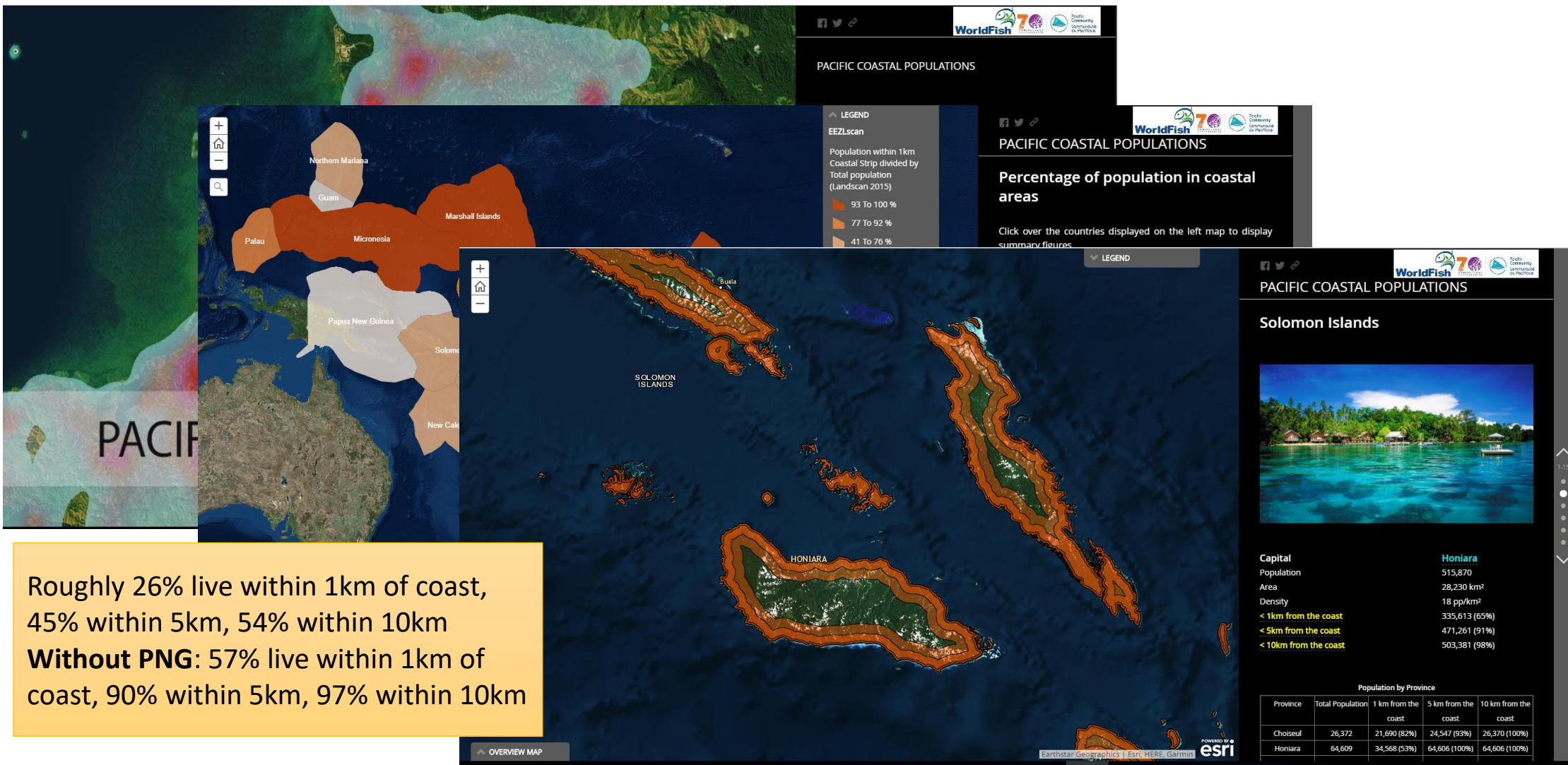


## Census Timeline

--- from planning to dissemination ---



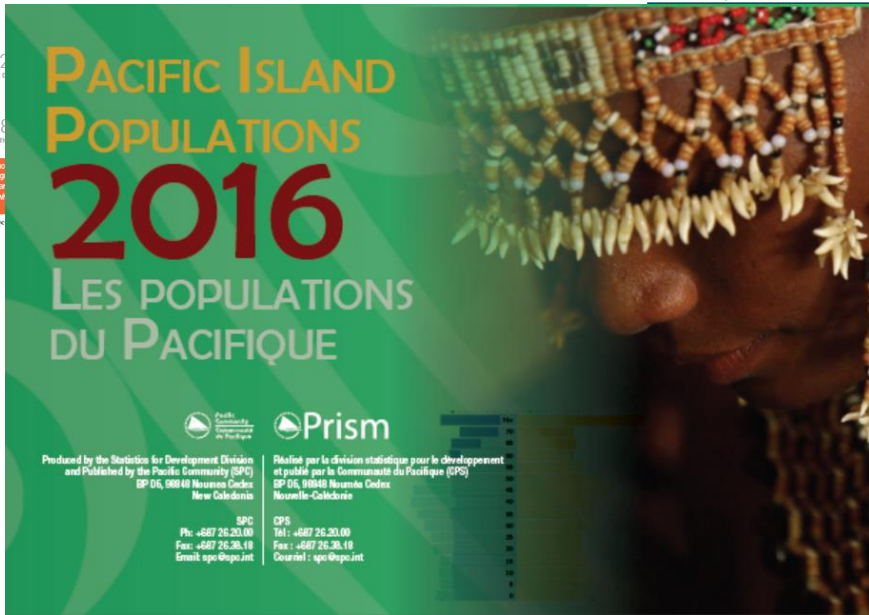
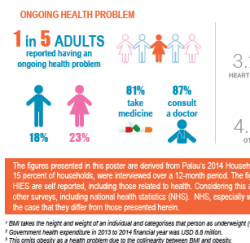
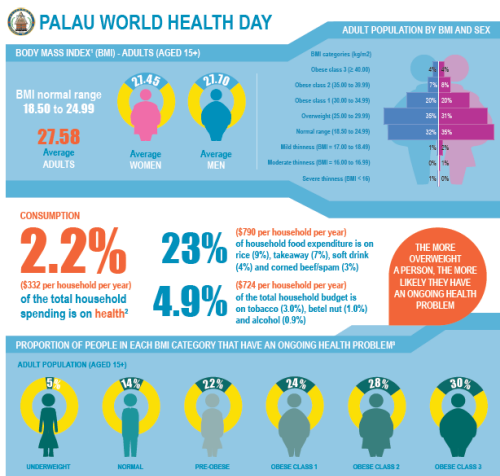
# Coastal Population Mapping



Roughly 26% live within 1km of coast,  
45% within 5km, 54% within 10km  
**Without PNG:** 57% live within 1km of  
coast, 90% within 5km, 97% within 10km

# Factsheets + Infographics

- Produced factsheets for 10 surveys, multiple CRVS applications.
- Ran 10 infographics workshops or gave guest presentations -> how to create simple infographics in MS PowerPoint



## HOUSEHOLD INCOME AND EXPENDITURE PATTERNS SOLOMON ISLANDS

### INTRODUCTION

This brief summarises the results of the Household Income and Expenditure Survey (HIES) that was implemented in Solomon Islands from October 2012 to October 2013. Information on household (HH) income and expenditure patterns is presented at the national level, and then disaggregated by rural and urban, with the objective of providing socioeconomic information to assist with planning and policy development.

### SUMMARY OF RESULTS

- Nationally, average annual HH income is \$57,400\* (median: \$33,100), in rural and urban areas, average HH income is \$45,100 (median: \$29,900) and \$114,800 (median: \$38,800), respectively. There is a large amount of income inequality within and between urban and rural areas of Solomon Islands.
- One-third of rural HH income is derived from subsistence<sup>1</sup>, while almost all urban HH income is cash-based.
- One-quarter of total urban HH expenditure is on food (of this, 60% is generated from subsistence consumption), 9% is on transportation and 9% is on alcohol, tobacco and betel nut.
- More than half of the value of rural HH food consumption is derived from subsistence.

