

# APNIC EC Meeting Minutes

## Face-to-Face meeting, Brisbane, Australia

Thursday, 26 May 2022, 10:09 – 16:00 (UTC +10)

Friday, 27 May 2022, 10:08 – 16:09 (UTC +10)

**Meeting started at 10:09 (UTC +10), Thursday, 26 May 2022**

### Present

Gaurab Raj Upadhaya, EC Chair  
Kenny Huang, Treasurer (remote)  
Vincent Achie Atienza, Secretary (remote)  
Kam Sze Yeung, EC member  
Sumon Ahmed Sabir, EC member  
Yoshinobu Matsuzaki, EC member  
Feng Leng, EC member (remote)  
Paul Wilson, Director General

Connie Chan, Strategic Executive Assistant (minutes)  
Craig Ng, General Counsel  
Nathan Harvey, Finance Director  
Jeremy Harrison, Senior Legal Counsel  
Anton Strydom, Product Development Director  
Che-Hoo Cheng, Infrastructure and Development Director  
Duncan Macintosh, CEO, APNIC Foundation  
Karla Skarda, Services Director  
Louise Tromp, People and Productivity Director  
Pablo Hinojosa, Strategic Engagement Director  
Sanjaya, Director of Information Management  
Tony Smith, Communications Director

### Apologies

Nil

### Agenda

1. Opening of meeting and declaration of quorum
2. Agenda bashing
3. Declaration of interests
4. Review of minutes of last meeting and record of circular resolutions passed since the last meeting
5. Matters arising from the last meeting
6. EC Chair update
7. WH&S update
8. Financial reports
9. HR report
10. APNIC fee schedule discussion
11. Service partner discussion
12. Secretariat report
13. APNIC Survey update
14. APNIC office update
15. APNIC Foundation Annual Report and update
16. APIDT update
17. Conference update

18. APNIC 54 election procedures
  19. Risk register
  20. Any other business
  21. Closing the meeting
  22. Next meeting
- 

## Minutes

### 1. Opening of meeting and declaration of quorum

The Chair of the Executive Council (EC Chair) welcomed all attendees to the meeting. The EC Chair declared the meeting open at 10:09 (UTC +10) on Thursday, 26 May 2022, and noted that a quorum was present. He thanked the Director General and the team for their extraordinary effort over the past two difficult years.

The EC Chair has designated Kam Sze Yeung as the Chair of this meeting (Meeting Chair) and handed over the chairing of the meeting to him.

### 2. Agenda bashing

The Meeting Chair called for comments on the agenda.

It was agreed to add the potential structure and governance discussions to the agenda.

### 3. Declaration of interests

The Meeting Chair asked the EC members to review the Register of Interests (attached), declare any potential conflicts of interests, and for any such declaration to be recorded in the minutes.

Vincent Achie Atienza advised that he had updated his declaration.

All other EC members present confirmed their entries in the Register of Interests were complete and correct.

### 4. Review of minutes of last meeting and record of circular resolutions passed since the last meeting

The following circular resolutions (that require the agreement of all EC members who are entitled to vote on the resolution) were passed by the EC during the period between the last EC meeting and this meeting and are recorded in these minutes for completeness.

**Resolution 2022-08: The EC resolved to adopt the minutes of the EC meeting of 21 February and 3 March 2022.**

**Resolution 2022-09: The EC resolved to accept the Auditor's Report for the year ended 31 December 2021 (as attached).**

**Resolution 2022-10: The EC resolved to endorse the adoption of the following policy proposals:**

**Prop-142: Unify Transfer Policies Text**

**Prop-143: ASN to Customer**  
**Prop-144: Reserve pool under Experimental Allocation Policy**

## **5. Matters arising from the last meeting**

The following matters from the previous meetings were completed:

*Action item 2022-04: The Secretariat to reschedule the AGM briefing. (completed)*

*Action item 2022-05: The Secretariat to schedule a private meeting for the EC to complete the DG's remuneration review. (completed)*

The following matters from the previous meetings were pending:

[Confidential information redacted]

*Action item 2022-02: The Secretariat to consider possible locations for APNIC 54 for EC consideration. (See agenda item 17)*

[Confidential information redacted]

*Action item 2022-06: The Secretariat to circulate the revised fee schedules to the EC for approval. (See agenda item 10)*

## **6. EC Chair update**

The EC Chair reported on the activities over the last few months and his exchanges with other RIR Boards about AFRINIC.

He noted that as international travel resumed, he encouraged the EC members to review the travel planner and start travel planning for the second half of the year.

## **7. WH&S update**

Kam Sze Yeung spoke to the Workplace Health and Safety quarterly update.

## **8. Financial reports**

Irene Chan joined the meeting for this agenda item.

Nathan Harvey spoke to the financial report presentation (attached).

The EC considered the monthly financial report and the investment report for April 2022 (attached). The EC noted that APNIC is solvent and able to meet all current debts.

The April financial report highlights an operating surplus of AUD 1.37M and a net deficit of AUD 1.15M year to date, with full year forecast revenue tracking at 2% under the budget and full year forecast expenses tracking very close to the budget. At the end of April 2022, APNIC had a total of 8,863 Members serving 53 economies.

There was some discussion about the investment portfolio and market volatility. There was a suggestion for Credit Suisse to undertake a review of the investment risk profiling to ensure that the APNIC EC's risk appetite was aligned with the portfolio positioning.

*[Irene Chan left the meeting at 10:58 (UTC +10)]*

*Action item 2022-07: The Secretariat to liaise with Credit Suisse to conduct a review of APNIC's investment risk assessment.*

## **9. HR report**

Louise Tromp spoke to the HR report presentation.

## **10. APNIC fee structure**

Karla Skarda spoke to the APNIC fee structure presentation related to the HRM fee changes.

The EC discussed the HRM fee changes at length and supported the proposed improvements to the fee schedules.

*Action item 2022-08: The Secretariat to proceed with the improvements and finalise the updated fee schedule before APNIC 54 for community consultation.*

## **11. Service partner discussion**

Karla Skarda spoke to the Service Partner update presentation.

The EC discussed revamping the service partner model at length, and supported the planned approach to make some structural changes to the program. The EC instructed the Secretariat to take the EC feedback into account when finalizing the proposal.

*Action item 2022-09: The Secretariat to put forward a proposal to revamp the Service Partner program for the EC's consideration.*

It was also noted that the NIR agreement was due for a review to incorporate provisions to deal with RPKI.

*Action item 2022-10: APNIC Legal to review the NIR agreement to incorporate RPKI provisions.*

***Meeting adjourned at 12:35 (UTC +10), Thursday, 26 May 2022***

***Meeting resumed at 13:35 (UTC +10), Thursday, 26 May 2022***

## **12. Secretariat Report**

The Director General spoke to the Secretariat Report (attached).

The EC discussed several items in the Secretariat Report at length.

## **13. APNIC Survey update**

Brenda Mainland from Survey Matters joined the meeting for this agenda item.

Brenda Mainland spoke to the survey progress update (attached). The EC discussed the key findings from the qualitative interviews, and noted some of the issues that were brought up in the process.

The 2022 APNIC Survey is due to be launched on 13 June 2022.

*[Brenda Mainland left the meeting at 15:02 (UTC +10)]*

**Meeting adjourned at 15:02 (UTC +10), Thursday, 26 May 2022**

**Meeting resumed at 15:15 (UTC +10), Thursday, 26 May 2022**

#### **14. APNIC office update**

Justin O'Neill and Andrew Kimmins from O'Neill Architecture joined the meeting for this agenda item.

Justin O'Neill spoke to the proposed conceptual design presentation. It was noted that the entire process of the design and build would be about three years.

The EC noted various aspects of the design, and would conduct a site visit this afternoon.

*[Justin O'Neill and Andrew Kimmins left the meeting at 16:00 (UTC +10)]*

**Meeting adjourned at 16:00 (UTC +10), Thursday, 26 May 2022**

**Meeting resumed at 10:08 (UTC +10), Friday, 27 May 2022**

#### **15. APNIC Foundation Annual Report and update**

Duncan Macintosh spoke to the APNIC Foundation update presentation (attached).

The EC considered some candidates for Foundation Board positions. The EC noted that the Foundation Board should be consulted on potential new Board members. The EC agreed to defer consideration of the resolution until after the Foundation Board had been consulted.

The EC also discussed advertising for Board positions in the future.

***Action item 2022-11: Duncan Macintosh to seek the advice of the Foundation Board on potential new Board members.***

#### **16. APIDT update**

Richard Brown joined the meeting for this agenda item.

Richard Brown spoke to the APIDT update presentation (attached).

*[Richard Brown left the meeting at 11:08 (UTC +10)]*

#### **17. Conference update**

Tony Smith updated the EC on the preparations for APNIC 54 (attached).

#### **18. APNIC 54 election procedures**

Jeremy Harrison spoke to the election procedures at APNIC 54 (attached).

**Resolution 2022-11: The EC resolved to appoint Connie Chan and Andre Gelderblom of the APNIC Secretariat as Election Officers for the NRO NC**

**election, Sunny Chendi of the APNIC Secretariat as Election Officer for the SIG Chairs election, and endorse the APNIC 54 NRO NC and SIG Chairs election procedures, as set out in the document presented to the EC.**

Motion proposed by Sumon Ahmed Sabir; seconded by Kam Sze Yeung. Passed unanimously.

The EC considered a couple of candidates for the role of the Election Chair. The Director General would approach the preferred candidate and seek her agreement to the proposed appointment before the resolution was passed.

[Confidential information redacted]

## **19. Risk register**

Nathan Harvey spoke to the risk register presentation.

The EC noted the risk management updates, and provided some comments on the current risk register. The EC supported a closer linkage between the activity plan and risk management and mitigation.

Nathan Harvey discussed the changes and developments to be made to the risk review processes.

## **20. Any other business**

The Meeting Chair called for any other business.

### **a. AFRINIC**

The EC discussed the recent legal matters related to AFRINIC.

### **b. Structure and governance**

Jeremy Harrison presented the draft structure diagram for the EC's consideration.

The EC discussed and provided in-principle support for the changes. APNIC Legal would present the detailed proposal for EC approval at the next meeting.

*Action item 2022-13: APNIC Legal to develop a detailed proposal on the governance structure.*

c. [Confidential information redacted]

### **d. NRO EC meeting in Miami**

The Director General reported on the outcome of the NRO strategic planning process that was held in Dubai in February 2022. The three priority areas for the NRO identified were RPKI, Security and Governmental relations. The NRO EC would further work on the scope and structure of the programs at the next planning meeting in June in Miami.

### **e. Foundation Board and EC meeting**

The Foundation Board meeting has been scheduled for Friday, 16 September 2022 in Singapore.

The EC proposed to meet with the Foundation Board, over a dinner, on Friday, 16 September 2022.

*Action item 2022-14: Duncan Macintosh to invite the Foundation Board to the APNIC 54 Closing Social on 15 September 2022, and the joint board dinner on 16 September 2022.*

## **21. Closing the meeting**

Kam Sze Yeung handed the Chair duties back to the EC Chair. From this point, Gaurab Raj Upadhaya chaired the meeting.

The Chair thanked everyone for their contribution to the meeting.

## **22. Next meeting**

The Chair proposed to host the final meeting in December in Kathmandu.

The next EC meeting is tentatively scheduled for Sunday, 11 September 2022 in Singapore.

***Meeting closed at 16:09 (UTC +10), Friday, 27 May 2022***

### **Attachments:**

- A. Register of interest**
- B. [Confidential information redacted]**
- C. April 2022 financial report presentation**
- D. April 2022 monthly financial report**
- E. April 2022 Credit Suisse investment report**
- F. April 2022 Credit Suisse commentary**
- G. [Confidential information redacted]**
- H. [Confidential information redacted]**
- I. [Confidential information redacted]**
- J. [Confidential information redacted]**
- K. [Confidential information redacted]**
- L. [Confidential information redacted]**
- M. Secretariat report and presentation**
- N. Survey update presentation**
- O. [Confidential information redacted]**
- P. APNIC Foundation Annual Report presentation**
- Q. [Confidential material redacted]**
- R. APIDT update presentation**
- S. APNIC 54 update presentation**
- T. APNIC 54 election procedures presentation**
- U. [Confidential information redacted]**

# Agenda Item 3

## Declaration of Interests



## APNIC EC Register of Interests

### Declaration of interests of EC members

This register records the interests of EC members, which may conflict with the EC members' duties to APNIC. This register is accurate as at **20 May 2022**.

Gaurab Raj Upadhaya declared that he currently holds the following positions:

- Employee of Amazon as Head of Global Video Delivery, Prime Video
- Founder of the Nepal Research and Education Network (NREN)
- Chairman of Nepal Internet Exchange (NPIX)
- Standing member of the Program Committee of SANOG
- Board Member of Internet Foundation Nepal

Kam Sze Yeung declared that he currently holds the following positions:

- Member of the HKNOG Program Committee
- Employee of Akamai Technologies, Inc
- Member of the Working Group of Peering Asia
- Member of the TWNOG Multi-stakeholder Steering Group (MSG)
- Member of the SGNORG Organising Committee

Kenny Huang declared that he currently holds the following positions:

- Managing Director and CEO of TWNIC
- Member of the Advisory Council of DotAsia Organization
- Chair of NIIEPA
- Chair of ICANN ccPDP4 WG
- Co-Chair of ICANN CGP
- Board of Director of TWIA
- Board of Director of TWIGF

Yoshinobu Matsuzaki declared that he currently holds the following positions:

- Employee of Internet Initiative Japan Inc. (IIJ) as a Senior Engineer
- Board of Director of JPNIC
- Board of Director of APNOG/APIA
- Member of JANOG Committee
- Technical Advisor of JPCERT/CC
- Contact person at IIJ Europe (RIPE member) for RIPE
- TAC (Technical Advisory Council) of Team Cymru, Inc.

Feng Leng declared that he currently holds the following position:

- Employee of CNNIC as Director of Operation Management Department

Vincent Achie Atienza declared that he currently holds the following positions:

- Employee of Globe Telecom (Peering, Interconnection & Strategy - IP Ecosystem)

- Chair of the Philippine Network Operators Group (PhNOG)
- Member, Board of Trustee, Internet Society Philippines (ISOC-Ph)
- Member of Ph Technical working group for IPv6, DNSSEC, RPKI
- Member (Ph Representative) - APIX - Asia Pacific Internet Exchange Association)
- Member/Evangelist - Philippine Open Internet eXchange (PhOpenIX)
- Member of the Program Committee of APRICOT
- Program Committee Member - Asia Peering Forum (Equinix) 2022
- Program Committee co-initiator, ISOC-PhNOG initiatives 2022
- ISIF Selection Committee Member

Sumon Ahmed Sabir declared that he currently holds the following positions:

- CTO, Fiber@Home Limited
- Technical Advisor, Fiber@Global Limited
- Advisor, Felicity IDC Limited
- Sponsor of BDCOM Online Limited
- Member, Board of Trustee, BDIX
- Member, Board of Trustee, BDNOG
- Member, Corecom, SANOG
- Member, Board of Trustee, ISOC, Bangladesh, Dhaka Chapter

Paul Wilson declared that he currently holds the following position:

- Director of APIDTT Pty Ltd (trustee for the Asia Pacific Internet Development Trust)
- Director of APIDT Infrastructure Pty Ltd

# Agenda Item 8

## Financial reports

# January – April 2022 Finance Presentation

May EC 2022

*All dollar values are denoted in Australian dollars (unless otherwise stated)*

January 2022 – April 2022

# FINANCE REPORT

# January – April Highlights

## TOTAL REVENUE (2022 YTD)

\$9,518,102

\$10,843,330

▼ -12.22%

## OPERATING EXPENSE (2022 YTD)

\$8,142,646

\$10,480,405

▼ -22.31%

## OPERATING SURPLUS (2022 YTD)

\$1,375,456

\$362,924

▲ 278.99%

## TOTAL EQUITY

\$37,690,616

\$38,845,560

▼ -2.97%

## FINANCIAL PERFORMANCE

- ▶ Membership revenue of \$8.2m in line with budget YTD
- ▶ Sign-up and transfer fees are 23% - 32% behind budget YTD
- ▶ Total income (excl Foundation funding) is in line with budget YTD
- ▶ Foundation funded projects of \$828k is 61% behind budget YTD
- ▶ Total expenditure (excl Foundation) is 13% behind budget YTD

## FINANCIAL POSITION

- ▶ Cash and current assets of \$12.99m is down 3% from LY
- ▶ Financial investment of \$34.4m is down 6% from LY
- ▶ Total liabilities of \$16.6m is down 9% on LY
- ▶ Financial stability of 16.51 months budgeted expenditure is down from 18.28 months LY

## INVESTMENT ACCOUNT

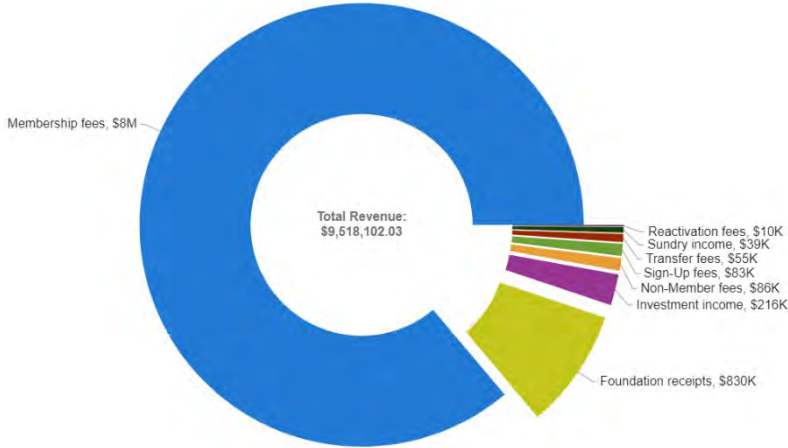
- ▶ Fair value loss of \$2.4m YTD
- ▶ Driven by market uncertainty and volatility
- ▶ Net loss after fair value adjustment is \$1,154,944

## FINANCE UPDATES

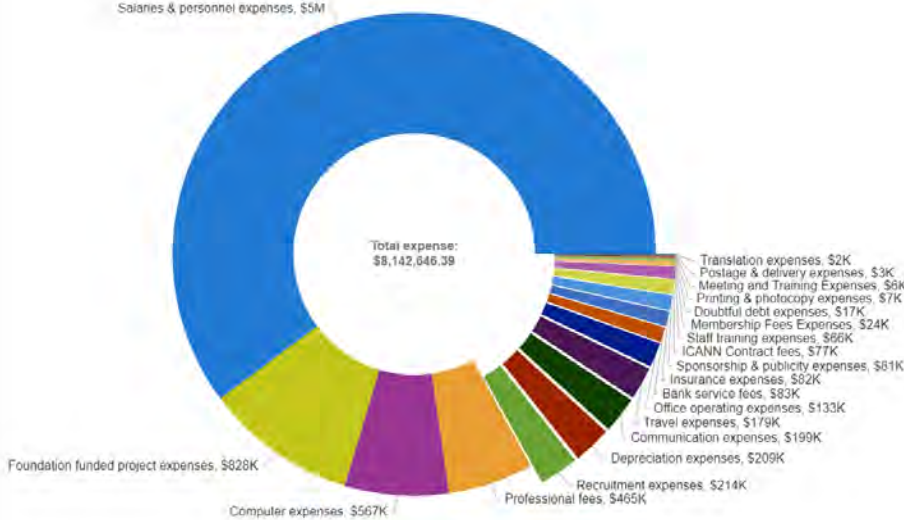
- ▶ APNIC mutuality status renewal is underway
- ▶ Refreshed presentation
- ▶ Banking review is planned for second half of year

# Financial Performance – YTD Summary

APNIC Revenue  
End of April 2022

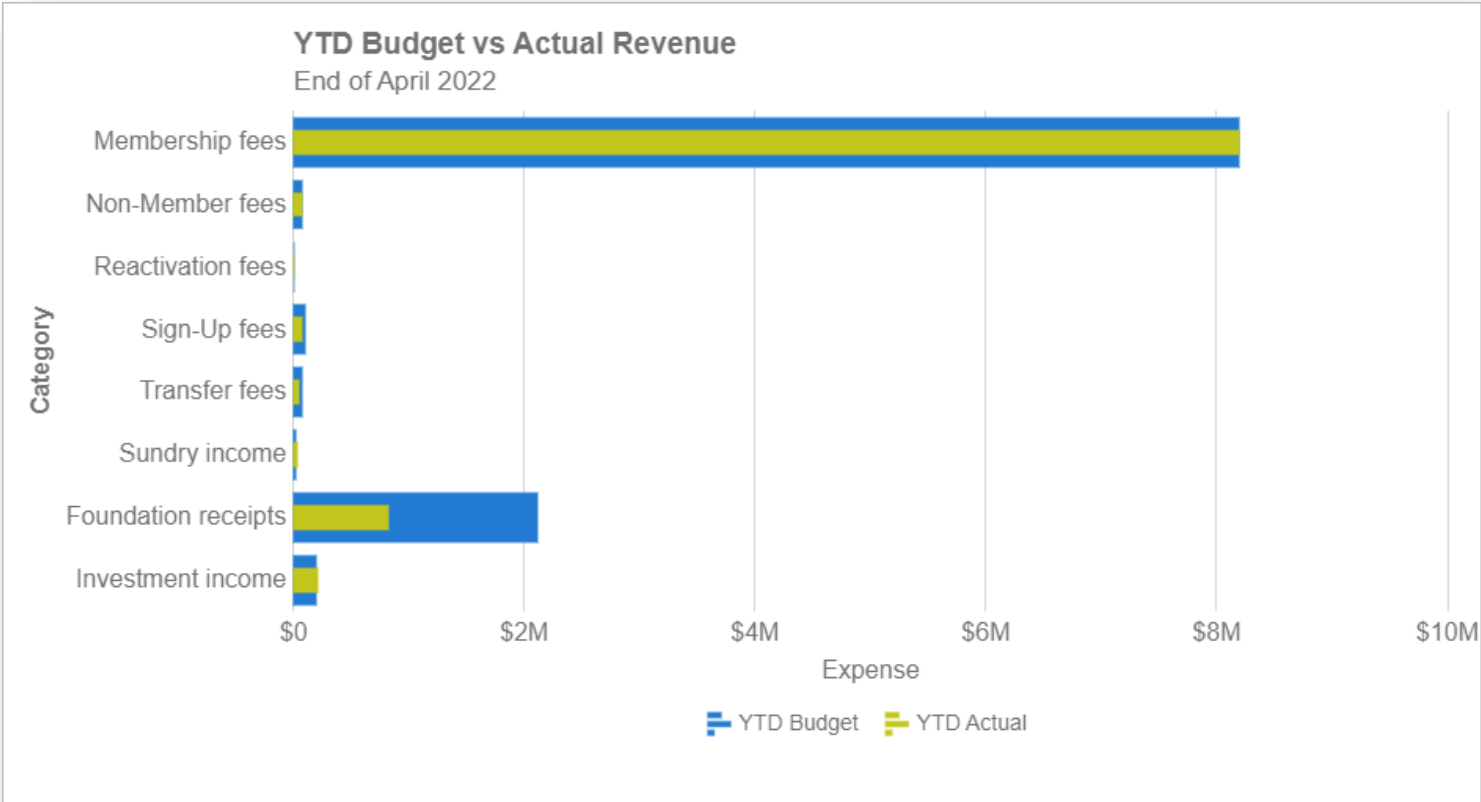


APNIC Expenses  
End of April 2022



**Operating Surplus = \$1,375,456**

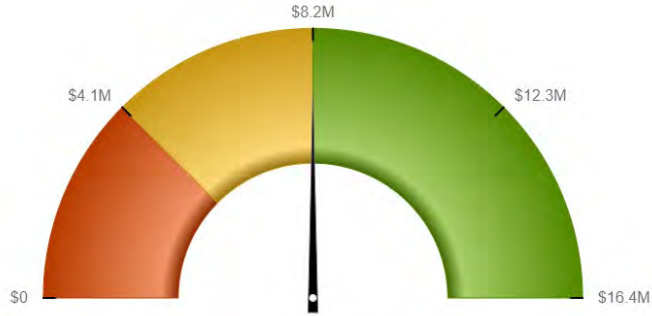
# Financial Performance – YTD Revenue





# Financial Performance – Membership

Membership fees  
End of April 2022



Sign-Up fees  
End of April 2022



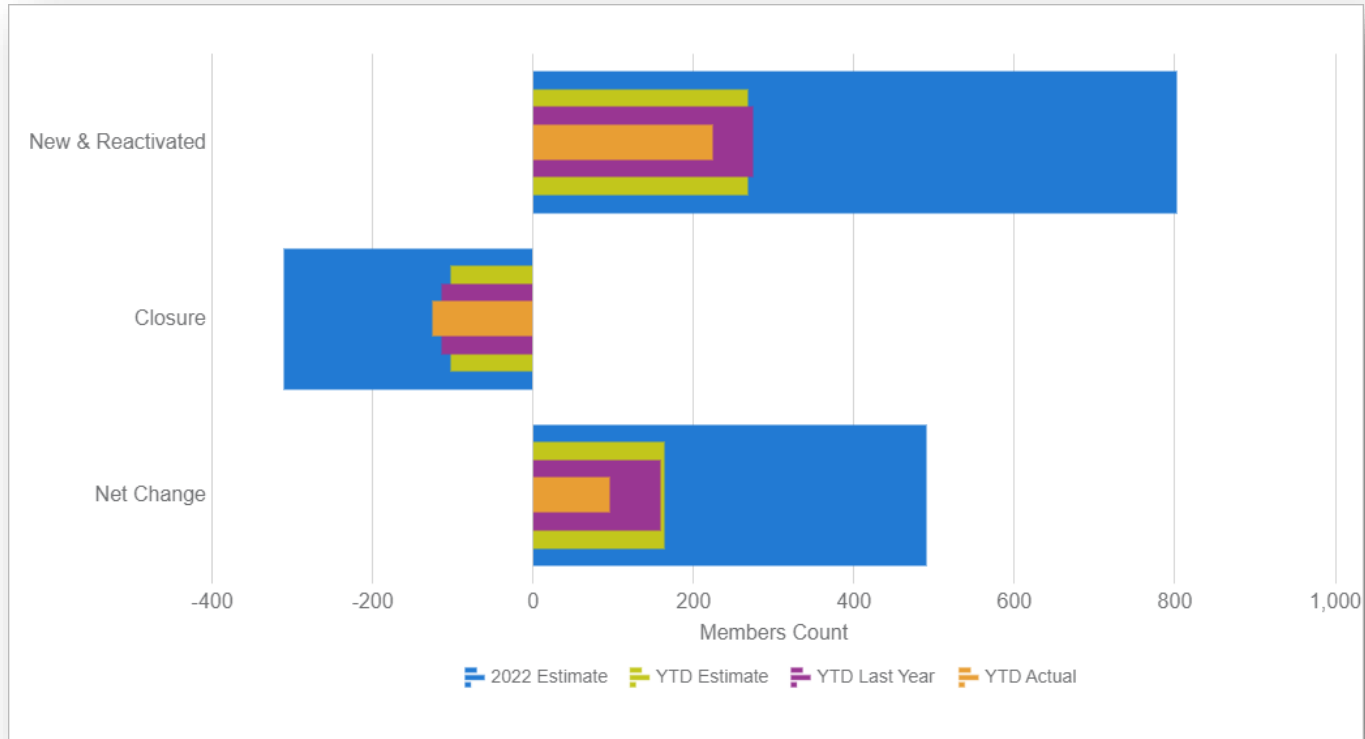
## Membership fees

- \$8.2m in line with budget YTD
- Lag indicator – membership is recognised “in arrears” over 12 months

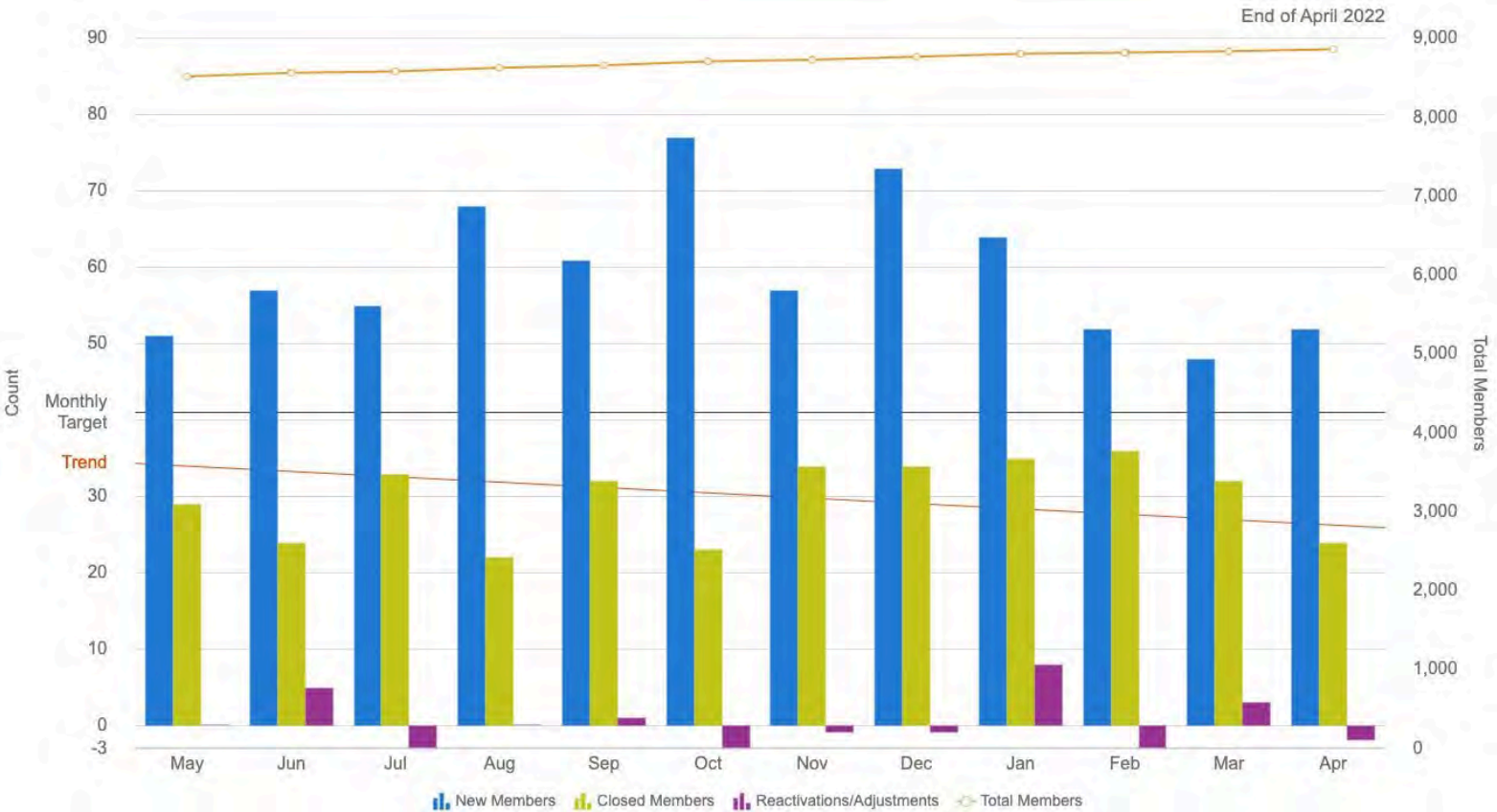
## Sign-up and transfer fees

- \$83k sign-up fees are 23% behind budget YTD
- \$55k transfer fees are 32% behind budget YTD
- Lead indicators – will impact membership fees into the future
- 216 new members vs. 268 budget YTD
- 127 closed members vs. 104 budget YTD
- \$1,350 average new member fee vs. \$1,435 budget
- 39.8% LDC vs 30% Budget YTD

# Membership year on year growth trend



# Membership growth trend



# Membership tracking

Membership	Total Dec 2021	YTD New Apr-22	Reactivation Adjustment	YTD Closed Apr-22	YTD Size Change Apr-22	Total Apr-22	% Total
Extra Large	26	0		0	0	26	0%
Very Large	49	0		0	-2	47	1%
Large	151	1		0	-1	151	2%
Medium	548	1		-3	12	558	6%
Small	3,733	59	2	-64	17	3,747	42%
Very Small	4,126	145	3	-46	-33	4,195	47%
Associate	135	10	1	-14	7	139	2%
<b>TOTAL</b>	<b>8,768</b>	<b>216</b>	<b>6</b>	<b>-127</b>	<b>0</b>	<b>8,863</b>	<b>100%</b>

# Membership by economy



# Membership tracking – closures by year joined

Year Joined	Deregistered/ Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total
2000						1			1
2004					1				1
2006		1							1
2007		1							1
2008					1	1			2
2009				2					2
2010		1		3					4
2011					1		1		2
2012		1		4	4	1		2	12
2013	1	1		3	2		1		8
2014		1		5		1	1	1	9
2015	1	5	1	1	6		1	4	19
2016	1	11	2	3	3		1	3	24
2017		3	1		2		4		10
2018			1		1	2	2		6
2019	1				5		1		7
2020	1		1		2	5	3		12
2021	1	2			1				4
2022	1						1		2
<b>Grand Total</b>	<b>7</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>29</b>	<b>11</b>	<b>16</b>	<b>10</b>	<b>127</b>

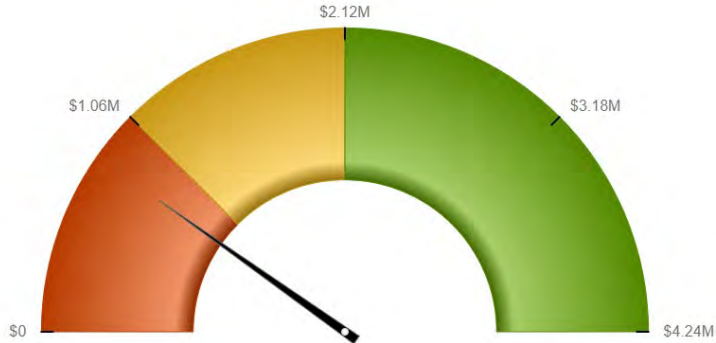
# Membership closures by year joined

Economy	Deregistered/ Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total	IPv4 Resources Reclaimed (/24's)	IPv6 Resources Reclaimed (/32's)	ASN Reclaimed
AF					2		1		3	5	1	5
AP	1	1			2		1	3	8		5	9
AU		6		11	1	3	4	3	28	25	8	9
BD	1	7			1	1		2	12	3	5	14
CN	1	6			4	1		1	13	29	9	6
HK	3	3		1	5	1	1		14	60	9	15
ID			1						1			1
IN		2	5	2		2	1		12	3	4	4
JP				2	3				5	12		
KH					1		2		3	8	1	3
KR	1								1	8	1	
LA					1				1	4		1
MM					1				1	1	0	1
MY				1					1			
NZ		1		1	1		3		6	7	4	4
PG							1		1	2		1
PH					3	1		1	5	7	0	3
PK		1				1	1		3	4	2	2
SG				1	2				3	2	0	1
TH				1	1	1	1		4	3	0	3
TW				1					1			2
WS					1				1	8	1	1
<b>Grand Total</b>	<b>7</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>29</b>	<b>11</b>	<b>16</b>	<b>10</b>	<b>127</b>	<b>191</b>	<b>50</b>	<b>85</b>

# Financial Performance – Other revenue

## Foundation receipts

End of April 2022

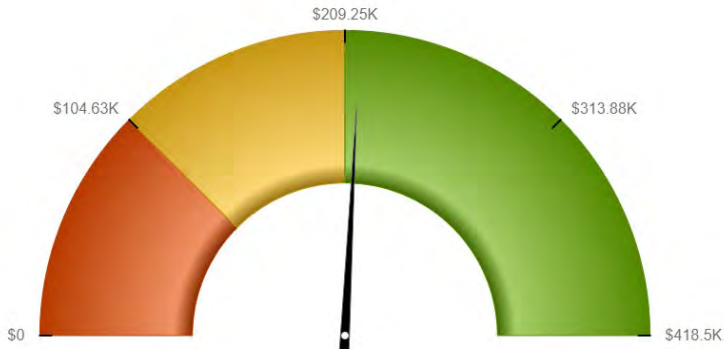


## Foundation receipts

- \$830k vs \$2.1m budget YTD
- Budget is straight lined – delivery is not (this can be improved)
- Delays in recruitment – trainers & retained community trainers
- \$165k IXP Project now being funded directly by Foundation

## Investment income

End of April 2022

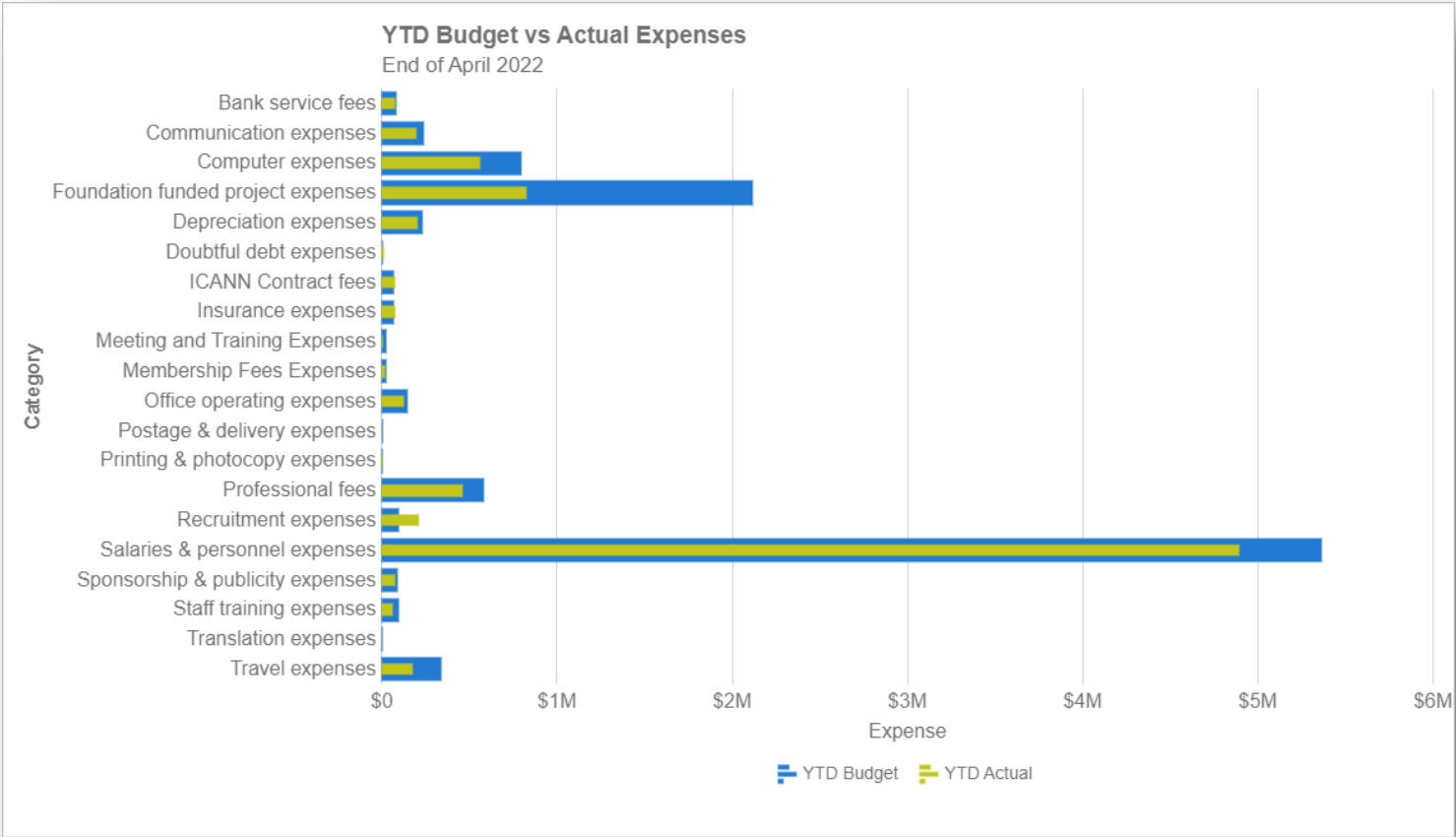


## Investment income

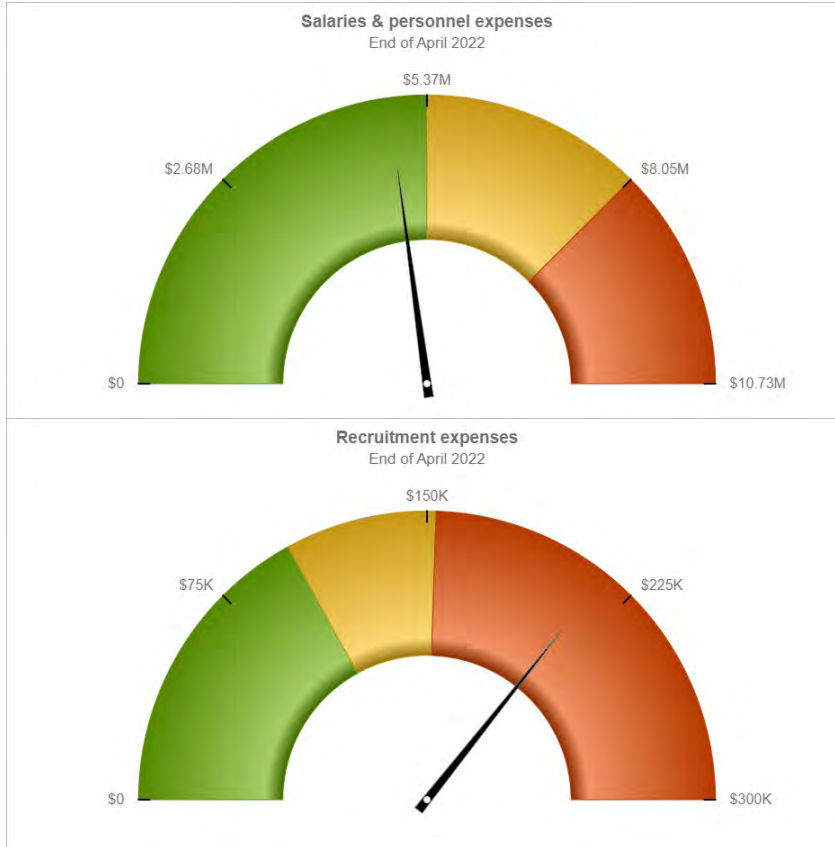
- \$216k investment income is 3% up on budget YTD
- Investment income remains positive despite market volatility and decline in value of investment



# Financial Performance – YTD Expense



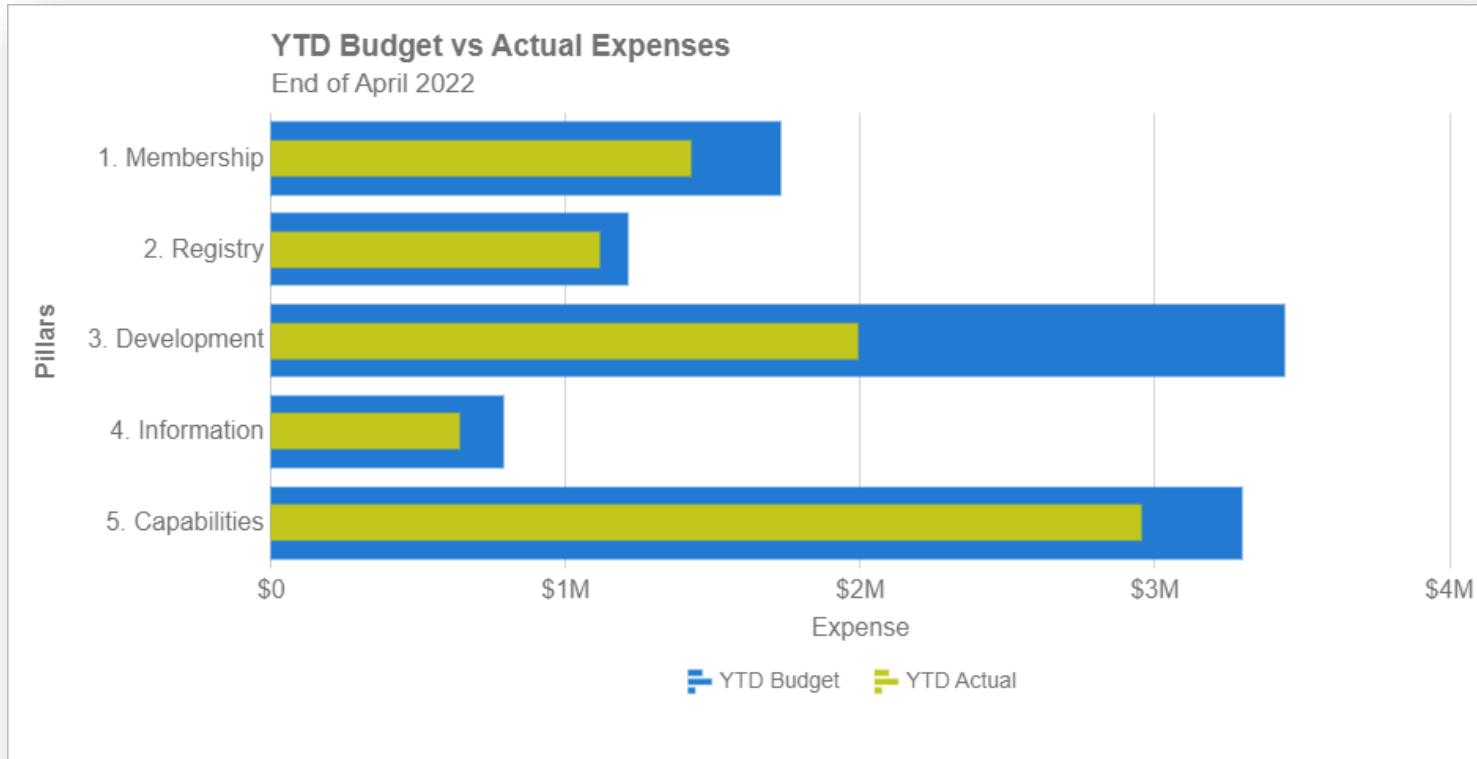
# Financial Performance – Personnel costs



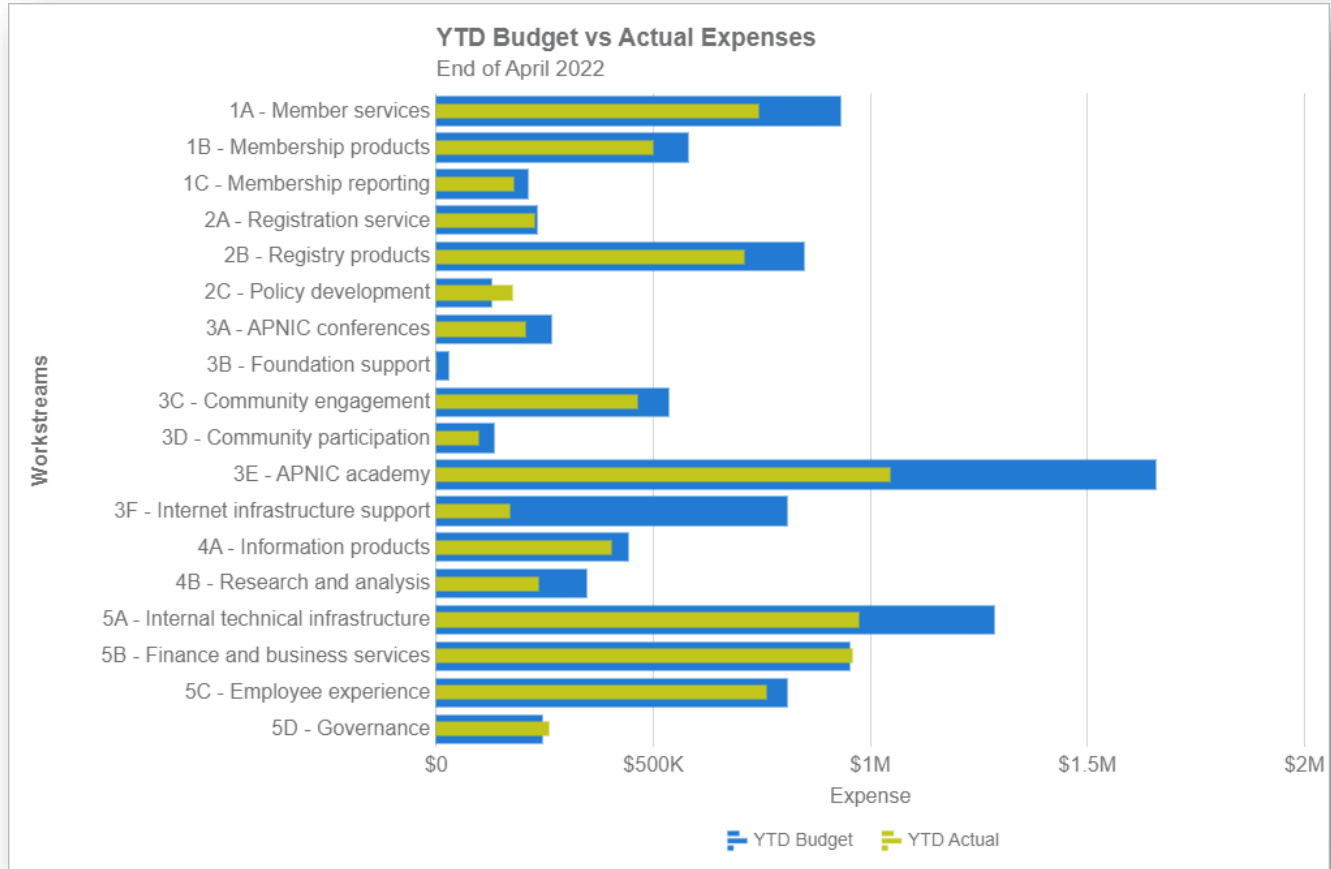
## Personnel costs

- \$4.9m personnel expenses are 9% behind budget YTD
- 3 FTE recruited vs. 8 FTE budget YTD
- 4 casuals recruited vs. 5 casuals budgeted YTD
- 2 role departures, 1 replaced YTD
- Challenging recruitment market –
  - timing of recruitment vs. budget (e.g. budgeted to start January, actual start is March)
  - Temp / consulting arrangements to cover FTE shortages
  - Market salaries are higher than budgeted salaries
- **Recruitment fees**
- \$214k recruitment fees are 110% ahead of budget
- Includes \$66k for relocation of 3 staff members from Afghanistan (Network Engineer), Bangladesh (Technical Trainer) & Singapore (Strategic Engagement)

