

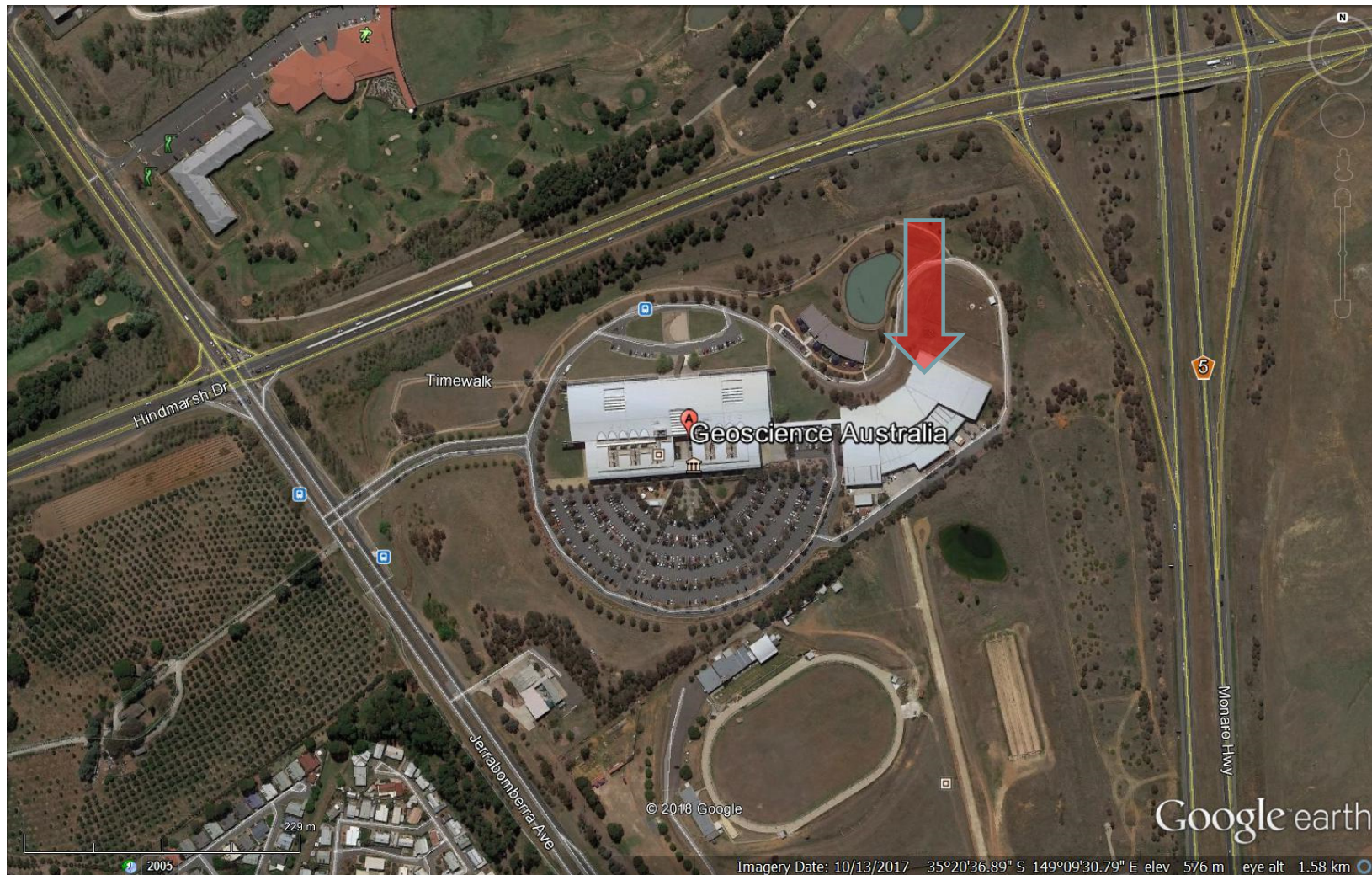
Country Report:

Australia

NDR key parameters



Name of the NDR	Geoscience Australia operating the National Offshore Petroleum Data & Core Repository (NOPDCR)
Type of organisation	National geological and geographical survey
Operating since:	2001 and previously as AGSO 1991 and BMR 1946 & NOPDCR 2013
Employees:	GA 580 NOPDCR 12 NOPTA 60 WA DMIRS NOPDCR 4
Participating agencies:	National Offshore Petroleum Titles Administrator (NOPTA) & GSWA
Supervisors:	Department of Industry, Innovation and Science & WA Department of Mines, Industry Regulation and Safety
Type of data	
Onshore	Yes
Offshore	Yes
License information	No
Production information	No



Objectives



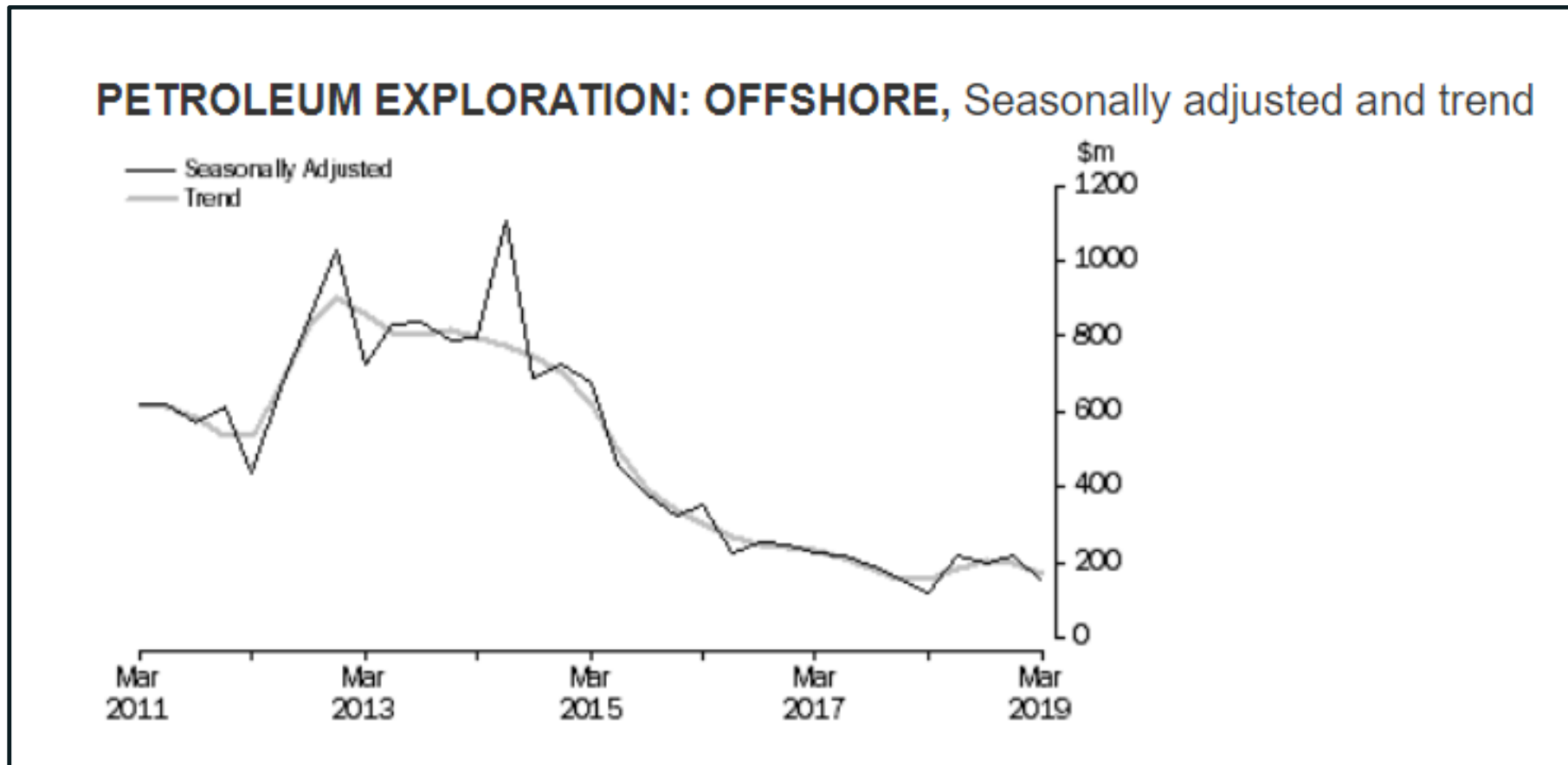
- Operate the National Offshore Petroleum Data & Core Repository or NOPDCR.
- Build and maintain a robust and innovative National Geoscience Repository maximising the potential of our data and collections to address geoscience challenges by providing an outstanding service to benefit our clients; the resources industry, the Government, academia and the general public.
- Maximising Data Potential and Ensuring Supportive Stakeholders.