Table 1. Population and median HH income and expenditure by area

	National	Rural	Urban
Population	615,804	501,353	114,451
Persons	108,041	89,026	19,015
Household income (\$B)			
Median annual HH income <sup>1</sup>	\$23,100	\$29,900	\$38,800
Median annual HH cash income <sup>2</sup>	\$14,400	\$12,400	\$52,200
Household expenditure (\$B)			
Median annual HH expenditure <sup>3</sup>	\$39,500	\$35,800	\$73,200

Income is generated from primary activities (subsistence and sale of produce) and almost all HHs generate some income from primary activities (subsistence consumption). Half of national HH expenditure is dedicated to food, 11% to transportation and 10% to alcohol, tobacco and betel nut.

Over half of rural HH income is generated from primary activities and over one-third from wages and salaries and business income. 59% of rural HH expenditure is on food (of this, 60% is generated from subsistence consumption), 9% is on transportation and 9% is on alcohol, tobacco and betel nut.

80% of urban HH income is sourced from wages and salaries (incl. business income) and 4% from property income (rentals).

### POLICY GOALS

It is beyond the scope of this brief to present detailed policy implications, however the following goals are recommended based on HIES results:<sup>4</sup>

- Food security and nutrition:** promote sustainable primary industry development, along with natural resource management and efficient marketing infrastructure, to facilitate rural-to-urban trade. The objective of this policy goal is to increase domestic productivity, to improve rural income and to reduce the incidence and economic burden of non-communicable diseases.
- Health:** increase access to improved drinking water and sanitary facilities and educate HHs about the nutritional benefits of consuming locally produced fruit, vegetables and seafood, and about the adverse health outcomes of betel nut, alcohol and tobacco use. The objective of this policy goal is to reduce the incidence and economic burden of communicable and non-communicable diseases and to boost demand for local produce.
- Rural development:** boost agricultural and fisheries production and develop marketing infrastructure to improve market access and rural-to-urban trade efficiency. The objective of this policy is to sustain rural cash income and employment, to substitute imports and provide urban HHs with an affordable and nutritious consumption base.
- Disaster preparedness:** implement disaster risk management strategies and preparedness initiatives to reduce disaster risk of, among other things, loss of life, shelter, food and income for subsistence-dependent Solomon Island HHs.

\* The policy goals correspond with the objectives of the National Development Strategy (NDS) 1 to 2015 and the United Nations Sustainable Development Goals.

### Further information and reading

This fact sheet was produced by SPC's Statistics for Development Division.

Solomon Islands HIES analytical reports:


<http://www.spc.int/jsp/press-reports>

Regional development indicators:

<http://www.spc.int/rndi>

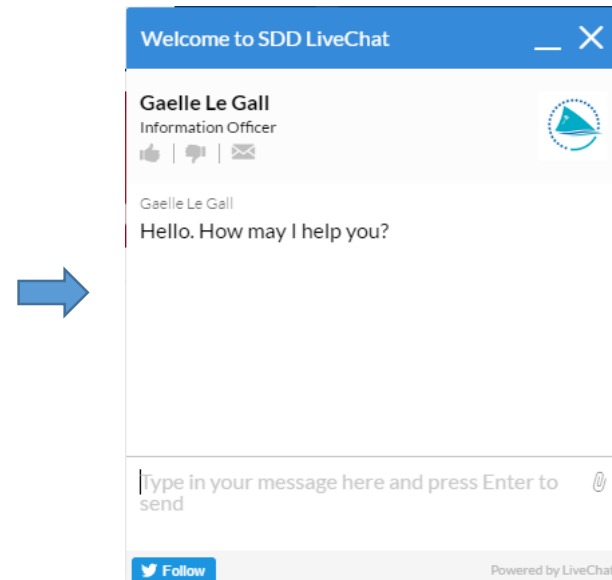
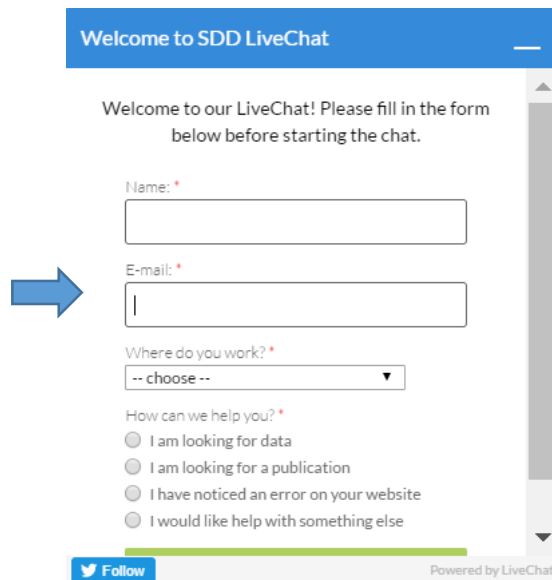
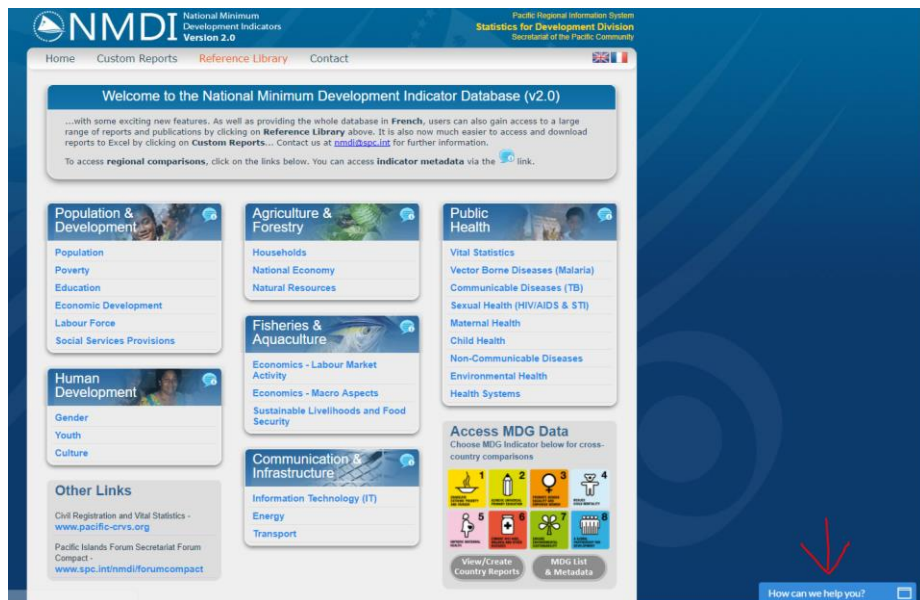


- Started June 2017
- To improve user engagement
- Caters to those who are comfortable with “chatting”
- Can still use contact form

 **89** Users assisted

• **79** Helpdesk tickets

as of 13/11/17





# Social Media

- Steady increase in last few years
- SPC merging all divisional Twitter accounts into SPC main account.
- 1600 (@prismstats) → 12,100 (@spc\_cps): reach of 120,000 people
- Facebook – 9000 followers
- LinkedIn – not currently used



**~25%**

Want notifications via social media

From User Focus Survey



**Pacific-Community-SPC**  
6 hrs ·

95% of people living in #Nauru have a primary reliance on clean fuels and technology: UNESCAP/IEA. @UNESCAP @IEA @nauru\_stats #PRISMStats



Like Comment Share

**Pacific-Community-SPC**  
3 hrs ·

All babies born in #Palau are attended by skilled health personnel: 2015 MDG Report #PRISMStats



Like Comment Share

# Main Challenges

- Poor data quality and delays in releasing results - > hard to produce reliable, timely outputs
- Documentation of surveys is an after-thought
- Few countries are releasing microdata
- Website products and services are not well enough publicised



# Moving Forward

- Key result area 4.2 of 2018-2020 results framework includes following projects:
  - a consolidated SDD website
  - an open data portal
  - a ‘front line’ service to help users find data in a timely manner
  - greater dissemination of micro datasets through the Pacific Data Library
  - a suite of products and services that are fit for purpose.
- SDD will provide a release calendar indicating frequency of updates of indicators
- Better publicity of SDD products and services including maps, infographics and reports
- Close collaboration with development partners to improve dissemination
- **Dissemination strategy/dissemination implementation plan**

*“Without data you’re just  
another person with an  
opinion.”*

*- W. Edwards Deming*