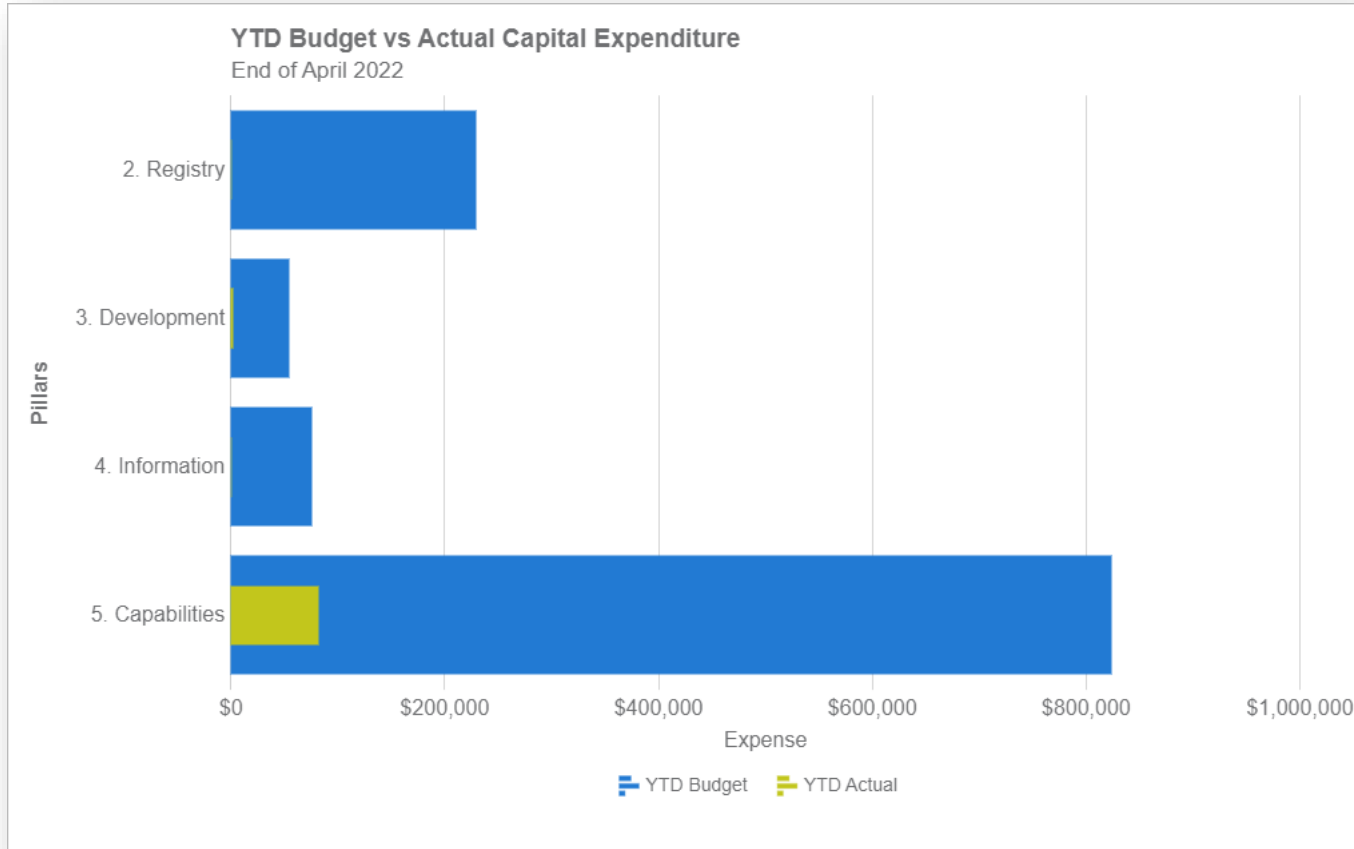
# YTD Expenditure by pillars



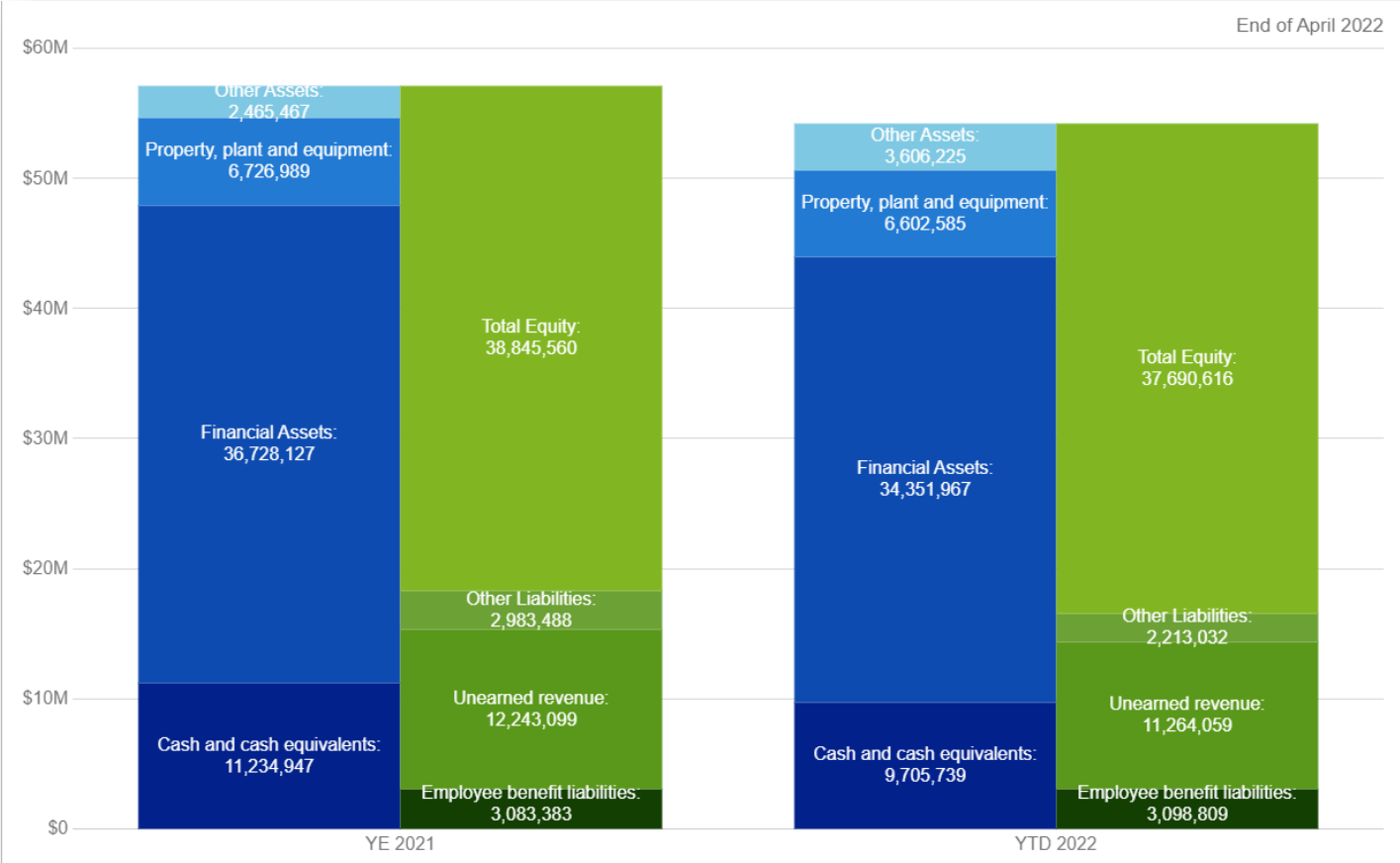
# YTD Expenditure by workstreams



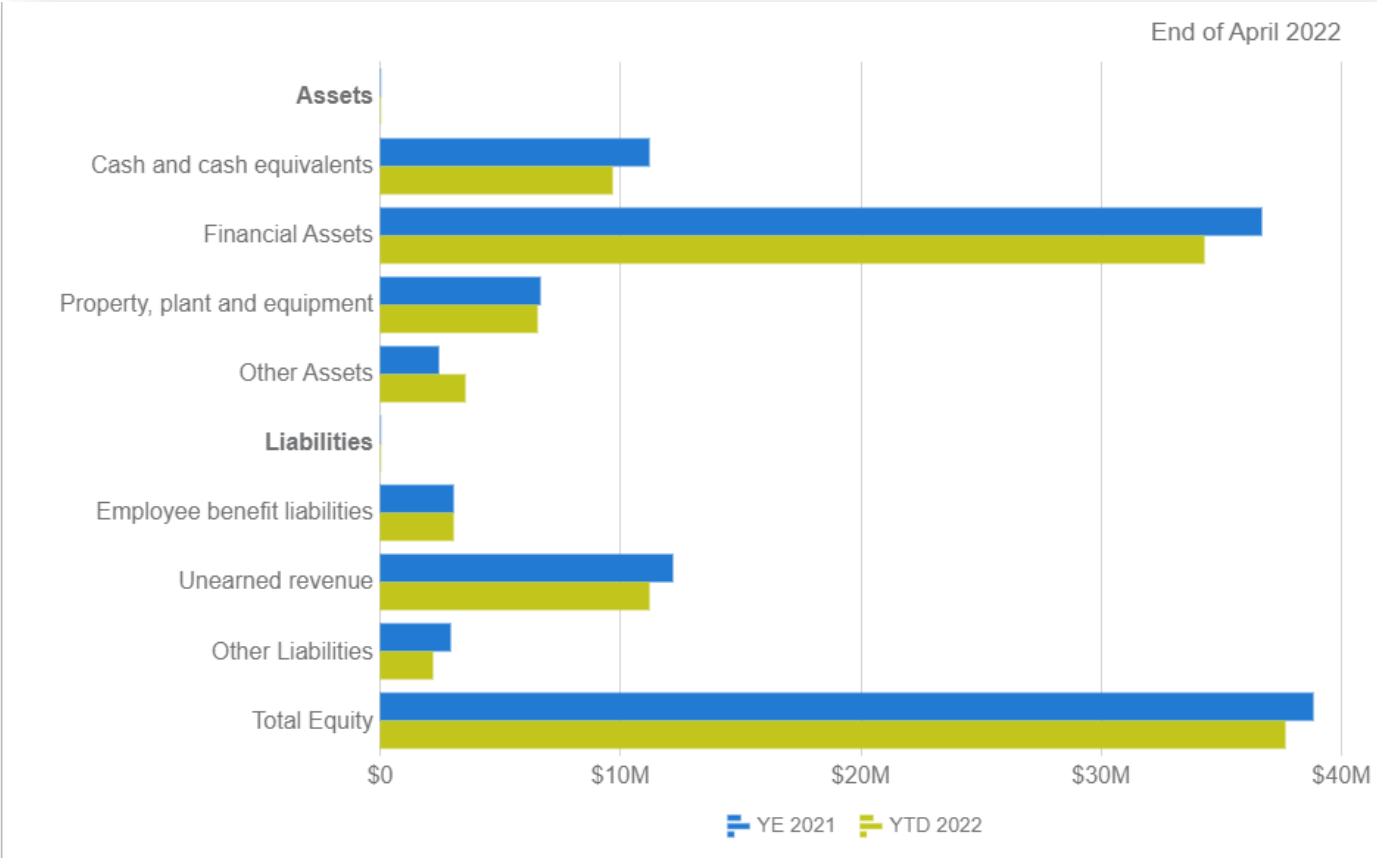
# Capital expenditure by pillars



# Financial Position – Balance Sheet



# Balance Sheet – Another way to look at it...



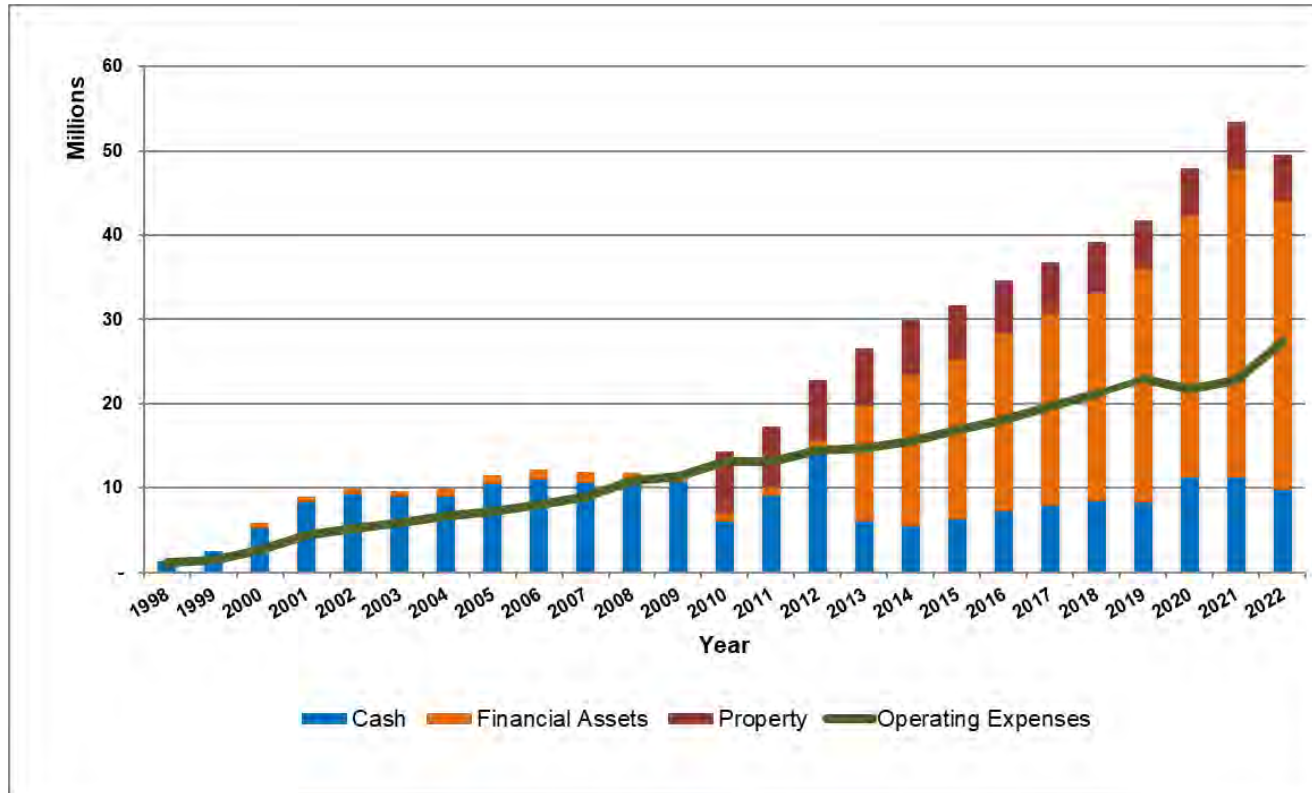
# Financial Position – Financial Stability

	YTD Apr Equity vs Actual Expenses	YTD Apr Equity vs Budgeted Expenses	Actual 2021*	Actual 2020*	Actual 2019
Total Equity (AUD)	37,690,616	37,690,616	38,845,560	34,176,883	30,724,702
% Equity Covered By Cash/ Cash Equivalents	117%	116%	123%	124%	117%
Monthly Operating Expenses (AUD)	1,828,575	2,283,484	2,125,305	2,024,419	1,914,554
Number of Months of expenses covered by Equity	<b>20.61</b>	<b>16.51</b>	<b>18.28</b>	<b>16.88</b>	<b>16.05</b>

- \*The 2020 & 2021 financial stability measures are based on budgeted monthly operating expenses as this provides a more realistic expectation of coverage in a non-COVID operating environment.
- The 2022 financial stability measure is shown above for both YTD actual (20.61 months coverage) and YTD budget (16.51 months coverage)
- The reduction in financial stability measure is impacted by \$1.1m reduction in YTD equity on account of the decline in the investment portfolio valuation.
- During the budget presentation, APNIC forecast a decline in the stability measure in the first half of 2022.



# Financial Position – APNIC Reserve



# Investment Portfolio Update

Performance as of 30 April 2022

APNIC Portfolio				
	Portfolio	Benchmark	Relative	CPI + 2.5%
Month	-1.57%	-1.54%	-0.03%	0.63%
3 Months	-4.08%	-3.70%	-0.38%	1.78%
Year To Date	-6.51%	-5.99%	-0.52%	2.29%
1 Year	-2.56%	-1.84%	-0.73%	6.18%
3 Years pa	2.51%	3.23%	-0.71%	4.44%
Since Inception pa	4.49%	4.81%	-0.33%	4.45%

- Year to date performance:
  - Portfolio = -6.51%
  - CPI + 2.5% = 2.29%
- Performance since inception:
  - Portfolio = 4.49%
  - CPI + 2.5% = 4.45%

\* Performance is after fees but before franking. Inception is September 2013.

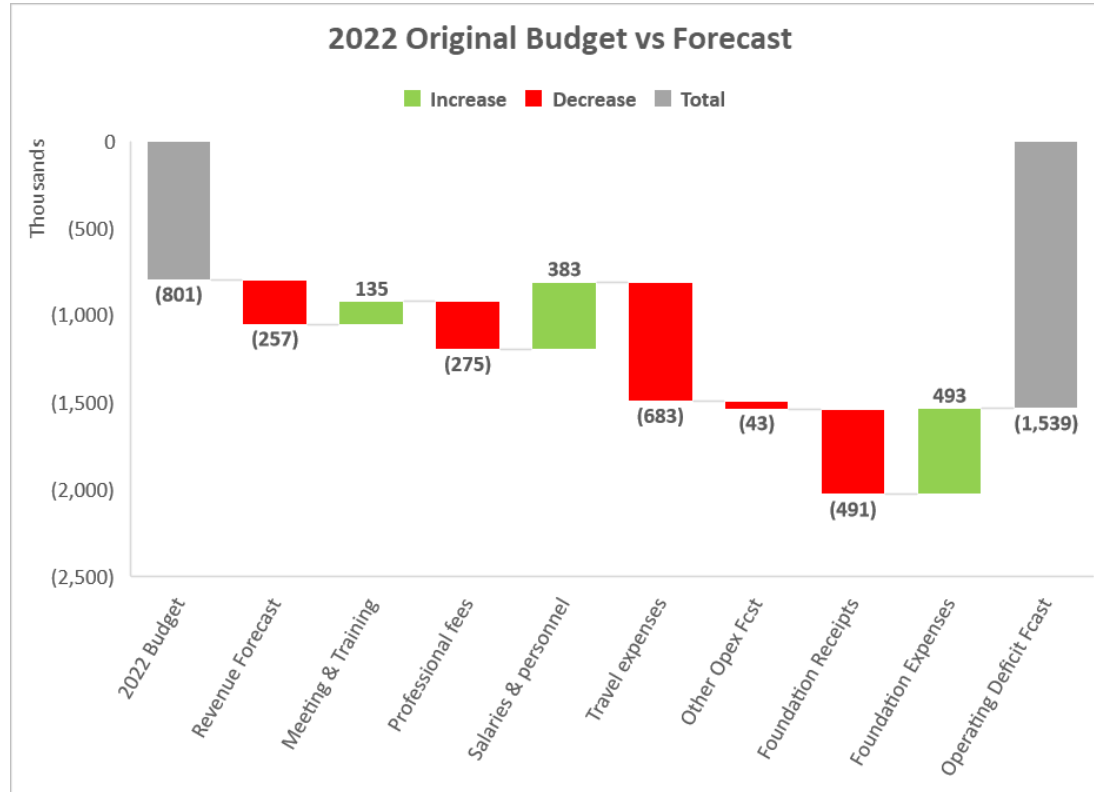
January 2022 – December 2022

# 2022 FORECAST

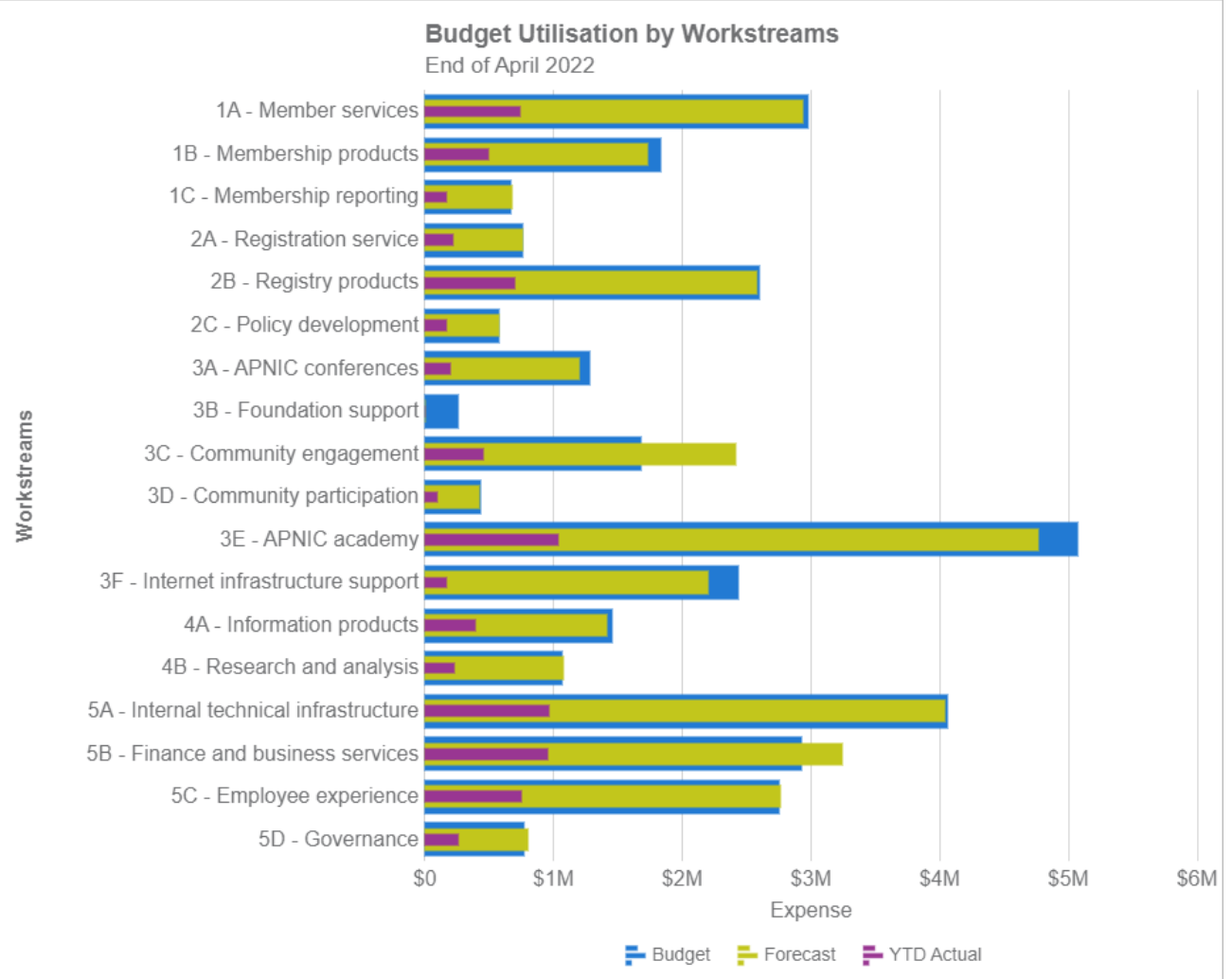
# Forecast – Variance Analysis

<p><u>MEMBERSHIP FEES</u></p> <p><b>\$24,591,302</b></p> <p>\$24,799,617</p> <p><b>-0.84%</b></p>	<p><u>OTHER REVENUE</u></p> <p><b>\$1,751,821</b></p> <p>\$1,800,698</p> <p><b>-2.71%</b></p>	<p><u>FOUNDATION RECEIPTS</u></p> <p><b>\$5,871,108</b></p> <p>\$6,362,600</p> <p><b>-7.72%</b></p>	<p><u>TOTAL REVENUE</u></p> <p><b>\$32,214,231</b></p> <p>\$32,962,915</p> <p><b>-2.27%</b></p>
<p><u>SALARY &amp; PERSONNEL COSTS</u></p> <p><b>\$17,193,942</b></p> <p>\$17,577,277</p> <p><b>-2.18%</b></p>	<p><u>OTHER EXPENSES</u></p> <p><b>\$10,690,230</b></p> <p>\$9,824,534</p> <p><b>8.81%</b></p>	<p><u>FOUNDATION PROJECTS</u></p> <p><b>\$5,869,117</b></p> <p>\$6,362,600</p> <p><b>-7.76%</b></p>	<p><u>TOTAL EXPENSES</u></p> <p><b>\$33,753,290</b></p> <p>\$33,764,411</p> <p><b>-0.03%</b></p>
<p><u>REVENUE REFORECAST</u></p> <p>Membership fees (\$208k below budget):</p> <ul style="list-style-type: none"> <li>▶ 648 new members forecast vs 804 budget (54 per month).</li> <li>▶ 381 closures forecast vs 312 budget (32 per month).</li> <li>▶ \$1,350 per new member vs \$1,435 budget.</li> <li>▶ 39.8% LDC members vs. 30% budget</li> </ul> <p>Other revenue (\$49k below budget):</p> <ul style="list-style-type: none"> <li>▶ Sign-up fees \$26k below budget</li> <li>▶ Transfer fees \$26k below budget</li> <li>▶ Interest &amp; Sundry income in line with budget</li> </ul> <p>Foundation receipts (\$491k below budget):</p> <ul style="list-style-type: none"> <li>▶ Ongoing recruitment challenges</li> <li>▶ \$165k IXP project budget removed - delivered by Foundation</li> </ul>		<p><u>EXPENSE REFORECAST</u></p> <p>Salary &amp; personnel costs (\$383k below budget):</p> <ul style="list-style-type: none"> <li>▶ Ongoing recruitment challenges</li> </ul> <p>Other expenses (\$866k above budget):</p> <ul style="list-style-type: none"> <li>▶ Depreciation \$97k below budget</li> <li>▶ Meeting &amp; training expense \$135k below budget</li> <li>▶ Professional fees \$275k above budget</li> <li>▶ Recruitment costs \$80k above budget</li> <li>▶ Travel expense \$683k above budget</li> </ul> <p>Foundation projects:</p> <ul style="list-style-type: none"> <li>▶ As per receipts</li> </ul>	

# Operating Forecast - Waterfall



# Operating Forecast by workstream



# Provision for Travel

## Travel spend 2022 YTD:

- Actual ticket only spend from 01 Jan through 31 Mar was \$20K
- Actual ticket only spend from 01 Apr through 15 May was \$185K

## Travel forecast & Assumptions:

- Travel spend for 2022 is forecast to include:
  - \$185K x 6.67 = \$1.2M
  - APNIC 54 ticket costs = \$250K
  - Associated costs (hotels, transfers, meals, incidentals) = \$300K.

## Why additional travel provision is needed:

- Prices are volatile!
- Capacity is limited
- Demand is increasing rapidly
- Ticket Time Line (TTLs) no longer apply

January 2022 – April 2022

# INCOME STATEMENT AND BALANCE SHEET



# Income Statement – April 2022 & Forecast

Amount (AUD)	YTD Actual	YTD Actual	Variance %	Budget	Forecast	Budget
	Apr 2022	Apr 2021		2022	2022	Variance %
Membership fees	8,198,843	8,017,949	2%	24,799,617	24,591,302	-1%
Non-members fees	85,812	83,798	2%	263,209	263,005	0%
Reactivation fees	9,600	8,000	20%	22,644	24,084	6%
Sign Up fees	82,750	103,000	-20%	315,985	290,010	-8%
Transfer fees	55,495	78,752	-30%	220,431	194,811	-12%
Sundry income	39,251	148,454	-74%	172,200	175,795	2%
Foundation receipts	830,337	28,880	2775%	6,362,600	5,871,108	-8%
Operating Revenue	9,302,089	8,468,834	10%	32,156,686	31,410,115	-2%
Investment income	216,013	225,586	-4%	806,229	804,116	0%
<b>TOTAL REVENUE</b>	<b>9,518,102</b>	<b>8,694,420</b>	<b>9%</b>	<b>32,962,915</b>	<b>32,214,231</b>	<b>-2%</b>
Bank service fees	82,520	74,301	11%	261,000	261,000	0%
Communication expenses	199,045	216,539	-8%	688,000	688,671	0%
Computer expenses	567,101	414,604	37%	2,295,755	2,340,288	2%
Foundation funded project expenses	828,347	0	0%	6,362,600	5,869,117	-8%
Depreciation expenses	209,392	221,892	-6%	838,869	743,147	-12%
Doubtful debt expenses	17,007	26,949	-37%	20,000	20,000	0%
ICANN contract fees	77,254	65,838	17%	225,600	231,762	3%
Insurance expenses	81,694	87,152	-6%	231,600	236,100	2%
Meeting & training expenses	6,179	12,725	-51%	553,500	418,500	-24%
Membership fees expenses	24,102	17,416	38%	81,010	79,579	2%
Office operating expenses	132,647	97,863	36%	455,640	461,220	1%
Postage & delivery expenses	2,505	8,085	-69%	48,000	48,000	0%
Printing & photocopy expenses	6,961	7,622	-9%	29,000	29,000	0%
Professional fees	464,973	601,951	-23%	1,824,480	2,089,122	15%
Recruitment expenses	214,165	79,753	169%	306,000	386,069	26%
Salaries & personnel expenses	4,900,084	4,506,235	9%	17,577,277	17,183,942	-2%
Sponsorship & publicity expenses	80,966	80,123	1%	553,780	553,781	0%
Staff training expenses	66,453	36,812	81%	314,000	314,000	0%
Translation expenses	1,750	-	0%	30,000	30,000	0%
Travel expenses	179,500	20,585	772%	1,066,700	1,750,000	61%
<b>TOTAL EXPENSES</b>	<b>8,142,646</b>	<b>6,576,444</b>	<b>24%</b>	<b>33,764,411</b>	<b>33,753,290</b>	<b>-0%</b>
<b>Operating Surplus/ (Deficit)</b>	<b>1,375,456</b>	<b>2,117,976</b>	<b>-35%</b>	<b>-801,496</b>	<b>-1,539,059</b>	<b>92%</b>
Fair value (loss)/ gain on financial assets	-2,530,399	144,589	-1850%	0	2,530,399	0%
<b>Surplus/ (Deficit) Before Tax</b>	<b>-1,154,944</b>	<b>2,262,574</b>	<b>-151%</b>	<b>-801,496</b>	<b>-4,069,459</b>	<b>408%</b>

# Balance Sheet – April 2022

Amount (AUD)	YTD Apr 2022	Year End 2021	% Change
<b>CURRENT ASSETS</b>			
Cash/ Term Deposits	9,705,739	11,234,947	-14%
Receivables	2,034,690	1,166,701	74%
Others	1,249,979	977,210	28%
<b>TOTAL CURRENT ASSETS</b>	<b>12,990,408</b>	<b>13,378,858</b>	<b>-3%</b>
<b>NON-CURRENT ASSETS</b>			
Other Financial Assets	34,351,967	36,728,127	-6%
Property, plant and equipment	6,602,585	6,726,989	-2%
Deferred Tax Assets	321,557	321,557	0%
<b>TOTAL CURRENT LIABILITES</b>	<b>41,276,108</b>	<b>43,776,672</b>	<b>-6%</b>
<b>TOTAL ASSETS</b>	<b>54,266,516</b>	<b>57,155,530</b>	<b>-5%</b>
<b>CURRENT LIABILITIES</b>			
Payables	765,180	1,535,635	-50%
Provisions	2,678,937	2,700,030	-1%
Unearned Revenue	11,264,059	12,243,099	-8%
<b>TOTAL CURRENT LIABILITES</b>	<b>14,708,176</b>	<b>16,478,765</b>	<b>-11%</b>
<b>NON - CURRENT LIABILITIES</b>			
Deferred Tax Liabilities	1,447,853	1,447,853	0%
Total Provisions	419,872	383,353	10%
<b>TOTAL NON-CURRENT LIABILITIES</b>	<b>1,867,724</b>	<b>1,831,206</b>	<b>2%</b>
<b>TOAL LIABILITIES</b>	<b>16,575,900</b>	<b>18,309,971</b>	<b>-9%</b>
<b>NET ASSETS</b>	<b>37,690,616</b>	<b>38,845,560</b>	<b>-3%</b>
<b>Equity</b>			
Share Capital	1	1	0%
Retained earnings	38,845,559	34,176,882	14%
Net (Deficit)/ Surplus	-1,154,944	4,668,677	-125%
<b>TOTAL EQUITY</b>	<b>37,690,616</b>	<b>38,845,560</b>	<b>-3%</b>

# Monthly Financial Report

## (in AUD)

April 2022

**APNIC**



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# 1 Executive Summary

For the period ended April 2022, APNIC's year to date operating surplus is \$1,375,456. APNIC holds net assets of \$37,690,616 which was a 3% decrease year-to-date.

APNIC forecasts a full year operating deficit of \$1,539,059 vs. budgeted operating deficit of \$801,496. Figure 1: Original Budget vs Forecast shows the key drivers to the variance between budget and forecast performance.

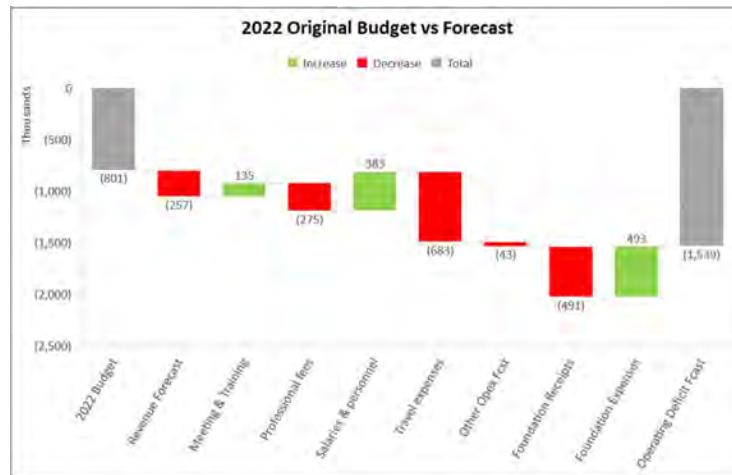


Figure 1: Original Budget vs Forecast

## 2 Statement of Financial Position

The Statement of Financial Position compares APNIC's assets, liabilities and equity at the end of April 2022 against the 2021 year end balances.

Amount (AUD)	YTD Apr 2022	Year End 2021	% Change
<b>CURRENT ASSETS</b>			
Cash/ Term Deposits	9,705,739	11,234,947	-14%
Receivables	2,034,690	1,166,701	74%
Others	1,249,979	977,210	28%
<b>TOTAL CURRENT ASSETS</b>	<b>12,990,408</b>	<b>13,378,858</b>	<b>-3%</b>
<b>NON-CURRENT ASSETS</b>			
Other Financial Assets	34,351,967	36,728,127	-6%
Property, plant and equipment	6,602,585	6,726,989	-2%
Deferred Tax Assets	321,557	321,557	0%
<b>TOTAL NON-CURRENT ASSETS</b>	<b>41,276,108</b>	<b>43,776,672</b>	<b>-6%</b>
<b>TOTAL ASSETS</b>	<b>54,266,516</b>	<b>57,155,530</b>	<b>-5%</b>
<b>CURRENT LIABILITIES</b>			
Payables	765,180	1,535,635	-50%
Provisions	2,678,937	2,700,030	-1%
Unearned Revenue	11,264,059	12,243,099	-8%
<b>TOTAL CURRENT LIABILITIES</b>	<b>14,708,176</b>	<b>16,478,765</b>	<b>-11%</b>
<b>NON - CURRENT LIABILITIES</b>			
Deferred Tax Liabilities	1,447,853	1,447,853	0%
Total Provisions	419,872	383,353	10%
<b>TOTAL NON-CURRENT LIABILITIES</b>	<b>1,867,724</b>	<b>1,831,206</b>	<b>2%</b>
<b>TOAL LIABILITIES</b>	<b>16,575,900</b>	<b>18,309,971</b>	<b>-9%</b>
<b>NET ASSETS</b>	<b>37,690,616</b>	<b>38,845,560</b>	<b>-3%</b>
<b>Equity</b>			
Share Capital	1	1	0%
Retained earnings	38,845,559	34,176,882	14%
Net (Deficit)/ Surplus	-1,154,944	4,668,677	-125%
<b>TOTAL EQUITY</b>	<b>37,690,616</b>	<b>38,845,560</b>	<b>-3%</b>

Table 1. Statement of Financial Position

### The Statement of Financial Position (Table 1)

The Statement of Financial Position compares APNIC's assets, liabilities and equity at the end of April 2022 against the December 2021 year end balances.

Equity has decreased by 3% or \$1,154,944 since December 2021. Key drivers of change in the financial position include:

- \$1,529,209 reduction in cash utilized as working capital to support operations and offset by the reduction of current liabilities.
- \$867,988 increase in trade receivables due to a high volume of membership invoices issued during April 2022 as compared to December 2021.
- \$272,770 increase in other receivables attributed to an increase in prepayments.

- \$2,376,160 decrease in other financial assets due to the decline in value of investment portfolio.
- \$770,456 decrease in payables due to payment of suppliers and offset by the reduction in cash.
- \$979,041 reduction in unearned revenue due to the ongoing recognition of membership revenues in line with APNIC accounting policies.

### 3 Statement of Income

The Statement of Income compares APNIC's year-to-date April 2022 revenue and expenditure against the comparative period for 2021. It also compares the full year budget against the full year forecast for 2022.

Amount (AUD)	YTD Actual	YTD Actual	Variance %	Budget	Forecast	Budget
	Apr 2022	Apr 2021		2022	2022	Variance %
Membership fees	8,198,843	8,017,949	2%	24,799,617	24,591,302	-1%
Non-members fees	85,812	83,798	2%	263,209	263,005	-0%
Reactivation fees	9,600	8,000	20%	22,644	24,084	6%
Sign-Up fees	82,750	103,000	-20%	315,985	290,010	-8%
Transfer fees	55,495	78,752	-30%	220,431	194,811	-12%
Sundry income	39,251	148,454	-74%	172,200	175,795	2%
Foundation receipts	830,337	28,880	2775%	6,362,600	5,871,108	-8%
<b>Operating Revenue</b>	<b>9,302,089</b>	<b>8,468,834</b>	<b>10%</b>	<b>32,156,686</b>	<b>31,410,115</b>	<b>-2%</b>
Investment income	216,013	225,586	-4%	806,229	804,116	-0%
<b>TOTAL REVENUE</b>	<b>9,518,102</b>	<b>8,694,420</b>	<b>9%</b>	<b>32,962,915</b>	<b>32,214,231</b>	<b>-2%</b>
Bank service fees	82,520	74,301	11%	261,000	261,000	0%
Communication expenses	199,045	216,539	-8%	688,600	688,671	0%
Computer expenses	567,101	414,604	37%	2,295,755	2,340,288	2%
Foundation funded project expenses	828,347	0	0%	6,362,600	5,869,117	-8%
Depreciation expenses	209,392	221,892	-6%	839,869	743,147	-12%
Doubtful debt expenses	17,007	26,949	-37%	20,000	20,000	0%
ICANN contract fees	77,254	65,838	17%	225,600	231,762	3%
Insurance expenses	81,694	87,152	-6%	231,600	236,100	2%
Meeting & training expenses	6,179	12,725	-51%	553,500	418,500	-24%
Membership fees expenses	24,102	17,416	38%	81,010	79,579	-2%
Office operating expenses	132,647	97,863	36%	455,640	461,220	1%
Postage & delivery expenses	2,505	8,085	-69%	48,000	48,000	0%
Printing & photocopy expenses	6,961	7,622	-9%	29,000	29,000	-0%
Professional fees	464,973	601,951	-23%	1,824,480	2,099,122	15%
Recruitment expenses	214,165	79,753	169%	306,000	386,059	26%
Salaries & personnel expenses	4,900,084	4,506,235	9%	17,577,277	17,193,942	-2%
Sponsorship & publicity expenses	80,966	80,123	1%	553,780	553,781	0%
Staff training expenses	66,453	36,812	81%	314,000	314,000	0%
Translation expenses	1,750	-	0%	30,000	30,000	0%
Travel expenses	179,500	20,585	772%	1,066,700	1,750,000	64%
<b>TOTAL EXPENSES</b>	<b>8,142,646</b>	<b>6,576,444</b>	<b>24%</b>	<b>33,764,411</b>	<b>33,753,290</b>	<b>-0%</b>
<b>Operating Surplus/ (Deficit)</b>	<b>1,375,456</b>	<b>2,117,976</b>	<b>-35%</b>	<b>-801,496</b>	<b>-1,539,059</b>	<b>92%</b>
Fair value (loss)/ gain on financial assets	-2,530,399	144,599	-1850%	0	-2,530,399	0%
<b>Surplus/ (Deficit) Before Tax</b>	<b>-1,154,944</b>	<b>2,262,574</b>	<b>-151%</b>	<b>-801,496</b>	<b>-4,069,459</b>	<b>408%</b>

Table 2. Statement of Income



**The Statement of Income (Table 2)**

Year to date, APNIC has delivered an operating surplus of \$1,375,456 and a net deficit after fair value loss on financial assets of \$2,530,399.

The full year forecast operating deficit is \$1,539,059 vs an original budget operating deficit of \$801,496.

**Membership revenue:** Operating Revenue (excluding Foundation projects) is forecast to be \$255,079 below budget at the end of 2022.

- Membership fees are forecast to be below full year budget by \$208,315.
- Sign-up fees are forecast to be \$25,975 or 8% below budget for the year.
- Year-to-date net membership growth (new & re-activated members less closures) was 1.08% for 2022 vs 1.93% same time last year (See Figure 2: Net Membership Growth YTD).
- Year-to-date new member growth was 216 vs budget of 268. Year-to-date account closures was 127 vs budget of 104.
- Year-to-date average fees for new members was \$1,350, compared to budget assumption of \$1,435. The average annual fee for closed accounts was \$1,733, compared to the budget assumption of \$1,769.
- 39.8% of all new members are eligible for the LDC discount, compared to the budget assumption of 30%.

	2022 YTD	2021 YTD
New Members	216	261
Reactivated Members	6	11
Closure	(127)	(111)
<b>Net Change</b>	<b>95</b>	<b>161</b>
As at 1 Jan	8,768	8,341
Net Change	95	161
As at 30 Apr	8,863	8,502
<b>Year to Date Growth %</b>	<b>1.08%</b>	<b>1.93%</b>

**Figure 2. Net Membership Growth YTD**

**Foundation receipts and expenses:** Both receipts and expenses are forecast to be \$493,483 below budget.

For greater transparency, APNIC is now reporting Foundation receipts and Foundation expenses separately as 'Foundation receipts' (revenue) and 'Foundation funded project expenses' (expenses) in the Statement of Income. Previous accounting treatment was to offset the Foundation receipts and expenses within the Income Statement.

Major variances in Foundation receipts and expenses include:

- Delays in the recruitment and onboarding of trainers, retained community trainers and other project funded roles will reduce the full year salary and wage expenses associated with project delivery.

- Reduction in project funding delivery for IXP development due to the project being delivered directly by the APNIC Foundation.
- The full year receipts are forecast to reduce accordingly as a result of the reduction in Foundation expenses.

**Expenses:** Operating expenses (excluding Foundation projects) are forecast to be \$482,362 or 2% more than budget at the end of 2022. Major variances include:

- **Meeting & training expenses:** The provision for staff conference will not be fully utilized following the decision to run a smaller scale mid-year staff gathering (\$135,000 saving).
- **Professional fees:** The full year expense is forecast to exceed budget due to additional provisions for a maternity cover on agile and productivity coaching, higher than budgeted consultancy for five 9s' gap analysis and recognition of HRIS implementation cost as operating expenses in accordance with the latest International Financial Reporting Standards. (\$274,642 increase to budget).
- **Travel expenses:** The full year expense is forecast to exceed the original budget due limited capacity, increasing demand and overall volatility of prices, particularly on airfares. Travel arrangements are under ongoing review to optimize the benefit of hybrid and face-to-face meetings. Based on an assessment of current travel needs the travel provision has been increased by \$683,300.

**Fair Value Loss on Financial Assets:** Year-to-date April value of the investment portfolio has reduced by \$2,376,160.

Since inception in September 2013, the portfolio has returned 4.49% (after fees but before franking) against the benchmark (CPI + 2.5%) of 4.45%. The Credit Suisse Investment Report and Commentary that accompany this financial report provide detailed analysis of the portfolio's performance over time.

APNIC does not budget for investment valuation changes due to market volatility. Therefore, the decline in value of the portfolio has impacted the actual and full year forecast net deficit vs. original budget.

## 4 Capital Expenditure

The table below provides overview of current capital expenditure as of April 2022.

CAPITAL (AUD)	YTD Actual Apr 2022	YTD Actual Apr 2021	Variance %	Budget 2022	Forecast 2022	Budget Variance %
Equipment & Software	55,405	75,473	-27%	1,141,800	1,039,933	-9%
Office Furniture & Fittings	29,837	-	-	327,500	327,500	0%
<b>Total - Capital Expenditure</b>	<b>85,242</b>	<b>75,473</b>	<b>13%</b>	<b>1,469,300</b>	<b>1,367,433</b>	<b>-7%</b>

Table 3. Capital Expenditure

### Capital Expenditure (Table 3)

- Year to date spend on equipment and software includes cyclical renewal of staff laptops and minor capital enhancements to the office building.
- The latest International Financial Reporting Standards has directed that HRIS implementation costs are to be recognised as an operating expense instead of capital expenditure. The impact is a \$100,000 forecast reduction in equipment and software addition.

## 5 Activity Summary

### 5.1 Expenses

EXPENSES (AUD)	YTD Actual Apr 2022	YTD Budget Apr 2022	Variance \$	Variance %
Member services	744,842	934,519	-189,677	-20%
Membership products	502,828	582,200	-79,372	-14%
Membership reporting	179,182	214,415	-35,233	-16%
<b>Total - Membership</b>	<b>1,426,852</b>	<b>1,731,134</b>	<b>-304,282</b>	<b>-18%</b>
Registration services	227,296	235,837	-8,541	-4%
Registry products	710,787	850,416	-139,629	-16%
Policy development	178,472	129,991	48,481	37%
<b>Total - Registry</b>	<b>1,116,555</b>	<b>1,216,244</b>	<b>-99,689</b>	<b>-8%</b>
APNIC conferences	208,554	266,601	-58,047	-22%
Foundation support	-0	30,753	-30,753	-100%
Community engagement	466,740	538,075	-71,335	-13%
Community participation	99,984	134,587	-34,603	-26%
APNIC academy	1,048,580	1,660,791	-612,211	-37%
Internet infrastructure support	172,374	811,307	-638,932	-79%
<b>Total - Development</b>	<b>1,996,232</b>	<b>3,442,113</b>	<b>-1,445,882</b>	<b>-42%</b>
Information products	405,545	445,394	-39,849	-9%
Research and analysis	237,818	347,372	-109,555	-32%
<b>Total - Information</b>	<b>643,362</b>	<b>792,766</b>	<b>-149,404</b>	<b>-19%</b>
Internal technical infrastructure	976,202	1,288,065	-311,864	-24%
Finance and business services	959,350	953,641	5,709	1%
Employee experience	761,096	809,794	-48,697	-6%
Governance	262,997	246,648	16,349	7%
<b>Total - Capability</b>	<b>2,959,645</b>	<b>3,298,148</b>	<b>-338,502</b>	<b>-10%</b>
<b>Total - Expenses</b>	<b>8,142,646</b>	<b>10,480,405</b>	<b>-2,337,759</b>	<b>-22%</b>

Table 4. Expenses by Pillars and Workstreams

#### Activity Summary (Table 4)

This summary includes the activity grouping into pillars and workstreams as outlined in the 2022 Activity Plan.

- Year-to-date April expenses for all Pillars are tracking behind budget.
- The Development Pillar is \$1,445,882 or 42% below budget due to delays in recruiting and onboarding trainers, retained community trainers and other project funded roles associated with project delivery. Project funding has also been reduced for IXP development due to the project being delivered directly by the APNIC Foundation.

A snapshot of year-to-date budget utilization and full year forecast by Pillars is shown below in Figure 3.

A snapshot of year-to-date actual expense vs. year to date budget by Pillars is shown below in Figure 4.