Challenges



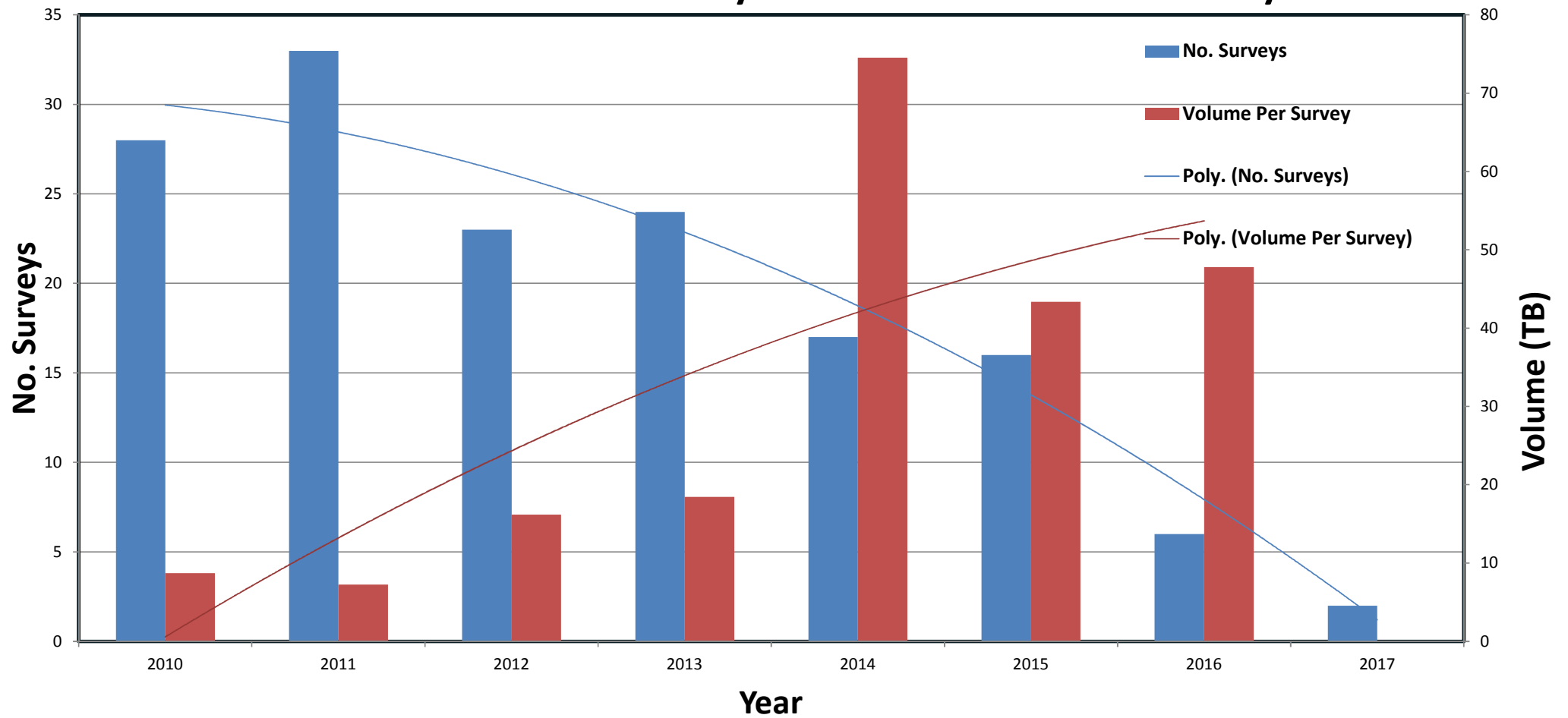
- Industry activity
- Data volumes
- Hardcopy data the analogue to digital data problem
- Cloud provision and providers

Industry Activity



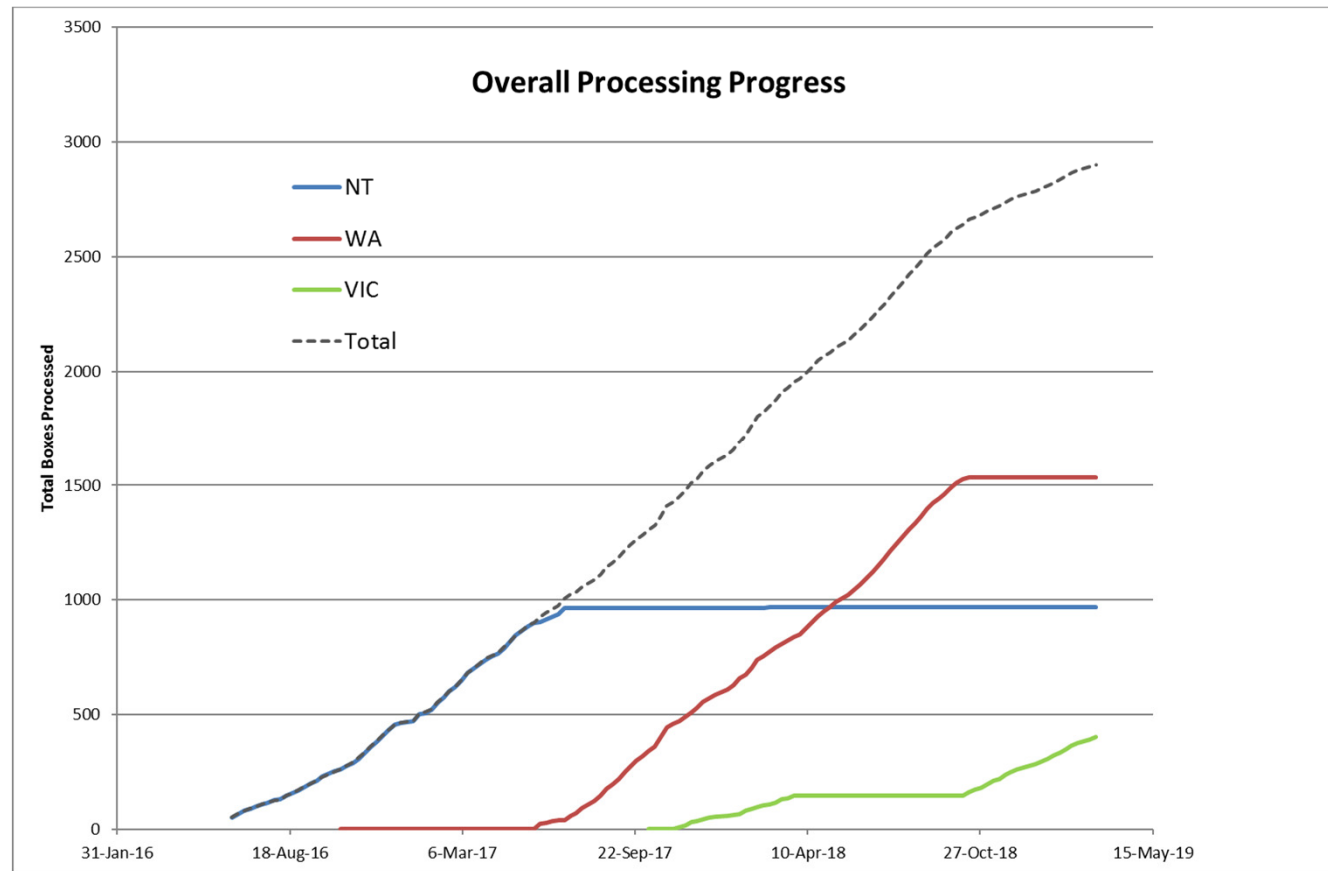
Source: Australian Bureau of Statistics Mineral and Petroleum Exploration, Australia, Mar 2019