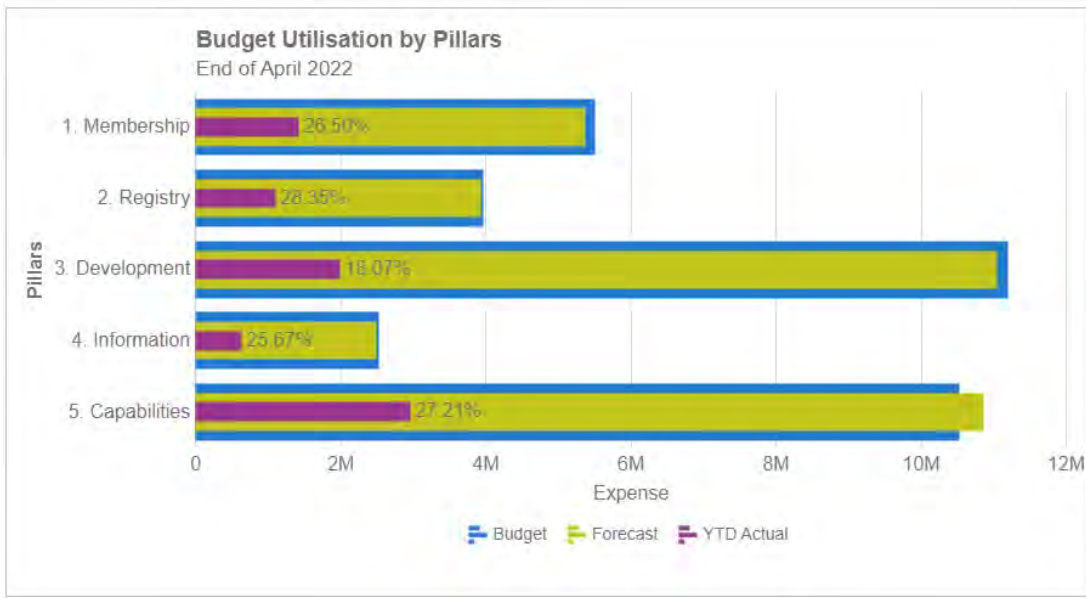


Figure 3. Budget Utilisation by Pillars

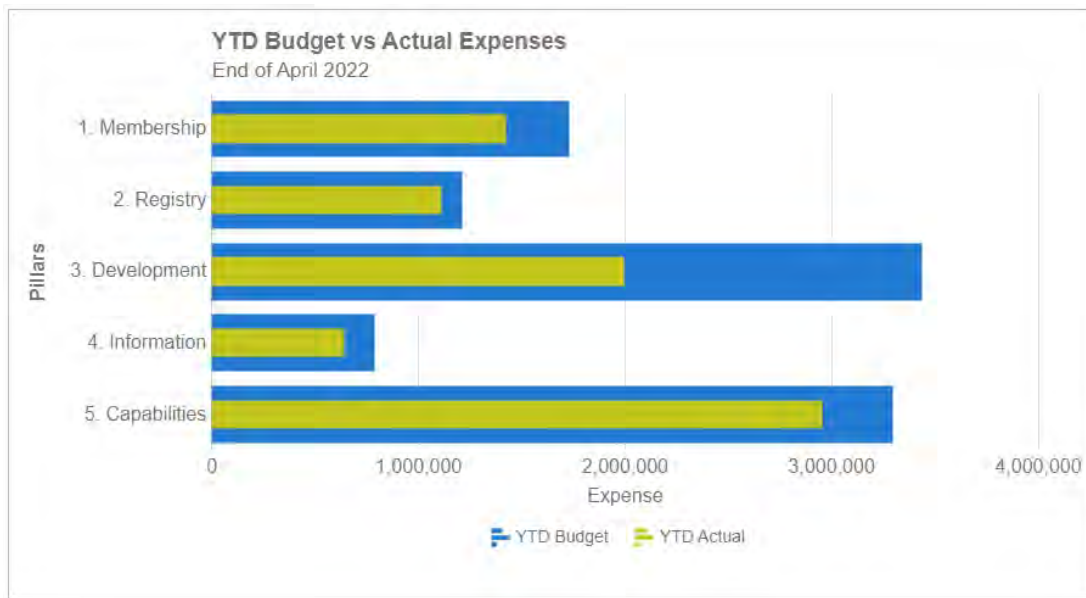


Figure 4. YTD Actual vs. Budget Expenses by Pillars

## 5.2 Capital Expenditure

CAPITAL EXPENSES (AUD)	YTD Actual Apr 2022	YTD Budget Apr 2022	Variance \$	Variance %
Registry products		230,000	-230,000	-100%
<b>Total - Registry</b>		<b>230,000</b>	<b>-230,000</b>	
APNIC conferences	3,054		3,054	
APNIC academy		25,000	-25,000	-100%
Internet infrastructure support		30,000	-30,000	-100%
<b>Total - Development</b>	<b>3,054</b>	<b>55,000</b>	<b>-51,946</b>	<b>-94%</b>
Research and analysis		77,000	-77,000	-100%
<b>Total - Information</b>		<b>77,000</b>	<b>-77,000</b>	<b>-100%</b>
Internal technical infrastructure	52,352	439,500	-387,148	-88%
Finance and business services	5,179	37,500	-32,321	-86%
Employee experience	24,658	347,500	-322,842	-93%
<b>Total - Capability</b>	<b>82,189</b>	<b>824,500</b>	<b>-742,311</b>	<b>-90%</b>
<b>Total - Capital Expenses</b>	<b>85,242</b>	<b>1,186,500</b>	<b>-1,101,258</b>	<b>-93%</b>

Table 5. Capital Expenditure by Pillars and Workstreams

Only those workstreams with a YTD budgeted or actual spend are shown. Workstreams not shown currently have zero budget and actual spend year to date. The capital expenditure budget was prioritized into the first quarter of 2022. Refer to Table 3: Capital Expenditure for further details.

## 6 APNIC Reserve

### 6.1 Cash Flow Statement

This report shows the cash flow status as at the end of April 2022.

Amount (AUD)	YTD Apr 2022
<b>Total Operating Activities</b>	
YTD Net Income	-1,154,944
<b>Total Adjustments to Surplus/ (Deficit)</b>	
Receivables	-797,832
Other Current Asset	-342,926
Accounts Payable	-85,602
Withholding Tax Payable	45,485
Other Current Liability	-1,730,472
<b>Total Adjustments to Surplus/ (Deficit)</b>	<b>-2,911,347</b>
<b>Total Operating Activities</b>	<b>-4,066,291</b>
<b>Total Investing Activities</b>	
Fixed Asset	124,404
Other Asset	2,376,160
<b>Total Investing Activities</b>	<b>2,500,564</b>
<b>Total Financing Activities</b>	
Long Term Liability	36,518
Equity	0
<b>Total Financing Activities</b>	<b>36,518</b>
<b>Net Change in Cash for Period</b>	<b>-1,529,209</b>
<b>Cash at Beginning of Period</b>	<b>11,234,947</b>
<b>Cash at End of Period</b>	<b>9,705,739</b>

Table 6. Cash Flow Statement

#### Cashflow Statement (Table 6)

- \$797,832 increase in receivables due to higher membership invoice issuance in April 2022 compared to December 2021.
- \$342,926 increase in Other Current Asset largely due to increase in prepayments.
- \$1,730,472 decrease in other current liabilities attributed to reductions in accrued expenses and unearned revenue.
- \$2,376,160 decrease in other assets due to the decline in value of investment portfolio.

## 6.2 Capital Reserve

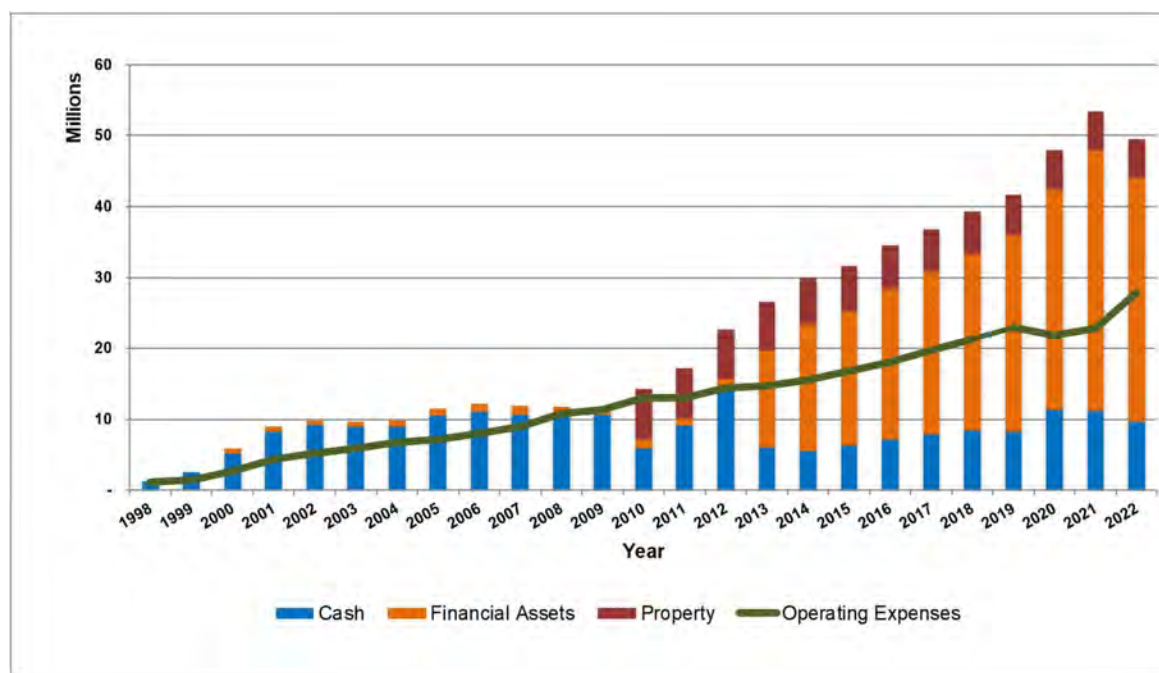


Figure 5. APNIC Reserves

### Capital Reserve (Figure 5)

The Reserve is diversified between Cash Investments, Investment Portfolio, and APNIC Property (i.e. APNIC Office). At the end of April, APNIC maintained \$9,705,739 in cash reserves, \$34,351,967 has been invested in the investment portfolio and \$5,415,888 invested in APNIC Property. Figure 5 above tracks the value and the allocation of these assets over time against the operating expenses for each year for comparison. The decline in the reserve between December 2021 and April 2022 was due to the decrease in cash held and decline in value of the investment portfolio.

## 6.3 APNIC's Equity and Reserves

By comparing the Total Equity (including retained earnings and unrealised gains / losses on the investment portfolio), and the monthly operating expenses based on the actual and budget, excluding APNIC Foundation project expenses for 2022, the number of month's coverage of operational expenses is set out below:

	YTD Apr Equity vs Actual Expenses	YTD Apr Equity vs Budgeted Expenses	Actual 2021*	Actual 2020*	Actual 2019
Total Equity (AUD)	37,690,616	37,690,616	38,845,560	34,176,883	30,724,702
% Equity Covered By Cash/ Cash Equivalents	117%	116%	123%	124%	117%
Monthly Operating Expenses (AUD) *	1,828,575	2,283,484	2,125,305	2,024,419	1,914,554
Number of Months of expenses covered by Equity*	20.61	16.51	18.28	16.88	16.05

Table 7. Equity and Reserves

\* Calculation is based on the average monthly operating expenses of the approved budget, excluding Foundation project expenses, as it better reflects the APNIC operating cost base in a COVID-free course of business.



## 7 Membership

### 7.1 Membership by Category

There were 50 new and reactivated members and 24 account closures in April 2022. Overall net membership growth for the month was 26 members. Year-to-date, there have been:

- 216 new members vs. 268 budgeted new members
- 127 closures vs. 104 budgeted account closures

As at the end of April 2022, APNIC had a total of 8,863 Members serving 53 economies.

Membership	Total Dec 2021	YTD New Apr-22	Reactivation Adjustment	YTD Closed Apr-22	YTD Size Change Apr-22	Total Apr-22	%Total
Extra Large	26	0		0	0	26	0%
Very Large	49	0		-	(2)	47	1%
Large	151	1		-	(1)	151	2%
Medium	548	1		(3)	12	558	6%
Small	3,733	59	2	(64)	17	3,747	42%
Very Small	4,126	145	3	(46)	(33)	4,195	47%
Associate	135	10	1	(14)	7	139	2%
<b>TOTAL</b>	<b>8,768</b>	<b>216</b>	<b>6</b>	<b>(127)</b>	<b>-</b>	<b>8,863</b>	<b>100%</b>

Table 8. Membership by Category

### 7.2 Membership by Economy

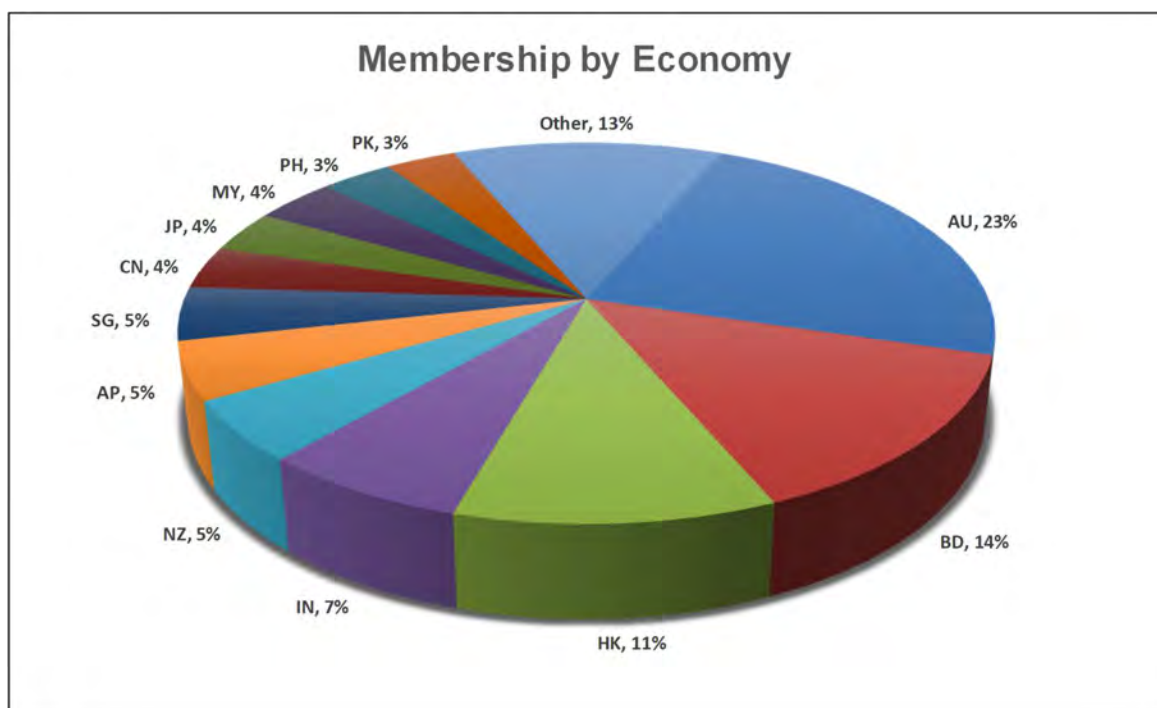


Figure 6. Membership by Economy

### 7.3 Membership Growth

Figure 7 below illustrates APNIC membership monthly movements.

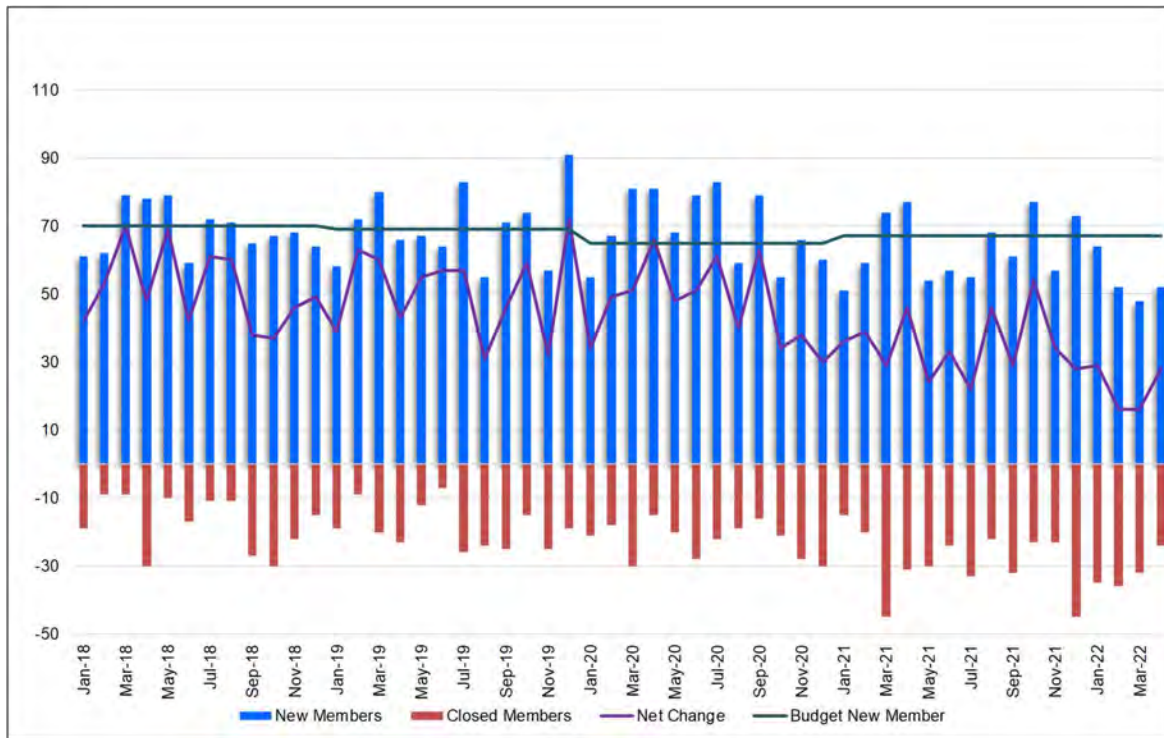


Figure 7. Membership Growth

Figure 8 below illustrates Membership growth by membership tier:

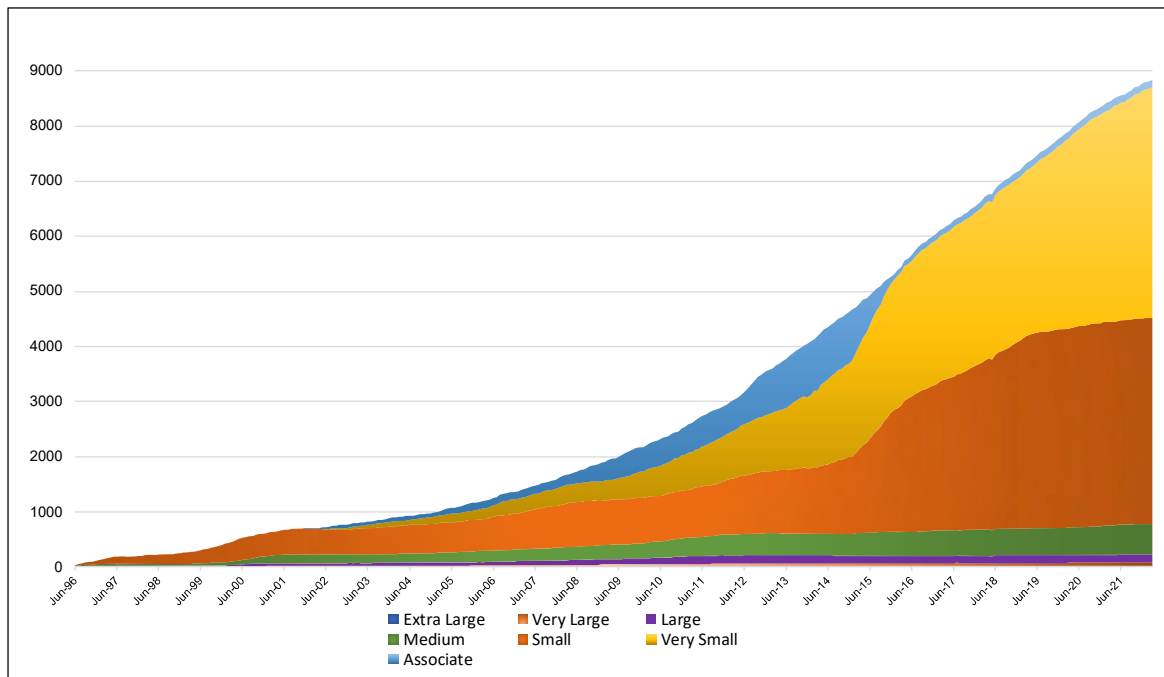


Figure 8. Total Membership

### 7.4 Year-to-Date Membership Movement by Economy

Figure 9 below shows new and closed membership movement by economy as at end of April.

- Top new member economies are Bangladesh, Australia and Pakistan.
- Top closed member economies are Australia, Hong Kong and China.

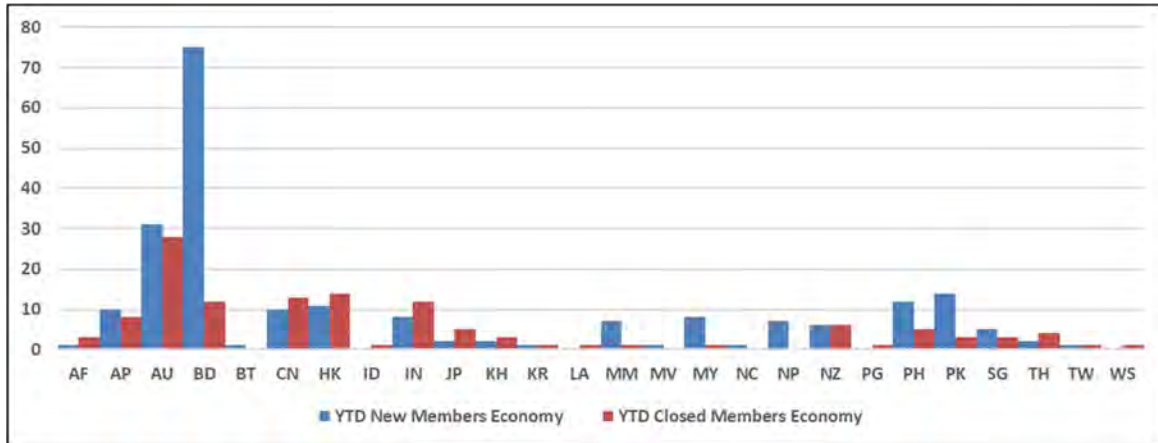


Figure 9. Year-to-Date Membership Movement by Economy

### 7.5 Membership Closures Analysis

Figure 10 below provides an analysis of Membership account closures as at the end of April. 49.6% of the closures relate to accounts closed due to the failure to establish contact, the business is no longer operating, or breach of agreement, where resource holdings are returned to APNIC.

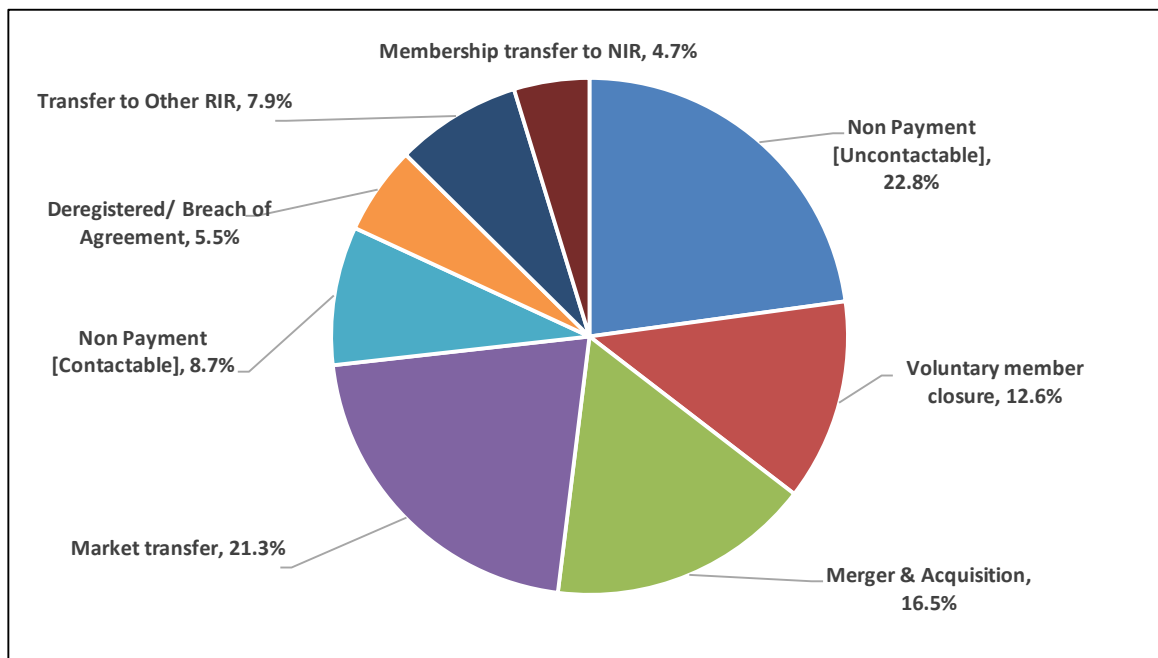


Figure 10. Closure Analysis

## 7.6 Membership Closures by Year Joined

Year Joined	Deregistered/ Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total
2000						1			1
2004					1				1
2006		1							1
2007		1							1
2008					1	1			2
2009				2					2
2010		1		3					4
2011					1		1		2
2012		1		4	4	1		2	12
2013	1	1		3	2		1		8
2014		1		5		1	1	1	9
2015	1	5	1	1	6		1	4	19
2016	1	11	2	3	3		1	3	24
2017		3	1		2		4		10
2018			1		1	2	2		6
2019	1				5		1		7
2020	1		1		2	5	3		12
2021	1	2			1				4
2022	1						1		2
<b>Grand Total</b>	<b>7</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>29</b>	<b>11</b>	<b>16</b>	<b>10</b>	<b>127</b>

Table 9. Membership Closures by Year Joined

## 7.7 Membership Closures by Economy

Economy	Deregistered/ Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total	IPv4 Resources Reclaimed (/24's)	IPv6 Resources Reclaimed (/32's)	ASN Reclaimed
AF					2		1		3	5	1	5
AP	1	1			2		1	3	8		5	9
AU		6		11	1	3	4	3	28	25	8	9
BD	1	7			1	1		2	12	3	5	14
CN	1	6			4	1		1	13	29	9	6
HK	3	3		1	5	1	1		14	60	9	15
ID			1						1			1
IN		2	5	2		2	1		12	3	4	4
JP				2	3				5	12		
KH					1		2		3	8	1	3
KR	1								1	8	1	
LA					1				1	4		1
MM					1				1	1	0	1
MY				1					1			
NZ		1		1	1		3		6	7	4	4
PG							1		1	2		1
PH					3	1		1	5	7	0	3
PK		1				1	1		3	4	2	2
SG				1	2				3	2	0	1
TH				1	1	1	1		4	3	0	3
TW				1					1			2
WS					1				1	8	1	1
<b>Grand Total</b>	<b>7</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>29</b>	<b>11</b>	<b>16</b>	<b>10</b>	<b>127</b>	<b>191</b>	<b>50</b>	<b>85</b>

Table 10. Membership Closures by Economy



Private Banking

## **Investment Report 1.4.2022 – 30.4.2022**

**APNIC PTY LTD**

Portfolio Group: 3000039

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Private Banking

## Investment Report 1.4.2022 – 30.4.2022

**Portfolio Group**            **3000039**

In the Name of            APNIC PTY LTD

Produced on                12.5.2022  
Reporting Currency        AUD

Relationship Manager      Patrick Armitage  
Phone                        +61 2 8205 4451

APNIC PTY LTD  
PO BOX 3646  
SOUTH BRISBANE, QLD 4101  
AUSTRALIA

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**Scope of Analysis**

as of 30.4.2022

Components	Portfolio	Asset Value in AUD	Discretionary Mandate	Opened	Closed	Performance Activation	Performance Deactivation
Portfolio Group: 3000039							
<b>Investment related Positions</b>							
AUD Portfolio	3000039-10	0		16.08.2013		31.12.2013	
AUD Portfolio	3000039-70	34,316,384	Yes	16.08.2013		31.12.2013	
<b>Total Investments</b>		<b>34,316,384</b>					
<b>Total Wealth</b>		<b>34,316,384</b>					

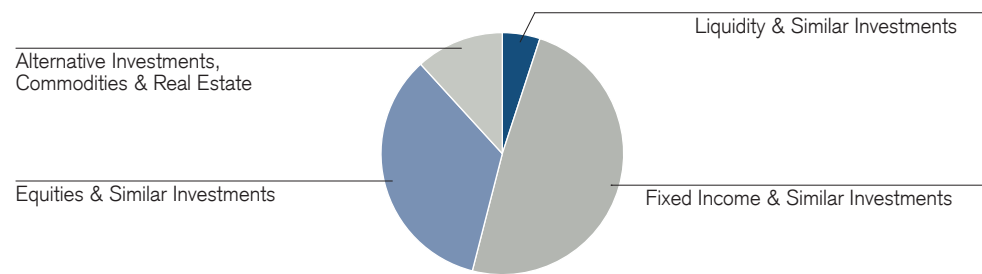
# 1. Overview

## 1.1. Asset Allocation

### Asset Allocation by Asset Category

Period 1.4.2022 - 30.4.2022

	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ Liquidity & Similar Investments	1,937,194	-215,745	1,721,449	5.02%
■ Fixed Income & Similar Investments	18,342,058	-1,539,779	16,802,279	48.96%
■ Equities & Similar Investments	10,749,161	1,008,517	11,757,678	34.26%
■ Alternative Investments, Commodities & Real Estate	3,834,236	200,741	4,034,978	11.76%
<b>Total Investments</b>	<b>34,862,649</b>		<b>34,316,384</b>	<b>100.00%</b>

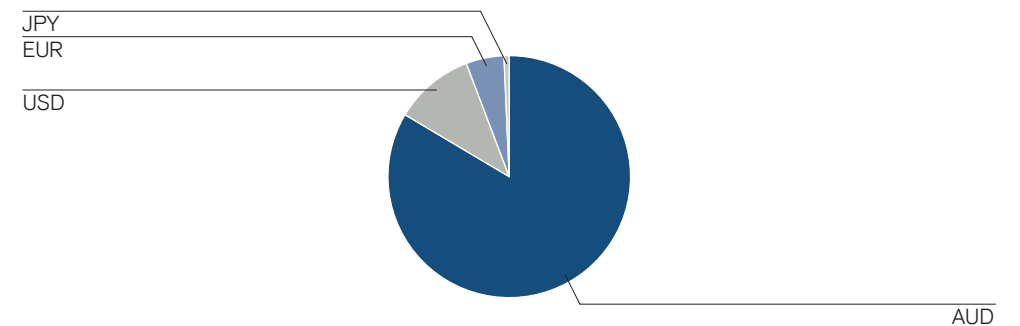


Investments in %

### Asset Allocation by Currency

Period 1.4.2022 - 30.4.2022

	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ AUD - Australian Dollar	29,495,075	-823,199	28,671,876	83.55%
■ USD - US Dollar	3,273,794	397,569	3,671,362	10.70%
■ EUR - Euro	1,704,513	28,075	1,732,588	5.05%
■ JPY - Japan Yen	389,255	-148,710	240,545	0.70%
■ GBP - Pound Sterling	12	0	12	
<b>Total Investments</b>	<b>34,862,649</b>		<b>34,316,384</b>	<b>100.00%</b>



Investments in %

## 1.2. Income and Activity

### Income Summary

Period 1.4.2022 - 30.4.2022

	Current Period in AUD	Year to Date in AUD
Cash Dividend	52,515	209,398
Coupon Received/Paid	0	-601
Interest Earned	1	25
Interest Paid	0	-15
<b>Net Income</b>	<b>52,516</b>	<b>208,808</b>

### Activity Summary

Period 1.4.2022 - 30.4.2022

	Current Period in AUD	Year to Date in AUD
Asset Inflows	0	0
Asset Outflows	0	0
<b>Net Investment Asset Flows</b>	<b>0</b>	<b>0</b>

### 1.3. Performance

#### Performance Summary

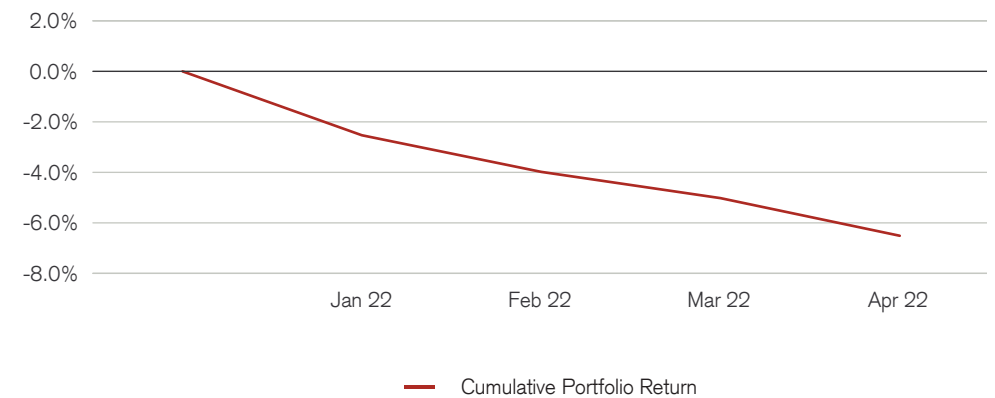
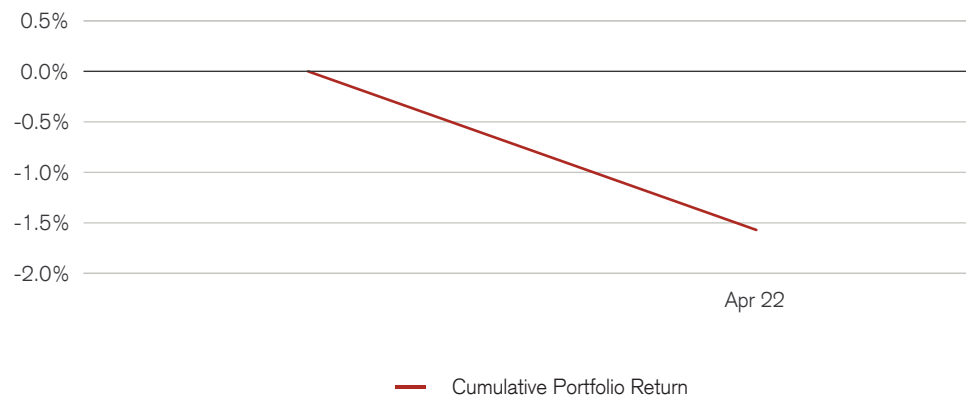
Period 1.4.2022 - 30.4.2022

	Asset Value in AUD	Asset Value in AUD
Ending Market Value		34,316,384
Beginning Market Value		34,862,649
Asset Flows including		0
Inflows	0	
Outflows	0	
Net Non-Investment Flows	0	
Taxes	0	
Flow Adjusted Value Change		-546,265
<b>Cumulative Portfolio Return – net</b>		<b>-1.57%</b>

#### Performance Year-to-date

Period 1.1.2022 - 30.4.2022

	Asset Value in AUD	Asset Value in AUD
Ending Market Value		34,316,384
Beginning Market Value		36,710,697
Asset Flows including		-4,892
Inflows	0	
Outflows	0	
Net Non-Investment Flows	0	
Taxes	-4,892	
Flow Adjusted Value Change		-2,389,421
<b>Cumulative Portfolio Return – net</b>		<b>-6.51%</b>



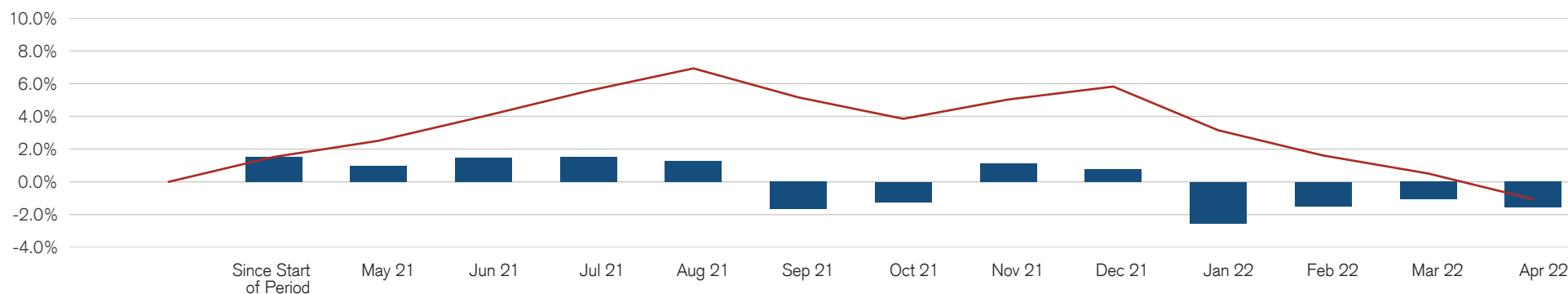
## 2. Analyses

### 2.1. Performance

#### Performance Details

Period 1.4.2021 - 30.4.2022

	Since Start of Period	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Jan 22	Feb 22	Mar 22	Apr 22
Ending Market Value	31,342,012	31,647,449	33,118,359	33,615,539	35,059,695	34,474,900	36,030,271	36,438,632	36,710,697	35,783,036	35,249,681	34,862,649	34,316,384
Beginning Market Value	30,873,178	31,342,012	31,647,449	33,118,359	33,615,539	35,059,695	34,474,900	36,030,271	36,438,632	36,710,697	35,783,036	35,249,681	34,862,649
Asset Flows including	0	0	995,730	0	1,000,000	-4,620	2,000,000	0	-4,869	0	0	-4,892	0
Inflows	0	0	1,000,000	0	2,000,000	0	4,000,000	0	0	0	0	0	0
Outflows	0	0	0	0	-1,000,000	0	-2,000,000	0	0	0	0	0	0
Net Non-Investment Flows	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxes	0	0	-4,270	0	0	-4,620	0	0	-4,869	0	0	-4,892	0
Flow Adjusted Value Change	468,835	305,436	475,180	497,180	444,156	-580,175	-444,629	408,361	276,934	-927,660	-533,356	-382,140	-546,265
<b>■ Portfolio Return – net</b>	<b>1.52%</b>	<b>0.97%</b>	<b>1.46%</b>	<b>1.50%</b>	<b>1.29%</b>	<b>-1.65%</b>	<b>-1.24%</b>	<b>1.13%</b>	<b>0.76%</b>	<b>-2.53%</b>	<b>-1.49%</b>	<b>-1.08%</b>	<b>-1.57%</b>
<b>— Cumulative Portfolio Return</b>	<b>1.52%</b>	<b>2.51%</b>	<b>4.00%</b>	<b>5.56%</b>	<b>6.93%</b>	<b>5.16%</b>	<b>3.85%</b>	<b>5.03%</b>	<b>5.82%</b>	<b>3.15%</b>	<b>1.61%</b>	<b>0.51%</b>	<b>-1.06%</b>



## 2.2. Contribution Analysis

### Multi-Period Contribution by Asset Category in % as of 30.4.2022

	Month To Date	Quarter To Date	Year To Date	1 Year	Current Period
Liquidity & Similar Investments	-0.01	-0.01	-0.16	-0.44	-0.01
Fixed Income & Similar Investments	-1.01	-1.01	-4.28	-4.24	-1.01
Equities & Similar Investments	-0.61	-0.61	-1.36	1.55	-0.61
Alternative Investments, Commodities & Real Estate	0.07	0.07	-0.70	0.58	0.07
<b>Total – net ***</b>	<b>-1.57</b>	<b>-1.57</b>	<b>-6.51</b>	<b>-2.54</b>	<b>-1.57</b>

### Multi-Period Contribution by Currency in % as of 30.4.2022

	Month To Date	Quarter To Date	Year To Date	1 Year	Current Period
AUD - Australian Dollar	-1.13	-1.13	-4.92	-2.79	-1.13
USD - US Dollar	-0.21	-0.21	-0.81	0.37	-0.21
EUR - Euro	-0.15	-0.15	-0.61	0.04	-0.15
JPY - Japan Yen	-0.07	-0.07	-0.18	-0.20	-0.07
GBP - Pound Sterling	-	-	0.01	0.04	-
<b>Total – net ***</b>	<b>-1.57</b>	<b>-1.57</b>	<b>-6.51</b>	<b>-2.54</b>	<b>-1.57</b>

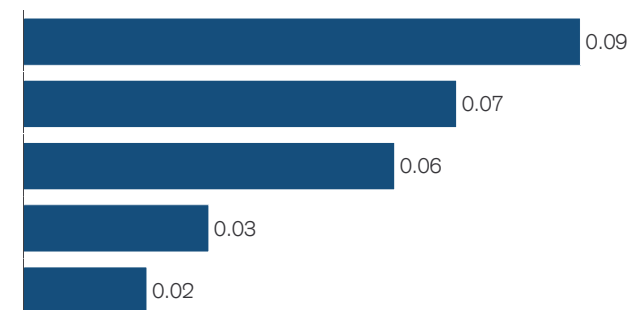
\*\*\* If applicable, fees charged in the relevant currency will be deducted from the cash account contribution, which is part of the Liquidity & Similar Investments asset category.

### 2.3. Contribution - Top Contributors & Detractors

#### Top Contributors in %

as of 30.4.2022

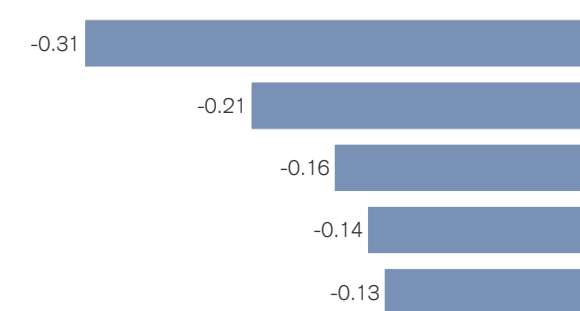
	Total Return	Average Weight	Contribution
STAPLED SECURITY GOODMAN GROUP	4.76	1.82	0.09
UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN	6.68	1.13	0.07
ACCUM SHS -I- HEDGED AUD PGIM FUNDS PLC - PGIM WADHWANI KEYNES SYSTEMATIC ABSOLUTE RETURN FUND	2.91	2.10	0.06
REGISTERED SHS AURIZON HOLDINGS LTD	9.21	0.39	0.03
REGISTERED SHS CSL LTD	2.46	0.91	0.02
<b>Total – net ***</b>		<b>6.34</b>	<b>0.27</b>



#### Top Detractors in %

as of 30.4.2022

	Total Return	Average Weight	Contribution
UNITS WESTERN ASSET AUSTRALIAN BOND FUND CLASS -A-	-1.67	18.71	-0.31
UNITS PERPETUAL ACTIVE FIXED INTEREST FUND	-1.65	12.59	-0.21
ACCUM SHS -1C- USD XTRACKERS (IE) PLC - XTRACKERS MSCI USA UCITS ETF	-3.91	3.95	-0.16
SHS -CH- ROBECO CAPITAL GROWTH FUNDS SICAV - ROBECOSAM GLOBAL SDG CREDITS DISTRIBUTION	-4.95	2.85	-0.14
REGISTERED SHS BHP GROUP LTD	-7.09	1.83	-0.13
<b>Total – net ***</b>		<b>39.93</b>	<b>-0.95</b>



\*\*\* If applicable, fees charged in the relevant currency will be deducted from the cash account contribution, which is part of the Liquidity &amp; Similar Investments asset category.

### 3. Positions

#### 3.1. Investment Related Positions

as of 30.4.2022

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss		P/L Unreal. in % Instr. in % FX in %
						Unrealized in AUD of which Instrument of which Forex		
<b>Liquidity &amp; Similar Investments</b>								
<b>Accounts</b>								
AUD	1,720,678.14	Current Account -20300003970945 AUD Portfolio: 3000039-70	1.0000		1,720,678			
						5.01%		
GBP	6.99	Current Account -20300003970089 AUD Portfolio: 3000039-70	1.0000 1.8598 GBP/AUD		12		-1	-5.62%
							-1	-5.62%
USD	542.11	Current Account -20300003970780 AUD Portfolio: 3000039-70	1.0000 0.7143 AUD/USD		759			
<b>Total Liquidity &amp; Similar Investments</b>					<b>1,721,449</b>	<b>0</b>	<b>5.02%</b>	
<b>Fixed Income &amp; Similar Investments</b>								
<b>Fixed Income &amp; Similar Investments AUD</b>								
AUD	715,000	0.25 % BONDS COMMONWEALTH OF AUSTRALIA 2019-21.11.24 SERIES 159 Duration: 2.9826 / Rating: Moody's Aaa Yield to Maturity: 1.00% AUD Portfolio: 3000039-70	AU0000083768 54194735	96.0710%	93.9500% BID 29.04.2022	672,526 784 1.96%	-15,165 -15,165	-2.21% -2.21%
AUD	865,756.25	UNITS -D- ISHARES AUSTRALIAN BOND INDEX FUND AUD Portfolio: 3000039-70	AU60BGL01056 2244170	1.0395	0.9396 NAV 29.04.2022	813,487 2.37%	-86,424 -86,424	-9.60% -9.60%



Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD 4,586,458.11420	UNITS PERPETUAL ACTIVE FIXED INTEREST FUND AUD Portfolio: 3000039-70	AU60PER02627 35661784	1.0475	0.9407 NAV 29.04.2022	4,314,334 12.57%	-490,127 -490,127	-10.20% -10.20%
AUD 5,545,229.3421	UNITS WESTERN ASSET AUSTRALIAN BOND FUND CLASS -A- AUD Portfolio: 3000039-70	AU60SSB01221 2248336	1.2576	1.1554 NAV 29.04.2022	6,407,180 18.67%	-566,625 -566,625	-8.13% -8.13%
AUD 49,678	SHS -I- AUD NEUBERGER BERMAN INVESTMENT FUNDS PLC - NEUBERGER BERMAN EMERGING MARKET DEBT - HARD CURRENCY FUND AUD Portfolio: 3000039-70	IE00B986FB81 53616359	10.6287	8.6000 NAV 29.04.2022	427,231 1.24%	-100,782 -100,782	-19.09% -19.09%
AUD 338,211	SHS -L3- HEDGED AUD FEDERATED HERMES INVESTMENT FUNDS PLC - FEDERATED HERMES GLOBAL HIGH YIELD CREDIT FUND AUD Portfolio: 3000039-70	IE00BMZ15N91 57259812	3.0819	2.8356 NAV 29.04.2022	959,031 2.79%	-83,309 -83,309	-7.99% -7.99%
AUD 9,599	UNITS SHS HEDGED AUD MUZINICH FUNDS - MUZINICH EMERGING MARKET CORPORATE DEBT FUND AUD Portfolio: 3000039-70	IE00BNC55647 110844223	97.4683	85.7900 NAV 29.04.2022	823,498 2.40%	-112,100 -112,100	-11.98% -11.98%
AUD 11,116	SHS -CH- ROBECO CAPITAL GROWTH FUNDS SICAV - ROBECOSAM GLOBAL SDG CREDITS DISTRIBUTION AUD Portfolio: 3000039-70	LU2207422291 56320962	99.0605	86.3200 NAV 29.04.2022	959,533 2.80%	-141,624 -141,624	-12.86% -12.86%
AUD 9,119	SHS -EAH- CS INVESTMENT FUNDS 1 SICAV - CREDIT SUISSE (LUX) GLOBAL INFLATION LINKED BOND FUND DISTRIBUTION AUD Portfolio: 3000039-70	LU2407926216 114771252	100.0000	99.0800 NAV 29.04.2022	903,511 2.63%	-8,389 -8,389	-0.92% -0.92%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	25,916	SHS -IX- NINETY ONE GLOBAL STRATEGY FUND SICAV - EMERGING MARKETS LOCAL CURRENCY TOTAL RETURN DEBT FUND DISTRIBUTION AUD Portfolio: 3000039-70	LU2445645851 117293159	19.9500	20.1400 NAV 29.04.2022	521,948  1.52%	4,924 4,924 0.95%
<b>Total Fixed Income &amp; Similar Investments</b>					<b>16,802,279</b>	<b>784</b>	<b>48.96%</b>
<b>Equities &amp; Similar Investments</b>							
<b>Equities &amp; Similar Investments AUD</b>							
AUD	6,126	REGISTERED SHS AUSTRALIA & NEW ZEALAND BANKING GROUP LTD AUD Portfolio: 3000039-70	AU000000ANZ3 640139 ANZ.AX	28.2539	27.3000 CLO 29.04.2022	167,240  0.49%	-5,844 -5,844 -3.38%
AUD	33,641	REGISTERED SHS ALUMINA LTD AUD Portfolio: 3000039-70	AU000000AWC3 1526402 AWC.AX	1.9144	1.8100 CLO 29.04.2022	60,890  0.18%	-3,511 -3,511 -5.45%
AUD	34,858	REGISTERED SHS AURIZON HOLDINGS LTD AUD Portfolio: 3000039-70	AU000000AZJ1 20175896 AZJ.AX	4.5903	4.0300 CLO 29.04.2022	140,478  0.41%	-19,530 -19,530 -12.21%
AUD	12,758	REGISTERED SHS BHP GROUP LTD AUD Portfolio: 3000039-70	AU000000BHP4 640390 BHP.AX	36.9279	48.0100 CLO 29.04.2022	612,512  1.78%	141,386 141,386 30.01%
AUD	2,799	REGISTERED SHS CARSALES.COM LTD AUD Portfolio: 3000039-70	AU000000CAR3 10476764 CAR.AX	16.4680	21.3800 CLO 29.04.2022	59,843  0.17%	13,749 13,749 29.83%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	2,870 REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA AUD Portfolio: 3000039-70	AU000000CBA7 646758 CBA.AX	81.5356	103.8800 CLO 29.04.2022	298,136 0.87%	64,128 64,128	27.40% 27.40%
AUD	6,140 REGISTERED SHS COMPUTERSHARE LTD AUD Portfolio: 3000039-70	AU000000CPU5 241285 CPU.AX	16.0032	25.3300 CLO 29.04.2022	155,526 0.45%	57,267 57,267	58.28% 58.28%
AUD	1,173 REGISTERED SHS CSL LTD AUD Portfolio: 3000039-70	AU000000CSL8 241548 CSL.AX	178.5819	273.3000 CLO 29.04.2022	320,581 0.93%	111,104 111,104	53.04% 53.04%
AUD	2,504 REGISTERED SHS FLIGHT CENTRE TRAVEL GROUP LTD AUD Portfolio: 3000039-70	AU000000FLT9 90307 FLT.AX	19.0671	22.5900 CLO 29.04.2022	56,565 0.16%	8,821 8,821	18.48% 18.48%
AUD	849 CHESS UNITS OF FOREIGN SECURITIES JAMES HARDIE INDUSTRIES PLC AUD Portfolio: 3000039-70	AU000000JHX1 1303670 JHX.AX	27.0838	41.5400 CLO 29.04.2022	35,267 0.10%	12,273 12,273	53.38% 53.38%
AUD	330 REGISTERED SHS MACQUARIE GROUP LTD AUD Portfolio: 3000039-70	AU000000MQG1 3422370 MQG.AX	85.9818	206.9800 CLO 29.04.2022	68,303 0.20%	39,929 39,929	140.73% 140.73%
AUD	8,982 REGISTERED SHS NATIONAL AUSTRALIA BANK LTD AUD Portfolio: 3000039-70	AU000000NAB4 641643 NAB.AX	24.5148	32.6300 CLO 29.04.2022	293,083 0.85%	72,891 72,891	33.10% 33.10%
AUD	4,479 REGISTERED SHS NEWCREST MINING LTD AUD Portfolio: 3000039-70	AU000000NCM7 650853 NCM.AX	27.6429	26.8800 CLO 29.04.2022	120,396 0.35%	-3,417 -3,417	-2.76% -2.76%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	19,096 REGISTERED SHS NINE ENTERTAINMENT CO. HOLDINGS LTD AUD Portfolio: 3000039-70	AU000000NEC4 22858707 NEC.AX	2.8159	2.6900 CLO 29.04.2022	51,368 0.15%	-2,404 -2,404	-4.47% -4.47%
AUD	9,661 REGISTERED SHS ORIGIN ENERGY LTD AUD Portfolio: 3000039-70	AU000000ORG5 1051439 ORG.AX	7.5195	6.8400 CLO 29.04.2022	66,081 0.19%	-6,564 -6,564	-9.04% -9.04%
AUD	1,810 REGISTERED SHS OZ MINERALS LTD AUD Portfolio: 3000039-70	AU000000OZL8 4334812 OZL.AX	10.7556	25.0000 CLO 29.04.2022	45,250 0.13%	25,782 25,782	132.44% 132.44%
AUD	17,180 REGISTERED SHS QANTAS AIRWAYS LTD AUD Portfolio: 3000039-70	AU000000QAN2 390413 QAN.AX	5.6657	5.6000 CLO 29.04.2022	96,208 0.28%	-1,128 -1,128	-1.16% -1.16%
AUD	7,561 REGISTERED SHS QBE INSURANCE GROUP LTD AUD Portfolio: 3000039-70	AU000000QBE9 641857 QBE.AX	11.5604	12.3200 CLO 29.04.2022	93,152 0.27%	5,743 5,743	6.57% 6.57%
AUD	1,646 REGISTERED SHS RIO TINTO LTD AUD Portfolio: 3000039-70	AU000000RIO1 603520 RIO.AX	76.5155	112.8300 CLO 29.04.2022	185,718 0.54%	59,774 59,774	47.46% 47.46%
AUD	2,410 SHS RESMED INC CHESS DEPOSITORY INTERESTS REPR 1/10 SH AUD Portfolio: 3000039-70	AU000000RMD6 1058638 RMD.AX	23.6564	29.1400 CLO 29.04.2022	70,227 0.20%	13,215 13,215	23.18% 23.18%
AUD	19,650 REGISTERED SHS SOUTH32 LTD AUD Portfolio: 3000039-70	AU000000S320 27547963 S32.AX	2.6985	4.7700 CLO 29.04.2022	93,731 0.27%	40,704 40,704	76.76% 76.76%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	76,774 UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND AUD Portfolio: 3000039-70	AU000000SLF1 1377855 SLF.AX	12.5989	13.3700 CLO 29.04.2022	1,026,468 2.99%	59,201 59,201	6.12% 6.12%
AUD	13,794 UNITS SPDR S&P/ASX 200 FUND ETF AUSTRALIAN EQUITY EXCHANGE TRADED FUNDS AUD Portfolio: 3000039-70	AU000000STW9 1285707 STW.AX	66.8276	69.0400 CLO 29.04.2022	952,338 2.78%	30,518 30,518	3.31% 3.31%
AUD	14,246 REGISTERED SHS TELSTRA CORPORATION LTD AUD Portfolio: 3000039-70	AU000000TLS2 720464 TLS.AX	4.5550	4.0400 CLO 29.04.2022	57,554 0.17%	-7,337 -7,337	-11.31% -11.31%
AUD	3,230 SHS VANGUARD MSCI AUSTRALIAN SMALL COMPANIES INDEX ETF EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU000000VSO2 13053435 VSO.AX	60.3498	70.6500 CLO 29.04.2022	228,200 0.66%	33,270 33,270	17.07% 17.07%
AUD	9,974 REGISTERED SHS WESTPAC BANKING CORP AUD Portfolio: 3000039-70	AU000000WBC1 642372 WBC.AX	26.9089	23.8700 CLO 29.04.2022	238,079 0.69%	-30,310 -30,310	-11.29% -11.29%
AUD	1,031 REGISTERED SHS WESFARMERS LTD AUD Portfolio: 3000039-70	AU000000WES1 642397 WES.AX	34.0342	49.4100 CLO 29.04.2022	50,942 0.15%	15,852 15,852	45.18% 45.18%
AUD	3,593 REGISTERED SHS WORLEY LTD AUD Portfolio: 3000039-70	AU000000WOR2 1524357 WOR.AX	12.3553	13.9100 CLO 29.04.2022	49,979 0.15%	5,586 5,586	12.58% 12.58%
AUD	2,499 REGISTERED SHS WOOLWORTHS GROUP LTD AUD Portfolio: 3000039-70	AU000000WOW2 81350 WOW.AX	34.1257	38.5100 CLO 29.04.2022	96,236 0.28%	10,956 10,956	12.85% 12.85%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	4,372 REGISTERED SHS WOODSIDE PETROLEUM LTD AUD Portfolio: 3000039-70	AU000000WPL2 642429 WPL.AX	27.6704	31.1500 CLO 29.04.2022	136,188 0.40%	15,213 15,213	12.58% 12.58%
AUD	7,762 REGISTERED SHS COLES GROUP LTD AUD Portfolio: 3000039-70	AU0000030678 44059594 COL.AX	16.9597	18.7000 CLO 29.04.2022	145,149 0.42%	13,508 13,508	10.26% 10.26%
AUD	1,983 UNITS VANGUARD ETHICALLY CONSCIOUS AUST ETF EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU0000103533 57145371 VETH.AX	60.1201	59.6000 CLO 29.04.2022	118,187 0.34%	-1,031 -1,031	-0.87% -0.87%
AUD	4,018 REGISTERED SHS ENDEAVOUR GROUP LTD AUD Portfolio: 3000039-70	AU0000154833 111541385 EDV.AX	0.5888	7.8000 CLO 29.04.2022	31,340 0.09%	28,975 28,975	>999.99% >999.99%
AUD	120,188.3237 UNITS WHEB SUSTAINABLE IMPACT FUND AUD Portfolio: 3000039-70	AU60HHA00072 4431395	1.5472	1.3638 BID 29.04.2022	163,913 0.48%	-22,046 -22,046	-11.86% -11.86%
AUD	62,841.8135 UNITS EIGER AUSTRALIAN SMALL COMPANIES FUND AUD Portfolio: 3000039-70	AU60HOW29675 112847137	1.7805	1.5009 NAV 29.04.2022	94,319 0.27%	-17,568 -17,568	-15.70% -15.70%
AUD	29,657.9379 UNITS PERENNIAL BETTER FUTURE TRUST AUD Portfolio: 3000039-70	AU60WPC56007 112127492	1.5041	1.3590 NAV 29.04.2022	40,305 0.12%	-4,303 -4,303	-9.65% -9.65%
<b>Total Equities &amp; Similar Investments AUD</b>					<b>6,519,751 0 19.00%</b>		

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
<b>Equities &amp; Similar Investments EUR</b>							
EUR	8,672	SHS EUR ISHARES II PLC - ISHARES CORE MSCI EUROPE UCITS ETF AUD Portfolio: 3000039-70	IE00B1YZSC51 3246398 IQQY.DE	27.1155 1.5166 EUR/AUD	28.1650 CLO 29.04.2022	360,582 1.05%	3,967 13,436 -9,469 1.11% 3.87% -2.76%
EUR	7,210	ACCUM.PTG.SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON STRATEGIC EUROPEAN EQUITY FUND CLASS -N- UNHEDGED EUR AUD Portfolio: 3000039-70	IE00B9DPD161 20938626	15.8682 1.5372 EUR/AUD	22.7398 NAV 29.04.2022	242,045 0.71%	66,179 73,142 -6,963 37.63% 43.30% -5.67%
EUR	25,880	ACCUM SHS -1C- USD XTRACKERS(IE)PLC - XTRACKERS MSCI WORLD ESG UCITS ETF AUD Portfolio: 3000039-70	IE00BZ02LR44 41359963 XZWO.DE	27.7044 1.5414 EUR/AUD	29.5750 SET 29.04.2022	1,129,962 3.29%	24,759 71,468 -46,709 2.24% 6.75% -4.51%
<b>Total Equities &amp; Similar Investments EUR</b>					<b>1,732,588</b>	<b>0</b>	<b>5.05%</b>
<b>Equities &amp; Similar Investments JPY</b>							
JPY	800	UNITS NEXT FUNDS NIKKEI 225 EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	JP3027650005 1264151 1321.T	25,375.1038 81.6809 AUD/JPY	27,970.0000 CLO 28.04.2022	240,545 0.70%	-7,984 22,316 -30,301 -3.21% 10.23% -13.44%
<b>Total Equities &amp; Similar Investments JPY</b>					<b>240,545</b>	<b>0</b>	<b>0.70%</b>
<b>Equities &amp; Similar Investments USD</b>							
USD	71	ACCUM.PTG.SHS ISHARES VII PLC - ISHARES NASDAQ 100 UCITS ETF USD AUD Portfolio: 3000039-70	IE00B53SZB19 10737617 CSNDX.S	348.3821 0.7807 AUD/USD	747.0000 CLO 29.04.2022	74,256 0.22%	42,573 39,625 2,948 134.37% 114.42% 19.95%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %	
USD	8,712	ACCUM SHS -1C- USD XTRACKERS (IE) PLC - XTRACKERS MSCI USA UCITS ETF AUD Portfolio: 3000039-70	IE00BJ0KDR00 24268896 XD9U.L	105.7350 0.7245 AUD/USD	119.1000 CLO 29.04.2022	1,452,712 4.23%	181,208 163,019 18,189	14.25% 12.64% 1.61%
USD	26,998	SHS -R (ACC.)- GOLDMAN SACHS FUNDS SICAV - GOLDMAN SACHS EMERGING MARKETS EQUITY PORTFOLIO CAPITALISATION AUD Portfolio: 3000039-70	LU0830622741 19578737	16.3327 0.7203 AUD/USD	15.7700 NAV 29.04.2022	596,092 1.74%	-16,087 -21,270 5,183	-2.63% -3.45% 0.82%
USD	1,985	SHS ISHARES GLOBAL HEALTHCARE ETF AUD Portfolio: 3000039-70	US4642873255 1352444 IXJ.P	86.8369 0.7294 AUD/USD	83.5800 CLO 29.04.2022	232,280 0.68%	-4,027 -9,051 5,024	-1.70% -3.75% 2.05%
USD	8,932	SHS ISHARES ESG AWARE MSCI EM ETF AUD Portfolio: 3000039-70	US46434G8630 33080862 ESGE.OQ	42.7455 0.7365 AUD/USD	34.3300 CLO 29.04.2022	429,311 1.25%	-89,092 -105,240 16,148	-17.19% -19.69% 2.50%
USD	3,161	SHS ISHARES ESG AWARE MSCI USA SMALL-CAP ETF AUD Portfolio: 3000039-70	US46435U6635 41349509 ESML.Z	41.6890 0.7285 AUD/USD	34.7200 CLO 29.04.2022	153,658 0.45%	-27,227 -30,842 3,615	-15.05% -16.72% 1.66%
USD	566	TRUST UNITS SPDR S&P 500 ETF TRUST AUD Portfolio: 3000039-70	US78462F1030 45088 SPY.P	265.5437 0.7544 AUD/USD	412.0000 CLO 29.04.2022	326,485 0.95%	127,250 116,058 11,192	63.87% 55.15% 8.72%
<b>Total Equities &amp; Similar Investments USD</b>						<b>3,264,793</b>	<b>0</b>	<b>9.51%</b>
<b>Total Equities &amp; Similar Investments</b>						<b>11,757,678</b>	<b>0</b>	<b>34.26%</b>



Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
<b>Alternative Investments, Commodities &amp; Real Estate</b>							
<b>Hedge Funds</b>							
AUD	541,964.01	UNITS BLACKROCK GLOBAL ALLOCATION FUND (AUST) CLASS -D- WHOLESALE AUD Portfolio: 3000039-70	AU60MAL00181 3379478	1.2351	1.1184 NAV 29.04.2022	606,120 -63,277 1.77%	-9.45% -63,277 -9.45%
AUD	6,256	ACCUM SHS -I- HEDGED AUD PGIM FUNDS PLC - PGIM WADHWANI KEYNES SYSTEMATIC ABSOLUTE RETURN FUND AUD Portfolio: 3000039-70	IE00BKV41X02 54282717	106.6533	116.8270 NAV 29.04.2022	730,870 63,646 2.13%	9.54% 63,646 9.54%
AUD	3,203	PTG.SHS LEGG MASON GLOBAL FUNDS PLC - LEGG MASON WESTERN ASSET MACRO OPPORTUNITIES BOND FUND PREMIER CLASS DISTRIBUTING (S) HEDGED AUD AUD Portfolio: 3000039-70	IE00BYQZZ17 28828240	103.6336	88.3800 NAV 29.04.2022	283,081 -48,857 0.82%	-14.72% -48,857 -14.72%
AUD	1,941	SHS -D2 HEDGED- BLACKROCK STRATEGIC FUNDS SICAV - BLACKROCK EMERGING COMPANIES ABSOLUTE RETURN FUND CAPITALISATION AUD Portfolio: 3000039-70	LU2402058403 114466865	98.2200	80.6400 NAV 29.04.2022	156,522 -34,123 0.46%	-17.90% -34,123 -17.90%
AUD	1,706	SHS -B- LUMYNA-MARSHALL WACE UCITS SICAV - LUMYNA - MW ESG (MARKET NEUTRAL) TOPS UCITS FUND CAPITALISATION AUD Portfolio: 3000039-70	LU2430035803 117027980	104.2953	102.3300 NAV 29.04.2022	174,575 -3,353 0.51%	-1.88% -3,353 -1.88%
<b>Total Hedge Funds</b>						<b>1,951,168 0 5.69%</b>	

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Profit/ Loss		P/L Unreal. in % Instr. in % FX in %	
					Value in AUD of which Accrued Interest Proportion in %	Unrealized in AUD of which Instrument of which Forex		
<b>Private Equity</b>								
AUD	276,039	UNITS PARTNERS GROUP GLOBAL VALUE FUND (AUD) WHOLESALE AUD Portfolio: 3000039-70	AU60ETL02762 26607292	2.1653	3.2138 NAV 31.03.2022	887,134 2.59%	289,440 289,440 48.43%	48.43%
<b>Total Private Equity</b>						<b>887,134</b> <b>0</b> <b>2.59%</b>		
<b>Commodities &amp; Precious Metals</b>								
USD	187	UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN AUD Portfolio: 3000039-70	CH0031794263 3179426 TCMCI.S	1,372.5201 0.7353 AUD/USD	1,550.0000 CLO 29.04.2022	405,810 1.18%	56,767 46,467 10,300 3.33%	16.26% 12.93%
<b>Total Commodities &amp; Precious Metals</b>						<b>405,810</b> <b>0</b> <b>1.18%</b>		
<b>Real Estate</b>								
AUD	27,170	STAPLED SECURITY GOODMAN GROUP AUD Portfolio: 3000039-70	AU000000GMG2 18079202 GMG.AX	11.0006	23.9800 CLO 29.04.2022	651,537 1.90%	352,651 352,651 117.99%	117.99%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	57,574 STAPLED SECURITY MIRVAC GROUP AUD Portfolio: 3000039-70	AU000000MGR9 821911 MGR.AX	2.0391	2.4200 CLO 29.04.2022	139,329 0.41 %	21,930 21,930	18.68% 18.68%
<b>Total Real Estate</b>					<b>790,866</b> <b>0</b> <b>2.30 %</b>		
<b>Total Alternative Investments, Commodities &amp; Real Estate</b>					<b>4,034,978</b> <b>0</b> <b>11.76 %</b>		
<b>Total Investments</b>					<b>34,316,384</b> <b>100.00 %</b>		
of which Accrued Interest					784		

## 4. Appendix

### 4.1. Explanations

#### Accrued Interest

Accrued interest is not displayed for financial instruments with variable interest rate or frequency within the same interest period, except for Floating Rate Notes. For FINER Revexus, the accrued interest displayed is based on the deposit currency for reference purpose only. Entitlement to the accrued interest depends on the product features. All accrued interests are displayed in the reporting currency of the portfolio and are calculated recognizing trades end of day. The FX conversion rates (reflected below) are used to convert the amount from original currency to reporting currency. The accrued interest payable/receivable is displayed as the net amount on Current Account balances. As a result of the foregoing and other factors, the accrued interest is only an estimate and may not reflect the actual interest accrued, if any.

#### Activity Summary

The asset inflows and outflows include client-instructed transactions, which are aggregated as Net Investment Asset Flows. Non-Investment Flows refer to transactions related to Non-Investment Related Positions such as loan transactions to finance such Non-Investment Related Positions. Non-investment Flows do not contribute to the performance of the account. Such asset inflows and outflows do not include fees and taxes.

#### Analyses

Values displayed for the respective month labels are as of month-end dates. If the report end period is not a month-end, the report period end month label will show the values as of the report period end date.

#### Asset Classification

If an instrument is classified as 'not classifiable', the instrument is pending its proper classification. As soon this is available in the system, the instrument will reflect the correct classification.

#### Cost Valuation Exchange Rates

For the Positions section, the cost valuation exchange rate displayed is always the instrument currency against the portfolio currency.

For the Transactions section, the cost valuation exchange rate displayed is always between the instrument currency and reporting currency. For execution of FX purchase/sale transactions, the transaction valuation is based on the end of day exchange rate on the value date and the cost valuation is based on the FX contract rate.

#### Duration

Modified duration is a change in the price of a bond arising from a change in market yields. Modified duration is expressed as an approximate percentage. The investment report displays the Modified Duration method for all Fixed Income instruments.

#### Fees/ Taxes

Fees include management or safekeeping fees.

Taxes include value-added taxes and service related taxes, depending on country specific rules.

#### Income Summary

Coupon received and coupon paid, as well as interest earned and interest paid, does not include accrued or unpaid coupon or interest.

Year to date figures include the addition of the monthly figures inclusive of any backdated income processing/ adjustments.

Figures shown can be gross or net depending on the specific country and market practice.

Non-Investment related Income is included in the Income Summary.

#### Market Value

The values stated as begin of period are asset values as of the last reported statement period.

The values stated as beginning/ ending market values are asset values that are inclusive of most updated market prices and backdated transactions.

#### Non-allocable Effect

As a general rule, in most cases the sum of all the return contributions usually equal the portfolio return figure indicated. In some cases, however, the two figures may not tally exactly (for example, due to rounding differences). These discrepancies are being accounted for and indicated as "Non-allocable effect" return contribution.

#### Non-Investment Related Positions

Non-Investment Related Positions refer to non-asset/ non-investment type positions such as those relating to insurance policies or mortgages. Guarantees, standby letters of credit, holdcovers or other credit instruments which have been issued by the Bank pursuant to facilities granted are reflected under the sub-section entitled "Pro Memoria Positions".

Non-Investment Related Positions are displayed in the Scope of Analysis and in the Non-Investment Related Positions section. However, they are not included in any other analyses.

#### Performance Calculation

The performance figures are calculated based on investment related positions using the TWR Daily method (Time Weighted Rate of Return), which is based on geometrically linking daily rates of return.

The start of period displayed for the performance calculation is referring to Beginning Market Value, which is the closing balance of the previous day. The end of period displayed is referring to Ending Market Value, which is the closing balance of the day.

The net of fees and gross of taxes return is calculated after deduction of fees and before deduction of taxes.

The cumulative return calculation is reset, every time when geometrically linking the rates of return would render distorted values. Such scenarios can happen when the market values fluctuate around zero.

Return values prior 2015 displayed in this report might be different from previously reported return values.

#### **Profit/ Loss Calculation**

Realized and unrealized profit and loss are calculated by comparing the market or transaction value with the average cost value. For every trade date the system computes the average cost, first processing investments before disinvestments. Transaction costs are included in both realized and unrealized profit/loss calculation.

For realized profit and loss for FX Spots, Forwards and Swaps (including all currencies and Precious Metals) in Transactions section, in the 'Execution of FX Purchase' and 'Execution of FX Sales' rows, the value in the realized Profit/Loss column is calculated by comparing the Transaction Valuation based on the end of day exchange rate on the Value Date against the Cost Valuation based on the FX contract rate; this does not mean that the Profit/Loss for that transaction can be or has been cashed out.

Unrealized profit/ loss displayed in the Positions section are calculated as of the reporting date. FX conversion rates used in the computation of the unrealized profit/loss is the derived rate based on the average price as of the individual transaction date.

For unrealized profit and loss for Precious Metal Account and Current Account in Position Section, where there have been FX Spots, Forwards and Swaps transactions (including all currencies and Precious Metals), the Cost Valuation exchange rate is calculated based on the weighted average end of day exchange rate on respective transactions' value date. The value

in the unrealized Profit/Loss column is calculated by comparing the Current Valuation (based on conversion rates stated in the statement) as of reporting date against Cost Valuation.

#### **Rating**

Rating refers to the rating of an investment product and is either based on information available to the Bank or is obtained from sources believed to be reliable by the Bank as of the investment report date.

#### **Return contribution**

The contribution figure refers to the contribution of an individual asset category and/or currency to the overall performance on a portfolio level. The figure is calculated based on investment related positions using the TWR Daily method (Time Weighted Rate of Return), the return is computed by aggregating the daily returns.

Reference to the average weight of an instrument is computed by dividing the aggregated daily instrument weight by the number of days in the reporting period. The daily weight of an instrument is calculated by dividing the instrument's start of day market value and cash flow by the portfolio's start of day market value and cash flow.

#### **Yield**

The investment report displays Yield for all Fixed Income instruments and is displayed per market price.

#### Abbreviations

BID = Bid Price  
CLO = Closing Price  
NAV = Net Asset Value  
SET = Settlement Price

#### Rounding logic

Values in this investment report are calculated with exact numbers, however when presenting the data, values are rounded and therefore minor rounding differences might occur.

#### Large Numbers

The figures are consolidated and shown in denominations of thousands, millions and billions where applicable. If a value is too long to be displayed in the report itself, e.g. 1,526,555,333.26 the figure is consolidated and displayed as 1,526,555.33 in thousands in the report. If the value exceeds the column limit, a further division will take place and the phrase in millions/in billions will be displayed.

#### Conversion Rates as of 30.4.2022

AUD 1.0000 = JPY 93.0221

AUD 1.0000 = USD 0.7143

EUR 1.0000 = AUD 1.4763

GBP 1.0000 = AUD 1.7551

## 4.2. Legal Information

This ad-hoc investment report is a statement of account provided to you upon your request and in accordance with and subject to the Account Opening Terms and Conditions.

For accounts booked with Credit Suisse AG, Hong Kong Branch: This ad-hoc investment report has been generated specifically for you as additional information for reference only and is not to be treated as the monthly statement of account under section 11(2) of the Securities and Futures (Contract Notes, Statements of Account and Receipts) Rules which we provide to you on a regular basis. This ad-hoc investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this ad-hoc investment report within 90 days from the issue date.

For accounts booked with Credit Suisse AG, Singapore Branch: This ad-hoc investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this ad-hoc investment report within 14 days from the issue date. Assets detailed within this ad-hoc investment report will not be directly custodied by Credit Suisse AG, Singapore Branch but with third party custodians in accounts for and on behalf of Credit Suisse AG, Singapore Branch, unless otherwise informed by the Bank.

For All:

Please refer to the Important Notice on Sales Disclosure to Investors for sales related information including information on monetary benefits received by the Bank where it distributes an investment product to you.

The prices reflected for instruments and other information detailed within this ad-hoc investment report are attained or derived by the Bank from market data sources believed to be reliable, however the Bank does not make any representation as to the accuracy or completeness of such prices or information. In the absence of reliable market reference prices, the Bank may assign a nominal value or make an appropriate comment on the ad-hoc investment report. As a result, this ad-hoc investment report may contain price indications or comments as the Bank sees appropriate in the prevailing circumstances. If you have any queries in this respect, please contact your Relationship Manager.

The Bank provides price indications for financial derivatives transactions, structured products and non-listed financial instruments based upon available market reference prices believed to be reliable. The Bank does not make any representation as to the accuracy or completeness of price indications for transactions nor the guarantee to buy/sell at the price indicated. The

Bank does not accept liability for any loss arising from the client's use of, or reliance on, such price indications. The price indications of the initial purchase price may be different from the actual purchase price.

The Bank will, at the time of printing this ad-hoc investment report, use the last price indications available to it. Due to the time differences between the Asia Pacific region and markets in other regions, the price indications reflected by the Bank in this ad-hoc investment report will not always reflect the price indications available on the last business day of the reporting period in certain markets.

The Bank may use either an onshore or offshore CNY rate for FX conversion to reporting currency depending on the asset. Please note that there may be a differential between the onshore and offshore rate. Please refer to your Relationship Manager if you need further information on the FX conversion rate applied in relation to your CNY positions.

Please note that financial institutions have transitioned away from certain London Interbank Offered Rates (LIBORs) to alternative reference rates (ARRs) and are preparing to transition away from the remaining USD LIBOR tenors (other than USD LIBOR 1w and 2m) before end of June 2023. This may affect products issued by Credit Suisse or third parties in your portfolio. Please refer to our Credit Suisse IBOR website [www.credit-suisse.com/IBOR](http://www.credit-suisse.com/IBOR) for more information, or reach out to your Credit Suisse Relationship Manager with any questions you may have.

Please be aware that the financial industry's transition away from LIBOR interest rate benchmarks may have had or may have an impact on valuations of OTC derivative transactions, as the inputs that Credit Suisse uses to calculate valuations may have changed or may change.

If you have any credit facilities in place with the Bank, please note that potentially all of the assets detailed within this ad-hoc investment report may be held as collateral for those facilities. If you have any questions in relation to the collateral for your facility, please contact your Relationship Manager.

The information in this ad-hoc investment report does not constitute legal or tax advice. You should consult your legal and/or tax experts if you need any such advice. The investment report does not take tax rules and regulations into consideration, and thus it cannot be used for tax reporting purposes.

The fee charged for the provision of the Bank's Advisory Service (referring to portfolio(s) ending with -30 to -39) is a Flat Fee notwithstanding that prior to June 2017 the fee may have been described as a Management Fee or All-In Fee in statements or documents received by the client whether by hardcopy, email, Internet Banking or any other form of delivery.

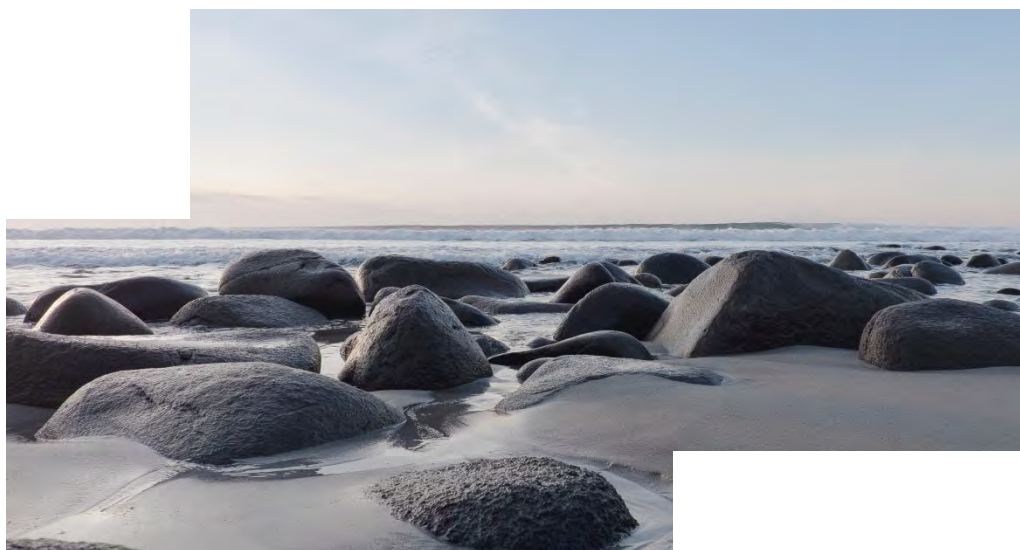
Hong Kong Deposit Protection Scheme (the "DPS"): "Protected deposit" is defined under section 2(1) of the Deposit Protection Scheme Ordinance (Cap. 581 of the Laws of Hong Kong) (the "Ordinance"). Protected deposit does not include those specified in section 1 of Schedule 1 of the Ordinance. In particular, please note that a deposit held or placed in an account with the Bank's Singapore branch is not a protected deposit (as defined in the Ordinance) and consequently is not eligible for the protection under the DPS, notwithstanding that the account holding the deposit is managed by representatives of the Bank's Hong Kong branch. In addition, a deposit held or placed in an account with the Bank's Hong Kong branch where the current term negotiated and agreed exceeds 5 years is not a protected deposit as defined in the Ordinance and consequently is not eligible for protection under the DPS. Certificates of Deposit: Investments in certificates of deposit are not protected deposits as defined in the Ordinance and consequently are not eligible for protection under the DPS.

An individual who is an account holder of an Individual or Joint Account with RMB Services opened and maintained with the Bank's Hong Kong branch is requested to notify the Bank immediately if there is any change to such individual's status in terms of holding a HK Identity Card or not.

This ad-hoc investment report is an electronically generated report and does not require a signature.



# APNIC Monthly Reporting



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## Summary

- The APNIC portfolio was indicatively down 1.57% in April.
- Global equities retreated -2.97% in AUD terms as a weakening Australian dollar boost international returns.
- Australian equities fell -0.85%.
- A more hawkish Fed saw bond yields surge.

## Market Commentary

April proved a weak month for equities as ongoing macro-economic uncertainty fuels concerns of a slowdown in global growth. Weaker commodities, as well as a general risk-off sentiment saw the AUD weaken and helped cushion negative returns from international equities for Australian investors. In AUD terms, US, Europe, Emerging Markets and Australian equities returned -3.80%, +0.13%, -0.07% and -0.85% respectively. In bond markets, yields surged as the market priced in more aggressive rate hikes from the Fed and RBA.

The Australian economy remains strong. Consumption supported by re-opening and a resilient labour market, all point to robust GDP growth throughout the year. Australia previously lagged the material rise of global inflation, however, inflation surprised on the upside with the RBA's preferred "trimmed mean" printing at 3.7% YoY for the March quarter, up from 2.6% from December. The strong inflation print was enough to shock the RBA into acting sooner than it expected and at its May meeting, increased the cash rate 25bps to 0.35%. Progress towards full employment and evidence of wage growth, should mean further withdrawal of monetary support. A more hawkish RBA noted inflation had picked up "significantly and by more than expected" and cited further increases in the months ahead, to ensure that inflation returns to target over time.

US economic data was mixed. US ISM Manufacturing PMI printed at 55.4 in April, down from 57.1 in March. The slowdown was seen in production and new orders as the sector remains in a demand driven, supply chained constrained environment. In contrast, the labour market was once again a source of strength, adding 428k new jobs in April, keeping the unemployment rate at 3.6%. GDP growth surprised to the downside at

-1.4% for Q1 as inventory building and net exports weighed on real GDP, though these one-off factors hide solid underlying consumption and investment. Inflation remains the key focus for markets and remains elevated as US Core PCE inflation printed at 5.2% YoY in March. While inflation measures are stabilizing, the ongoing uncertainty and supply disruptions from the Ukraine war and Chinese lockdowns continue to pose risks. In response, the Fed raised rates by 0.50% and outlined a program to reduce bond holdings by \$95 billion a month. The Fed noted the “burden of inflation” on households and remains committed to restoring price stability, which leaves open the likelihood of further 50bp hikes in coming months.

European economic activity was softer as the Ukraine war continues to depress economic activity. The Eurozone Markit Manufacturing Index PMI printed at 55.5 in April, down from 56.2 observed in March. Ongoing supply constraints restricted production as disruptions from the Ukraine war and fresh lockdown in China exacerbated existing supply issues. Euro Area Core inflation rose to 3.5% in April, up from 2.9 in March. The ongoing conflict continues to weight on growth as resulting sanctions imposed by the West have aggravated shortages of food, energy and minerals, disrupting trade and driving inflation to record highs. The growth outlook for the region remains closely tied to the path of the conflict and with no clear resolution in sight. Furthermore, given the divergent economic backdrops between different regions globally, European central banks may choose more accommodative policy to support local economic growth.

China’s economic data continues to weaken as strict lockdowns and supply chain disruptions impede growth. The Caixin Manufacturing PMI printed at 46.0 in April, down from 48.1 in March. The latest reading was the 3rd contraction in factory activity since the start of the year as COVID-19 outbreaks took a toll on the economy. Output, new orders and exports fell, and sentiment was subdued, amid concerns of longer lasting control measures. Despite this, China’s leaders have made it clear they want to achieve the “5% bottom line growth” while maintaining a zero-covid policy for 2022, and have flagged significant policy support, through infrastructure spending to stimulate the economy.

### Market Value as at 30 April 2022

	Market Value
APNIC Portfolio	A\$34,316,384

### Performance as of 30 April 2022

APNIC Portfolio				
	Portfolio	Benchmark	Relative	CPI + 2.5%
Month	-1.57%	-1.54%	-0.03%	0.63%
3 Months	-4.08%	-3.70%	-0.38%	1.78%
Year To Date	-6.51%	-5.99%	-0.52%	2.29%
1 Year	-2.56%	-1.84%	-0.73%	6.18%
3 Years pa	2.51%	3.23%	-0.71%	4.44%
Since Inception pa	4.49%	4.81%	-0.33%	4.45%

\* Performance is after fees but before franking. Inception is September 2013.

### Asset Allocation

Asset Class	Tactical Position
Cash	Neutral
Bonds	Underweight
Australian Equities	Overweight
International Equities	Overweight
Alternative Investments	Underweight

### Significant Recent Portfolio Changes

Position	Comments
GAM Multibond – Emerging Market Bond Fund	Sold: Exited position due to underperformance.
Nikkei 225 ETF/ iShares Gobaal Healthcare ETF	Decreased/Increased: Reduce positioning in Japan. Global Investment Committee remain positive on healthcare sector.
Ninety One EM Bond Fund	Buy: Attractive valuation opportunities in EM sovereign bonds. Strong risk management

## Outlook

Throughout 2022, markets have had to contend with several challenges; persistent and elevated inflation, the ongoing Ukraine war, continued supply chain disruptions and the recent inversion of the US yield curve, all of which have renewed fears of a recession. This comes at a time when markets have increased official rate expectations in developed countries. For now, the economic fundamentals in developed markets remain solid, which should support growth over the medium term. In the shorter term, bond and equity markets will need confirmation of a peak in inflation and so yields, before regaining confidence. Undoubtedly, the current market situation will continue to fuel bouts of volatility, but we continue to navigate what remains a challenging environment and remain ready to make tactical decisions when appropriate.

## Data Sources

Credit Suisse, unless otherwise specified.

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# Agenda Item 12

## Secretariat report

# APNIC Secretariat Report

1 January – 30 April 2022

**CONFIDENTIAL DRAFT 1.0**

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# Executive Summary

## Introduction

This report is provided to the APNIC Executive Council (EC) for the quarterly meeting on 26-27 May 2022. It provides a summary of activities from 1 January to 30 April 2022.

The structure of this report reflects the APNIC Strategic Plan 2020-2023 and the 2021 Operational Plan, with activities reported according to Strategic Pillar and Workstream, and against their Success Indicators.

Feedback on this report is very welcome.

## Highlights

The following is a summary of significant highlights for the year to date, also grouped according to Strategic Pillar.

### Membership

- 95 net new Members brought total APNIC membership to 8,863 (1A.3).
- APNIC Survey preparatory interviews were completed, and the survey questionnaire drafted (1A.4).
- Achieved 81% satisfaction for MyAPNIC (1B.1).
- Completed the APNIC Login SSO migration of more than 60,000 users from Keycloak to Okta (1B.1).

### Registry

- The percentage of Members holding IPv6 addresses reached 69.1% (2A.1).
- The IRT validation rate was 79.3% (2A.2).
- A prototype APNIC Registry API was deployed for public testing (2B.4).
- prop-142, -143 and -144 reached consensus at APNIC 53 and were endorsed by the EC for adoption (2C.1).

### Development

- APRICOT 2022 / APNIC 53 attracted 886 participants and achieved an NPS of 60 (3A.1).
- APNIC 54 will be co-located in Singapore with APriGF 2022, APSIG 2022 and SGN0G 9 (3A.1).
- APNIC recorded 107 community engagements (3C.6).
- 30 Fellows (15 male, 15 female) selected from 371 applicants for the 2022 Fellowship Program. (3D.3).
- APNIC Academy added one new course and four new labs to its online catalogue (3E.1).
- 50 instructor-led training courses were delivered to 1,337 attendees, and 6 webinars to 321 attendees (3E.2).
- The Retained Community Trainer program was introduced, with two CTs recruited (3D.4).
- IPv6 capability in the Asia Pacific reached 39.18% (3E.6).
- An M-root server was deployed in Kuala Lumpur (3F.3).

### Information

- The Blog averaged 75,525 views per month, 9.9% above 2021's monthly average of 68,721 (4A.1).

- Eight episodes of the 'PING' Podcast were published, averaging 240 'impactful plays' per episode (4A.1).
- Promotion via paid search significantly increased REx and NetOX users (4A.2).
- Thirteen APNIC Labs research articles were published, and 11 research presentations delivered (4B.3).

### Capability

- Deployment of a POP in Singapore for APNIC and M-root services (5A.2).
- Deployed new RDNS anycast nodes in Mumbai and Tokyo (5A.3).
- The staff engagement level of 83% (April) exceeded the global benchmark of 76% (5C.1).
- A Whistleblower Policy was finalized, and an external provider engaged (5D.2).

## Budget Performance

The following table summarizes budget performance to date, for PY (staff time) allocation, and operational and capital expenditure, across all workstreams.

Pillar	Workstream	PY			Expense			Capital		
		Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
Membership	Member Services	14.67	12.95	12%	934,519	744,842	-20%	-	-	0%
	Membership Products	9.40	8.97	-5%	582,200	502,828	-14%	-	-	0%
	Membership Reporting	0.87	1.21	40%	214,415	179,182	-16%	-	-	0%
Registry	Registration Services	5.11	5.26	3%	235,837	227,296	-4%	-	-	0%
	Registry Products	9.30	7.01	-25%	850,416	710,787	-16%	230,000	-	-100%
	Policy Development	0.75	0.80	6%	129,991	178,472	37%	-	-	0%
Development	APNIC Conferences	4.15	4.52	9%	266,601	208,554	-22%	-	3,054	0%
	Foundation Support	1.31	1.55	18%	30,753	0	-100%	-	-	0%
	Community Engagement	4.71	4.64	-1%	538,075	466,740	-13%	-	-	0%
	Community Participation	1.95	2.98	52%	134,587	99,984	-26%	-	-	0%
	APNIC Academy	19.58	12.44	-36%	1,660,791	1,048,580	-37%	25,000	-	-100%
	Internet Infrastructure Support	2.90	1.10	-62%	811,307	172,374	-79%	30,000	-	-100%
Information	Information Products	8.87	7.97	-10%	445,394	405,545	-9%	-	-	0%
	Research and Analysis	0.87	1.11	27%	347,372	237,818	-32%	77,000	-	-100%
Capability	Internal Technical Infrastructure	16.81	13.17	-22%	1,288,065	976,202	-24%	439,500	52,352	-88%
	Finance and Business Services	12.09	10.84	-10%	953,641	959,350	1%	37,500	5,179	-86%
	Employee Experience	7.19	6.42	-11%	809,794	761,096	-6%	347,500	24,658	-93%
	Governance	1.68	1.88	12%	246,648	262,997	7%	-	-	0%
		<b>122.21</b>	<b>104.82</b>	<b>-14%</b>	<b>10,480,405</b>	<b>8,142,646</b>	<b>-22%</b>	<b>1,186,500</b>	<b>85,242</b>	<b>-93%</b>

Notes: ■ <= 25% variance ■ > 25% <= 50% variance ■ > 50% variance

Table 1: Budget performance summary

## Tracking Success Indicators

The status of Success Indicators in the document's following pages is denoted by a coloured circle for at-a-glance reference on progress.

- Completed
- In progress
- At risk

# 1 Membership



## 1A Member Services

### Operations

#### 1A.1 Member service delivery

**Objective:** Deliver excellence in service to APNIC Members.

##### Service requests SLA

- The SLA to respond to Member queries within 48 hours (two working days) has been 100% met.

##### Service satisfaction ratings

- 93% of service satisfaction ratings (798/857 requests) were either 'Excellent' or 'Above Average'.
- Follow up of all 'Poor' ratings revealed 12 poor feedback ratings were submitted in error when completing the feedback form. The form was improved in January to reduce the chances of error.
- Other 'poor' ratings included 14 requests that were out of scope for the APNIC Helpdesk, and 10 requests by Members with additional questions, all resolved.

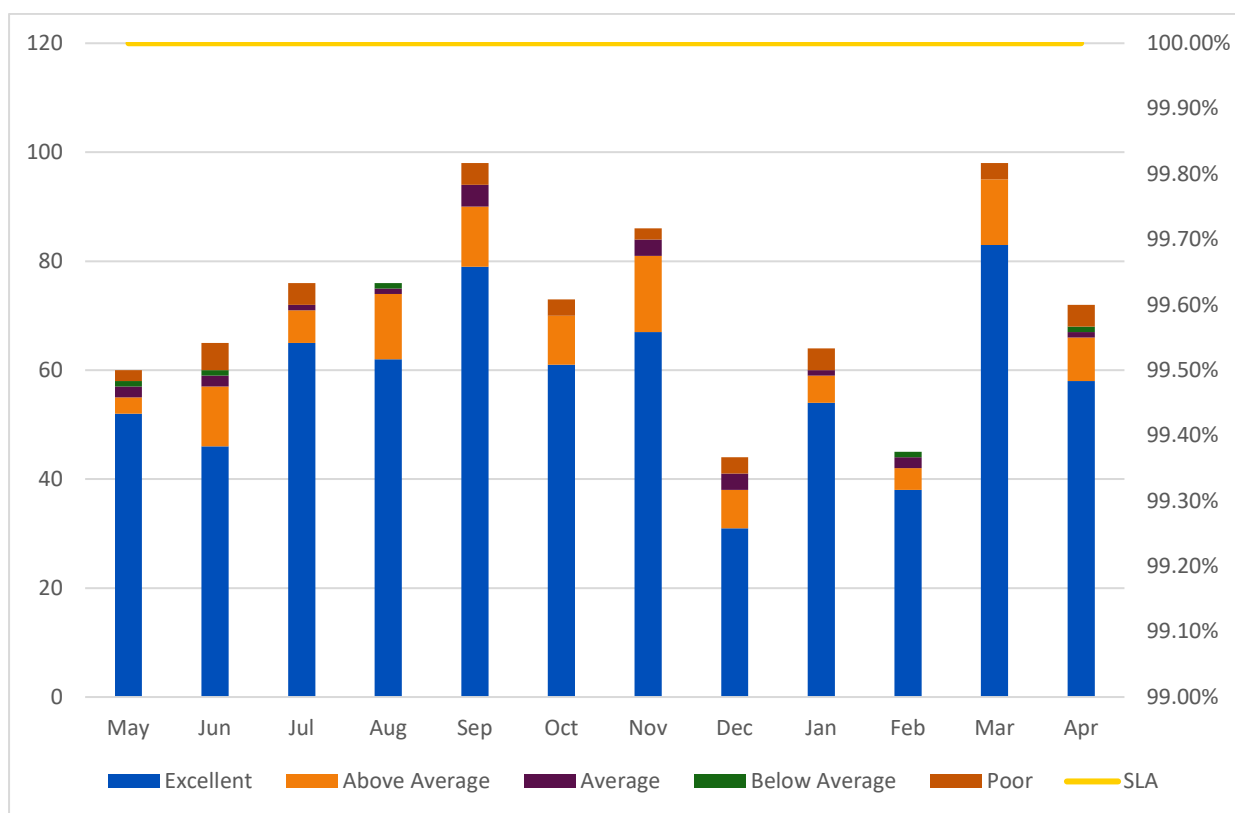


Figure 1: Service SLA and satisfaction

**Member Outreach**

- There were 49 Member Services engagements across 11 economies, covering RPKI, resource transfers, technical assistance, awareness of upcoming events, and the historical resources transition project.

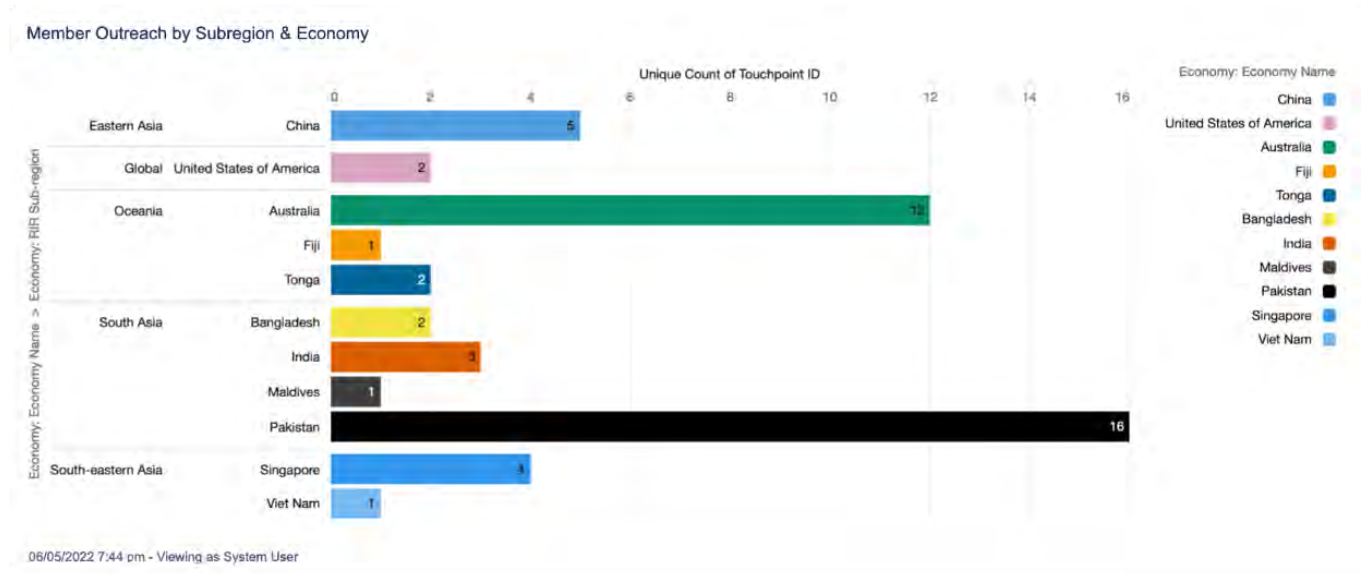


Figure 2: Touchpoints per economy

**Fraud Handling**

- Fraud cases remained low, with most involving attempts to open APNIC accounts with fabricated documents.

Type	Jan	Feb	Mar	Apr
Identity theft	-	-	-	-
Fabricated documents	2	5	8	5
Fabricated needs	1	1	-	-
<b>Total fraud cases</b>	<b>3</b>	<b>6</b>	<b>8</b>	<b>5</b>

Table 2: Fraud cases



	Success Indicators – 1A.1.	Results	Status
1	Increase Member outreach touchpoints by at least 20% from 148 in 2021.	49 touchpoints	●
2	Maintain Helpdesk SLA of two business day response to enquiries.	100%	●
3	Maintain Member Service satisfaction of at least 93% “excellent and above average”.	93%	●
4	Proactive Member service engagement in at least 47 economies.	11 economies	●
5	Conduct quarterly meetings with all NIRs.	Q1 completed	●

### 1A.2 Member experience

**Objective:** Members and the community enjoy a positive user experience and can easily provide feedback across all APNIC products and services.

#### Feedback

- Members and the community provided 758 feedback items, with 162 requiring action (investigating, monitoring, or fixing the issue). All have been resolved.
- Feedback topics included conference and training content and product and service improvements.