Number of Surveys and Data Volume Per Survey





National Offshore Petroleum Data Integration Project



The Cloud Solution?

GA has 70TB on AWS and has 3.5PB on an in-house IBM Robot for 3592 tapes




<https://espresso.economist.com/5f1d3986fae10ed2994d14ecd89892d7>


Successes



- NOPIMS
- Google analytics
- Client self service using NOPIMS

<http://www.ga.gov.au/nopims>

[Releases](#)[Access and Help](#)[Related Information](#)[About Us](#)



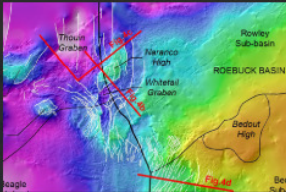
Australian Government
Geoscience Australia
National Offshore Petroleum
Titles Administrator

National Offshore Petroleum Information Management System (NOPIMS)

Welcome to NOPIMS

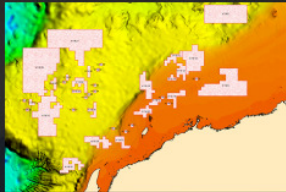
Geoscience Australia has developed the National Offshore Petroleum Information Management System (NOPIMS) as an online data discovery and delivery system for all Australian offshore petroleum wells and survey information.

[Data Access](#)



**Triassic Digital Dataset
now available**
24/09/2019

Updated data package now available for Triassic Horizon Grids, Isochron Grids, and Fault Maps, central North West Shelf.

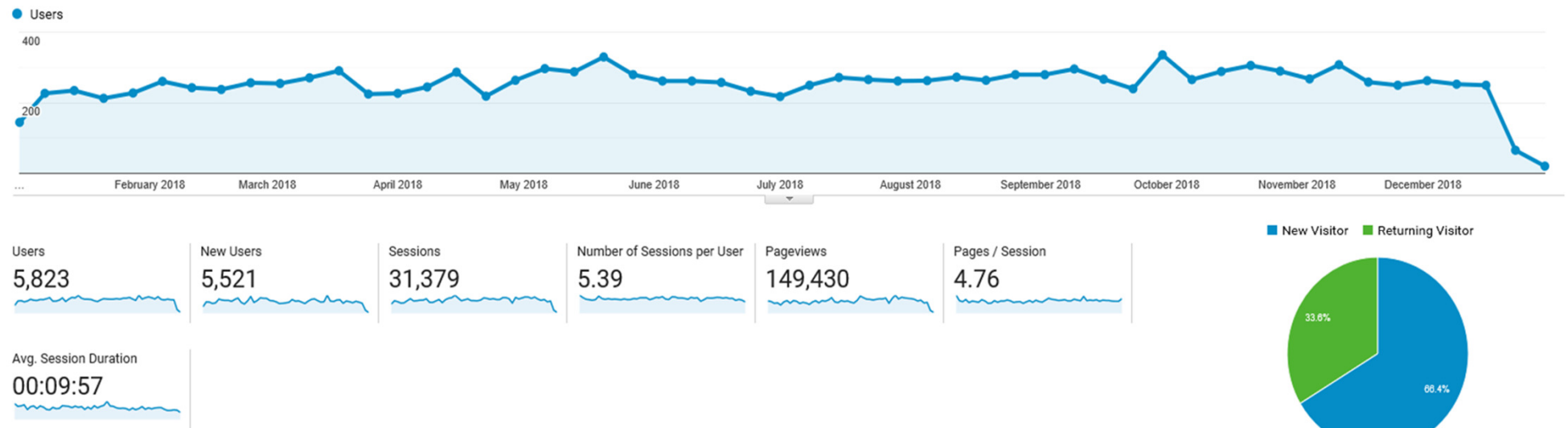


**2019 Offshore Petroleum
Exploration Acreage
Release**
31/07/2019

Bidding is now open for the 2019 Offshore Petroleum Exploration Acreage Release.

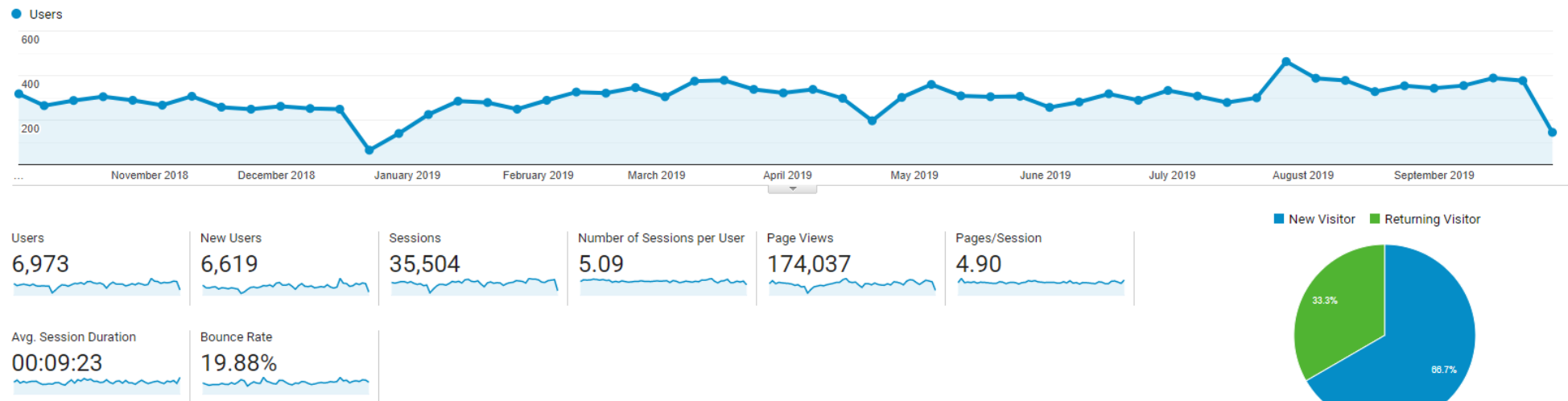
Audience Overview - Total Users

9,081 user logins were recorded visiting the site at an average of 174 per week
5,823 of those user logins were unique
149,430 page views at an average of 409 pages viewed per day
Users spend on average 9 minutes and 57 seconds per session on the site.