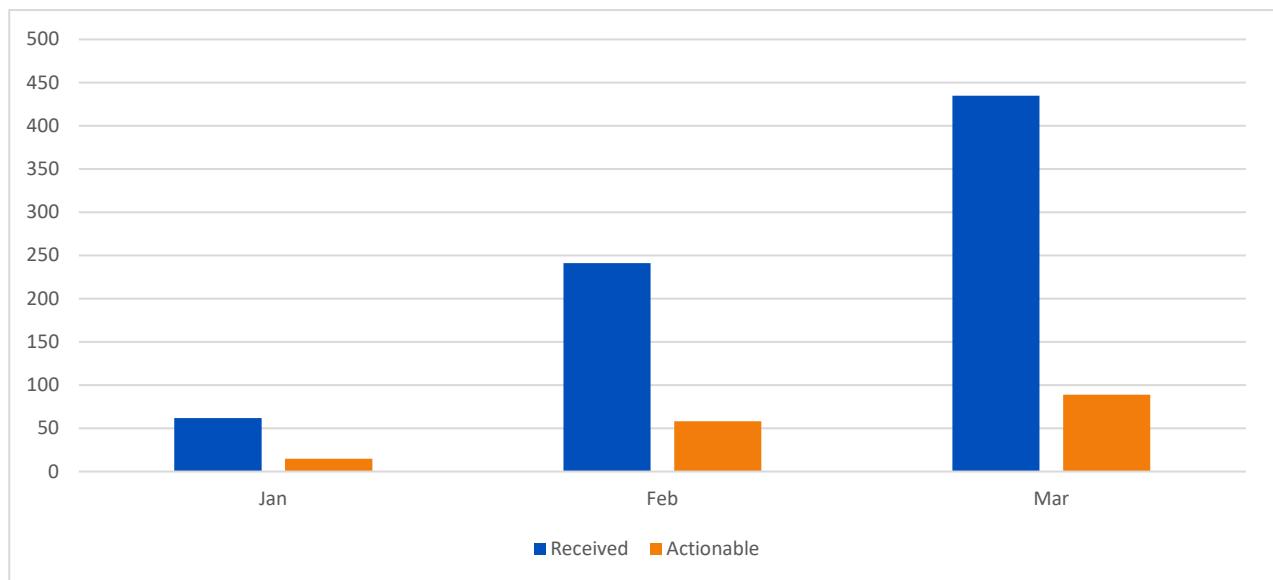


Figure 3: Feedback Received/Actionable

#### User Feedback

- Community members are encouraged to join the voluntary User Feedback Group to provide views on product developments. This group is currently 520 people.

- There have been 83 feedback interviews (user experience tests, surveys, and one-on-one interviews) with Members.

**Website Usability**

- A baseline System Usability Scale (SUS) score of 67/100 for the website was recorded in February. Issues raised included brand consistency, look and feel and information architecture.

Success Indicators – 1A.2.			Status
1	100% of improvement suggestions are assessed and followed up.	162/162 resolved	●
2	Increase engagement with User Feedback Group at least 20% from 298 in 2021.	83 activities	●
3	Achieve online System Usability Scale (SUS) score of 68/100.	67/100	●

**1A.3 Membership development**

**Objective:** Ensure organizations that may need APNIC products and services can discover and access them easily.

- New Member outreach was conducted at the ITCN Expo in Pakistan, PCTA in the Philippines and planning began for CommunicAsia in Singapore.
- A total of 216 new Members joined APNIC, including two from Service Partners and three from Member referrals. The net new Members added (including closures and reactivations) was 95.

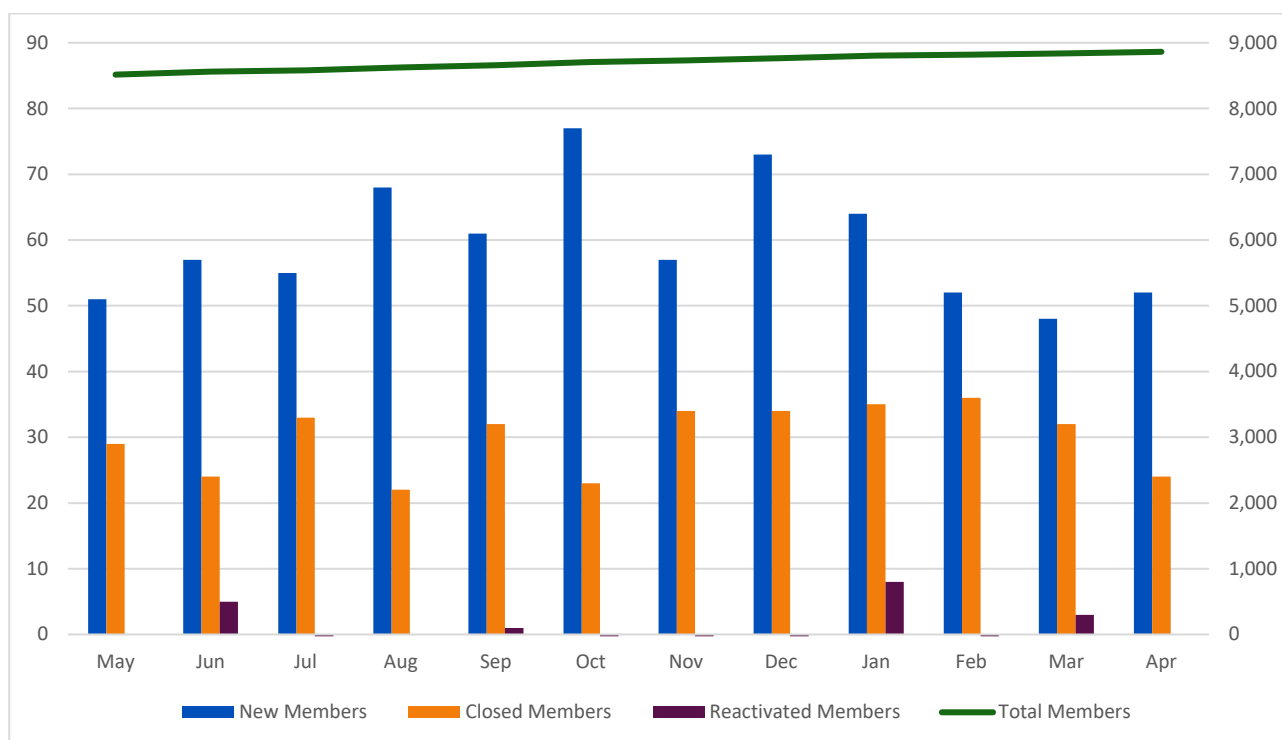


Figure 4: Membership transactions

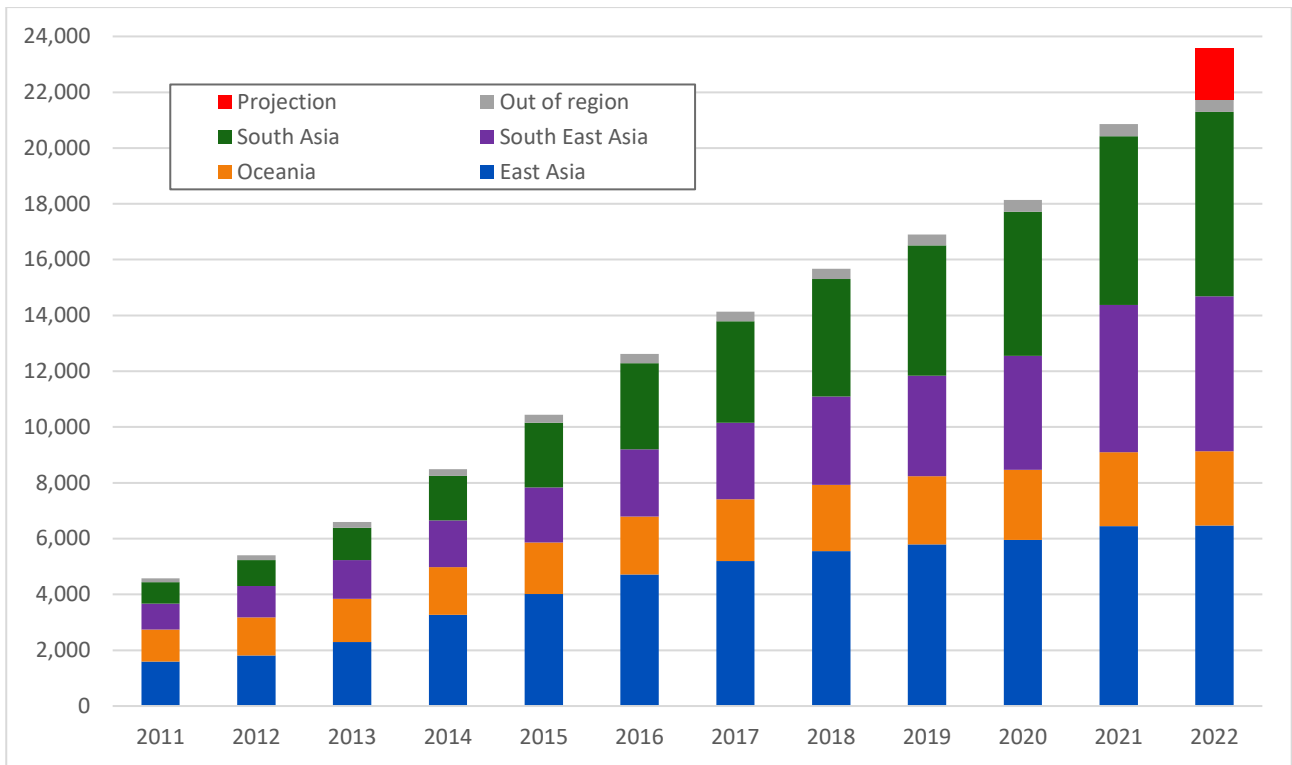


Figure 5: Total membership (APNIC + NIR, by subregion)

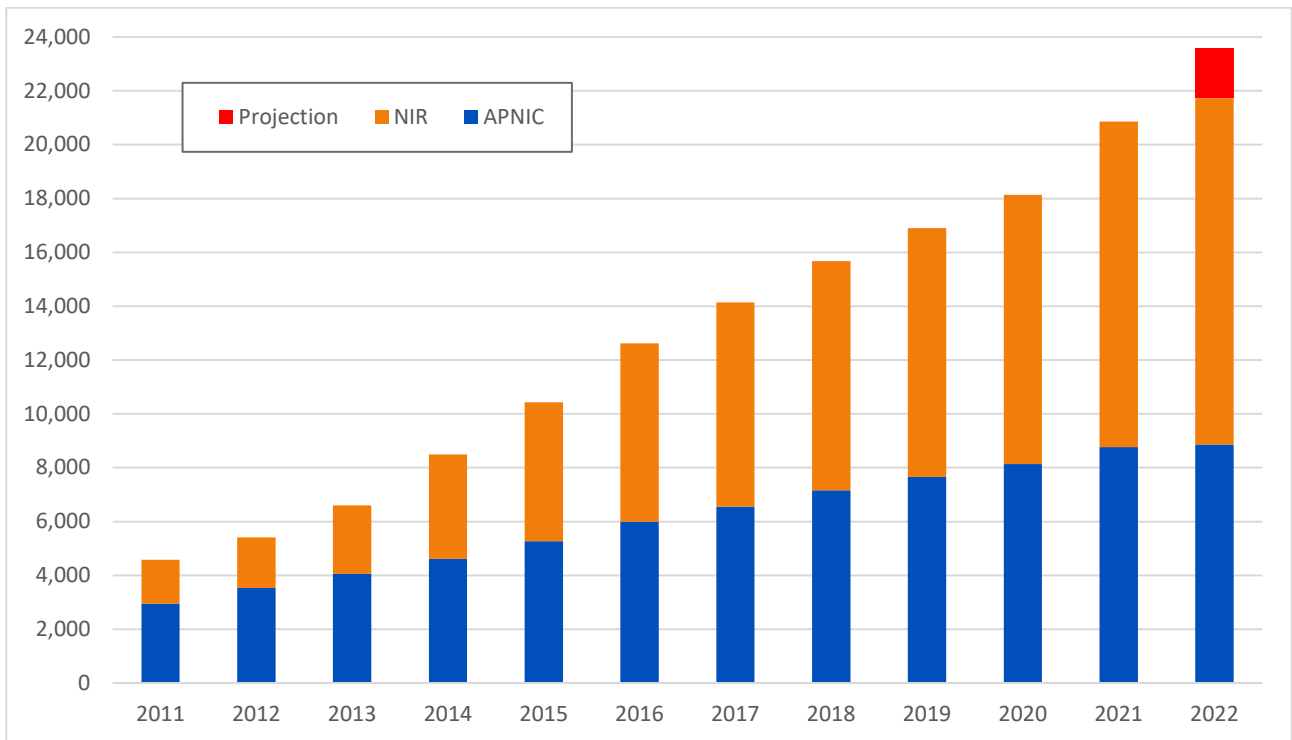


Figure 6: Total membership (APNIC + NIR)

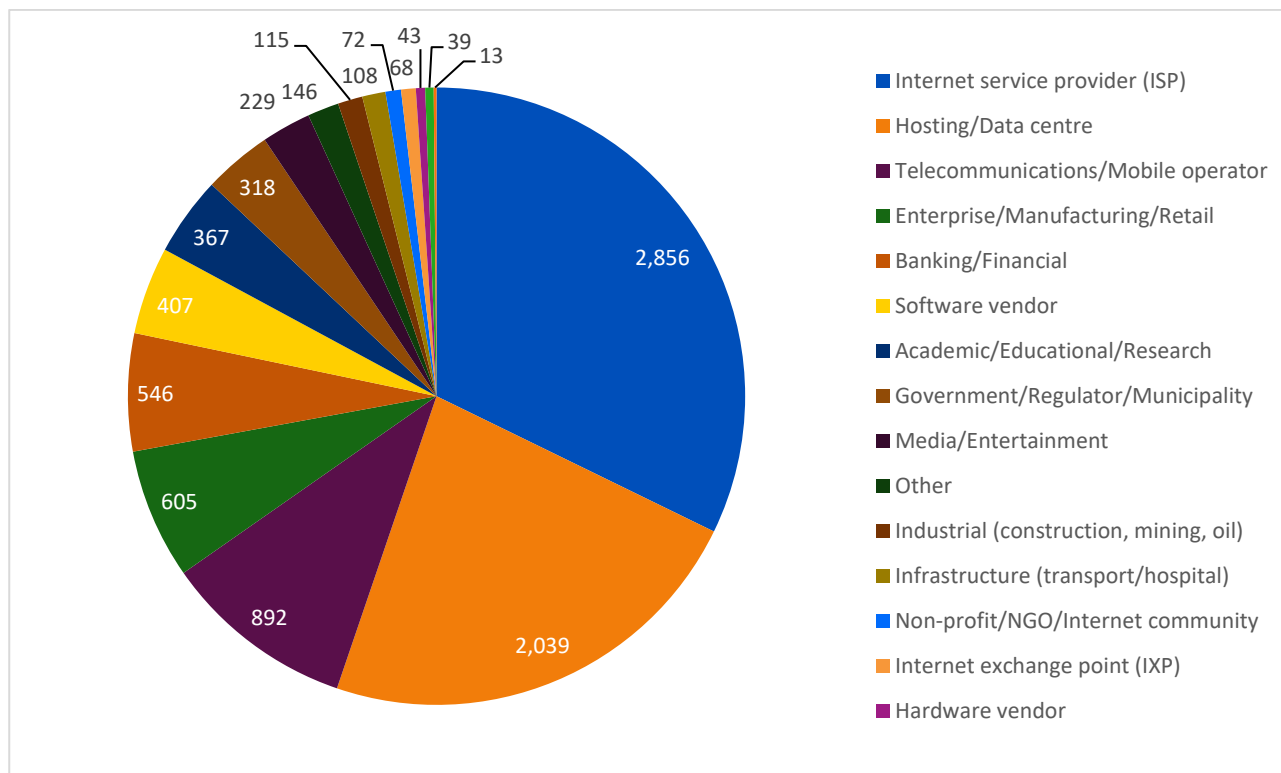


Figure 7: APNIC membership by industry type

Success Indicators – 1A.3.		Results	Status
1	At least eight membership development activities in target economies.	2/8	●
2	Achieve at least 492 Members (net) in 2022.	95 (net)	●

### 1A.4 APNIC Survey

**Objective:** Update understanding of Member and community needs, and how APNIC can best serve them.

- The interviews stage was completed. Thirty-seven interviews were conducted (24 Members, 6 stakeholders, 7 NIRs) across 26 economies. The draft interview report was provided to the APNIC EC.
- The quantitative survey questionnaire was developed and sent to the EC for approval.

Success Indicators – 1A.4.		Results	Status
1	Increase total survey response by at least 10% from 1,624 in 2020.	N/A	●
2	Achieve at least 10% of responses by new survey participants.	N/A	●

## Investments

### 1A.5 Historical resources transition

**Objective:** Prepare for transition to new fee structure for Historical Resources from 1 Jan 2023.

- Reviewed and classified 7,341,824 historical IPv4 addresses, originally registered to up to 3,636 different holders, not currently managed under an APNIC account.
- Contact is progressing with historical address holders to advise of the new fee structure and help them to establish APNIC membership or return of resources.

	April	Percentage	Addresses
Attempting to contact holders	3,368	93%	6,178,304
Prefixes being claimed by holders	234	6%	1,022,976
Prefixes no longer needed	16	0.5%	4,096
Prefixes retained by holders	18	0.5%	136,448
<b>Total number of holders</b>	<b>3,636</b>	<b>100%</b>	<b>7,341,824</b>

**Table 3: Cases of historical resource holders**

*Note: The total number of holders changes if there has been a Merger & Acquisition, and when multiple prefixes are claimed by the same organisation.*

Success Indicators – 1A.5.		Results	Status
1	Attempt contact with all historical resource holders.	268/3,636	●
2	All 7,341,824 historical IPs are either registered to a current APNIC account or deregistered.	In progress	●
3	All remaining unused resources are claimed, transferred, or returned to APNIC.	In progress	●

## 1B Membership Products

### Operations

#### 1B.1 Membership product management

**Objective:** Provide products and services that make it easier for APNIC Members to manage their accounts.

- Achieved 81% product satisfaction for MyAPNIC.

	Success Indicators – 1B.1.	Results	Status
1	Maintain MyAPNIC availability of at least 99.99%.	99.99%	●
2	Achieve Membership Products satisfaction of at least 80%.	81%	●

## Investments

### 1B.2 Membership product development

**Objective:** Develop and improve products and services that make it easier for APNIC Members to manage their accounts.

- Completed the APNIC Login SSO migration of more than 60,000 users from Keycloak to Okta. Work on security and usability improvements continues.
- An eduoam API using the Okta SSO was provided to the Academy team.
- Supported the EC election platform at APNIC 54 for a record 1,270 participating Members. Reduced proxy voting time from 90 seconds to 20 seconds (127% improvement).
- Improved usability of Help Centre articles by adding visual indicators to distinguish between article types.

	Success Indicators – 1B.1.	Results	Status
1	Achieve all 2022 goals, according to the <a href="#">Membership Products Roadmap</a> .	In progress	●

## 1C Membership Reporting

### Operations

#### 1C.1 Planning and reporting

**Objective:** Ensure that APNIC remains fully accountable to its Members by providing timely, complete and accurate information about all activities.

- The 2022 Activity Plan and Budget and the 2021 Annual Report were presented at the APNIC AGM on 3 March and published online.
- All EC Minutes have been published in line with the KPI.
- A public webpage tracking progress against 2022 activities was published.

	Success Indicators – 1C.1.	Results	Status
1	Publish required reports on the day of the APNIC Member Meetings.	Achieved (APNIC 53)	●
2	Publish EC Minutes within two months of each EC meeting.	Achieved	●

## 2 Registry



### 2A Registration Services

#### Operations

##### 2A.1 IPv4, IPv6 and ASN delegation and registration services

**Objective:** Provide IPv4, IPv6 and ASN delegation and registration services to APNIC Members.

##### Resource pools

- The following table shows the status of all APNIC number resource pools.

	Total at 1 Jan 2022	From IANA	Transfers in	Transfers out	Total at 30 Apr 2022	Total delegated	Total reserved	Total available
IPv4 /24s	3,483,932	0	660	366	3,484,266	3,465,300	6,867	12,059
IPv6 /32s	1,067,008	0	0	0	1,067,008	98,545	113,803	854,660
ASNs	29,336	0	1	1	29,336	26,499	0	2,837

Table 4: Resource pool status

##### IPv4 pool status

- The following chart shows the amount of reserved and available space in APNIC’s IPv4 pool.

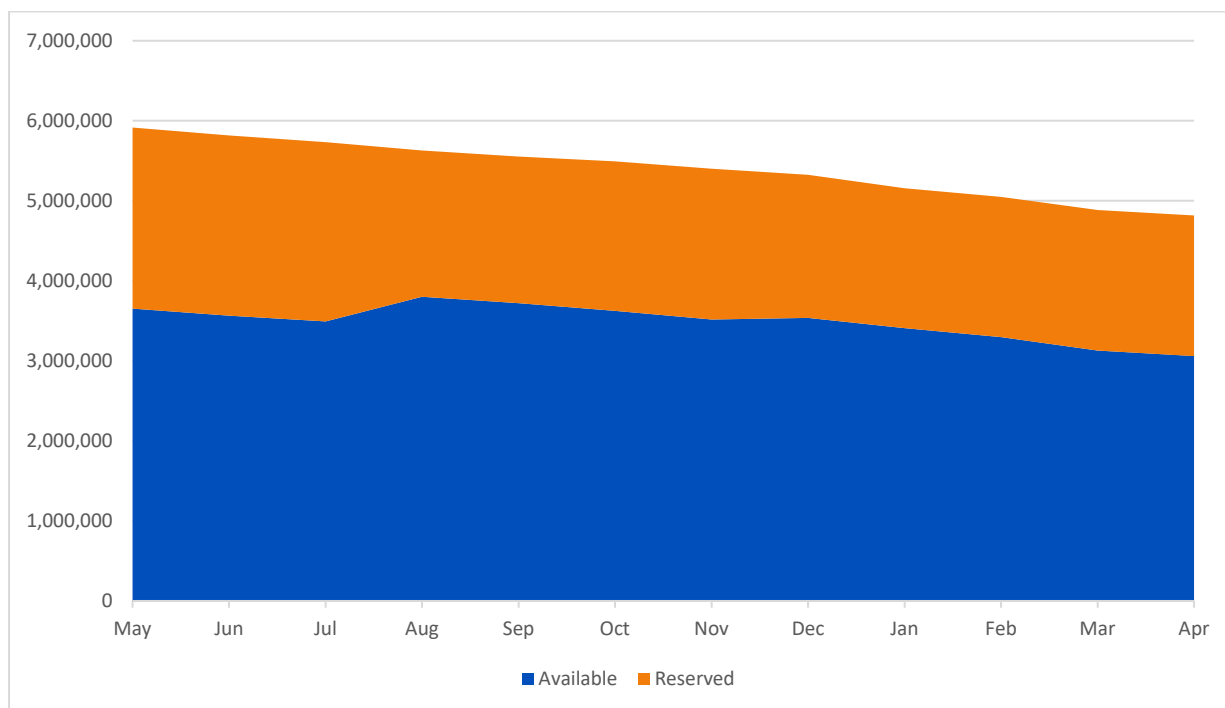
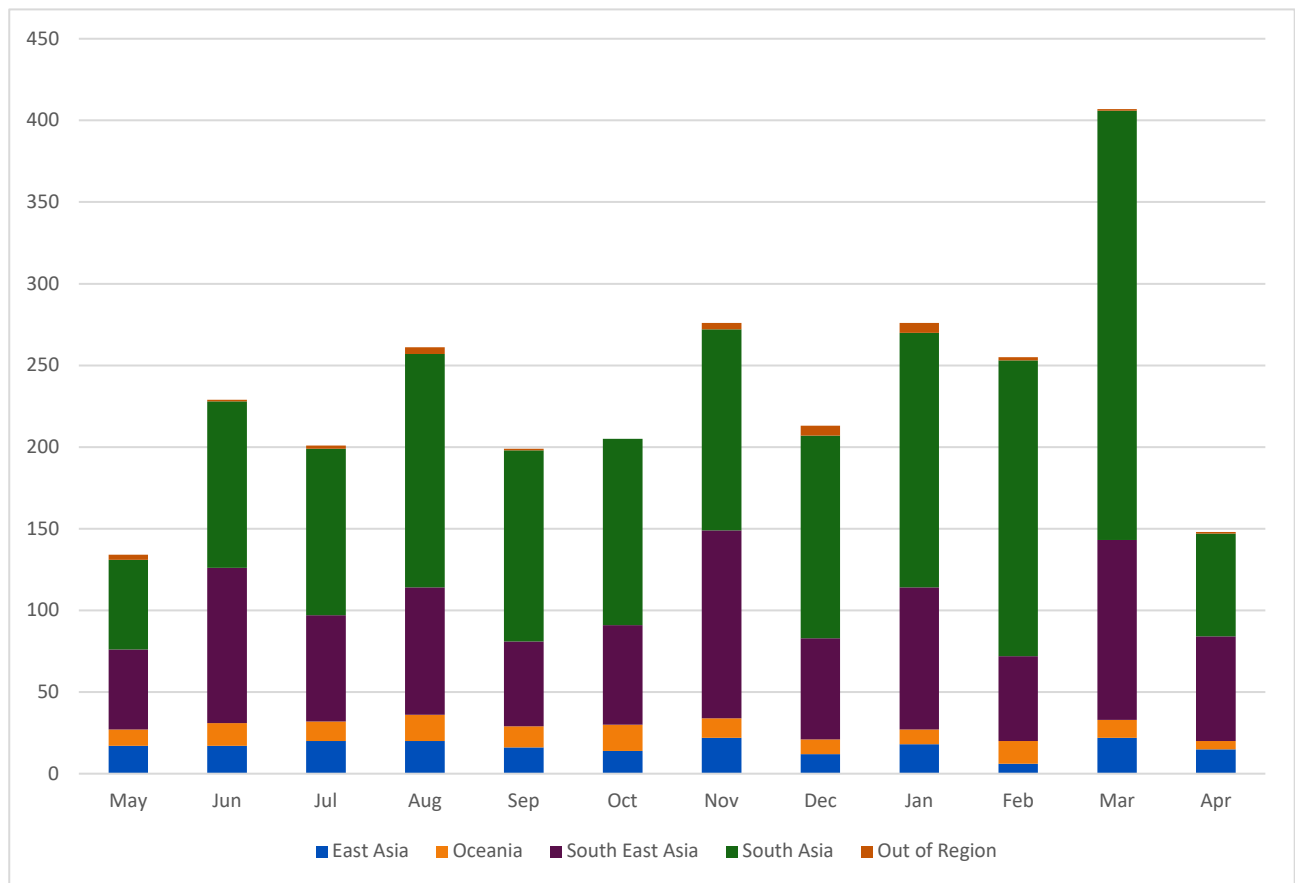


Figure 8: IPv4 pool status

**IPv4, IPv6 and ASN delegations**

- The following graphs show the number of delegations for each resource type by sub-region.
- In Figure 9, the peak in March 2022 was due to large number of IPv4 delegations made by the NIR in India.
- In Figure 11, the peaks in ASN delegations in May and October 2021 were due to allocations to large networks in China and India. APNIC received an additional 8,192 ASNs from IANA in 2021 to meet those large requests.



**Figure 9: IPv4 delegations by sub-region**



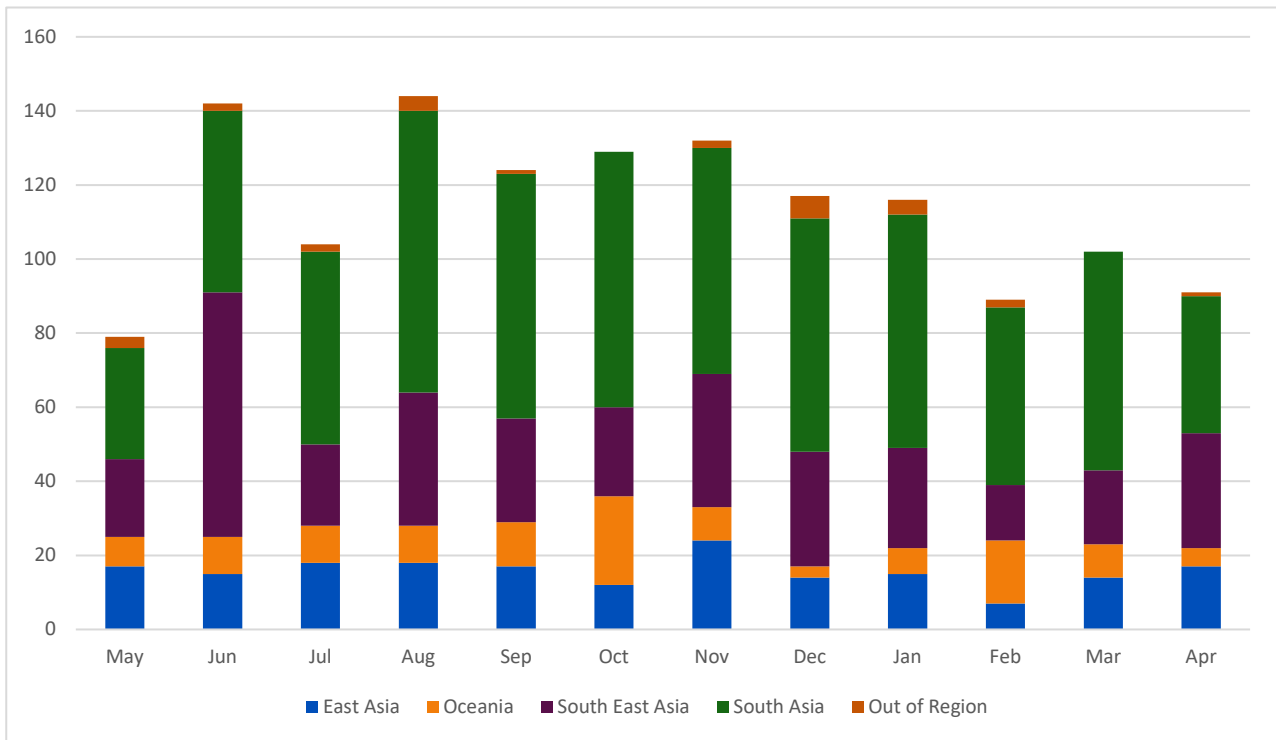


Figure 10: IPv6 delegations by sub-region

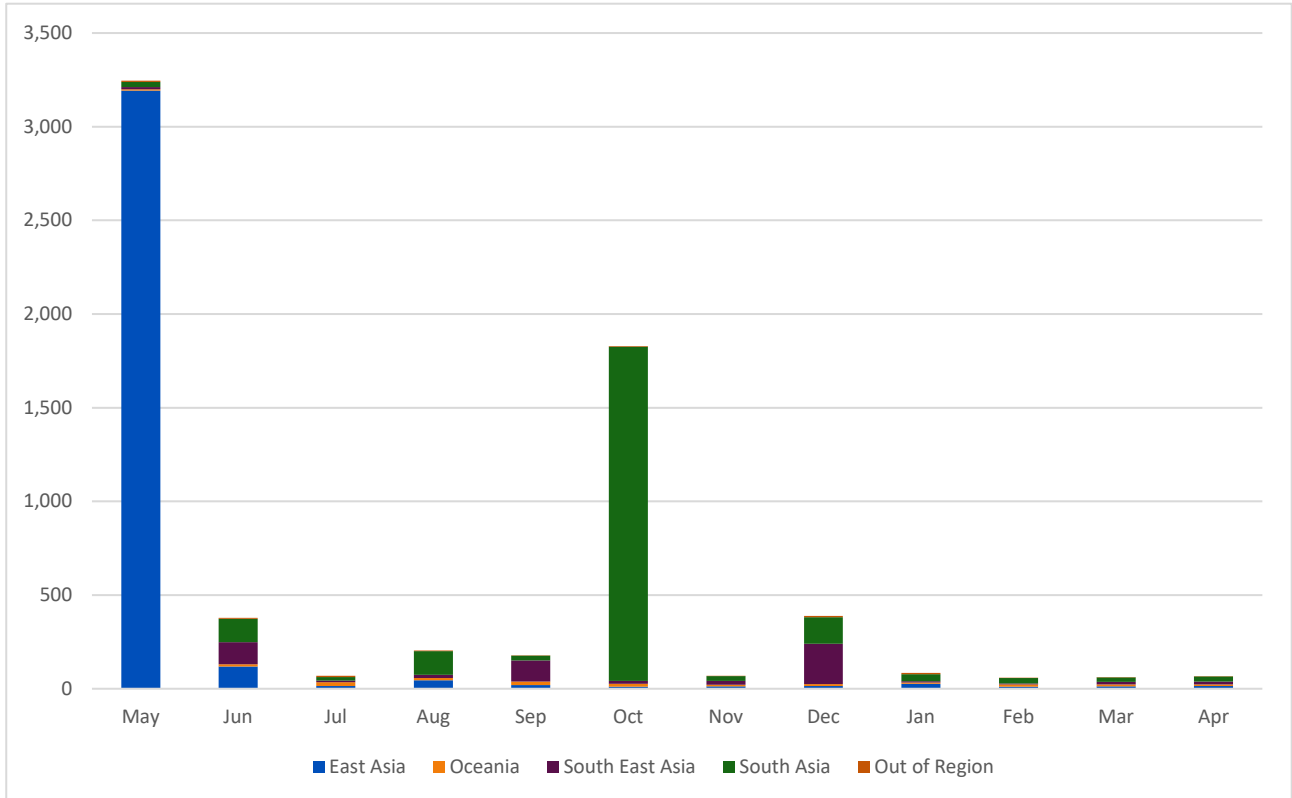


Figure 11: ASN delegations by sub-region (including NIRs)

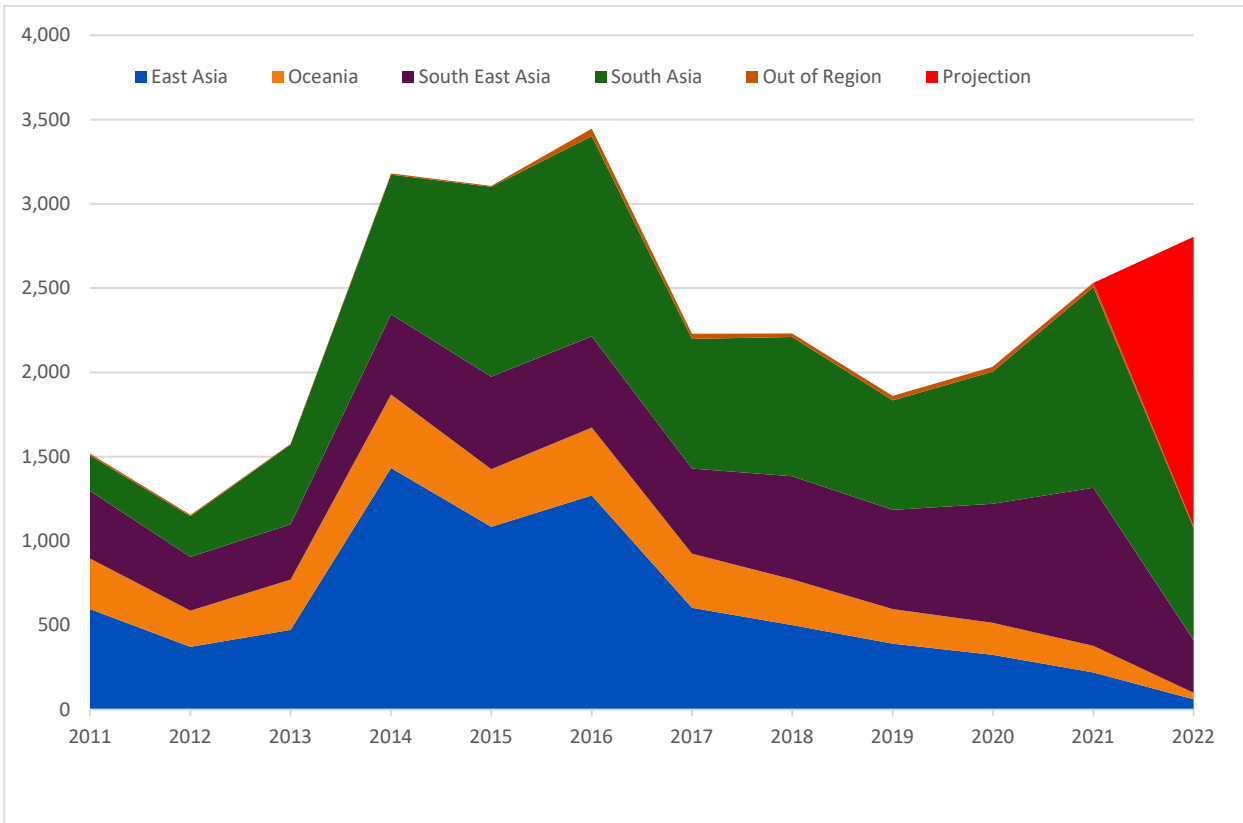


Figure 12: Annual IPv4 delegations

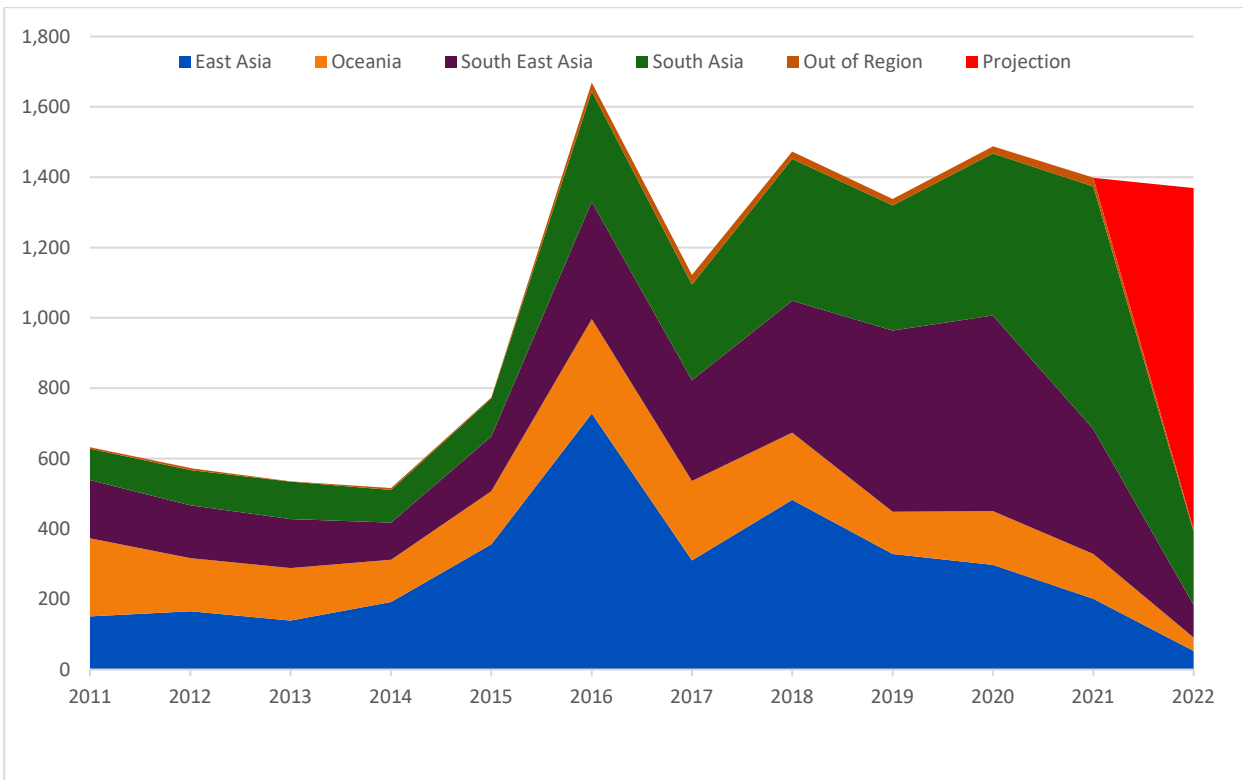


Figure 13: Annual IPv6 delegations

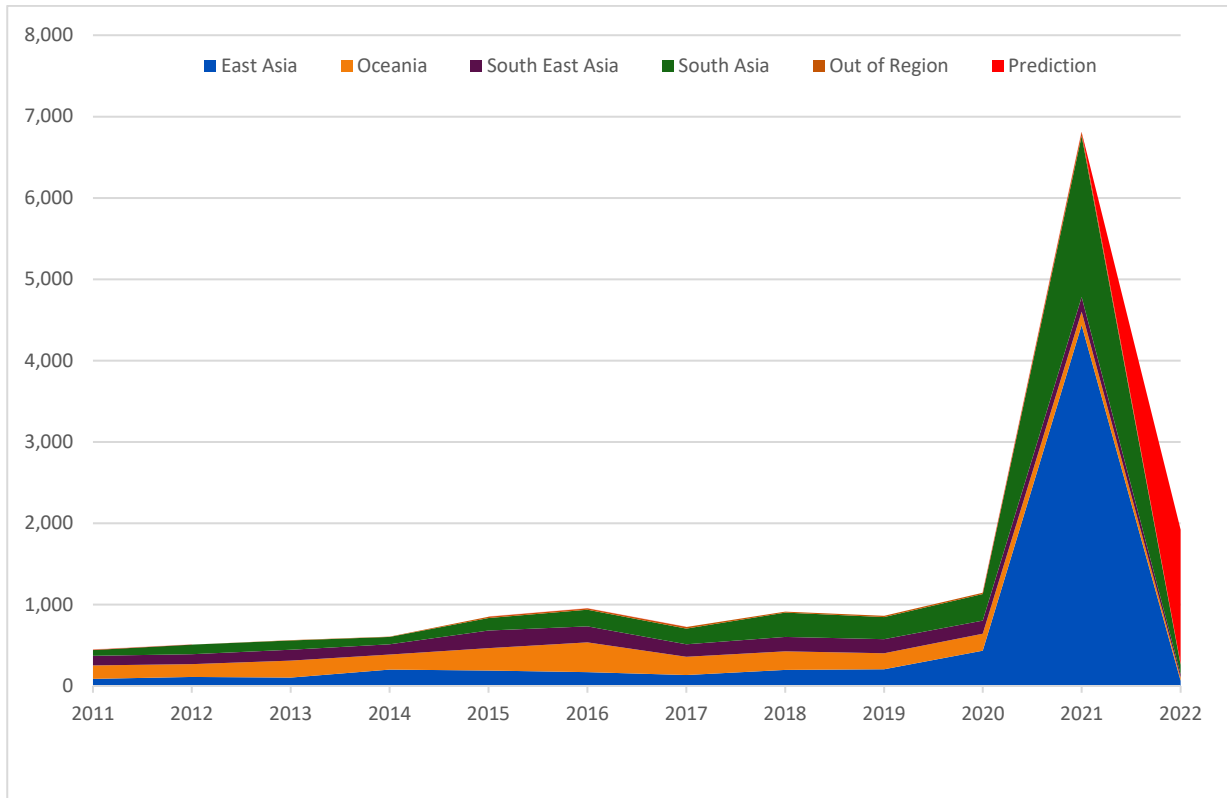


Figure 14: Annual ASN delegations

**Member resource holdings**

- The percentage of Members holding IPv6 reached 69.1% on 30 April 2022, up from 68.43% on 31 December 2021. The proportion of APNIC Members holding specific resource types is illustrated below.

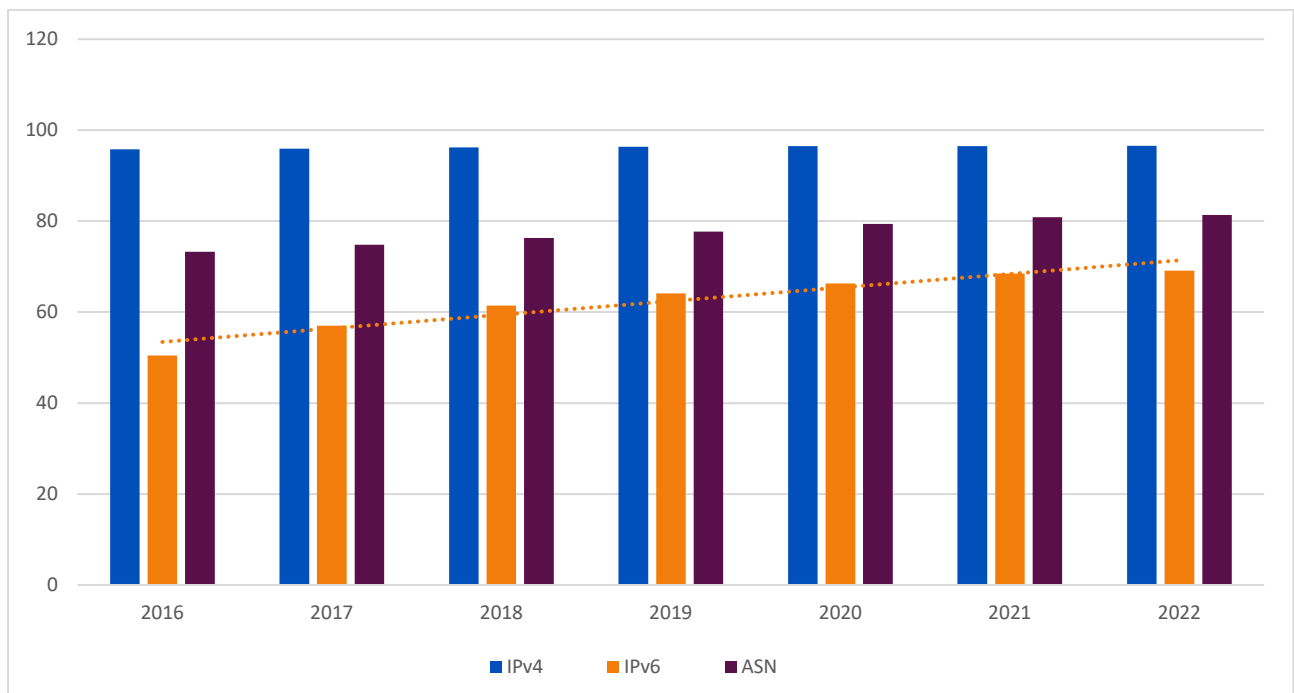
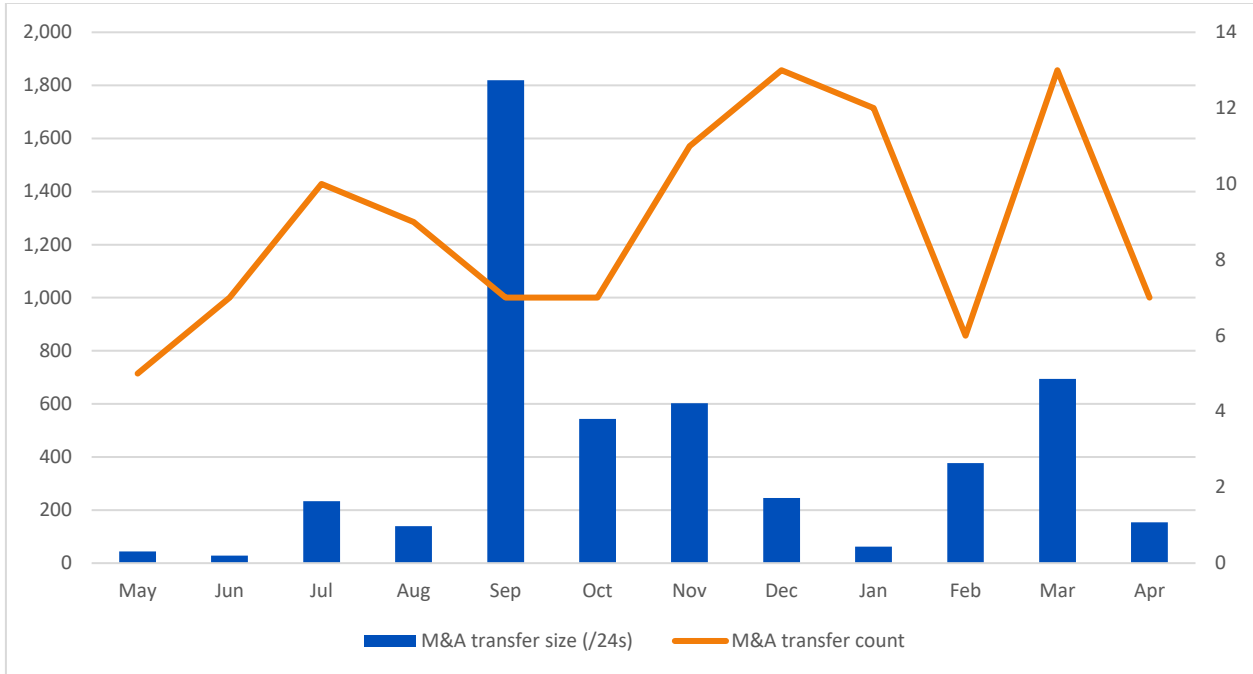


Figure 15: Member resource type holdings

**IPv4 transfers: Mergers/acquisitions and historical**

- M&A transfer activity in 2022 was at its highest in March.
- A large transfer that occurred within TWNIC accounts for the peak in September 2021.



**Figure 16: M&A and historical transfers**

**IPv4 market transfers**

- Tencent (China) made a large transfer between their accounts in April 2022.
- Large IPv4 transfers from APIDT in June and November, between Triple T (Thailand) accounts in August, and between Tencent accounts in December, drove elevated transfer volumes in 2021.

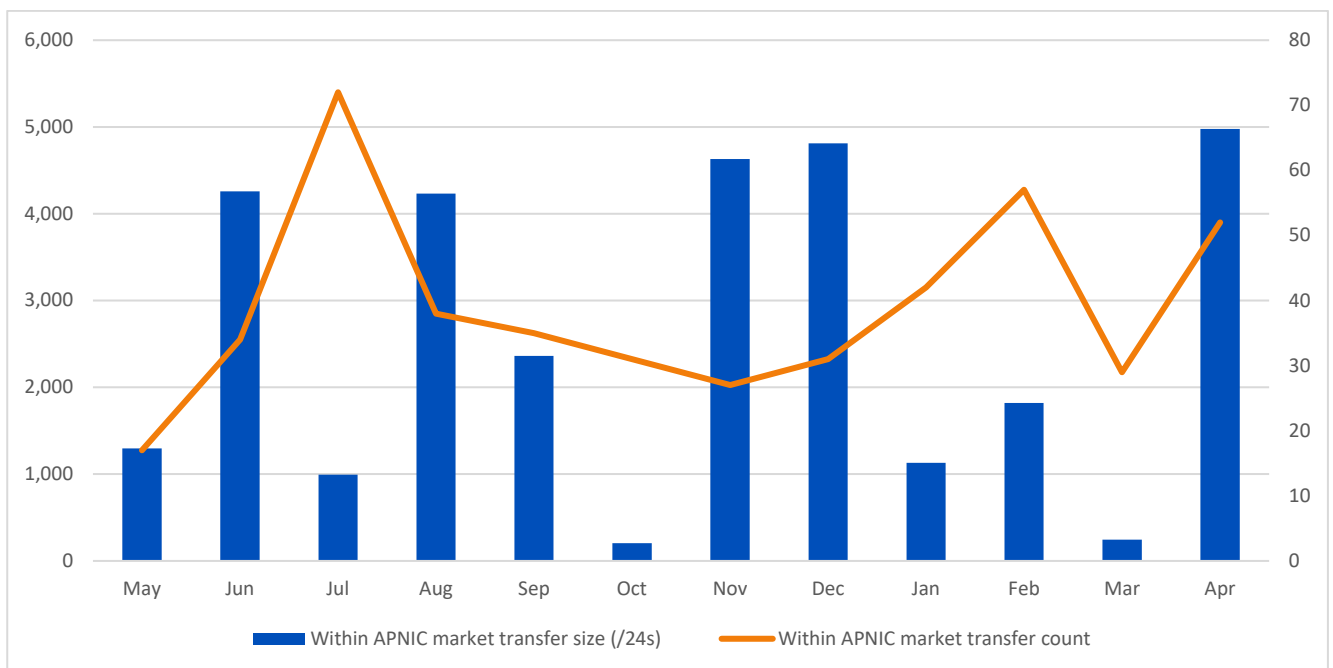


Figure 17: Market transfers within APNIC

Market transfers: Inter-RIR

- No large inter-RIR market transfers occurred in the last 12 months.

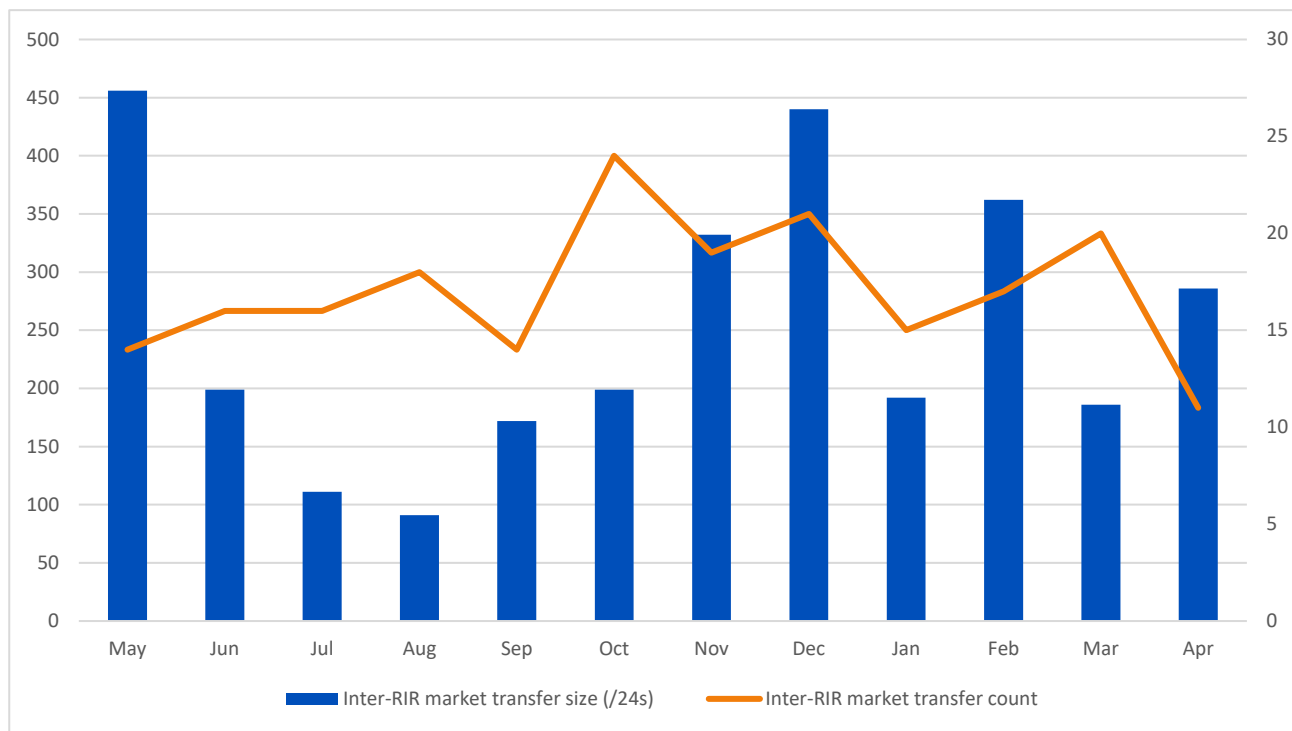


Figure 18: Inter-RIR IPv4 transfers

Success Indicators – 2A.1.		Results	Status
1	Maintain Registration Services SLA of two business day response to enquiries.	100% achieved	●
2	Increase percentage of Members holding IPv6 address space to at least 70% from 68%.	69.1%	●

2A.2 Maintain correct and current registry data

**Objective:** Ensure registry data is comprehensive, current, and correct.

- Improvements were made to IRT validation under Prop-125:
  - Members with invalid IRT objects were identified and assisted with completing their validation.
  - 7,576 of 9,549 active accounts have a validated IRT object. The IRT validation rate is 79.3%.
- Identifier Technical Health Indicators (ITHI)
  - Under ITHI, number registry data accuracy is measured as Comprehensive, Correct, and Current. The following are the measurements for resources managed by APNIC, excluding NIRs.
  - Comprehensive:
    - APNIC resources accounted for in the NRO extended delegation statistics: 100%.

- APNIC resources not duplicated in the NRO extended delegation statistics: 100%.
- Resource registration completeness:
  - Legal name (org object) (weight 25%)
  - Legal address (org object) (weight 25%)
  - Point of contact (IRT) (weight 50%)

Type of Record	Number of Records	Score	% of total records
Have a parent block with org object and IRT	37,752	100	88.7%
Have no org object and no IRT	3,965	0	9.3%
Have IRT but no org object	843	50	1.98%
Have org object but no IRT	2	50	.0004%

**Table 5: ITHI measurement: ‘Comprehensive’**

- Correct:
  - Measurement 1: Member has confirmed their details as correct and created an org object (50%).
  - Measurement 2: Validated the IRT within the last 12 months (50%).

Type of Record	Number of Records	Score	% of total records
Have a parent block with org object and validated IRT	30,658	100	72.03%
Have org object but no validated IRT	7,096	50	16.7%
Have no org object and no validated IRT	4,413	0	10.38%
Have validated IRT but no org object	395	50	.92%

**Table 6: ITHI measurement: ‘Correct’**

- Current (to be implemented later in 2022)

	Success Indicators – 2A.2.	Results	Status
1	Comply with ITHI reporting requirements.	2/3 implemented	●
2	Increase validation of registration records to at least 85% from 76%.	79.3%	●

## 2B Registry Products

### Operations

#### 2B.1 Internet number registry management

**Objective:** Register address space allocations and assignments to ensure uniqueness and provide information for Internet troubleshooting at all levels.

##### NIR API

- An API to assist NIR resource administration and registry accuracy was deployed in an external test environment in Q1. The API will be made available directly to the NIRs in May.

Success Indicators – 2B.1.		Results	Status
1	Maintain APNIC Registry Management System (ARMS) availability of at least 99.99%.	99.99%	<span style="color: orange;">●</span>

#### 2B.2 Registry product management

**Objective:** Provide essential registry products and services to help network operators maintain a secure, available, and stable Internet.

##### RDAP

- APNIC's RDAP service was updated to comply with the RIR RDAP profile.

Success Indicators – 2B.2.		Results	Status
1	Maintain whois, RDAP, RPKI, RDNS and IRR availability of at least 99.99%.	99.99%	<span style="color: orange;">●</span>
2	Update APNIC RDAP to comply with the RIR RDAP profile.	Completed	<span style="color: green;">●</span>
3	Migrate RDNS API services to CentOS 7.	Scheduled for Q3	<span style="color: orange;">●</span>

### Investments

#### 2B.3 Registry product development

**Objective:** Develop and improve essential registry products and services.

- The development of the route management pre-validation feature is approximately 75% complete.

Success Indicators – 2B.3.		Results	Status
1	Achieve all 2022 goals, according to the <a href="#">Registry Products Roadmap</a> .	In progress	<span style="color: orange;">●</span>

## 2B.4 Registry re-architecture

**Objective:** Improve security, reliability, and efficiency of the APNIC registry, and facilitate easier development of future registry services and functions required by the community.

- A prototype of the APNIC Registry API was deployed for public testing and promoted at APRICOT 2022, with production deployment scheduled for Q3.

	Success Indicators – 2B.4.	Results	Status
1	Progress development of a Registry API with a completion target of 2023.	In progress	●
2	Progress reimplementation of the internal registry in Java with a completion target of 2023.	Scheduled for Q4	●

## 2B.5 Readiness for Five-9s Availability for Highly Critical Services

**Objective:** Define ‘highly critical services’ and prepare for 99.999% availability for these services.

- Services such as whois, RDAP and reverse DNS were identified as ‘highly critical’ services.
- Contract negotiations are in progress with an external consultant to perform a gap analysis.

	Success Indicators – 2B.5.	Results	Status
1	Achieve readiness to implement by end of 2022.	In progress	●

## 2C Policy development

### Operations

#### 2C.1 Policy development

**Objective:** Ensure resource policies in the APNIC region are developed in line with the community-agreed PDP.

##### APNIC 53

- Three policy proposals were considered at the APNIC 53 Open Policy Meeting (OPM). All reached consensus in the OPM and AGM:
  - [prop-142](#): Unify Transfers Policies Text
  - [prop-143](#): ASN to Customer
  - [prop-144](#): Experimental Proposal Allocation
- A summary of the proposals was published in eight languages.
- [prop-141](#) (Change maximum delegation size of IPv4 address from 512 (/23) to 768 (/23+/24) addresses) was presented for discussion only and not put to the community for consensus.



- Following the meeting, the comment period for prop-142, -143, and -144 closed with no objections raised and the policies were endorsed by the APNIC EC for adoption.

Success Indicators – 2C.1.		Results	Status
1	Achieve SIG Chair Support satisfaction of at least 6/7.	N/A	●
2	Achieve PDP satisfaction of at least 5.75/7 in the APNIC Survey.	N/A	●
3	Participate in all NIR OPMs.	N/A	●

## 2C.2 Policy implementation

**Objective:** Implement APNIC resource policies in a neutral manner consistent with agreed processes, timings, and community expectations.

- Implementation of prop-142, -143, and -144 is in progress.

Success Indicators – 2C.2.		Results	Status
1	Meet 100% of implementation timelines.	3/3 in progress	●

## 2C.3 Policy analysis

**Objective:** Provide neutral policy advice and impact analysis to help the APNIC community make informed policy decisions.

- Impact assessments of the three policy proposals discussed at APNIC 53 were published on the Policy SIG mailing list.

Success Indicators – 2C.3.		Results	Status
1	Publish a policy proposals analysis before each Open Policy Meeting (OPM).	1/1 published	●

### 3 Development



#### Operations

#### 3A APNIC Conferences

##### 3A.1 APNIC conferences

**Objective:** Provide two conferences each year for the APNIC community to learn, share ideas and experiences, build relationships, and develop Internet policy.

##### APRICOT 2022 / APNIC 53

- APRICOT 2022 was held online from 21 February to 3 March 2022.

Conference statistics	
Total number of remote participants (Zoom)	886
Economies represented	64
Remote viewers – YouTube	3,854 views; 870.49 hours
#apricot2022 tweets	210 from 114 users

**Table 7: APRICOT 2021 statistics**

- The tutorial week from 21 to 25 February attracted 519 attendees, with 502 attending the conference from 28 February to 3 March.
- At the APNIC EC election, Sumon Ahmed Sabir (4,084 votes), Kams Sze Yeung (3,238 votes), and Achie Atienza (3,057 votes) were elected for two-year terms.
- Other Internet community events held at APRICOT 2022 included the DotAsia AGM, APIX meeting, AP\* Retreat, and APNG Camp 15.
- The delegate survey Net Promoter Score (NPS) was 60.

##### APNIC 54

- APNIC 54 will be held in a ‘hybrid’ format, in Singapore and online, from 8 to 15 September 2022.
- The conference will be co-located with APriGF 2022, APSIG 2022 and SGN0G 9 in Singapore. Negotiations with venues are ongoing.
- A revised program structure was developed to suit both online and face-to-face audiences.

	Success Indicators – 3A.1.	Results	Status
1	Achieve total attendance of 1,200 (face-to-face and online) across two conferences.	886	●
2	Achieve participant satisfaction of at least 90% at each conference.	96%	●
3	Achieve Net Promoter Score of at least 50 at each conference.	NPS 60	●

### 3B Foundation support

#### Investments

##### 3B.1 Operational and administrative support

**Objective:** Provide support to the Foundation under the AoC of 2018.

- Six positions were seconded from APNIC.
- After resignation of the Finance Manager in February 2022, support was provided by the APNIC finance team until a replacement is recruited.
- Ongoing hosting and technical support continues for administrative, project and financial platforms.

### 3C Community Engagement Operations

##### 3C.1 Technical community support

**Objective:** Participate in, and encourage the development of, a healthy Asia Pacific technical community.

#### NOGs and other technical community events

Month	Event	Location	Sponsorship	Committee/PC	Talk/Panel discussion	Training	Tech / Zoom Support
Jan	JANOG 49	East Asia	✓				
Mar	APAN 53	South Asia	✓	✓	✓	✓	
Mar	MMIX AGM & Peering Forum 2022	South East Asia			✓		✓
Mar	PhNOG 2022	South East Asia		✓		✓	✓
Apr	AusNOG 2022	Oceania		✓			
Apr	PCTA e-Tech Show 2022	South East Asia				✓	

**Table 8: NOG and technical community event participation**

Success Indicators – 3C.1.		Results	Status
1	Support at least 30 technical community events (opportunity permitting).	6 supported	●
2	Support at least one new/revived NOG in two sub-regions (if required).	In progress	●

##### 3C.2 Security community support

**Objective:** Increase collaboration and build trust with the security community, and increase awareness around relevant security issues.

**Security community event support**

Month	Event	Location	Type	Sponsorship	Committee / PC	Presentation / Panel	Training	Participation
Jan	MyFinTechWeek 2022	MY	Security Community			✓		
Feb	M3AAWG 54th General Meeting	Global	Security Community					✓
Mar	Quarterly Threat Sharing & HoneyNet Community Session	Asia Pacific	Security Community			✓		
Mar	Indonesia HoneyNet Project Workshop	ID	Security Community				✓	
Mar	PacSON Virtual Webinar	Pacific Region	CERT			✓		

**Table 9: Security community event support**

**Other event support with security expertise**

Month	Event	Location	Type	Sponsorship	Committee/ PC	Presentation/ Panel	Training	Participation
Feb	APRICOT 2022	Asia Pacific	Other			✓		
Feb	APNIC 53 NIR Workshop	Asia Pacific	Other				✓	
Mar	APAN 53	Asia Pacific	Other		✓	✓		✓
Mar	KHNOG 4	KH	NOG				✓	

**Table 10: Other event support with security expertise**

Success Indicators – 3C.2.		Results	Status
1	Support at least 12 security community events (opportunity permitting).	5 supported	●
2	Support development of at least four new or existing CERTs/CSIRTs (if needed).	Commencing Q2	●
3	Organize quarterly threat sharing community events.	1 completed	●

**3C.3 Internet organization cooperation**

**Objective:** Seek opportunities to strengthen collaboration with other regional and global Internet organizations.

**NRO and RIRs**

- APNIC is responsible for Chairing the NRO EC and the NRO Coordination Groups during 2022.

- An NRO planning process started with a face-to-face NRO EC retreat in Dubai in February.
- The Public Affairs Coordination Group (PACG) met in Geneva, alongside the ITU-WTSA, to discuss 2022 activities.
- Staff participated in the following NRO meetings: NRO EC (4), ECG (1), PSCG (2) and CCG (1).
- The Internet Technical Success Factors study commissioned by APNIC and LACNIC in 2021 was featured at the APNIC 53 Cooperation SIG.
- Staff participated in ARIN 49 in Nashville, USA.

### I\* (ICANN, IETF, ISOC, ITAC)

- Staff participated in four Internet Technical Collaboration Group (ITCG) calls.
- Staff participated in two OECD ITAC calls to coordinate work on an OECD draft document on routing and DNS security, and to prepare for a Ministerial Conference on the Digital Economy in December.
- Staff participated remotely in ICANN 73 and IETF 113.
- APNIC is co-funding a consultant (Caroline Greenaway) to help monitor ITU activities in 2022.

Success Indicators – 3C.3.		Results	Status
1	Ensure APNIC is represented in all NRO EC and 'I-Star' coordination meetings.	6/6 completed	●
2	Participate in all RIR Open Policy Meetings.	1/1 completed	●

### 3C.4 Internet governance participation

**Objective:** Engage the community to strengthen open, multistakeholder, bottom-up and transparent Internet governance processes.

#### IGF

- Staff participated in three IGF Multistakeholder Advisory Group (MAG) meetings, including the first Open Consultations for IGF 2022, and three IGF Support Association (IGFSA) Executive Committee Meetings.
- Joyce Chen was invited as an expert to participate in the new IGF Policy Network on Internet Fragmentation.

#### APrIGF

- APrIGF 2022 and APSIG 2022 will be co-located with APNIC 54 in Singapore in September.
- Staff were elected as co-convenors of the APrIGF Program Committee (PC) and Stakeholder Engagement Committee (SEC) and participated in four APrIGF Multistakeholder Steering Group (MSG) meetings, nine PC meetings, and six SEC meetings.
- Staff are also members of the Fellowship and Events Committees and participated in eight Fellowship Committee meetings, and ten Event Committee meetings.
- Staff convened eight APrIGF planning meetings with the community.

**Sub-regional and economy-level IGFs**

- Staff participated in three Steering Committee meetings for NetThing (Australia).
- Staff presented at the YIGF Vietnam and YIGF Myanmar.

	Success Indicators – 3C.4.	Results	Status
1	Organize at least three workshop proposals at APriGF 2022.	In progress	●
2	Support at least five national or sub-regional Internet governance events.	3 supported	●

**3C.5 Government engagement**

**Objective:** Build and maintain meaningful relationships between APNIC and government and public safety agencies in the region.

**Intergovernmental forums**

- ITU
  - Staff participated in the ITU WTSA-20, ITU Interregional Meeting for WTSA-20 (IRM) and TSAG meetings.
  - Discussions continued with the ITU Regional Office on a Pacific cybersecurity project. Collaboration on establishing a Samoa IXP is underway.
- APT
  - Staff participated in APT Preparatory Meetings for WTDC-21 and PP-22.
  - Collaboration with the APT Secretariat to provide training to APT member states (Mongolia and Myanmar) is underway.
- OECD
  - Staff monitored the 6th Session of the Working Party on Security in the Digital Economy.
- Other
  - Staff monitored discussions at the UN Open Ended Working Group (OEWG) informal consultations.

**Bilateral government engagement**

- Advice was provided to the Australian and Japanese governments in ITU and APT meetings.
- Advice was provided to the Singapore government on Internet governance matters.

**Law Enforcement and Public Safety**

- Staff met with AFP representatives from Cyber Safety Pasifika to organize LEA training for 2022.
- Jamie Gillespie participated as a mentor in a meeting of the Cyber Safety Pasifika Scholarship peer group.

	Success Indicators – 3C.5.	Results	Status
1	Participate in at least 12 governmental or intergovernmental engagements.	2 engagements	●
2	Support at least three governmental capacity-building events.	In progress	●

### 3C.6 External relations coordination

**Objective:** Build institutional knowledge of APNIC’s relationships with Members and other stakeholders, and improve value and outcomes of engagement activities.



Figure 19: Engagements summary by type

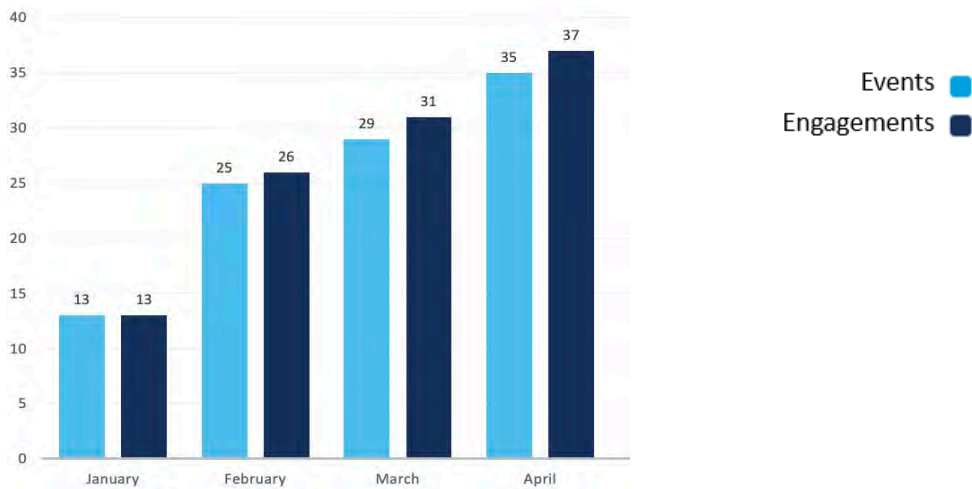
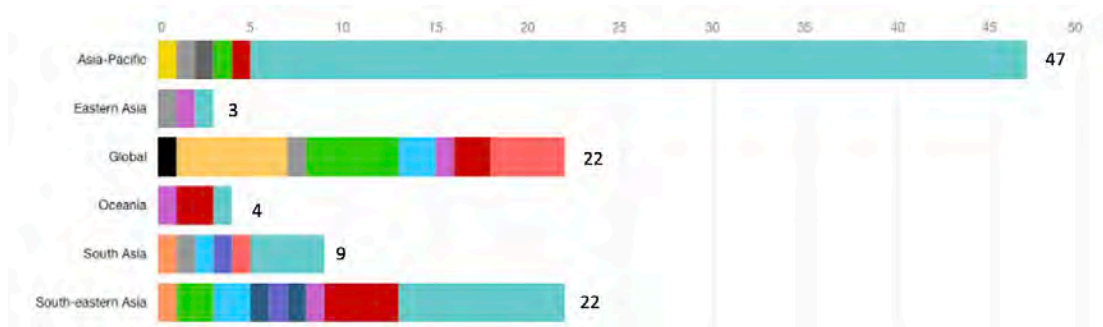


Figure 20: Engagement summary by month



*\*New subregion added as 'Asia Pacific' to capture live eTutorials delivered for the AP region and regional events that are not economy specific.*

Figure 21: Engagement summary by subregion/type



**Legend**

- Complete
- Planned
- Foundation Supported
- Remote

APNIC		Membership Development	
CERT Engagement		NIR Engagement	
Coordination		NOG	
Development		Other	
Foundation Engagement		Product Engagement	
Foundation Projects		Security	
Government		Technical	
Internet Governance		Technical Assistance	
Member Outreach		Training	

<b>South Asia</b>	<b>Oceania</b>
• AF	<b>Australia and New Zealand</b>
• BD	• AU
• BT	• CC
• IN	• CX
• IO	• NF
• LK	• NZ
• MV	<b>Melanesia</b>
• NP	• FJ
• OP4	• NC
• PK	• PG
<b>South-eastern Asia</b>	• SB
• BN	• VU
• CC	<b>Micronesia</b>
• CX	• FM
• ID	• GU
• KH	• KI
• LA	• MH
• MM	• MP
• MY	• NR
• OP3	• PW
• PH	<b>Open</b>
• SG	• OP1
• TH	<b>Polynesia</b>
• TL	• AS
• VN	• CK
<b>Eastern Asia</b>	• NU
• CN	• PF
• HK	• PN
• JP	• TK
• KP	• TO
• KR	• TV
• MN	• WF
• MO	• WS
• OP2	<b>Southern Africa</b>
• TW	• TF
<b>Asia-Pacific</b>	<b>Global collaboration</b>
• AP	

*\*Global collaboration is for events dedicated and engaged outside the Asia Pacific region. Asia Pacific refers to events delivered for the AP region or regional events that are not economy specific.*

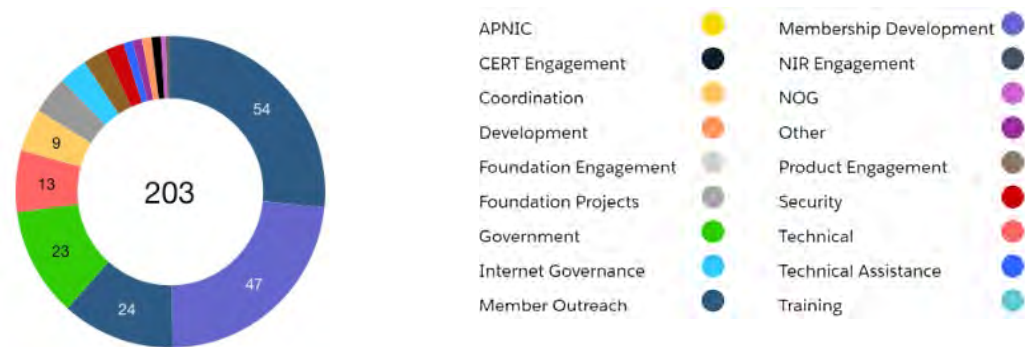
*\*South East Asia, South Asia, East Asia and Oceania now each have an 'Open Economy (OP1, OP2, OP3, OP4) to capture delivery of events targeted to a specific subregion and not others, to avoid diluting the stats for Asia Pacific.*

Figure 22: Engagement detail by economy

Touchpoints by month



Touchpoints by engagement types



Unique contacts in touchpoints by subregion



Figure 23: Touchpoints summary

Note: Touchpoints are records of interactions by APNIC staff with a contact (APNIC Member or Non-Member), usually during an event.

- An External Relations (ER) coordination retreat was held in February to evaluate 2021 activities and plan for 2022. Four ER team coordination meetings have been held.

	Success Indicators – 3C.6.	Results	Status
1	Increase ER touchpoints by at least 5% from 456 in 2021.	203	●
2	Achieve at least 250 APNIC engagements in 2022.	107	●

### 3D Community Participation

#### Operations

##### 3D.1 Community-led processes

**Objective:** Increase awareness and participation in APNIC community-led processes including the PDP, SIGs (Policy, Cooperation, NIR, Routing Security), Working Groups, and BoFs.

- The Policy Document Review Working Group (WG), formed in 2021, completed its work at APNIC 53. Consensus was reached on seven WG policy proposals across APNIC 52 and 53.
- One intersessional online SIG meeting was held; a policy readout webinar in February attracted 19 participants. The Routing Security SIG intersessional planned for April was postponed.

##### Elected Leaders

- The first online discussion between the APNIC EC, elected representatives of the SIGs, IANA RC, NRO NC, members of APIX and APNOG, and Secretariat staff for 2022 was held on 29 March.
- The discussion covered feedback on the APRICOT conference and a community-led proposal on an election candidate nomination committee process.

	Success Indicators – 3D.1.	Results	Status
1	Achieve at least 850 online SIG participants across two conferences.	216	●
2	Achieve at least 120 online participants across at least four intersessional SIG meetings.	1 meeting/19 participants	●
3	Achieve SIG satisfaction of at least 5.8/7 in the APNIC Survey.	N/A	●

##### 3D.2 Online participation

**Objective:** Encourage community development online and help Members and the community benefit from APNIC's available online resources.

- Planning and development of the Online Community Platform continued (see 3D.4).

apnic.net

- Visitor numbers to apnic.net have averaged higher in 2022, peaking in February. The top five visitor economies were the United States, New Zealand, China, India and Philippines.

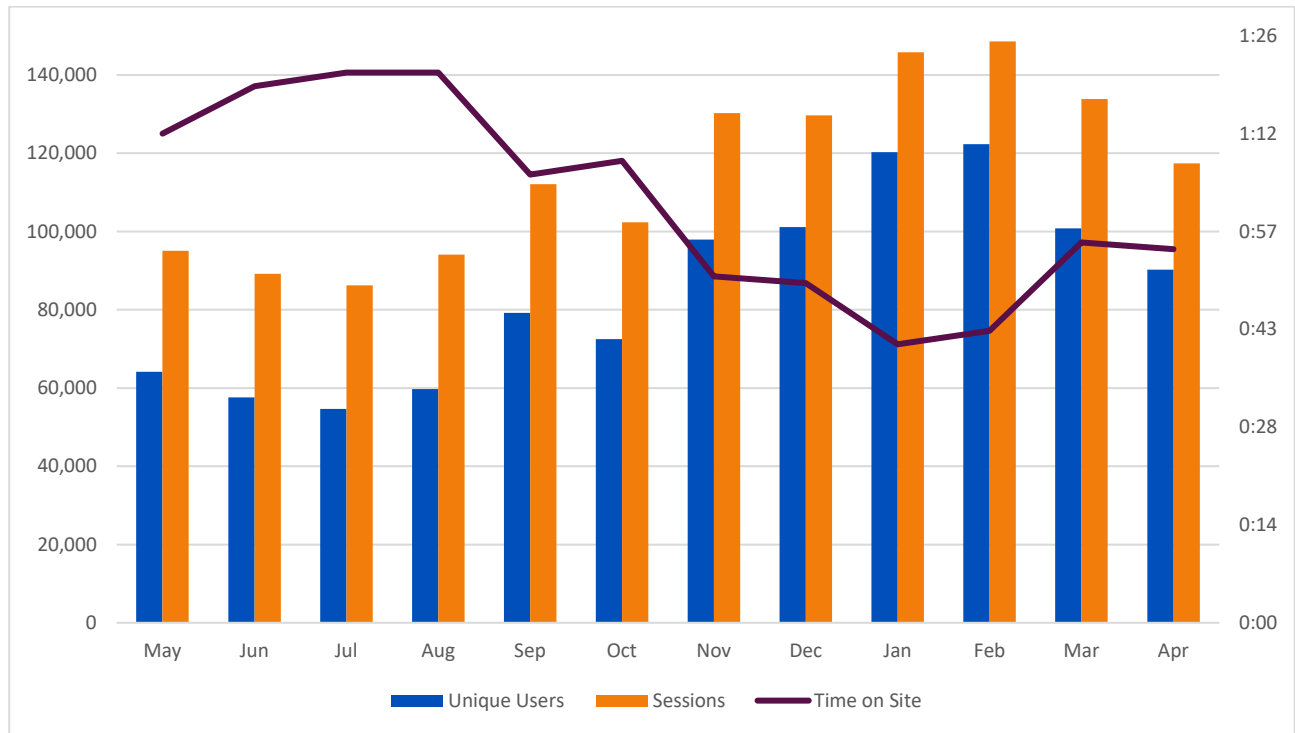


Figure 24: apnic.net website visits

Economy	Unique Users	Total Sessions
United States	206,716	210,356
New Zealand	36,320	37,795
China	29,611	37,010
India	29,312	36,575
Philippines	23,249	38,564
Australia	14,522	22,392
Japan	13,110	18,431
Bangladesh	10,139	20,133
Indonesia	6,690	9,421
Hong Kong	4,607	22,467

Table 11: Top 10 economies — apnic.net website sessions and visitors

	Success Indicators – 3D.2.	Results	Status
1	Achieve at least 500 registered users of the APNIC community platform.	Platform launch Q3	●

### 3D.3 Encouraging newcomers and diversity

**Objective:** Encourage new and continuing participants from diverse backgrounds in the APNIC community — both online and face-to-face — particularly the next generation of network engineers.

- The 2022 fellowship program was launched in March.
  - Thirty fellows were chosen (15 female and 15 male; 19 professionals and 11 youth) from 371 applicants.
  - South Asia has 12 fellows, Oceania 7, South East Asia 7, and East Asia 4. An additional 14 returning fellows from the 2021 program will also attend APNIC 54.
  - Two fellowship webinars have been delivered with 87% overall attendance.
- 46% of APRICOT 2022 attendees (406) were newcomers.

	Success Indicators – 3D.3.	Results	Status
1	Attract at least 400 newcomers to APNIC conferences.	406	●
2	Achieve at least 50% female and 30% youth participation in 2022 Fellowships.	50% female and 37% youth	●
3	Achieve a fellowship graduation of at least 80%.	N/A	●
4	Achieve a fellowship program NPS of at least 80.	N/A	●

## Investments

### 3D.4 Online community platform

**Objective:** Encourage an active, connected APNIC community engaging on an integrated online community platform.

- The roadmap for creating a Minimum Viable Product (MVP) was developed, with Mailman 3’s “Hyperkitty” interface chosen for the platform.
- Work commenced on configuring the platform back end, with a test server operational. The design and branding for the MVP front end is nearing completion. The rollout plan aims for a Q3 release.

	Success Indicators – 3D.4.	Results	Status
1	Achieve at least 500 registered users of the platform.	Platform launch Q3	●

### 3E APNIC Academy

#### Operations

##### 3E.1 Academy product management

**Objective:** Maintain high-quality training assets to build capacity in the region.

- A new self-paced Open Shortest Path First (OSPF) course was published. The course includes 56 topics and ten hours of new learning material.
- New virtual labs were added including DHCPv6-PD, the RPKI Lab with RPKI-Prover, RPKI Lab with FORT and Practical Packet Analysis.
- Finalized content for the last three modules for the new Introduction to Cybersecurity course and developed the first two (of 10) modules for the new BGP self-paced course.
- Maintained the APNIC Academy’s core software platform with the latest software updates, security fixes and plug-ins.

Success Indicators – 3E.1.		Results	Status
1	Maintain Academy platform availability of at least 99.95%.	100% uptime	●
2	Achieve a rating of at least 6.00 for APNIC training in the APNIC Survey.	N/A	●

##### 3E.2 Instructor-led Training

**Objective:** Increase knowledge and skills in the community via instructor-led training.

- Planning began for future face-to-face training as travel and COVID-19 restrictions begin to lift. Instructor-led training was delivered as a mix of online and hybrid (online and face-to-face support).
- Held an RPKI Deployathon (face-to-face) in Sydney before AusNOG 2022 (3E.6). Training was also conducted at KHNOG (KH), MMIX (MM), CNNIC (CN), PHNOG and PCTA (PH), IRINN (IN), PTA (PK) and APAN (AP).
- Completed updating content and developing labs for the following existing courses:
  - Network Security: New SSL/TLS slides and lab module; new Intrusion Detection with Suricata module with labs.
  - RPKI/ROV: Updated lab guides and added three new validators (rpki-prover, rpki-client, and FORT).
  - Rebuilt the DNS/DNSSEC labs.

January to April 2022	APNIC Instructor-led training
Courses (by topic)	50 courses delivered/1,337 attendees
Webinars	6 webinars (3 external/guest speakers)/321 attendees

**Table 12: Instructor-led training**

	Success Indicators – 3E.2.	Results	Status
1	Conduct at least 100 instructor-led tutorials / workshops.	50 tutorials / workshops	●
2	Conduct at least 18 live webinars.	6 webinars	●
3	Achieve average training survey rating of 4/5.	4.4/5	●

### 3E.3 Self-paced training

**Objective:** Increase knowledge and skills in the community via self-paced online training.

January to April 2022	APNIC Academy
<b>Courses (by topic)</b>	690 completions; 1,174 hours contact
<b>Virtual Labs</b>	2,329 labs launched; 2,366 hours completed
<b>Students</b>	2,975 new accounts (19,993 in total)
<b>Locations</b>	48 economies

Table 13: APNIC Academy training

	Success Indicators – 3E.3.	Results	Status
1	Increase total self-paced online course usage by at least 30% from 3,340 hours in 2021.	1,174 hours	●
2	Increase total virtual lab usage by at least 20% from 6,902 hours in 2021.	2,366 hours	●
3	Increase registered users of the APNIC Academy by at least 25% from 17,018 in 2021.	19,993 users	●

### 3E.4 Community Trainers

**Objective:** Expand the scope and effectiveness of APNIC Academy training to help meet increasing community demand for technical skills development.

- A new APNIC Retained Community Trainer program was introduced with two new trainers recruited:
  - Liezel Manangan (Philippines)
  - Makito Lay (Cambodia)
- There are currently 30 active Volunteer Community Trainers from 15 economies. One new volunteering Community Trainer was recruited:
  - Phyto Phyto Hein (Cambodia)

	Success Indicators – 3E.4.	Results	Status
1	Recruit at least 12 new retained CTs.	2/12	●
2	Recruit at least 10 new volunteering CTs.	1/10	●

### 3E.5 Technical Assistance

**Objective:** Assist Members on adoption of best practices when implementing networking technologies.

#### RPKI

- Provided RPKI validator assistance for a Malaysian network via the TA platform.
- Proactively contacted Members in Fiji to assist in cleaning up invalid routes (3E.6).

#### DNS/DNSSEC

- Provided assistance to .FJ to help solve a DNSSEC issue.

#### IPv6

- Assisted an ISP in Pakistan to clean up their IPv6 and IPv4 BGP announcements.

#### IXPs

- PKIX: coordination for ROV, root server deployment and CDN consolidation. Work is ongoing.
- MVIX: Design will be implemented once quotes for equipment are accepted.

#### Network assistance

- Helped Tonga re-establish communication to outer islands via satellite (following the volcanic eruption in late December 2021). Supplied and configured a donated Cisco ASR router to Tonga Communications Support.
- Assisting the Papua New Guinea government to migrate their network from Huawei equipment to Cisco.

	Success Indicators – 3E.5.	Results	Status
1	Respond to all technical assistance requests within seven days.	On track	●

### 3E.6 RPKI awareness and deployment support

**Objective:** Increase adoption of RPKI and routing security in the APNIC region.

- Proactively contacted Members in Fiji to assist in cleaning up invalid routes.
- An RPKI Deployathon was held in Sydney before AusNOG 2022.
- A RPKI deployment case study on Comcast was published. Thirteen RPKI-tagged posts were published on the APNIC Blog, including an updated post on how to install an RPKI validator.



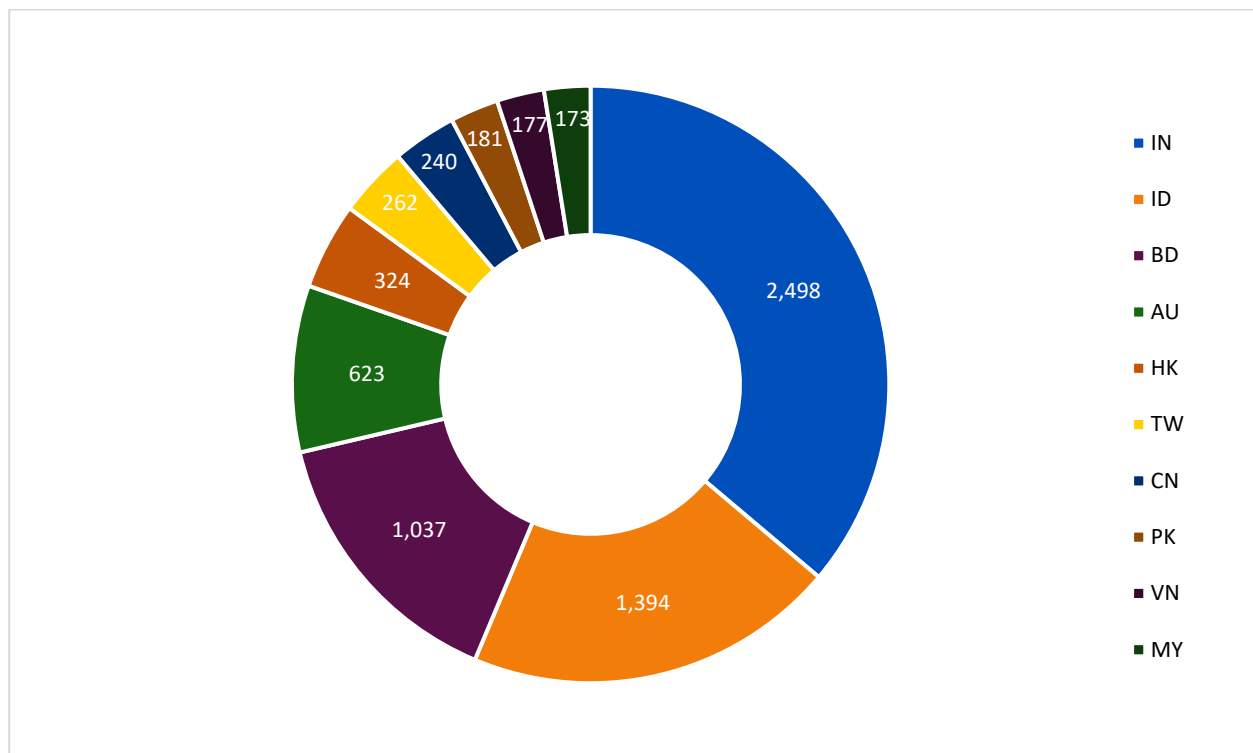


Figure 25: Top 10 Economies – Number of networks with ROAs

Success Indicators – 3E.6.		Results	Status
1	Conduct at least two instructor-led RPKI/ROV tutorials/workshops per sub-region.	3 conducted (1 EA, 1 SA 1 OC)	●
2	Achieve at least 90% ROA coverage for at least one additional economy per sub-region.	In progress	●
3	Publish at least three RPKI/ROV deployment case studies.	1/3	●

### 3E.7 IPv6 awareness and deployment support

**Objective:** Encourage increased deployment of IPv6 in the APNIC region.

- APNIC delivered 11 IPv6 deployment-focused training events.
- Published a new IPv6 deployment success story on NTT DOCOMO, bringing the total number of IPv6 deployment stories on the APNIC website to 43. An IPv6 deployment podcast with Reliance Jio was also published.
- Published 17 IPv6-tagged posts on the APNIC Blog.
- IPv6 capability for the Asia Pacific region was 39.18% as measured by APNIC Labs.

Success Indicators – 3E.7.		Results	Status
1	Conduct at least two instructor-led IPv6 deployment tutorials/workshops per sub-region.	11 completed	●
2	Publish at least two IPv6 deployment case studies.	1/2	●

## Investments

### 3E.8 Academy product development

**Objective:** Continue developing high-quality training assets to build capacity in the region.

- Added Singapore data centre (as the default) for all Academy virtual labs.
- New navigation menus were implemented on the Academy platform.
- Migrated SSO from KeyCloak to OKTA for both Academy and Technical Assistance platforms.
- Added Japanese subtitle option to the IPv6 Fundamentals course and Routing Fundamentals course.
- Commenced the discovery phase of the Training Wiki migration project.

Success Indicators – 3E.8.		Results	Status
1	Achieve all 2022 goals, according to the <a href="#">Academy Products Roadmap</a> .	In progress	●

### 3E.9 Curriculum for non-technical audiences

**Objective:** Demystify how the Internet works to encourage active participation of non-technical audiences in Internet governance.

- Learning objectives were agreed and design documentation was provided to the game developers.
- Game development has started with Chaos Theory as the contractor.

Success Indicators – 3E.9.		Results	Status
1	Release phase 1 of IPGO by June 2022.	In progress	●

## 3F Internet Infrastructure Support

### Operations

#### 3F.1 Internet infrastructure deployment

**Objective:** Improve the resilience and performance of the Internet in the region by expanding critical infrastructure deployment.

**IXPs**

- PKIX (Lahore): In discussion about route server deployment and RPKI. Waiting on the official launch of the IXP.
- MVIX: Waiting for IX equipment to be purchased to start the build.

**RIPE Atlas anchors**

- Viable hardware replacements are being sought for seven disconnected anchor hosts.

**Root Servers**

- Root server deployment is focused on the M-root project (see 3F.3).
- Equipment delivery delays have impacted deployment.

	Success Indicators – 3F.1.	Results	Status
1	Support deployment of at least two new or upgraded IXPs.	2 in progress	●
2	Support at least four IXPs to deploy ROV.	0/4	●
3	Deploy at least four root servers per sub-region, including M-Root servers.	1/4 SEA 0/4 SA 0/4 EA 0/4 OC	●
4	Deploy or upgrade at least one RIPE Atlas anchor per sub-region.	0/4	●

**3F.2 Community Honeynet and Security Threat Sharing Platform**

**Objective:** Increase visibility of security threats and vulnerabilities relevant to Members and the community and encourage information sharing to understand and manage threats.

- Two new partners from Bhutan and Laos joined the platform.
- Datasets from the Community Honeynet Project were used in development of the Practical Packet Analysis course on the APNIC Academy.
- The platform underwent backend enhancements, an upgrade, and maintenance to support an increased number of sensors and data processing. This also includes deploying additional sensors.
- Continued to provide feeds for DASH and partners such as the ShadowServer Foundation.

	Success Indicators – 3F.2.	Results	Status
1	Increase the number of honeypot sensors by at least 60% from 60 in 2021.	70 sensors	●
2	Increase the Community Honeynet and Security Threat Sharing Platform partners by at least 30% from 15 in 2021.	17 partners	●

## Investments

### 3F.3 M-root anycast instance deployment support

**Objective:** Faster and more reliable DNS service in the APNIC region.

- Completed deployment of the M-root in Kuala Lumpur.
- Deployment of M-root servers in 11 locations (Kaohsiung, Manila, Dhaka, Bangkok, Jakarta, Ulaanbaatar, Kathmandu, Mumbai, Lahore, Kolkata, and Singapore) progressed but was impacted by equipment delivery delays. Currently seeking alternative suppliers.

Success Indicators – 3F.3.		Results	Status
1	Complete 10 M-Root server deployments commenced in 2021.	1/10	●
2	Identify and prepare at least 15 additional M-Root server sites.	0/15 6 in negotiation	●

## 4 Information



### Operations

#### 4A Information Products

##### 4A.1 APNIC Blog and Podcast

**Objective:** Keep Members and the community informed with the latest news, opinions, and research from APNIC and the wider community.

	Jan	Feb	Mar	Apr	All time
<b>Views</b>	68,679	62,523	85,087	85,812	3,765,687
<b>Posts</b>	28	27	34	28	2,903

Table 14: APNIC Blog activity

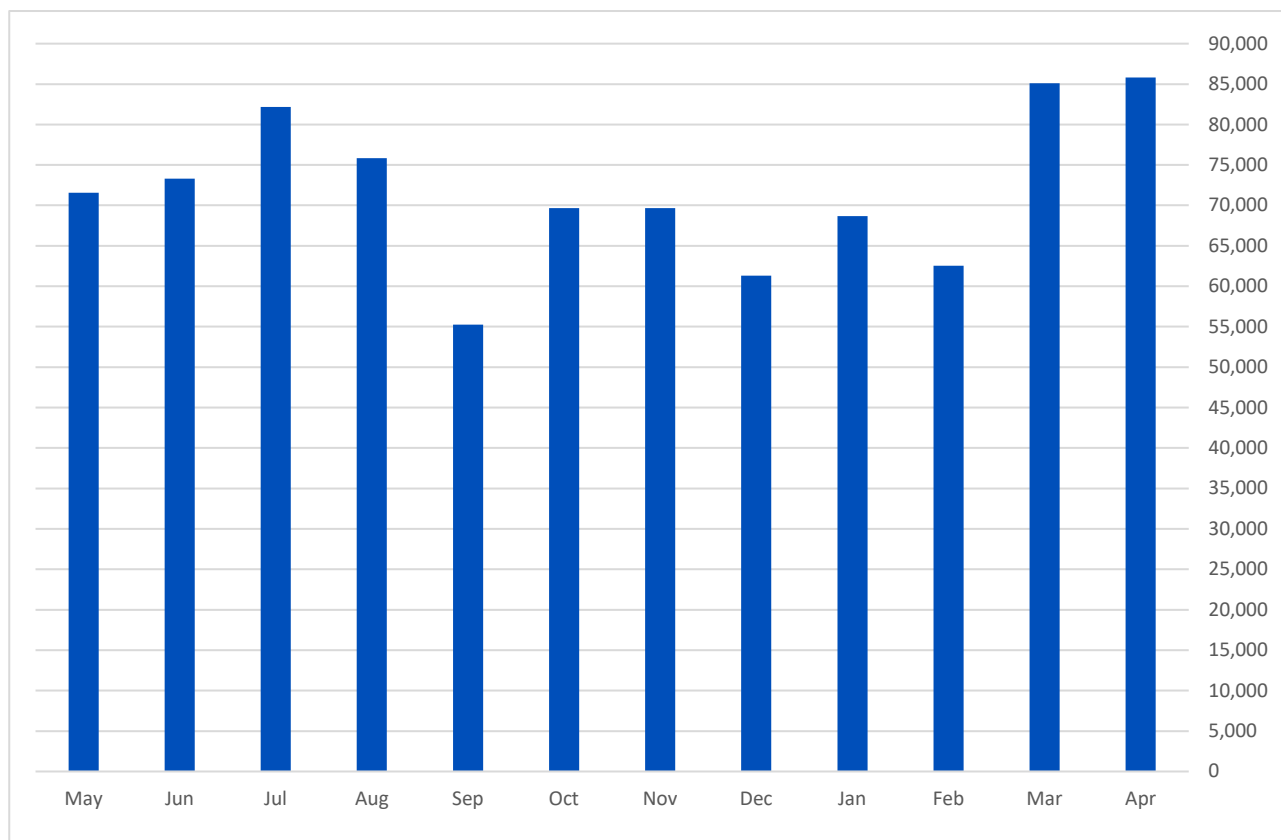


Figure 26: APNIC Blog views

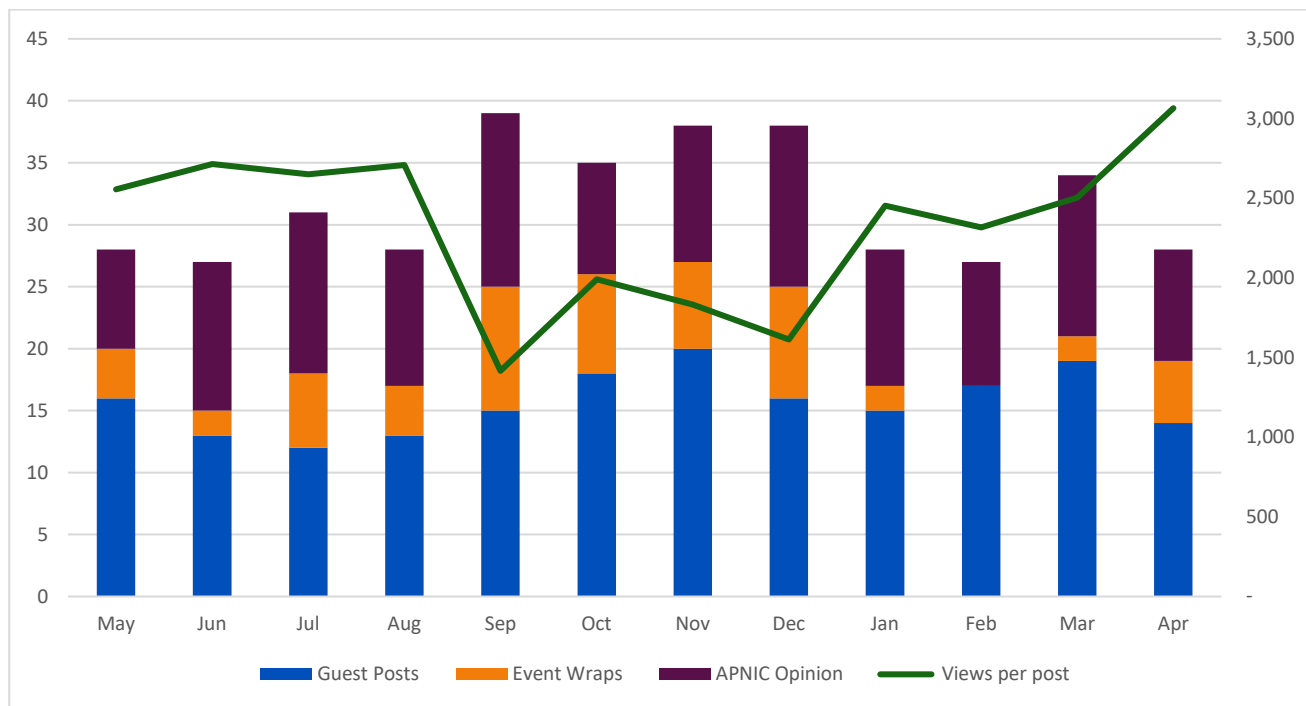


Figure 27: APNIC Blog posts

- The Blog averaged 75,525 views per month, a 9.9% increase on 2021’s monthly average of 68,721.
- There have been 65 Guest Posts in 2022, representing 60% of total opinion posts (an increase on 2021’s 56%).
- Popular new posts included:
  - [When volcanoes go bang, submarine cables do... what?](#), a Guest Post by Ulrich Speidel.
  - [IP addressing in 2021](#), by Geoff Huston.
  - [How to properly interpret a traceroute or MTR](#), a Guest Post by Phil Lavin.
  - [BGP in 2021 – The BGP Table](#), by Geoff Huston.
- Eight episodes of the ‘PING’ Podcast were published, attracting 1,927 ‘impactful plays’ (episode listens of 75% or longer), an average of 240 plays per episode.