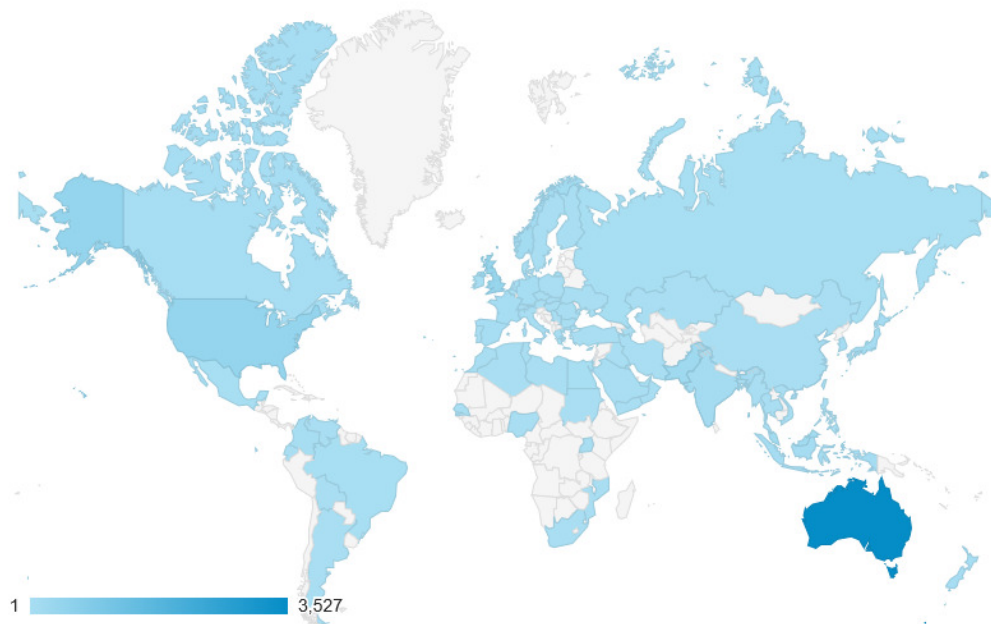
Audience Overview - Total Users last 12 months

9,815 user logins were recorded visiting the site at an average of 189 per week
6,973 of those user logins were unique
174,037 page views at an average of 476 pages viewed per day
Users spend on average 9 minutes and 23 seconds per session on the site.



Audience Overview - Demographics

Australia makes up 59.68% of the audience as expected, within Australia 60% of the traffic comes from W.A.

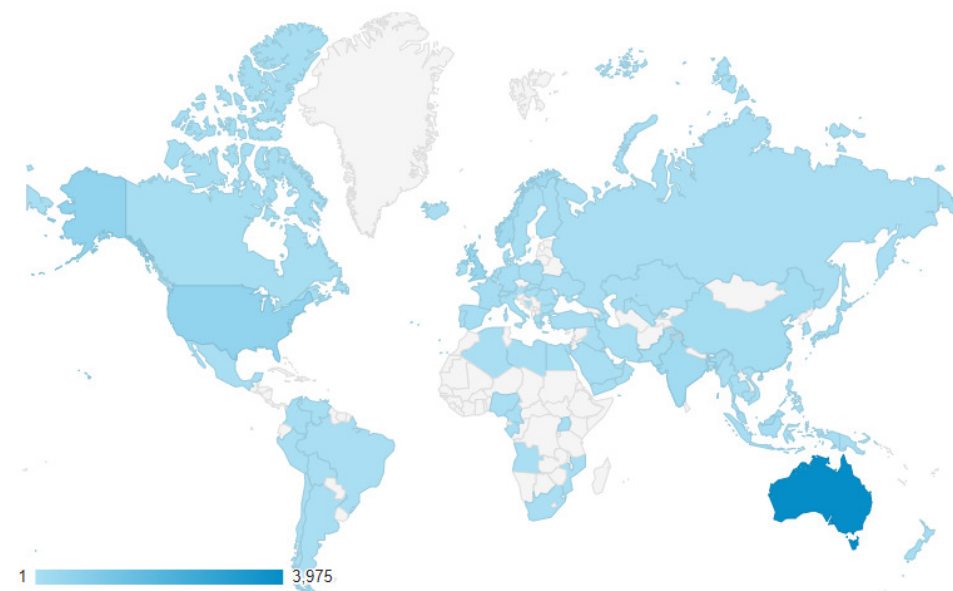


Country ?	Users ? ↓
	5,823 % of Total: 100.00% (5,823)
1. Australia	3,527 (59.68%)
2. United States	423 (7.16%)
3. United Kingdom	377 (6.38%)
4. Pakistan	224 (3.79%)
5. Malaysia	150 (2.54%)
6. Norway	119 (2.01%)
7. India	110 (1.86%)
8. Japan	89 (1.51%)
9. (not set)	79 (1.34%)
10. Singapore	76 (1.29%)
11. Indonesia	67 (1.13%)
12. Colombia	53 (0.90%)
13. France	41 (0.69%)
14. South Korea	41 (0.69%)
15. Canada	39 (0.66%)
16. New Zealand	39 (0.66%)
17. Germany	37 (0.63%)
18. Spain	37 (0.63%)
19. Netherlands	33 (0.56%)
20. China	32 (0.54%)

Region ?	Users ? ↓
	3,527 % of Total: 60.57% (5,823)
1. Western Australia	2,184 (60.18%)
2. Victoria	379 (10.44%)
3. New South Wales	341 (9.40%)
4. Australian Capital Territory	301 (8.29%)
5. South Australia	239 (6.59%)
6. Queensland	156 (4.30%)
7. Tasmania	15 (0.41%)
8. Northern Territory	13 (0.36%)
9. (not set)	1 (0.03%)

Audience Overview – Demographics last 12 months

Australia makes up 55% of the audience as expected, within Australia 57% of the traffic comes from Western Australia.



Country ?	Users ? ↓
	6,973 % of Total: 100.00% (6,973)
1. Australia	3,975 (55.32%)
2. United States	586 (8.15%)
3. United Kingdom	456 (6.35%)
4. Japan	217 (3.02%)
5. India	214 (2.98%)
6. Malaysia	203 (2.82%)
7. Norway	199 (2.77%)
8. China	149 (2.07%)
9. Singapore	136 (1.89%)
10. France	108 (1.50%)

Audience Overview - Technology

- 98.99% of users are using the 5 major browsers that we targeted when developing the website.
- 91%+ * of users are using the default English language as their language setting. (Actual number is much higher as there are many variants of English language pack such as “en-nz”)
- 91.9% of users view NOPIMS via a Desktop PC or laptop.