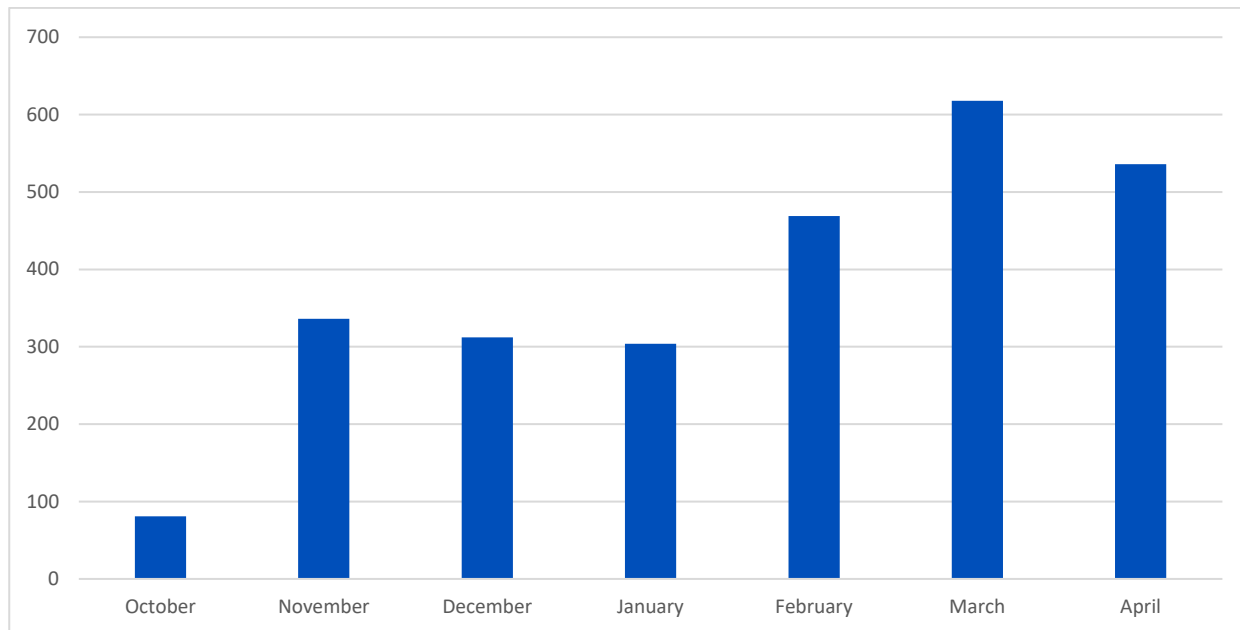


Figure 28: Podcast Impactful Plays

Success Indicators – 4A.1.		Results	Status
1	Achieve average of at least 70,000 Blog views per month.	75,525	●
2	Maintain Blog Guest Post ratio between 45-65%.	60%	●
3	Achieve at least 4,000 podcast listens.	1,927	●
4	Achieve a Blog satisfaction rating of at least 5.95/7 in the APNIC Survey.	N/A	●

## 4A.2 Information product management

**Objective:** Provide meaningful and useful information services to Members and the community.

- A significant increase in new users was achieved using paid search promotion for REx and NetOX. This has also resulted in a (smaller) underlying returning user increase. The paid search campaign will continue throughout 2022 to explore retention in search-recruited users.

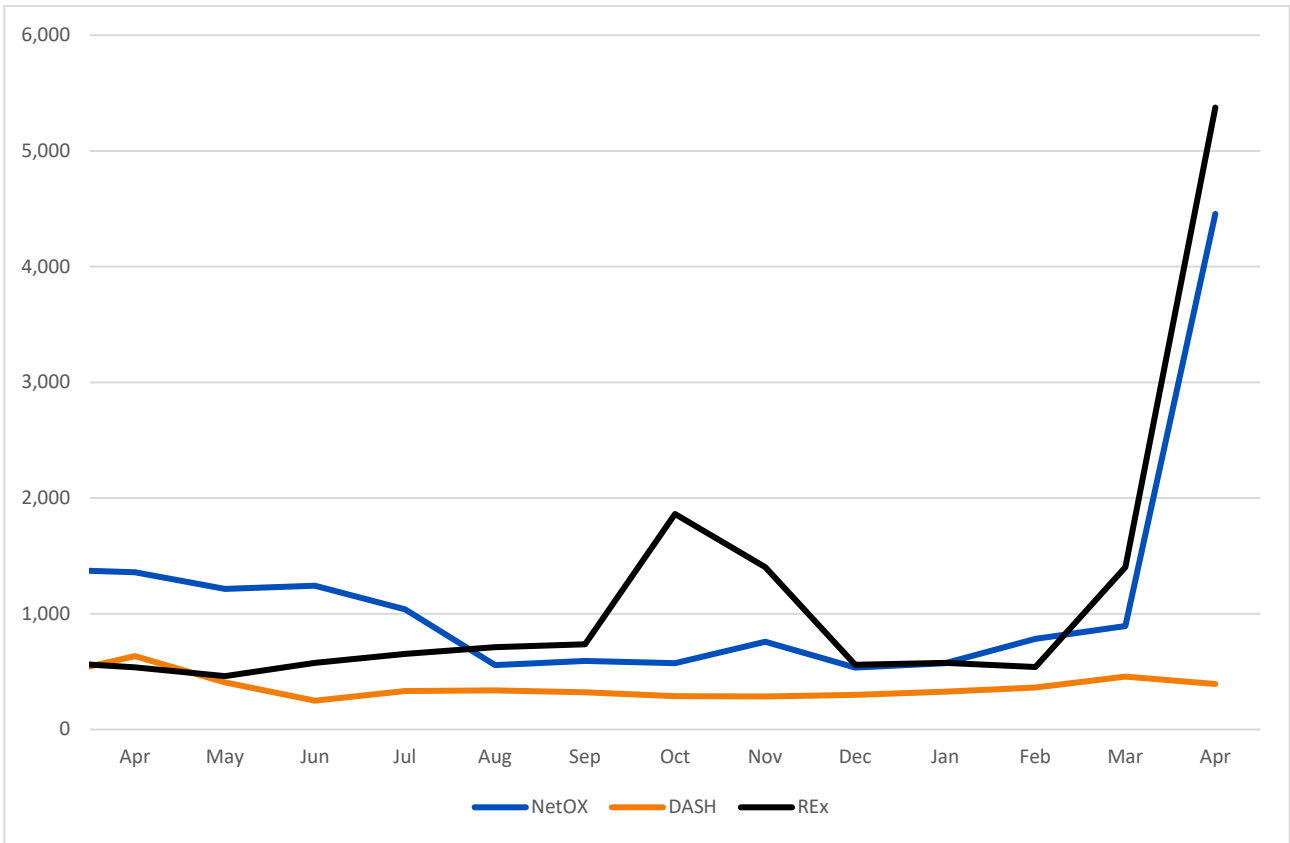


Figure 29: Monthly number of users

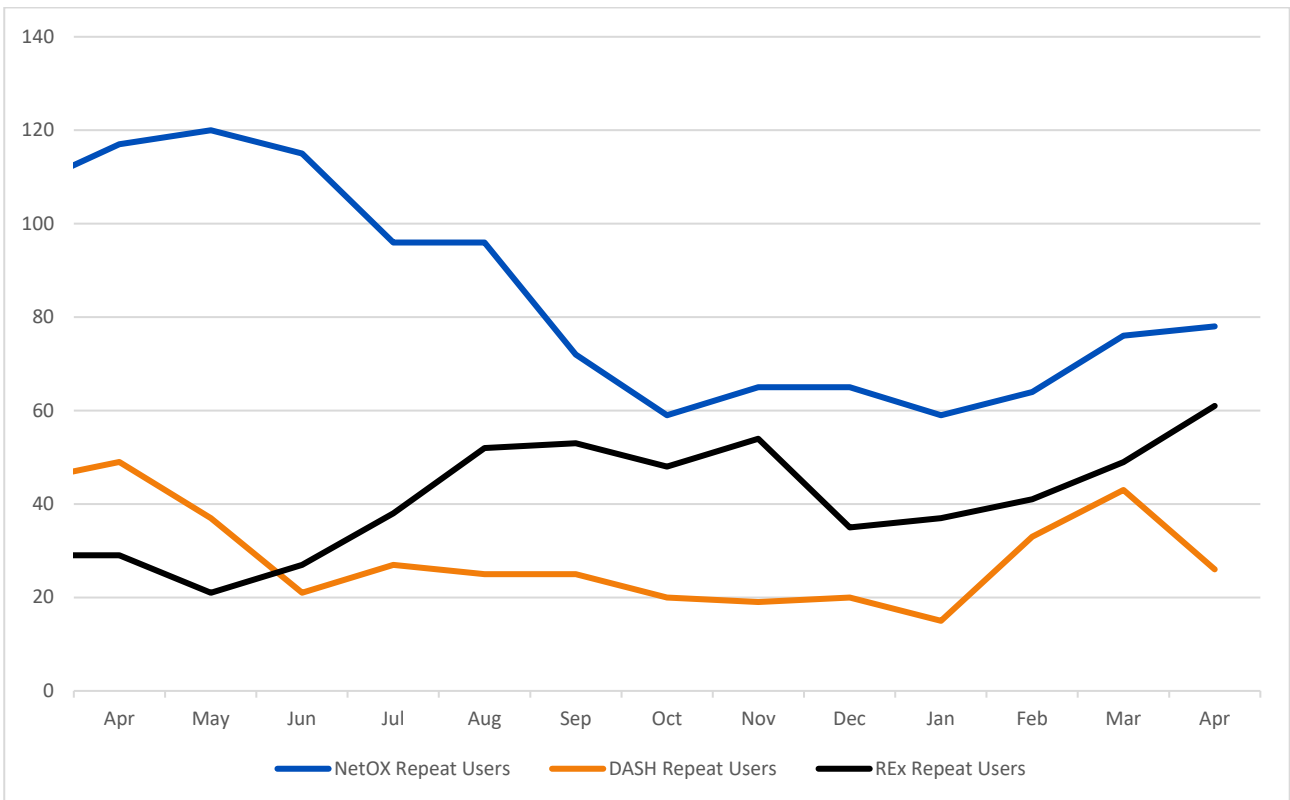


Figure 30: Monthly number returning users



	Success Indicators – 4A.2.	Results	Status
1	Maintain Information Product availability of at least 99.95%.	100%	●
2	Reach an average of 500 users per month of DASH, and 1,000 users per month of REx and NetOX.	NetOX: 1,677 REx: 1,974 DASH: 385	●
3	Achieve a NPS of 60+ for all products.	NetOX: 68 REx: 58 DASH: 72	●
4	Maintain a usability score of at least 4.5/5 for all products.	NetOX: 4.5 REx: 4.3 DASH: 4.6	●

## Investments

### 4A.3 Information product development

**Objective:** Develop meaningful and useful information services for Members and the community.

#### REx

- User interface improvements — including consistency in chart values, chart sizes, date selection and navigation fixes — were deployed.

#### DASH

- Work continued on the redesign of the information model for routing information pages.
- Suspicious traffic alerts were deployed.
- Work commenced on an APNIC notifications platform which will be deployed in Q3.

#### NetOX

- The ‘comparison’ feature designed at the end of 2021 was deployed in Q1.

	Success Indicators – 4A.3.	Results	Status
1	Achieve all 2022 goals, according to the <a href="#">Information Products Roadmap</a> .	In progress	●

## 4B Research and Analysis

### Operations

#### 4B.1 Conducting research and measurements

**Objective:** Gain a greater understanding of technical issues, trends, and how the Internet operates.

- New measurements on the use of IPv6 as a transport protocol for the DNS and IPv6 Extension Header handling, including fragmentation, were completed.
- Analysis of IPv4 and IPv6 advertised, unadvertised and reserved address pools over time continues.
- Completed reporting on the annual state of BGP, and further development of routing bogon and CIDR reports, as input to the ISOC MANRS activity. Work continues on automated BGP anomaly detection.
- DNS research included analysis of the handling of large DNS responses, adoption of DOH, and DNS query patterns.
- Measurement of QUIC use continues, following the release of beta software that adds QUIC support to NGINX servers.
- Research is also in progress on ECN measurement and RSA 2048-bit keys in DNSSEC.
- Published 13 blog articles and recorded four podcasts.

	Success Indicators – 4B.1.	Results	Status
1	See 4B.3		

#### 4B.2 Research cooperation

**Objective:** Collaborate and share resources to improve research outcomes and impacts.

- Continued cooperative research program with ISOC in support of MANRS, providing a feed of routing data.
- Provided collaborative measurements on aspects of the DNS and DNSSEC as part of a cooperative research agreement with ICANN.
- Research collaboration continues with Cloudflare.

	Success Indicators – 4B.2.	Results	Status
1	Undertake at least two significant cooperative research activities.	3 collaborative research projects	●

#### 4B.3 Sharing research outcomes

**Objective:** Help Members make better informed decisions on their network operations.

- Delivered 11 presentations at community and industry events.

	Success Indicators – 4B.3.	Results	Status
1	Publish at least 12 articles or reports on resource outcomes.	13 articles	●
2	Present at least 12 research presentations, including at least two at APNIC conferences.	11 presentations	●

## 5 Capability



### Operations

#### 5A Internal Technical Infrastructure

##### 5A.1 Architecture and technical coordination

**Objective:** Build efficiencies and reduce costs through use of a coordinated common infrastructure by multiple product teams.

- Reviewed technology platforms with particular attention to the end of life of CentOS 7 and JDK versions.
- Developed objectives and requirements for repository health metrics, with work to begin in Q2.

	Success Indicators – 5A.1.	Results	Status
1	Review technology recommendations once per quarter.	Q1 completed	●
2	Report quarterly on architectural decisions and directions.	Q1 completed	●

##### 5A.2 Network and infrastructure operations

**Objective:** Ensure high availability of APNIC’s infrastructure.

- Progress continued on deploying a shared POP in Singapore SG1 for both APNIC critical services and the M-root global anycast node.

	Success Indicators – 5A.2.	Results	Status
1	Complete quarterly data centre failover and backup recovery tests.	Q1 completed	●
2	Respond to all critical incidents within 20 minutes.	No critical incidents	●
3	Maintain availability of 99.99% for critical APNIC services and 99.95% for less-critical services.	Both 99.99%	●

##### 5A.3 System and platform operations

**Objective:** Support APNIC’s public service delivery with reliable, secure, and high-performance systems.

- Completed migration of community mailing lists to Mailman 3 with Okta SSO support.
- A new Hardware Security Module (HSM) has been ordered for RPKI to allow for data centre failover.
- Deployed new RDNS anycast nodes in Mumbai and Tokyo.

	Success Indicators – 5A.3.	Results	Status
1	Deploy additional Hardware Security Module (HSM) to High Availability (HA) group in multiple data centres.	In progress	●
2	Complete CentOS migration plan.	In progress	●
3	Deploy redundant load balancers.	In progress	●

#### 5A.4 Internal security operations

**Objective:** Maintain strong internal security operations to appropriate standards of best practice to avoid service disruption and data loss.

- HackerOne support for APNIC’s Vulnerability Reporting Program (VRP) and continuous penetration testing now in full production.
- Preparation for ISO 27001 certification audit in August is underway.

	Success Indicators – 5A.4.	Results	Status
1	Achieve ISO27001 certification.	Scheduled for August	●
2	Mitigate all critical vulnerability reports within seven days and resolve within 30 days.	On track	●

#### 5A.5 Enterprise applications and IT support

**Objective:** Provide secure and reliable enterprise technologies to support Secretariat operations.

- Confluence server was migrated to Atlassian Cloud.
- Sage People automation with Okta was rolled out.
- Work began on migrating Survey Monkey to an enterprise account.
- Commenced migration of the Foundation wiki to Confluence to improve access.
- The Legacy Application roadmap to migrate from certificate-based auth to Okta is in progress and will be completed during 2022.

	Success Indicators – 5A.5.	Results	Status
1	Meet SLA of two business-day response for internal IT support.	SLA met	●

## Investments

### 5A.6 Security infrastructure upgrades

**Objective:** Harden APNIC systems and security infrastructure to reduce security risks and protect Member information.

- Red Hat with a patch management subscription is being tested.
- External monitoring of e-mail SPF and DMARC has been deployed through MXToolbox.

	Success Indicators – 5A.6.	Results	Status
1	Complete automation of patch management.	In progress	●
2	Complete email business rule deployment using standard best practice.	In progress	●
3	Implement improved user authentication and access management system.	Scheduled Q3	●

## 5B Finance and Business Services

### Operations

#### 5B.1 Internal knowledge management

**Objective:** Maintain effective methods, structures, and tools to retain and retrieve corporate information within APNIC.

- SharePoint upgrade completed.
- Migration of HR documents scheduled for completion by the end of May.

	Success Indicators – 5B.1.	Results	Status
1	Complete migration during Q1 2022.	In progress	●

#### 5B.2 Financial services

**Objective:** Transparent and efficient management and reporting of APNIC’s financial affairs.

- The 2022 Activity Plan and Budget was implemented into the APNIC accounts in January. A monthly forecast process has tracked income and expenses, and monitored expense variations to budget.
- The annual audit of APNIC’s 2021 financial accounts was completed by Ernst & Young and presented to the EC at APNIC 53.
- Accounting procedures to manage APNIC Foundation-funded projects in 2022 were developed.

	Success Indicators – 5B.2.	Results	Status
1	Achieve a successful audit of APNIC’s annual financial accounts.	Completed	●

### 5B.3 Business services

**Objective:** Effectively support Secretariat operations and travel.

- Commenced a business process management project to map the travel process to streamline and improve current booking and risk management procedures.
- Reviewed stock of promotional items to ensure they all meet eco-APNIC standards.
- A self-service parking booking app was launched in Q1.

	Success Indicators – 5B.3.	Results	Status
1	Maintain all Office facilities to established annual schedule.	In progress	●
2	Audit travel requests and expense transactions for policy alignment.	In progress	●

### 5B.4 Business intelligence and data analytics

**Objective:** Improved decision making from the increased availability and accessibility of relevant, cross-system information sources.

- Continued to improve usage of Jira, Confluence, Salesforce, Tableau/Fusioncharts and Sharepoint to automate creation of report content (charts, tables and narratives).
- Automated scripts are in development to prepare data, generate standardised charts and visualizations, and design templates for use in reports and presentations.

	Success Indicators – 5B.4.	Results	Status
1	100% automation of monthly Secretariat reporting data/charts from the BI system.	In progress	●

## Investments

### 5B.5 Data management and governance

**Objective:** Ensure availability of quality and accurate data to support decision making.

- Within APNIC’s data model, ownership/stewardship has been assigned to ensure all data is captured, managed, and processed in a more organised way.
- A data management and governance framework is being developed with the help of a consultant.

- A new graph database for analytics is in development, built on Neo4J, integrating data from routing tables, whois/RDAP, RPKI, reverse DNS and other data sources in future.

	Success Indicators – 5B.5.	Results	Status
1	Data model and governance are documented and implemented.	30% complete	●
2	Data ingestion system established and working effectively.	25% complete	●

## 5C Employee Experience

### Operations

#### 5C.1 Organizational development

**Objective:** Optimize internal capability, including improved processes, effective communication, and adaptation to organizational challenges.

- A biannual People Pulse survey was launched in April 2022. The staff engagement level of 83% exceeded the global benchmark of 76%.
- Personalised coaching (from LeaderShape) is being provided to staff as needed.
- A career pathway framework has been drafted as a basis for a comprehensive succession plan, to be completed in Q3.
- An internal communications specialist was appointed in April.

	Success Indicators – 5C.1.	Results	Status
1	Complete Agile adoption by end of Q2 2022.	In progress	●
2	Staff satisfaction ratings meet or exceed external benchmarks in 2022.	1 <sup>st</sup> survey exceeded benchmark	●
3	An Internal Communications specialist is appointed by end of Q2 2022.	Completed	●

#### 5C.2 Work environment management

**Objective:** Ensure all places of work and workplace practices for APNIC staff (both the office and remote locations) are fit for purpose.

- Flooding in Brisbane in March caused subsidence damage to the carpark. Consultation with specialist engineers and associated trades is underway, and a claim to our insurer is pending.
- A refurbishment plan for the current premises at Cordelia Street has been finalized with the architects and is pending final internal approval.

- All government guidelines for COVID-infected staff are observed and those infected are provided with care packs.

Success Indicators – 5C.2.		Results	Status
1	Zero WHS incidents due to APNIC-controlled environmental factors.	No incidents	●
2	All travellers meet travel safety requirements as per the Travel Health Policy.	100% compliance	●

### 5C.3 Talent attraction and retention

**Objective:** Attract and retain the best possible talent to deliver on APNIC’s Vision and Mission.

- Recruitment is planned and fulfilled according to the Workforce Plan for 2022 (See HR report).
- Talented staff in software development and UX roles are in high demand, resulting in some turnover and delays in recruitment.

Success Indicators – 5C.3.		Results	Status
1	Maintain staff turnover rate within benchmark of 5-15%.	3%	●
2	Fill all open roles within 90 days from advertisement.	52-day average	●
3	Every advertised vacancy has a minimum of four simultaneous candidate sources.	100% compliance	●

### 5C.4 People operations management

**Objective:** Ensure the employee value proposition and experience supports the attraction and retention of diverse and talented team members, and that policies and practices meet global standards.

- New Employee Value Proposition video and updated careers page launched.
- Parental Leave Policy reviewed and improved to meet best current practice.
- Halogen HR performance platform decommissioned and replaced by Sage People.

Success Indicators – 5C.4.		Results	Status
1	Complete deployment of all selected modules of the Sage People system.	In progress	●
2	Demonstrate reduced cost of HR administration platforms.	In progress	●
3	Payroll review completed by end of Q3 2022.	Not yet commenced	●



## Investments

### 5C.5 APNIC workspace improvement

**Objective:** Enhance collaborative working at the APNIC office and for remote employees.

- Workshops are underway with O’Neill Architects for the design of future APNIC premises at Breakfast Creek Road.
- Upgrade plan for current Cordelia Street premises drafted, to address APNIC requirements of the next 2-3 years. Furnishings will be selected for relocation and future use in the new premises.

	Success Indicators – 5C.5.	Results	Status
1	Complete all budgeted facility upgrades by end of Q3 2022.	In progress	●

## 5D Governance

### Operations

#### 5D.1 Executive Council (EC) support

**Objective:** Facilitate EC processes and activities of the highest integrity.

- Sumon Ahmed Sabir, Kam Sze Yeung, and Achie Atienza were elected to the APNIC EC for two-year terms.
- The first 2022 EC meeting was held on 21 February and 3 March.

	Success Indicators – 5D.1.	Results	Status
1	Achieve a satisfaction rating of at least 6/7 from a survey of EC members.	N/A	●

#### 5D.2 Corporate governance and legal

**Objective:** Mitigate legal risk in all APNIC activities.

- The Strategic Risk Register was updated and presented to the EC for quarterly review.
- The Product Development area has drafted an ISO 9001 process in preparation for full certification.
- The Whistleblower Policy has been prepared and a dedicated external provider engaged to assist with deployment and management of reports.
- After a case of professional misconduct (resolved), all related policies are being reviewed, and organisational culture reinforced to avoid future incidents.

	Success Indicators – 5D.2.	Results	Status
1	Update Strategic Risk Register quarterly.	Q1 complete	●
2	Achieve full ISO 9001 quality management system recertification.	In progress	●
3	Undertake quarterly BCP scenario testing.	Q1 complete	●

### 5D.3 Corporate social responsibility

**Objective:** Enhance APNIC’s position as an environmentally and socially responsible organization.

- Presentations to staff from environmentally-friendly superannuation providers have been scheduled.
- Promotional items have been reviewed and will be sourced from sustainable and ecologically-friendly suppliers.

	Success Indicators – 5D.3.	Results	Status
1	Corporate social responsibility program developed and approved.	In progress	●

## Events/Activities in 2022

Month	Event Name	City	Economy
Jan	9th Meeting of ITU TSAG (Telecommunication Standardization Advisory Group)	Online	CH
	Looking Lower: Programmable Data Planes (Part 1)	Online	AP
	OSPF Operation Tutorial	Online	AP
	4th Interregional Meeting for Preparation of WTSA-20	Online	CH
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	Cryptography Fundamentals Tutorial	Online	AP
	Country Wide ICT Refresh		PG
	4th Meeting of the APT Preparatory Group for WTDC-21 (APT WTDC21-4)	Bangkok/Online	TH
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	OSPF Operation Tutorial	Online	AP
	MyFinTechWeek 2022	Online	MY
	Cryptography Fundamentals Tutorial	Online	AP
	JANOG 49	Kagoshima	JP
	PTC'22	Honolulu	US
	9th Meeting of ITU TSAG (Telecommunication Standardization Advisory Group)	Online	CH
	Looking Lower: Programmable Data Planes (Part 1)	Online	AP
	OSPF Operation Tutorial	Online	AP
	4th Interregional Meeting for Preparation of WTSA-20	Online	CH
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	Cryptography Fundamentals Tutorial	Online	AP
Feb	ITU GSS-20 (Global Standards Symposium)	Geneva	CH
	NANOG 84	Online (Austin)	US
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	IS-IS Operations Tutorial	Online	AP
	AP* February 2022	Online	
	IRINN: IPv6 Protocol, Architecture & Address Planning Tutorial	Online	IN
	OSPF Operation Tutorial	Online	AP
	DNS Fundamentals Tutorial	Online	AP
	BGP Fundamentals & Attributes Tutorial	Online	AP
	BGP Fundamentals & Attributes Tutorial	Online	AP
	DNS Fundamentals Tutorial	Online	AP

	APNIC EC meeting	Online	AU
	IS-IS Operations Tutorial	Online	AP
	APRICOT 2022/APNIC 53	Online	BD
	AVPN South Asia Social Investment Summit	Online	OP4
	OSPF Operation Tutorial	Online	AP
	ISIF Asia 2021 Grantee Welcome Session	Online	AP
	APRICOT 2022/APNIC 53: Network Automation Tutorial	Online	BD
	Cybersecurity Summit: ANZ	Online	AU
	Cryptography Fundamentals Tutorial	Online	AP
	2nd Meeting of the APT Preparatory Group for PP-22 (APT PP22-2)	Bangkok/Online	TH
	APNIC's Vulnerability Reporting Program	Online	AP
	APNIC and Maddocks Meeting	Melbourne	AU
	APNG Camp 15	Online	AP
	Cryptography Fundamentals Tutorial	Online	AP
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	1st IGF 2022 Open Consultations and MAG Meeting	Online	CH
	M3AAWG 54th General Meeting	San Francisco/Online	US
	NRO EC Meeting	Dubai	AE
	APRICOT 2022/APNIC 53: Segment Routing Tutorial	Online	BD
	DNS-OARC 37	Austin/Online	US
	ITU GSS-20 (Global Standards Symposium)	Geneva	CH
	NANOG 84	Online (Austin)	US
	IPv6 Protocol, Architecture & Address Planning Tutorial	Online	AP
	IS-IS Operations Tutorial	Online	AP
	AP* February 2022	Online	
	IRINN: IPv6 Protocol, Architecture & Address Planning Tutorial	Online	IN
	OSPF Operation Tutorial	Online	AP
	DNS Fundamentals Tutorial	Online	AP
	BGP Fundamentals & Attributes Tutorial	Online	AP
	BGP Fundamentals & Attributes Tutorial	Online	AP
	DNS Fundamentals Tutorial	Online	AP
	APNIC EC meeting	Online	AU
	IS-IS Operations Tutorial	Online	AP
<b>Mar</b>	ITU WTSA-20	Geneva	CH
	NRO-PACG f2f meeting	Geneva	CH
	IS-IS Operations Tutorial	Online	AP
	APAN 53	Hybrid	BD
	AIME 2022	Melbourne	AU

	APAN 53: IPv6 Deployment and Address Planning Tutorial	Hybrid	BD
	PacSON Virtual Webinar	Online	OP1
	Indonesia Honeynet Project Workshop	Online	ID
	PhNOG 2022: RPKI/ROV Refresher and ROA Session	Virtual	PH
	IPv6 Deployment & Transition Techniques Workshop	Online	PK
	APAC DNS Forum 2022	Online	
	DWDM Fundamentals (Part-1)	Online	AP
	bdSIG 2022	Online	BD
	Operational & Planning Aspects of DWDM (Part-2)	Online	AP
	CNNIC : IPv6 Deployment and RPKI Workshop (Delivered in Mandarin)	Online	CN
	PhNOG 2022: DNS and Root Server deployment	Virtual	PH
	Technology for Change Week Asia 2022	Hong Kong	HK
	APAC DNS Forum 2022	Hybrid	
	MMIX AGM & mini Peering Forum 2022	Virtual	MM
	IPv6 Deployment & Transition Techniques Workshop	Online	PK
	DNS Fundamentals Tutorial	Online	AP
<b>Apr</b>	Network Monitoring and Management (NMM) Fundamentals Tutorial	Online	AP
	BrisSec 2022	Brisbane	AU
	Internet Routing Fundamentals Workshop - Malaysia	Online	MY
	yIGF Myanmar 2022	Online	MM
	Atlassian Team '22	Online	AU
	RPKI Deployathon	Sydney	AU
	MPLS Fundamentals Tutorial	Online	AP
	VNNIC Internet conference 2022	Online	VN
	Building your own switch with P4 (Part 2)	Online	AP
	OECD - 6th Session of the Working Party on Security in the Digital Economy	Online	FR
	MPLS Fundamentals Tutorial	Online	AP
	ARIN 49	Nashville	US
	Network Monitoring and Management (NMM) Fundamentals Tutorial	Online	AP
	PCTA 2022 - Network Monitoring & Management Tutorial	Online	PH
	DNSSEC Fundamentals Tutorial	Online	AP
	PCTA 2022 - Network & Information Security Tutorial	Online	PH
	PCTA e-Tech Show 2022	Manila	PH
	PCTA 2022 - Intro to IXP Tutorial	Online	PH
	Network Monitoring and Management (NMM) Fundamentals Tutorial	Online	AP

Meaningful Access to Advance Digital Societies - UNCTAD's E-Commerce Week	Online	CH
Security Monitoring workshop with MyREN community	Online	MY
MPLS Fundamentals Tutorial	Online	AP
APT Extraordinary meeting for ITU WTDC-21 (WTDC-e)	Online	TH
DNSSEC Fundamentals Tutorial	Online	AP
BNE0x33 (52nd Session) - SecTalks Brisbane	Brisbane	AU
Connections 2022 - A post-IETF 113 Forum	Online	IN
DNSSEC Fundamentals Tutorial	Online	AP
Salesforce World Tour Sydney	Sydney	AU
Internal Meeting	Melbourne	AU
Registration Services Coordination Group (RSCG) f2f Meeting	Nashville	US
IPv6 Transition: East Asia Perspective	Online	AP
AUSNOG 2022	Sydney	AU
Network Monitoring and Management (NMM) Fundamentals Tutorial	Online	AP

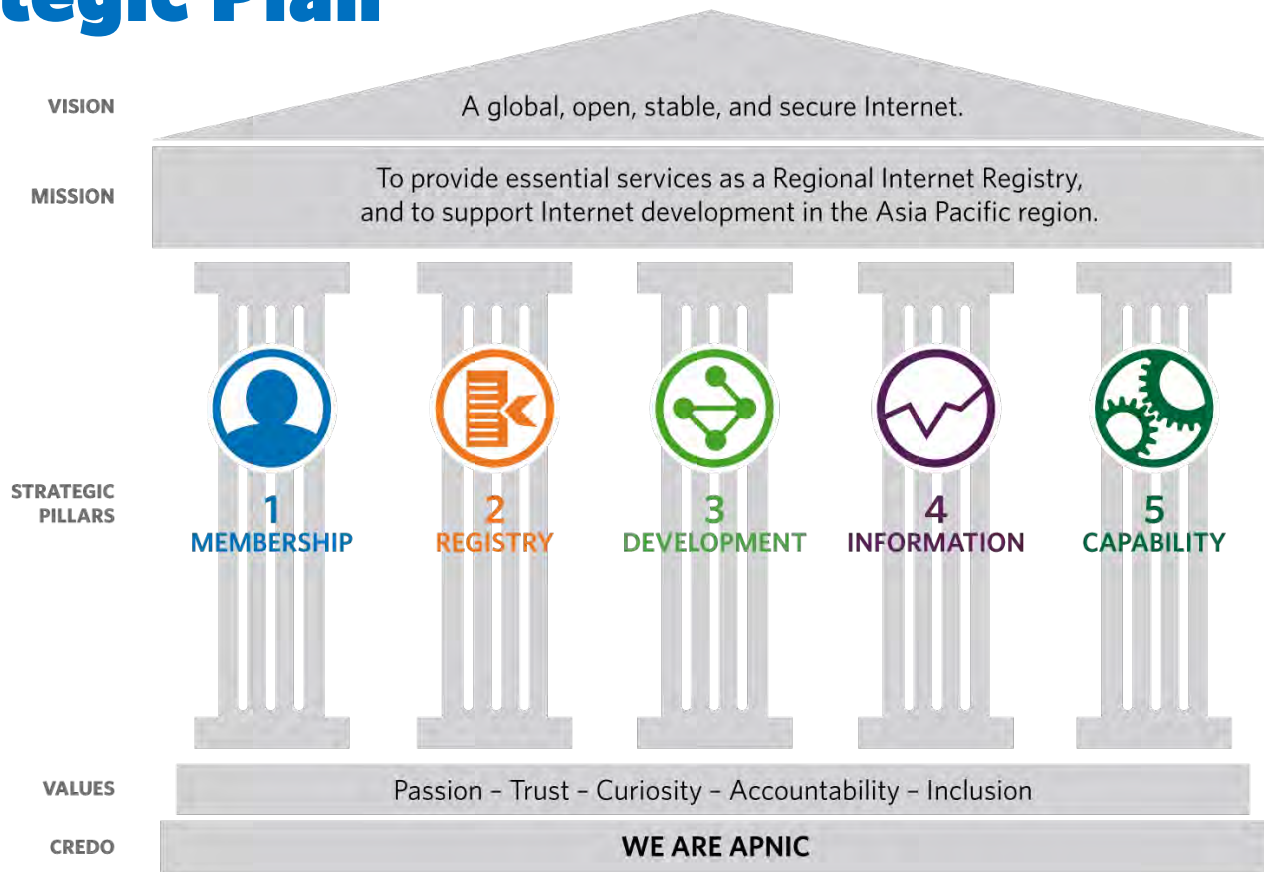
**Table 15: Events attended**

# APNIC Secretariat Report

EC meeting

26-27 May 2022

# Strategic Plan





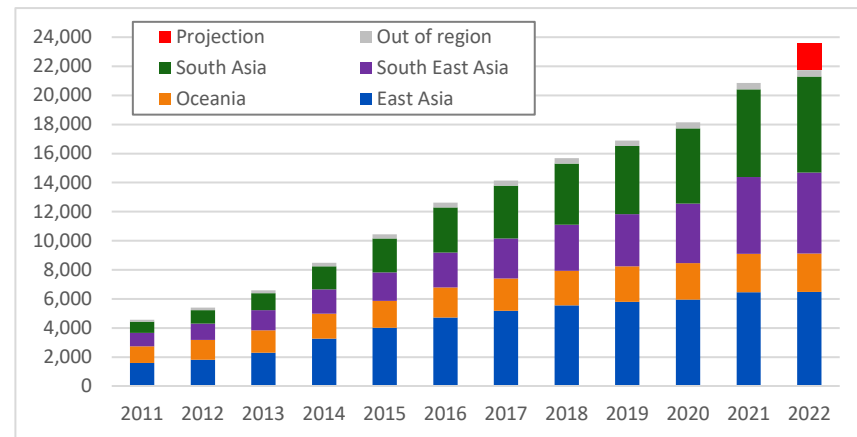
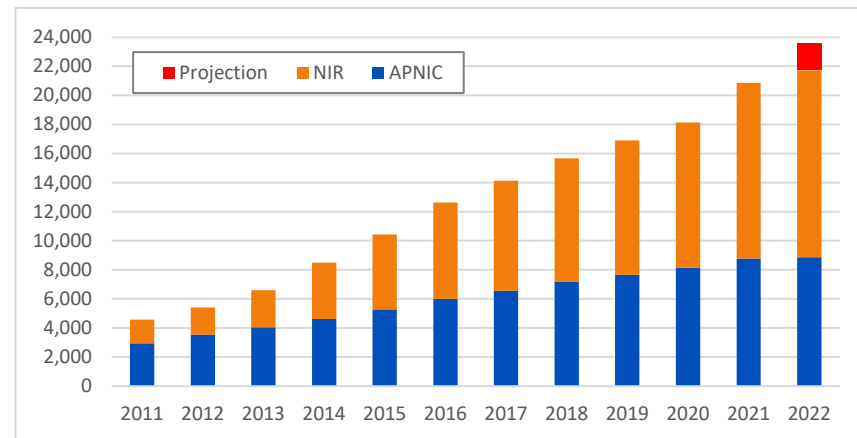


# MEMBERSHIP

# Member Services



- APNIC Members 8,863; NIR sub accounts 12,870
- Service satisfaction 93% 'excellent' and 'above average' (798/857)
- Helpdesk response time SLA 100% met
- 22 fraud attempts detected and prevented
- 758 feedback items received  
162 required action and resolved
- APNIC Survey: Interviews Report completed. 37 interviews in 26 economies



# Historical resources transition



	April	Percentage	Addresses
Attempting to contact holders	3,368	93%	6,178,304
Prefixes being claimed by holders	234	6%	1,022,976
Prefixes no longer needed	16	0.5%	4,096
Prefixes retained by holders	18	0.5%	136,448
<b>Total number of holders</b>	<b>3,636</b>	<b>100%</b>	<b>7,341,824</b>

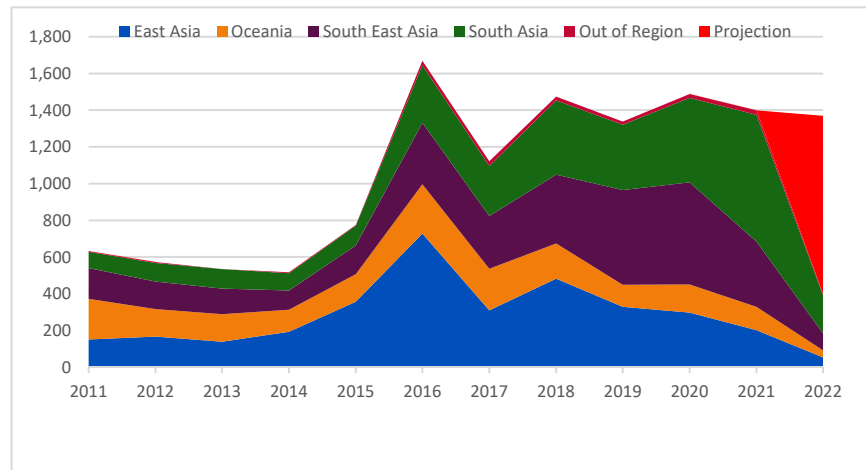
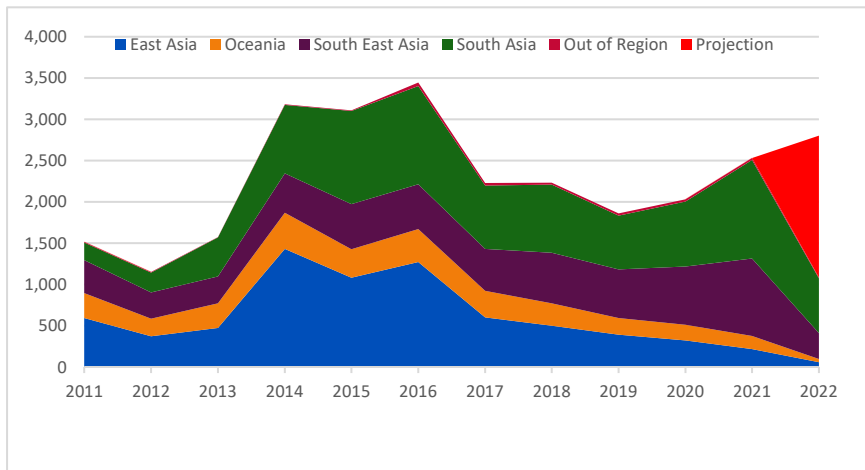
# Membership Products



- Completed APNIC Login SSO migration of 60K+ users from Keycloak to Okta
- Eduroam API using Okta SSO provided to Academy team
- Reduced proxy voting time in EC election from 90 to 20 sec
  - Record 1,270 Members participated in election voting
- MyAPNIC:
  - Availability 99.99%
  - User satisfaction 81%

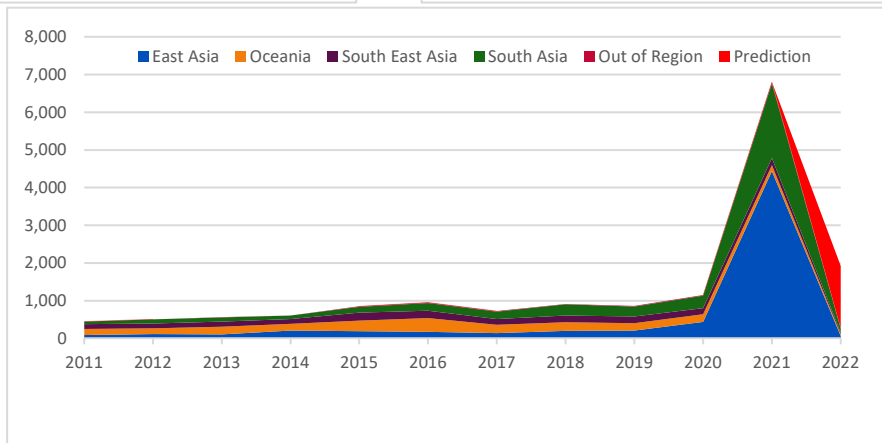


# Resource Delegations



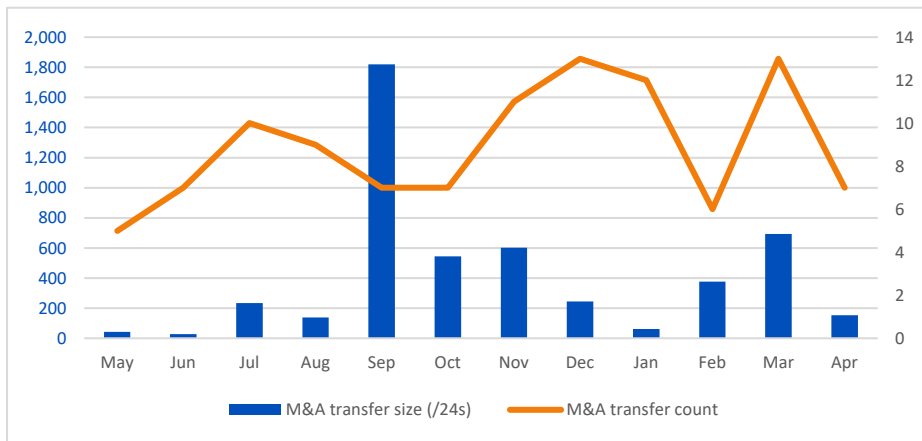
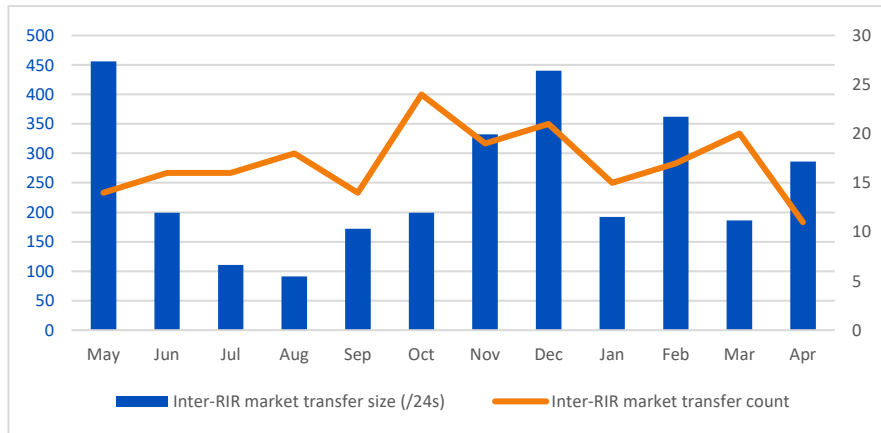
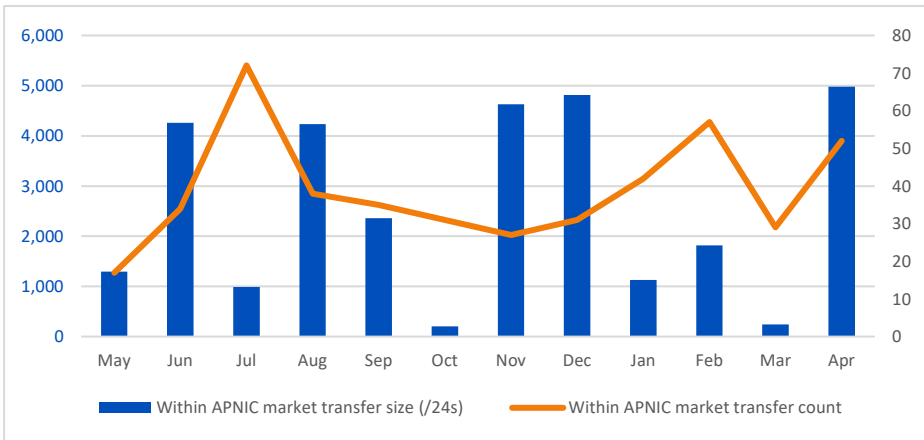
IPv4

IPv6



ASNs

# APNIC Transfers



# Registry Products



- NIR API deployed in external test environment
- APNIC RDAP service updated to comply with RIR RDAP profile
- Availability of whois, RDAP, RPKI, RDNS, IRR 99.99%
- Route management pre-validation feature ~75% complete
- APNIC Registry API prototype deployed for public testing; production API scheduled for Q3
- Identified 'highly critical' services for Five-9s readiness



# Policy Development



Proposal	Result
prop-142: Unify Transfers Policies Text	APNIC 53: Reached consensus, adopted, implementation in progress
prop-143: ASN to Customer	APNIC 53: Reached consensus, adopted, implementation in progress
prop-144: Experimental Proposal Allocation	APNIC 53: Reached consensus, adopted, implementation in progress
<i>prop-141: Change maximum delegation size of IPv4 from 512 (/23) to 768 (/23+ /24) addresses</i>	<i>APNIC 53: presented for discussion only and not put to the community for consensus</i>