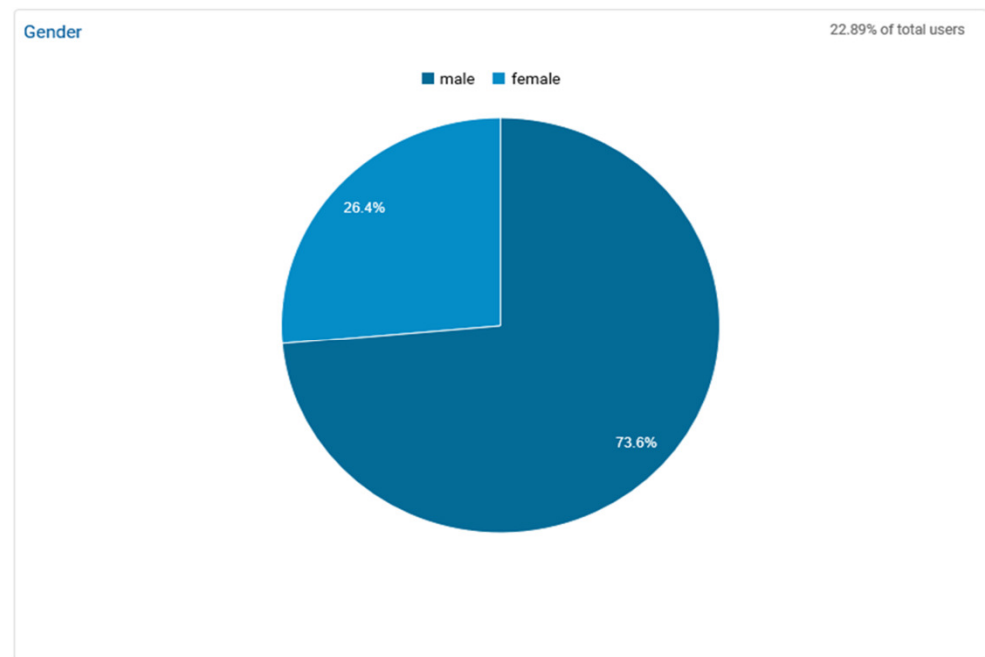
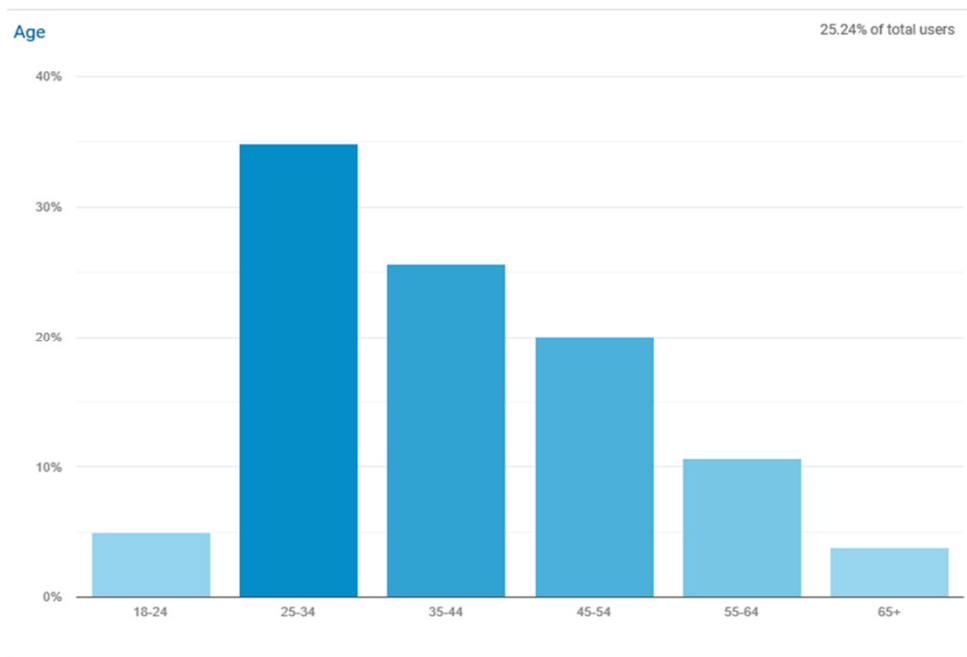
Browser	Users	% Users
1. Chrome	2,753	47.25%
2. Internet Explorer	2,014	34.57%
3. Firefox	458	7.86%
4. Edge	291	4.99%
5. Safari	239	4.10%
6. Opera	43	0.74%
7. Safari (in-app)	13	0.22%
8. Samsung Internet	8	0.14%
9. Android Webview	5	0.09%
10. UC Browser	1	0.02%

Language	Users	% Users
1. en-us	2,611	44.53%
2. en-au	1,893	32.29%
3. en-gb	796	13.58%
4. es-es	56	0.96%
5. ja-jp	54	0.92%
6. nb-no	42	0.72%
7. zh-cn	42	0.72%
8. it-it	36	0.61%
9. ko-kr	33	0.56%
10. ja	28	0.48%

Device Category	Users ?
	5,823 % of Total: 100.00% (5,823)
1. desktop	5,378 (91.90%)
2. tablet	302 (5.16%)
3. mobile	172 (2.94%)

Audience Overview – Age & Gender

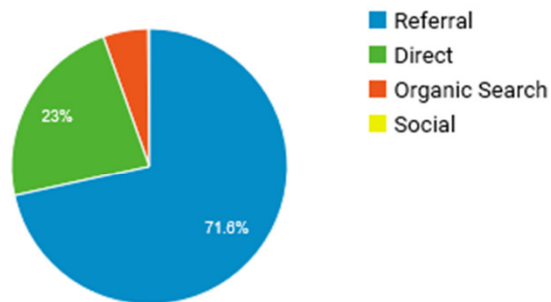
- 9,081 user logins were recorded visiting the site at an average of 174 per week
- 5,823 of those user logins were unique
- Age 60% of audience is 25 to 44
- Female 26% male 74%



Audience Overview – Acquisition (how they get there)

- 71.6% of users visited from a referral website. (e.g.: www.ga.gov.au)
- 23% of users visited via a direct link (e.g.: A bookmark or entering the link into a browser)
- 5.3% of users visited via an organic search. (Not clear as labelled undefined)
- < 1% of users visited via Social Media (Facebook)

Top Channels



Acquisition			
	Users ↓	New Users ↓	Sessions ↓
	5,823	5,521	31,379
1 ■ Referral	4,487	<div><div></div></div>	
2 ■ Direct	1,443	<div><div></div></div>	
3 ■ Organic Search	330	<div><div></div></div>	
4 ■ Social	11	<div><div></div></div>	

Audience Overview – Referrals (how they get there)

- 91.38% of users were directed from the GA website showing that most people were visiting there first.
- Appears to be several links to the website from other government departments and organisations as well but only make up a small number overall.

<input type="checkbox"/>	Source ?	Acquisition
		Users ? ↓
		4,496 % of Total: 77.21% (5,823)
<input type="checkbox"/>	1. ga.gov.au	4,186 (91.38%)
<input type="checkbox"/>	2. opendtect.org	174 (3.80%)
<input type="checkbox"/>	3. petroleum-acreage.gov.au	69 (1.51%)
<input type="checkbox"/>	4. github.com	24 (0.52%)
<input type="checkbox"/>	5. terranubis.com	21 (0.46%)
<input type="checkbox"/>	6. napalm.internal.dom	18 (0.39%)
<input type="checkbox"/>	7. nopimsmaps.dmp.wa.gov.au	17 (0.37%)
<input type="checkbox"/>	8. l.facebook.com	10 (0.22%)
<input type="checkbox"/>	9. 2017-petroleumacreage.industry.slicedtech.com.au	9 (0.20%)
<input type="checkbox"/>	10. ssmadtcweb157.rm.gr.repsolypf.com	8 (0.17%)

Audience Behaviour

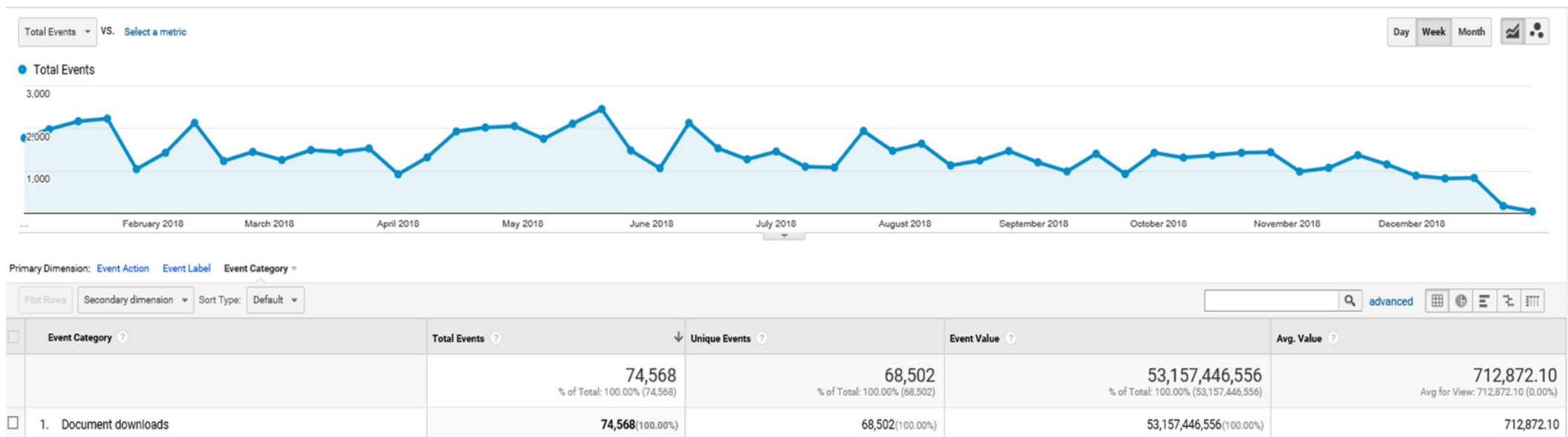
- Wells makes up approx. 43% of page visits
- Surveys makes up approx. 23% of page visits.
- GIS Map makes up approx. 4.5% of page visits.

<input type="checkbox"/>	Page ?	Pageviews ?	↓
		149,430	% of Total: 100.00% (149,430)
<input type="checkbox"/>	1. /Nopims/Search/Wells	35,703	(23.89%)
<input type="checkbox"/>	2. /Nopims/Search/WellDetails	29,723	(19.89%)
<input type="checkbox"/>	3. /nopims	20,228	(13.54%)
<input type="checkbox"/>	4. /Nopims/Search/Surveys	17,720	(11.86%)
<input type="checkbox"/>	5. /Nopims/Search/SurveyDetails	17,143	(11.47%)
<input type="checkbox"/>	6. /Nopims/	9,857	(6.60%)
<input type="checkbox"/>	7. /Nopims/GISMap/Map	6,865	(4.59%)
<input type="checkbox"/>	8. /Nopims/Search/Reprocessing	1,284	(0.86%)
<input type="checkbox"/>	9. /Nopims/Search/Basket	918	(0.61%)
<input type="checkbox"/>	10. /Nopims/Search/ReprocessingDetails	668	(0.45%)

Document Downloads

74,568 documents were downloaded from NOPIMS

53.1 Gigabytes* of files were downloaded (* This number is taken from the database once a file is clicked)



Which Documents are Downloaded

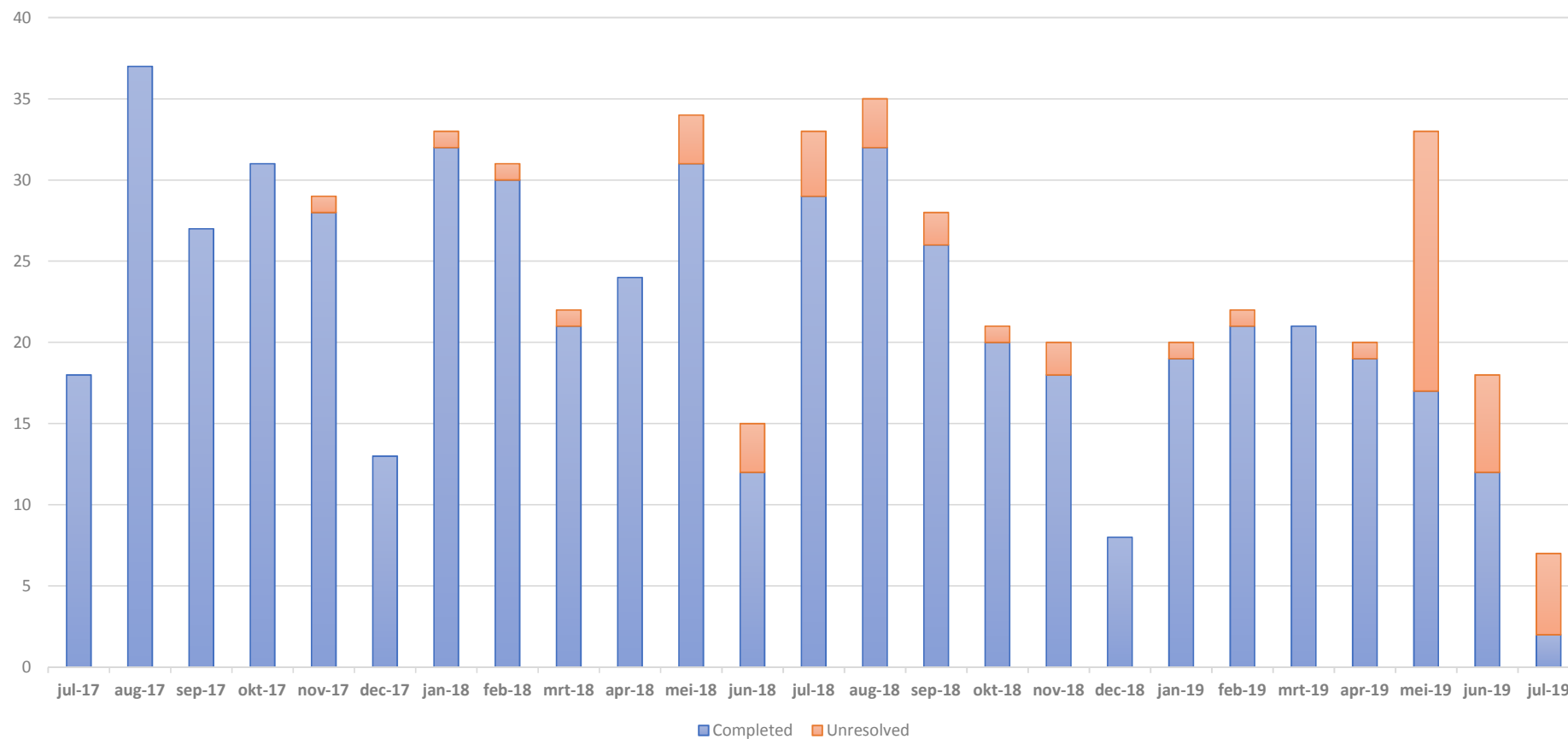
Statistics can be run to show which documents were downloaded the most

<input type="checkbox"/>	Event Label ?	Total Events ?
		74,568 % of Total: 100.00% (74,568)
<input type="checkbox"/>	1. https://dnxxuw8tglo.cloudfront.net/Wells/P00707269.zip	105 (0.14%)
<input type="checkbox"/>	2. https://dnxxuw8tglo.cloudfront.net/Wells/D00016054.zip	75 (0.10%)
<input type="checkbox"/>	3. https://dnxxuw8tglo.cloudfront.net/Wells/P00701433.zip	75 (0.10%)
<input type="checkbox"/>	4. https://dnxxuw8tglo.cloudfront.net/Wells/D00016837.zip	72 (0.10%)
<input type="checkbox"/>	5. https://dnxxuw8tglo.cloudfront.net/Wells/P00676998.zip	72 (0.10%)
<input type="checkbox"/>	6. https://dnxxuw8tglo.cloudfront.net/Wells/P00702037.zip	60 (0.08%)
<input type="checkbox"/>	7. https://dnxxuw8tglo.cloudfront.net/Wells/I00025692.zip	57 (0.08%)
<input type="checkbox"/>	8. https://dnxxuw8tglo.cloudfront.net/Wells/D00016657.zip	53 (0.07%)
<input type="checkbox"/>	9. https://dnxxuw8tglo.cloudfront.net/Wells/D00017149.zip	53 (0.07%)
<input type="checkbox"/>	10. https://dnxxuw8tglo.cloudfront.net/Wells/D00016783.zip	49 (0.07%)

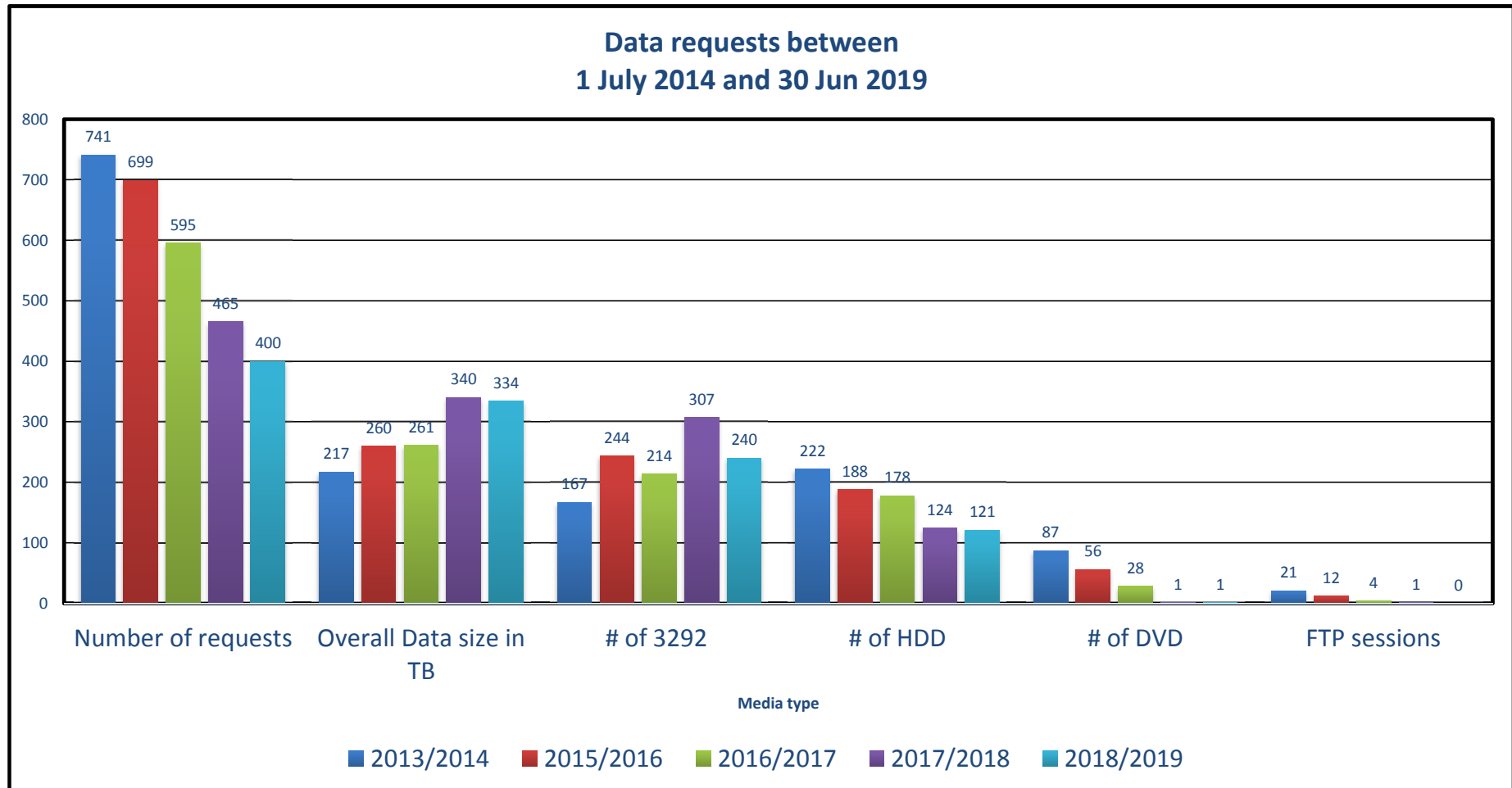
<input type="checkbox"/>	Event Action ?	Total Events ?
		74,568 % of Total: 100.00% (74,568)
<input type="checkbox"/>	1. Well Reports - Phoenix South 1	305 (0.41%)
<input type="checkbox"/>	2. Well Reports - Phoenix 2	299 (0.40%)
<input type="checkbox"/>	3. Well Reports - Skippy Rock 1	288 (0.39%)
<input type="checkbox"/>	4. Well Reports - Echuca Shoals 1	284 (0.38%)
<input type="checkbox"/>	5. Well Reports - Roc 1	272 (0.36%)
<input type="checkbox"/>	6. Well Reports - Scarborough 2	257 (0.34%)
<input type="checkbox"/>	7. Well Reports - Phoenix 1	244 (0.33%)
<input type="checkbox"/>	8. Well Reports - Anemone 1	193 (0.26%)
<input type="checkbox"/>	9. Well Reports - Crux 1	185 (0.25%)
<input type="checkbox"/>	10. Well Reports - Archer 1	184 (0.25%)

Bespoken requests for data, human to human

Repository Client Services

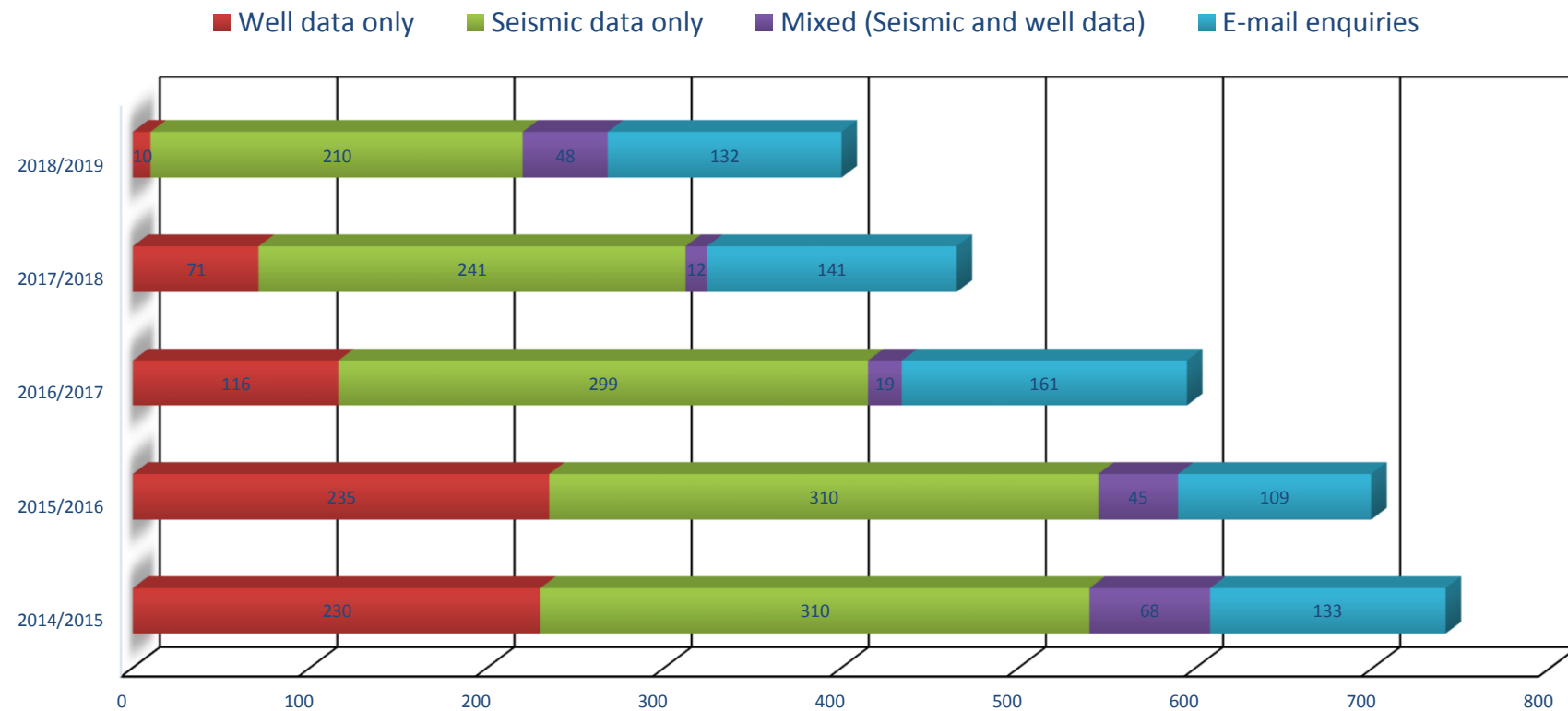


Requests for data, number and media



Client Requests for data types

Requests and email enquiries by financial years
from 2014 to 2019

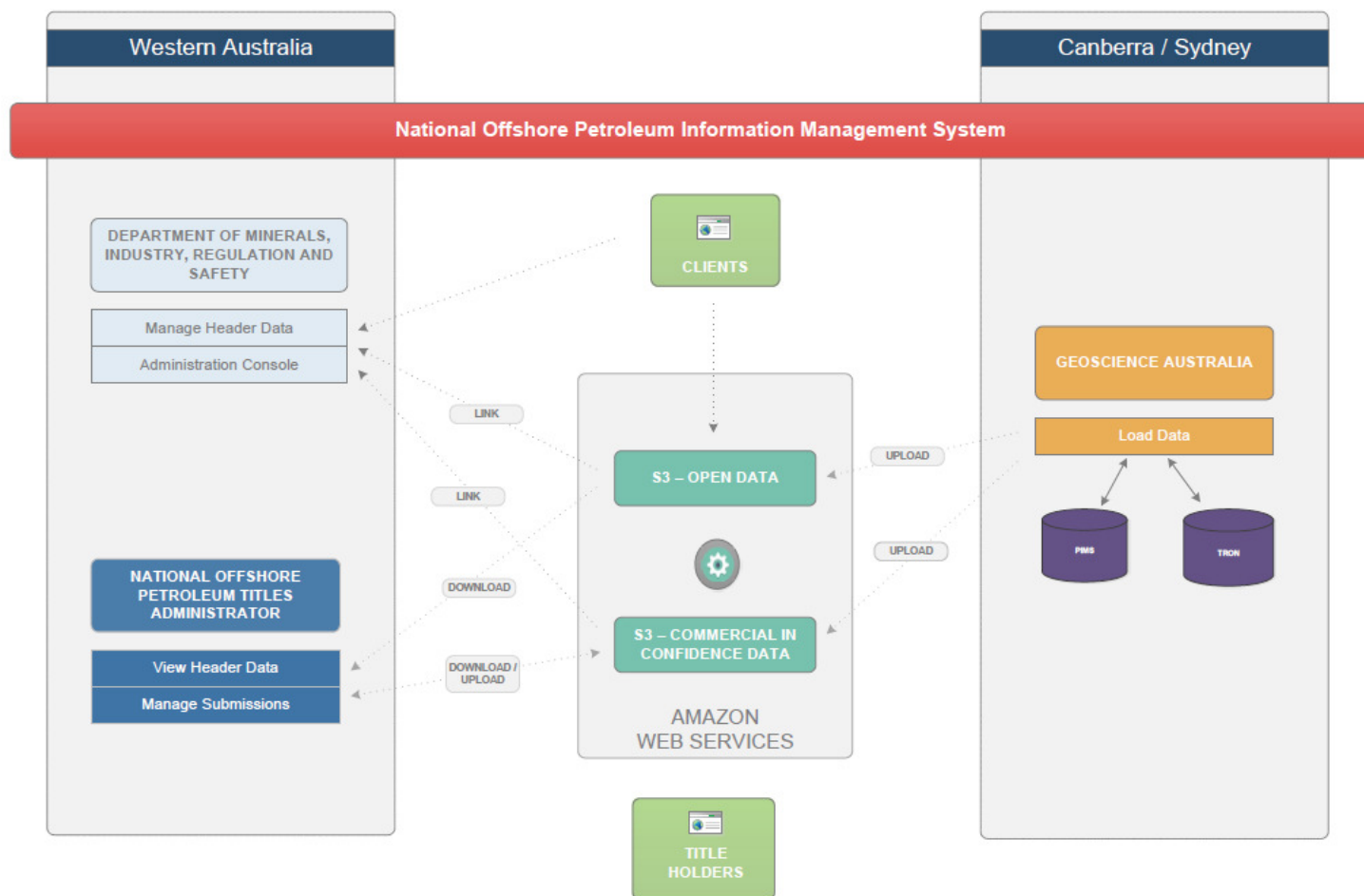


Future Plans



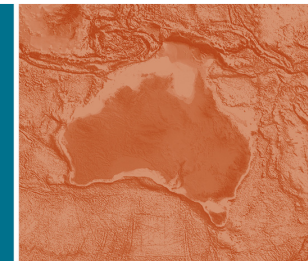
- Online submission with transfer of ownership and custodianship in one cloud(s)

NOPIMS Open and Confidential Data





Australian Government
Geoscience Australia



Repository web page and generic email addresses for requests

Web page

<http://www.ga.gov.au/about/projects/resources/petroleum-data-repository>

Enquiries

To request digital data for wells and surveys from repository holdings please contact ausgeodata@ga.gov.au

To request to view and sample physical assets such as core, cuttings and fluids please contact ausgeosamples@ga.gov.au

Phone: +61 2 6249 9111

Web: www.ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601