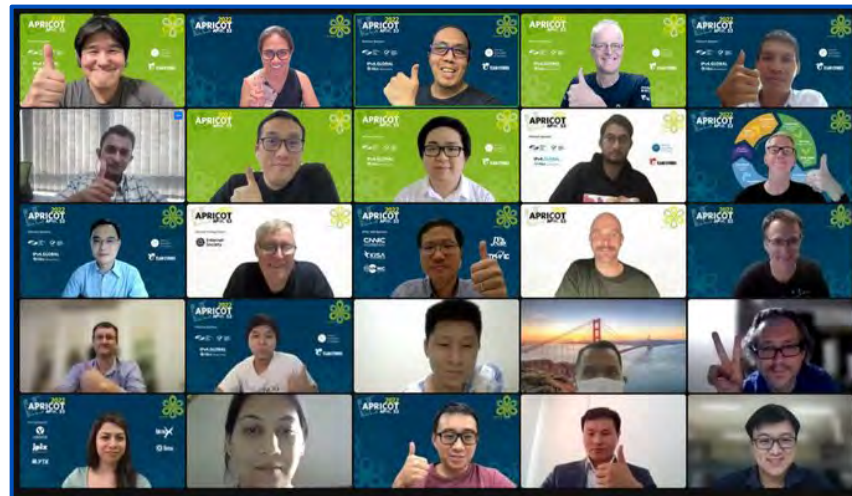




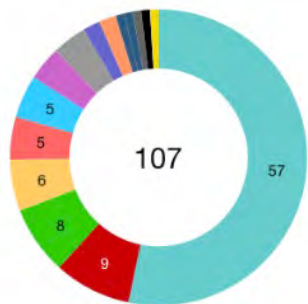
# APNIC Conferences



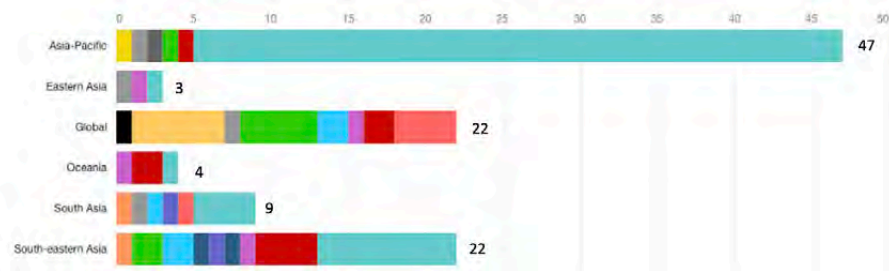
- APNIC 53 / APRICOT 2022
  - 886 attendees from 64 economies
    - Tutorials: 519
    - Conference: 502
  - 3,854 YouTube views
- APNIC 54
  - Hybrid, 8-15 September
  - Co-located with APriGF 2022, APSIG 2022, SGNOG 9
  - Revised program structure to suit hybrid format



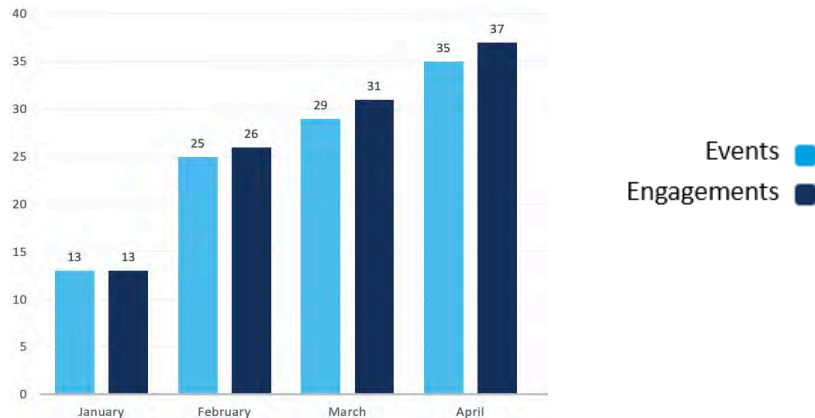
# Community Engagement



Event engagement



Event summary by sub-region



Engagement summary by month

# Technical Community Support



- 6 tech community events
  - 3 NOGs: sponsorship, speakers, and training (JANOG, AusNOG, PhNOG)
  - Webcast and technical support for 2 events (MMIX, PhNOG)
- 5 security events
  - Including a quarterly threat sharing community event
  - Provided security training at 3 events

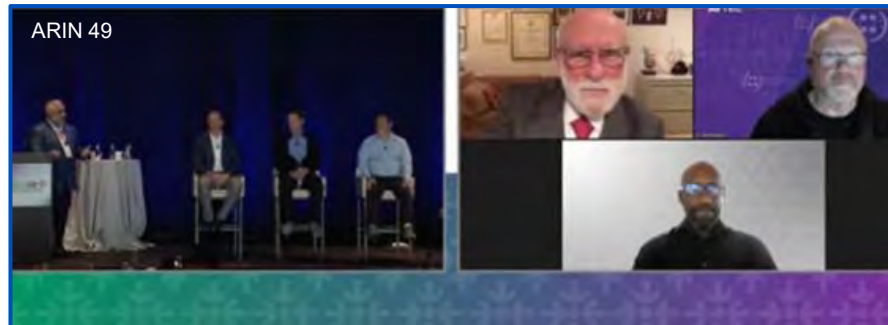


# Internet Cooperation



## Internet organization cooperation

- Study on Internet Technical Success Factors
  - Featured at APNIC 53 Cooperation SIG
- Chairing NRO EC and Coordination Groups
  - 8 online meetings of NRO EC and CGs
- Participated in ITAC, ITCG (Internet Tech Community)
- Participated in all RIR, ICANN and IETF meetings
- ICANN Root Service Governance WG; Root Zone Evolution WG; SSAC



## Internet governance

- 2022 IGF: 3 MAG meetings and 3 IGFSAs Executive Committee meetings
- 2022 APriIGF: Co-convenors of PC and Stakeholder Engagement Committee; 37 prep meetings including MSG, PC, SEC and Fellowship and Event Committee meetings
- Other IGFs: NetThing (AU), YIGF Viet Nam, YIGF Myanmar

# Government Engagement



- ITU: Participation at ITU WTSA-20; discussions on Pacific cybersecurity project and collaboration on Samoa IXP setup continuing
- APT: Prep meetings for WTDC-21, PP-22; collaborating on training to APT states (MN and MM)
- Organizing LEA training for Cyber Safety Pasifika; provided mentoring for Cyber Safety Pasifika Scholarship peer group

# Community Participation



- SIGs
  - Policy Document Review WG completed work at APNIC 53 (7 WG proposals reached consensus 2021-22)
  - Policy ‘readout’ webinar in Feb for 19 participants
- Encouraging newcomers
  - 406 conference newcomers
  - 30 Fellows from 371 applicants
    - 50% gender balance, 37% youth
    - +14 Returning Fellows
    - 87% attendance at first two webinars
- Community Platform
  - Mailman 3’s “Hyperkitty” interface chosen for platform
  - Roadmap developed, test server operational, configuration underway

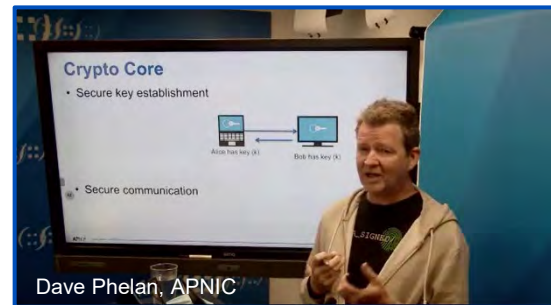






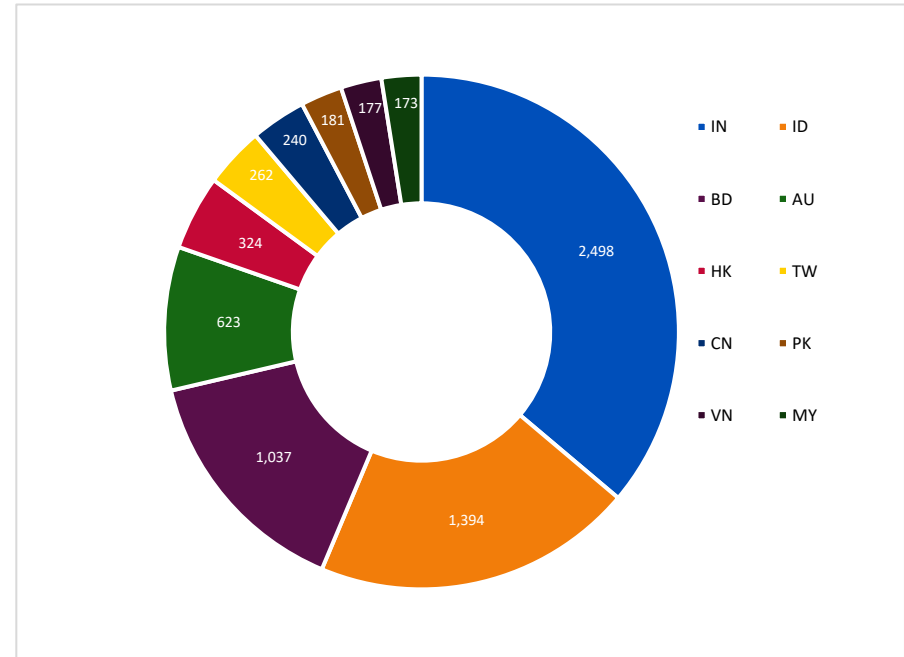
- Instructor-led training for KHNOG (KH), MMIX (MM), CNNIC (CN), PHNOG (PH), PCTA (PH), IRINN (IN), PTA (PK) and APAN
- Updates to network security courses; added three new validators to RPKI labs; rebuilt DNS/DNSSEC labs
- Self-paced:
  - New Academy OSPF course
  - 4 new labs
  - Developing new Introduction to Cybersecurity course
  - Japanese subtitles for two courses
- Extended translation to online video-based courses
- 30 Community Trainers (volunteers); 2 Retained Community Trainers

	Instructor-led	Self-paced
<b>Courses</b>	50	690 completions; 1,174 hours contact
<b>Students</b>	1,337	2,975 new (19,993 in total)
<b>Locations</b>		48 economies
<b>Virtual Labs</b>		2,329 labs 2,366 hours
<b>Webinars</b>	6 webinars 321 attendees	





- Proactively assisted Members in Fiji to clean up invalid routes
- RPKI Deployathon held in Sydney before AusNOG 2022
- One new RPKI deployment case study published; 13 RPKI-tagged blog posts

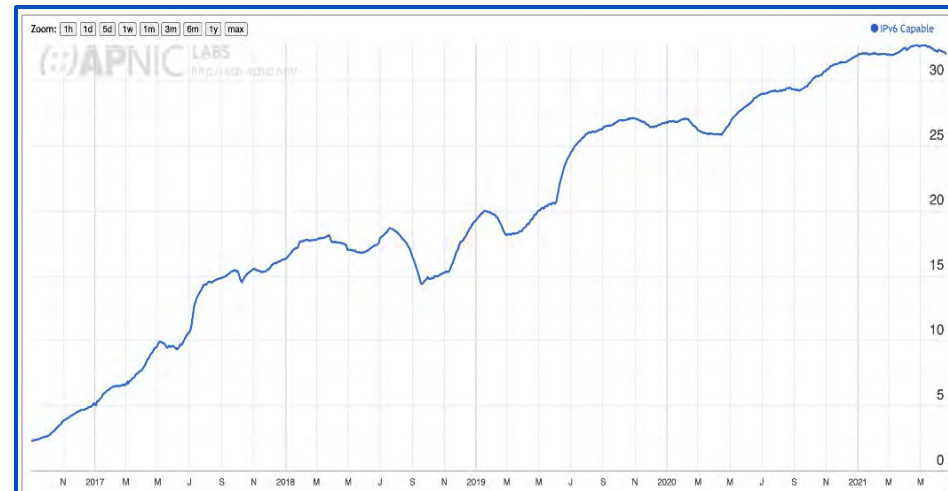
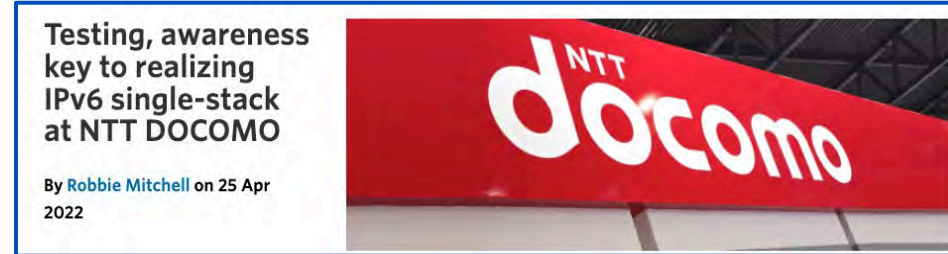


Top 10 economies – Number of networks with ROAs

# IPv6



- 11 online IPv6 tutorials
  - 6x open to region
  - 1x EA (CN); 1 SEA (MY); 4 SA (PK(2), BD, IN)
- 39.18% IPv6 capability for AP region
- 69.1% Members hold IPv6 resources
- 1 new deployment story with 43 now online
- IPv6 deployment podcast with Reliance Jio



# Internet Infrastructure Support



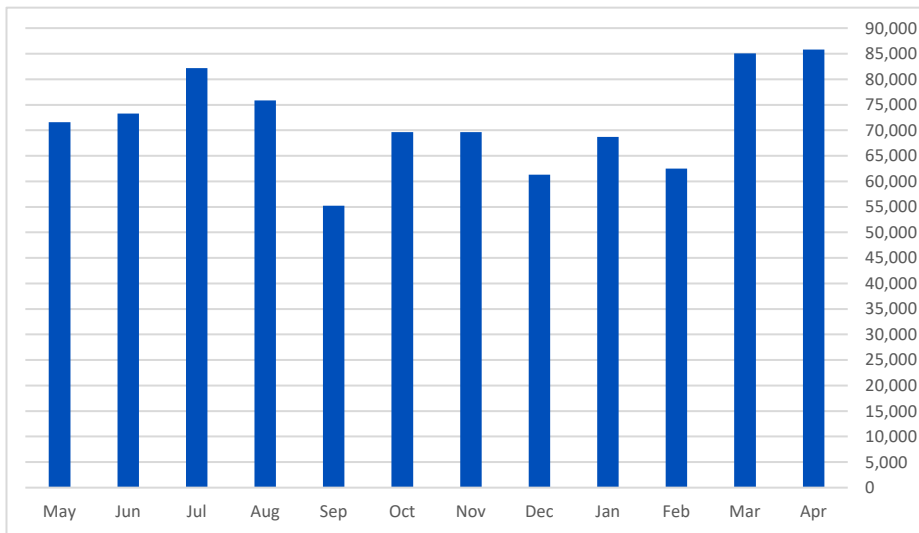
- IXPs
  - PKIX (Lahore) route server and RPKI discussion
  - MVIX: waiting on equipment
- Root servers
  - M-root deployed in Kuala Lumpur with 11 in progress (Kaohsiung, Manila, Dhaka, Bangkok, Jakarta, Ulaanbaatar, Kathmandu, Mumbai, Lahore, Kolkata, and Singapore)
  - Equipment delays continue to slow deployment
- Community HoneyNet and Security Threat Sharing Platform
  - Two new Community HoneyNet partners from Bhutan and Lao PDR (17 total)
  - New Academy content developed based on honeynet datasets (Practical Packet Analysis)
- RIPE Atlas
  - Viable hardware replacements are being sought for seven disconnected anchor hosts



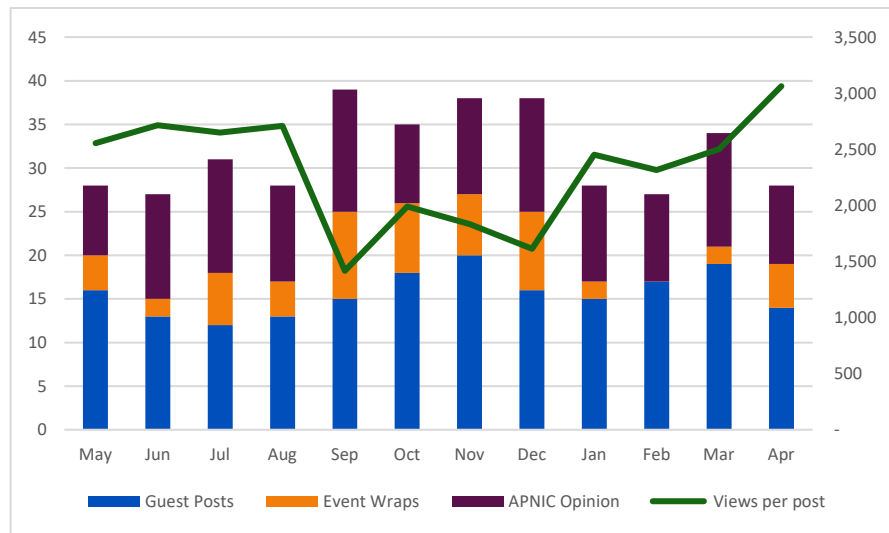
# INFORMATION



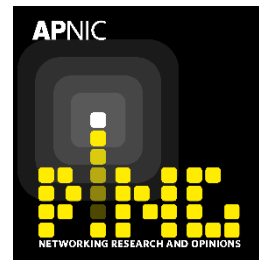
## Views



## Posts



- 75,525 views/month (↑9.9% on 2021)
- 8 podcasts with 1,927 ‘impactful plays’

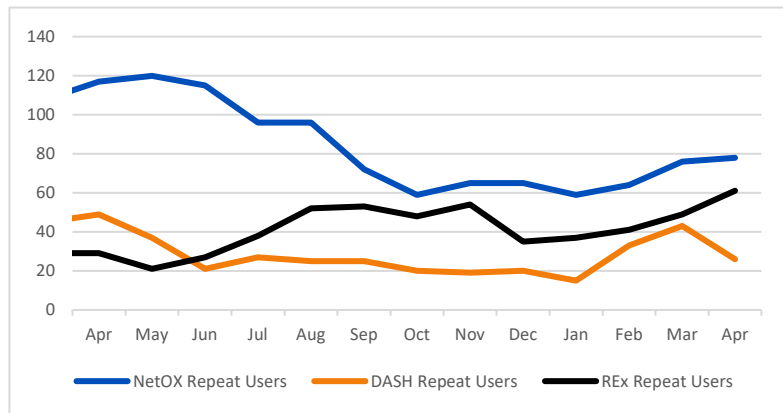
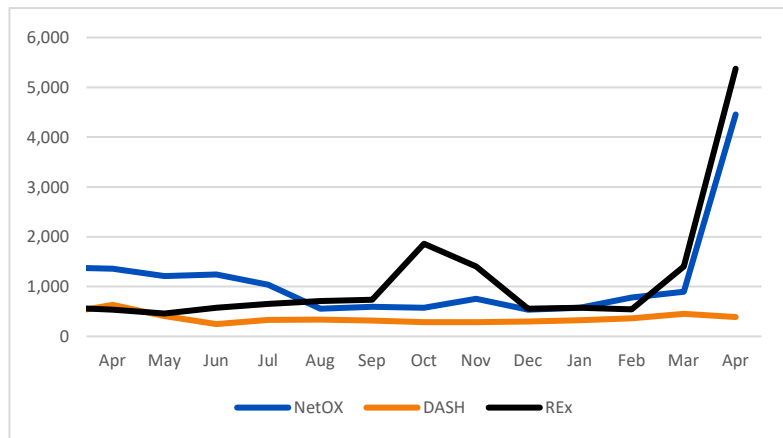


# Information Products



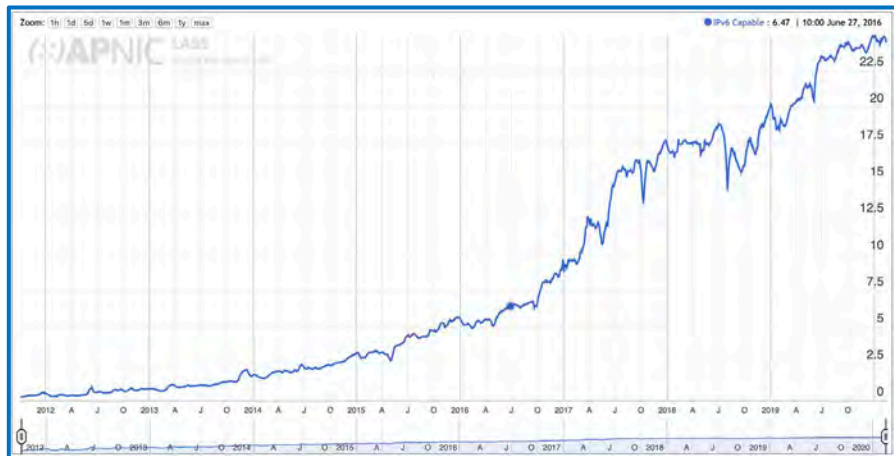
- Resource Explorer (REx)
  - Increase in new users using paid search promotion
  - User interface improvements deployed
  - NPS 58, Usability 4.3
- DASH
  - Work continuing on redesign of information model for routing information
  - Suspicious traffic alerts deployed
  - NPS 72, Usability 4.6
- NetOX
  - Increase in new users using paid search promotion
  - Comparison feature deployed
  - NPS 68, Usability 4.5

Monthly users



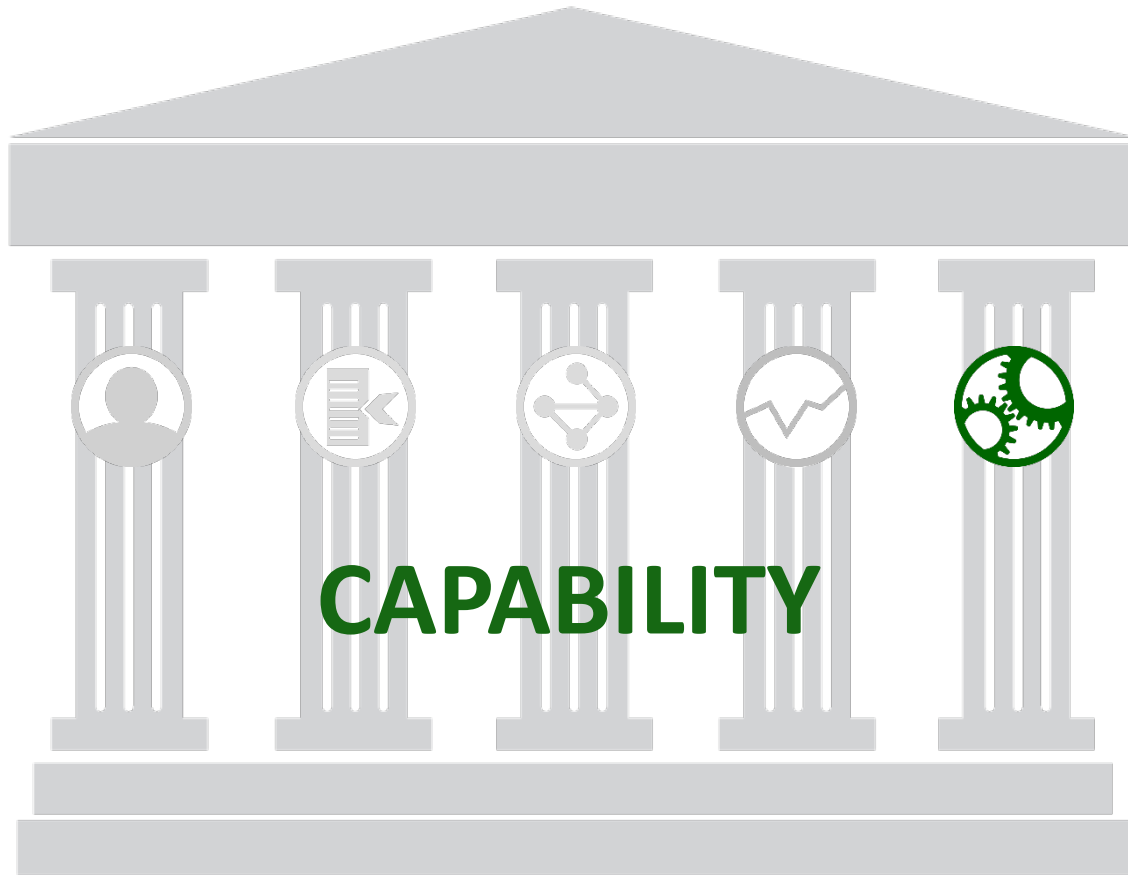
Monthly number of returning users

# Research and Analysis



- 11 presentations at RIRs, NOGs, IETF
- 13 blog posts and 4 podcasts
- Research
  - IPv6 capability
  - Address pools analysis
  - BGP growth and anomaly detection
  - DNS: DOH, large responses
  - QUIC measurements
  - ECN and RSA 2048-bit in DNSSEC
- Cooperation
  - Routing data for MANRS
  - DNSSEC measurements with ICANN
  - Cloudflare collaboration





# Internal Technical Infrastructure



<b>Architecture and technical coordination</b>	<ul style="list-style-type: none"><li>• Reviewed technology platforms focusing on CentOS 7 and JDK</li><li>• Developed requirements for repository health metrics</li></ul>
<b>Network and infrastructure operations</b>	<ul style="list-style-type: none"><li>• Progress continued on SG shared POP deployment for critical services and M-root anycast node</li></ul>
<b>System and platform operations</b>	<ul style="list-style-type: none"><li>• Completed migration of community mailing lists to Mailman 3 with Okta SSO support</li><li>• New HSM ordered for RPKI to allow for data centre failover</li><li>• Deployed RDNS anycast nodes in Mumbai and Tokyo</li></ul>
<b>Internal security operations</b>	<ul style="list-style-type: none"><li>• HackerOne support for VRP and continuous penetration testing in full production</li><li>• Preparation for ISO 27001 certification audit in August</li></ul>
<b>Enterprise applications and IT support</b>	<ul style="list-style-type: none"><li>• Confluence migrated to Atlassian Cloud</li><li>• Sage People with Okta rolled out</li></ul>
<b>Security infrastructure upgrades</b>	<ul style="list-style-type: none"><li>• Red Hat with patch management subscription being tested</li><li>• External monitoring of email SPF and DMARC deployed through MXToolbox</li></ul>
<b>Service availability</b>	<ul style="list-style-type: none"><li>• 99.99% critical services; 99.99% non-critical services</li></ul>

# Quality and Capability



- Annual audit of 2021 accounts
- Automated scripts are in development to prepare data and charts for reports and presentations
- Data management and governance framework being developed
- Biannual People Pulse survey conducted in April; 83% staff engagement (global benchmark 76%)
- 15 roles filled
  - Open roles filled within an average 52 days (despite delays to some technical roles)
- Parental leave policy reviewed
- New Whistleblower Policy
- Workspace review — upgrade of Cordelia St and design of new site

# Facilities



## 6 Cordelia Street

- Interim refurbishment plans (\$250k budget)
- Mitigation of flood damage (\$500K est - insurance)



# Facilities






56 Breakfast Creek Rd

- Purchase by APIDT completed
- Design work underway



# Success Measures - Progress Summary

Targets			
Membership	0	19	1
Registry	1	16	0
Development	2	48	1
Information	1	11	0
Capability	3	34	1
<b>TOTAL %</b>	<b>5%</b>	<b>93%</b>	<b>2%</b>

 Completed

 In progress

 At risk

# THANKS!



Agenda Item 13  
APNIC Survey update





2022  
MEMBER RESEARCH  
PROGRESS UPDATE

May 2022



## CONSULTATIONS WITH MEMBERS & STAKEHOLDERS

Total of 37 interviews conducted, spanning 26 economies:

- 24 APNIC Members
  - 7 NIRs
  - 6 APNIC Stakeholders
- 
- New selection process was trialled by soliciting ‘expressions of interest’ from registrations for the 2022 APRICOT conference
    - Interviewed eight (8) Members who registered via APRICOT
  - Despite this, it was harder to recruit participants in 2022 than previous years, possibly an outcome of COVID-19. Many mentioned “Zoom fatigue” when asked about impacts of the pandemic and consequent restrictions.
  - Discussion guide was updated to include the impacts of COVID-19, and shift to an ‘all online’ model of interaction
  - The inclusion of APRICOT participants and the changes to the discussion guide resulted in a shift in attitudes about the challenges facing Members and Stakeholders, although this could also be an indication of the effects of the pandemic across the world
  - These shifts will need to be monitored in future surveys

## QUALITATIVE KEY FINDINGS

### Impacts of COVID-19

- Increased demand, supply chain issues and workforce impacts dominated the effects of COVID-19
  - Nearly four in five participants reported their organisations had seen an increase in demand for services
  - Supply chain disruptions and inability to secure equipment added a layer of difficulty
  - Participants levels of confidence about the future were mixed – around half were confident that they would continue to experience growth, while half were concerned about geo-political instability and the effect that may have

### Internet challenges

- Internet security, including combatting rising cybercrime activities, and deployment of IPv6 were the major challenges mentioned
  - One in three mentioned that the rise of cybercrime, and in particular ransomware, was concerning
  - Transitioning to IPv6 for small and less developed economies is a challenge because of a lack of resources
  - More mentions of skills shortages than in previous years, specifically a shortage of skilled Internet security personnel
- Continuing to roll out training and support for Internet security and IPv6 deployment were the most frequently mentioned ways that APNIC can help the community
- Leveraging APNIC's standing in the region as a "trusted neutral force" to provide assistance with issues of capacity and reliance on other economies for Internet services were frequently mentioned

## QUALITATIVE KEY FINDINGS

### Online Participation

- Online meetings, training, conferences, and other forums were consistently described as being no substitute for the “real thing”.
  - Despite this, most agreed that future meetings and conferences will need to encompass a hybrid model, where both physical and remote participation is available.

### APNIC’s reputation

- APNIC was described as being highly regarded, and an organisation that is trusted, reliable, and professional.
  - When asked how they would describe APNIC to a friend or colleague, one simply said “whatever you want to know about Internet, especially in Asia Pacific region, you can contact APNIC”
  - Training was repeatedly mentioned as one of the good points about APNIC, with comments that “its training, absolutely worth its weight in gold”.
- New or different activities that would provide value, included frequent mentions that APNIC could adopt a more decentralised, geographically dispersed approach to both staff and systems
- Other comments were that workshops and training were more valuable when held in the local economy (where permissible), and translated into the local language, particularly for more advanced training around IPv6 and Internet security

## QUALITATIVE KEY FINDINGS

### Perceptions of RIRs

- Two thirds of participants have no contact with, or experience of the other RIRs
  - Although participants are aware of the RIR's across the world, few had any opinions or experiences to share, or enough knowledge to offer any definitive suggestions

### Investment in the Internet community

- The three most often mentioned topics were around equal access to the Internet for smaller and less developed economies, educating the 'next generation' about the Internet, and training and upskilling to combat cyber security issues and advance IPv6 deployment
  - Many interviewees talked about the 'digital divide' and inequality among economies. Investment to improve Internet stability and reliability, and building capacity and knowledge across the region was frequently mentioned
  - There was also strong support for APNIC to help in educating the next generation of Internet engineers
  - Engaging with educational institutes in the region to offer programs in network engineering and Internet security were also mentioned
- Education is seen as key to “developing our Internet community in next 20 or 30 years. We need to develop the talents across APAC region, especially for APNIC communities.”

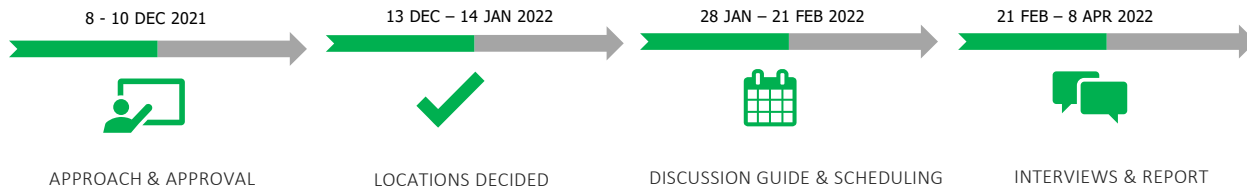
*“I think APNIC or others ... they are from first generation Internet communities. So, we need to find the next generation. We need to educate younger generation as well ... I think APNIC team and EC team are doing well, but we need to bring the next generation leaders amongst the communities.”*



## PROGRESS UPDATE



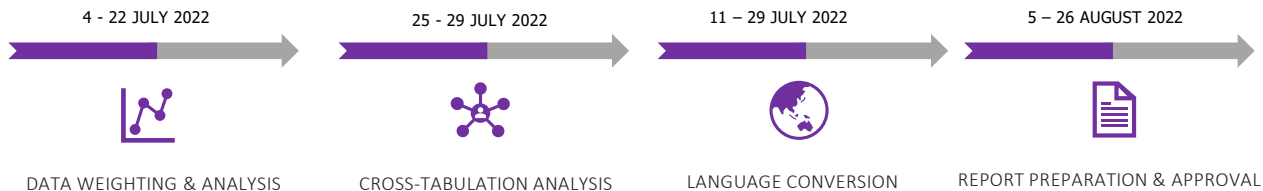
## CONSULTATIONS - COMPLETED



## SURVEY PREPARATION & FIELDWORK – IN PROGRESS



## ANALYSIS & REPORTING



## LANGUAGES

- In 2020, the survey was translated into 14 languages
- Based on the responses, this has been reduced to 9 languages this year

Language	Total 2020 responses	Responses in other language	%	Recommendation
Vietnamese	15	14	93%	Translate
Japanese	50	45	90%	Translate
Chinese Simplified or Traditional	145	124	86%	Translate
Indonesian	74	62	84%	Translate
Korean	10	8	80%	Translate
Mongolian	50	39	78%	Translate
Thai	39	29	74%	Translate
Bangladesh (Bengali)	298	157	53%	Translate
Myanmar (Burmese)	111	52	47%	Translate
Nepali	60	10	17%	Do not translate
Malaysia	35	4	11%	Do not translate
Urdu	36	4	11%	Do not translate
Philippines (Tagalog)	114	7	6%	Do not translate
India (Hindi)	109	3	3%	Do not translate





**QUESTIONS?**



Agenda Item 15  
APNIC Foundation Annual Report and  
update

# Foundation Annual Report

EC meeting (On-line)

27 May 2022

Duncan Macintosh

Foundation CEO

# Key Points

1 New Board candidates proposed

2 Q2 Board meeting held and annual audited financial statements approved

3 2022 project activities on-going

4 Strategic Plan Implementation on-going

5 Additional donors engaged

# **Board nomination process and Foundation Board Q2 meeting**

# Proposed candidates

[Confidential information redacted]



# Board nominations

[Confidential information redacted]



## Q2 May 14<sup>th</sup> Board meeting (second meeting)

- Concurrent meeting
- Apologies from Edward Tian (COVID quarantine); Sharad Sanghi (personal emergency)
- Danish Lakhani re-elected chair



# Q2 May 14<sup>th</sup> Board meeting (second meeting)

## Agenda

1. CEO Report
2. APIDT update
- 3. Approval of AFA and AFHK 2021 annual accounts and budgets**
- 4. AGMs process**
5. CEO performance review process
6. Risk Register – initial presentation and discussion
7. Next Board meeting proposed for Friday, 16 September in Singapore (APNIC54 – also a Foundation conference session)

# AFHK and AFA 2021 Audits

Price Waterhouse Coopers (PwC) Hong Kong and Ernst and Young (E&Y) Australia undertook the audits for AFHK and AFA 2021 financial accounts

Both issued unmodified opinions of the 2021 audited financial statements:

- Gave a true and fair view of the Foundation's financial positions
- Comply with the relevant accounting standards

# AFHK and AFA 2021 finance highlights

- Reduction in AFHK project and account activity with the conclusion of the last DFAT-funded projects
- Continuing development of AFA in terms of projects and grant funding.
- Transfer of operational expenses and overhead from AFHK to AFA
- Going forward, AFA will manage the Foundation's operational budget and expenses

[Confidential information redacted]



[Confidential information redacted]



[Confidential information redacted]



[Confidential information redacted]



# Activity Update



2021 project activity



- PROJECTS
- SWITCH SEA
  - PacTraining
  - ISIF Asia (**No. of projects**)

# Training delivery/Community trainers/APNIC Academy

Supported:

- Asia Pacific: 14 on-line training events
- Australia: 1 RPKI deployment
- Bangladesh: 1 IPv6 training
- India: 2 training events (IPv6 and DNS)
- Malaysia: 1 Internet routing fundamentals training
- Philippines: 1 network monitoring and management training

20 training events so far this year

# M-root

- Hiring a project position in Tokyo (second project position in Japan)
- Developing agreements with Japanese partners (JPRS)

# ISIF Asia grants

For 2022:

- 298 new registrations so far this year
- 698 registrations in total
- 132 draft applications
- 27 applications submitted (79 submitted last year, 39 finally considered)
- 31 May applications closed

2021 IPv6 grants (USD 800,000)

- USD250,000 to Tonga – contract being finalised (payment based on project milestones)
- USD 250,000 to Micronesia– contract being finalised (payment based on project milestones)
- USD 100,000 being discussed with Cambodian organisation
- Others in pipeline. USD 800,000 will be disbursed this year.
- No more IPv6 funding needed

# Sponsorships so far

- Internet Protocol Journal
- India Internet Engineering Society (IIEsoc) event called “Connections”

Still to come:

- MANRS
- PeeringDB
- CyberGreen
- IXP Manager
- IXPDB
- ShadowServer

# Afghanistan

- Commenced in mid-Jan 2022, the project aims to strengthen technical knowledge in the operational community through online mentoring, learning and access to educational resources.
- Initiation phase completed (project leader onboarding/induction, scope baseline, charter and schedule).
- Community consultations related activities started, interviews planned for May-Jun; Online portal development and community building activities planned for Jul-Aug.
- Targets: A network of 20 partners and 30 mentors; and 50 Afghan mentees (15% women) trained by end of the first year of 2022.

# SEA gender and diversity

- Hired new project coordinators in Laos and Timor Leste
- Open a call for expressions of interest for all women and LGTBTQI+ people who work in technical and research areas in Cambodia, Laos, the Philippines Timor Leste and Viet Nam.

# Strategic Plan Implementation





# The APNIC Foundation

## VISION

To have a global, open, stable and secure Internet that is affordable and accessible to the entire Asia Pacific community

## Strategic pillars

- High Performance
- Transformational Engagement & Partnerships
- Meaningful Impact

3 STRATEGIC PILLARS

## DETAILED OBJECTIVES

### MEANINGFUL IMPACT

Enhance levels of knowledge, infrastructure development and inclusion within the Asia Pacific technical community

#### **OBJECTIVE**

**KNOWLEDGE** - Enhance technical and operational knowledge contributing to an informed and collaborative community

#### **OBJECTIVE**

**INFRASTRUCTURE** - Strengthen and support the deployment of Internet infrastructure and deploy tools for operational infrastructure security and monitoring

#### **OBJECTIVE**

**INCLUSION** - Support/enable the Asia Pacific Internet community in providing meaningful and efficient access to the Internet, from a technical and operational perspective

# Foundation Programs

## (Network) Infrastructure

- Deployment & operations
- Monitoring & management
- Security & privacy

## Inclusion

- Availability
- Affordability
- Accessibility
- Diversity

## Knowledge

- Technical capacity
- Localization
- Research capacity

# Key Points



Aim to address **real needs** (surveys, consultation processes, research)



Select areas of investment where **improvement** is possible, and lack of funding is a defining factor



**Transparent, clear and consistent** application, selection and reporting process



**Community** engagement and support



**Best practices** for business and finance administration

# Foundation Funding Mechanisms

- Supporting APNIC community capacity development (APNIC Academy, Training Delivery and network of Community Trainers); infrastructure support (M-Root and IXPs); community building (voluntary organisations, community meetings)



**ISIF ASIA**



**FOUNDATION  
GRANTS**



**SPONSORSHIPS**

# Infrastructure Investments - Examples



## INFRASTRUCTURE

Efforts to increase Internet speed, reduce maintenance and operational costs, improve reliability and/or security from a technical and operational perspective.

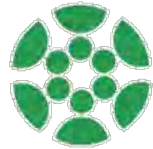
**Network deployment and operations**

**Network monitoring and management**

**Security and privacy**

- M-Root deployment
- AI3 - resilient satellite connectivity to support research & education
- Connect indigenous community of Nitjpurru, Australia
- PNG Sustainable smart villages
- Hybrid LoRa Network, Malaysia

# Inclusion Investments - Examples



## INCLUSION

Efforts to ensure that everyone has meaningful and efficient access to the Internet, online applications and services, from a technical and operational perspective.

Availability of connectivity

Internet access affordability

Accessibility

Diversity

- SWITCH SEA – Supporting Women and LGBTQI+ engineers capacity development
- Connectivity Bridges, India
- Local community-based Internet infrastructure development, Indonesia
- Equal access to information society, Myanmar
- Broadband for all in Yap, Micronesia
- Bamboo towers, India
- OASIS data garden, Solomon Islands
- Connecting villages in San Isidro, The Philippines
- Internet for persons with disabilities, Bangladesh
- Empowering remote agricultural communities with long-range wide area networks, Laos

# Knowledge Investments



## KNOWLEDGE

Efforts to develop technical capacity and/or research around Internet network operations, from a technical and operational perspective.

Professional development

New information and training resources

Translation of knowledge resource into Asia Pacific (APAC) languages

- APNIC Academy
- Training Delivery
- Community Trainers network
- SOI Asia
- Intelligent honeynet threat sharing platform, Indonesia
- Collaborative BGP platform, China
- Bug Zero, Sri Lanka
- Network analysis for AI transformation, Australia
- IPv6 knowledge transfer, India
- Wireless kit for enabling local communications at remote locations, India
- Cybersecurity education, Cambodia
- SDN-based Internet eXchange playground for networkers, Malaysia



# But we don't just fund, we also fund raise for:

- Knowledge
- Inclusion
- Infrastructure



## We look for fund raising partners to engage with:

- **Government and development agencies:** DFAT Australia; JICA Japan; MIC Japan
- **Foundations:** KDDI Foundation; Temasek Foundation
- **Private sector:** Google; Microsoft; NTT

## Earlier this month in Tokyo...

- KDDI Foundation: Partnering with universities to provide information security training
- ITU (funded by the Ministry of Internal Communications): Technical training in the Pacific
- JICA: On-going interest in cybersecurity

# Thank you!

To know more about our work

<https://www.apnic.foundation>

Twitter @ApnicFoundation

FB ApnicFoundation

LinkedIn apnic-foundation

YouTube <https://bit.ly/3A8qDJD>

ISIF Asia | <https://isif.asia>

Twitter @ISIF\_Asia

FB ISIF.asia

# Questions?

Agenda Item 16  
APIDT update

# APIDT Update

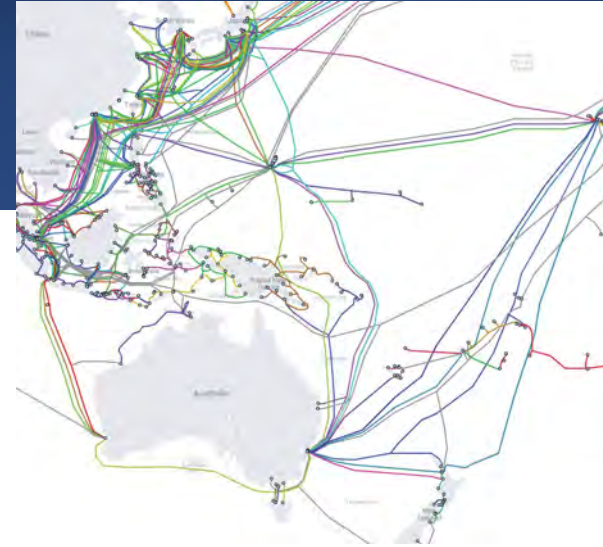
APNIC EC Meeting – May 2022

# APIDT Update

- Funding Activities
- Investments
- Operations
- Financial Performance



# Funding Activities



## IRU Agreements

- IRU – Tokyo -> Guam Live
- IRU – Guam -> Singapore Live
- IRU - Guam -> Indonesia, currently in contract negotiations
- IRU - Guam -> Philippines, currently in negotiations – Pricing received
- Equipment Purchase - Guam/Philippines/Indonesia
  - Purchase order in place since December 2021
  - Significant delays in equipment deliveries at this stage

## APNIC Foundation Grants

- Total Foundation Grants 2021 - \$6,453,641 USD
  - Credit of unused funds from 2021 - \$224K USD
- Foundation Grant request for 2022 - \$14,357,603 USD
- Tranche 1 - \$8,614,562 USD paid in April



# Investments

## Investments

- Established a default “Yield” portfolio similar to the APNIC Investment Fund profile for the initial investment but in USD
- Working with Investment Advisory Committee and Credit Suisse to finalize the APIDT Investment policy statement
- Since the end of April 2021, \$396M USD transferred to the Fund
- Purchase of Property \$15,242 AUD – Approx. \$11,200,000 USD
  - Funded from the USD Account (\$1.43M AUD GST refund due)
  - Master plan for the site currently under development

# Investment Fund Performance



Investment Report 1.4.2022 – 30.4.2022  
 APIDTT PTY LTD ATF ASIA PACIFIC  
 INTERNET DEVELOPMENT TRUST  
 Portfolio: 2003288-70  
 Reporting Currency: USD

## 2. Analyses

### 2.1. Performance

Performance Details  
 Period 1.4.2021 – 30.4.2022

	Since Start of Period	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Jan 22	Feb 22	Mar 22	Apr 22
Ending Market Value	349,612,332	351,944,181	354,459,273	402,592,424	405,932,603	399,459,735	404,845,104	401,682,475	405,886,995	393,321,100	387,502,534	386,454,043	370,041,966
Beginning Market Value	0	349,612,332	351,944,181	354,459,273	402,592,424	405,932,603	399,459,735	404,845,104	401,682,475	405,886,995	393,321,100	387,502,534	386,454,043
Asset Flows including	350,000,100	0	-18,552	46,000,000	0	-26,067	0	0	-26,790	0	0	-26,993	0
Inflows	350,000,100	0	0	46,000,000	0	0	0	0	0	0	0	0	0
Outflows	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Non-Investment Flows	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxes	0	0	-18,552	0	0	-26,067	0	0	-26,790	0	0	-26,993	0
Flow Adjusted Value Change	-387,768	2,331,848	2,533,644	2,133,151	3,340,180	-6,446,801	5,385,369	-3,162,629	4,231,309	-12,565,895	-5,818,566	-1,021,498	-16,412,087
■ Portfolio Return – net	-0.11%	0.67%	0.72%	0.57%	0.83%	-1.59%	1.35%	-0.78%	1.05%	-3.10%	-1.48%	-0.26%	-4.25%
— Cumulative Portfolio Return	-0.11%	0.55%	1.28%	1.85%	2.70%	1.07%	2.43%	1.63%	2.70%	-0.48%	-1.95%	-2.21%	-6.36%



○ Latest update 06/05/2022

**08:00**

CREDIT SUISSE

Portfolio Overview    Insights & Markets    Noti

Welcome  
 You last logged in at 16:44 on 05 May 2022 SYD.

All figures are as of end of day 05 May 2022 SYD unless otherwise indicated.

**Total Wealth**  
 USD  
**367.99** Million  
 367,989,540.63

**Performance**

Month-to-date	Quarter-to-date	Year-to-date
USD -2.27 M ▼ -0.61 %	USD -18.46 M ▼ -4.78 %	USD -37.87 M ▼ -9.33 %

**Portfolios**

MTD    QTD    YTD

NASDAQ... 12,317.69 -1.99%    USD/JPY 130.1730 -0.03%

# Operations

## Operations

- KPMG completed first external audit (13-Jan-2020 to 30-Jun-2021, published at: [apidt.org](http://apidt.org))
- First ACNC (Australian Charities and Not-for-Profit Commission) annual Information statement completed
- ACNC have approved APIDT to move to calendar year reporting in line with Foundation and APNIC
  - Next KPMG financial audit and Information Statement will be for the period 1-Jul-2021 to 31-Dec-2022
- EY provide ongoing financial services and preparing for Statutory Reporting, GST reporting and ACNC annual information statement
- Irene Chan assisting 1 day per week since February, will move to 2 days from July
- Logo design and CI under development
- Master Plan concept development underway

# YTD Financial Performance

Income USD		YTD Mar 2022	YTD Budget 2022	Var to Budget	Budget 2022
<b>Investment Income</b>	Interest Income	2,041	21,345	(19,304)	85,385
	Investment Dividend Income	613,982	767,799	(153,817)	3,071,200
	Gains from market value adjustments	-	4,677,687	(4,677,687)	18,710,744
	Unrealised Foreign Currency Gains	16,331	-	16,331	-
	Realised Foreign Currency Gains	552,945	-	552,945	-
	Less: Investment Management Fees	(269,930)	(277,813)	7,883	(1,131,069)
	Other Income	156	-	156	-
<b>Total Investment Income after fees</b>		<b>915,525</b>	<b>5,189,018</b>	<b>(4,273,493)</b>	<b>20,736,260</b>

Expenses USD		YTD Mar 2022	YTD Budget 2022	Var to Budget	Budget 2022
<b>Funding Expenses</b>	Grants - APNIC Foundation	8,390,156	8,614,562	(224,406)	14,357,603
	APIDT Infrastructure - IRU Operating & Management Fees	34,496	47,521	(13,025)	325,802
	APIDT Infrastructure - IRU Amortisation of Investments	32,921	113,886	(80,965)	736,544
	Depreciation Expenses - ARENA PAC Equipment	-	-	-	243,750
<b>Total Funding Expenses</b>		<b>8,457,573</b>	<b>8,775,969</b>	<b>(318,396)</b>	<b>15,663,699</b>
<b>Operating Expenses</b>	Accounting Fees	28,550	26,916	1,634	107,663
	Staffing & Professional Fees	44,902	71,835	(26,933)	287,342
	Insurance Expenses	21,936	3,801	18,135	15,205
	Legal Fees	18,636	26,739	(8,103)	106,950
	Travel Expenses	1,525	37,500	(35,975)	150,000
	Membership Fees	6,684	6,566	118	8,244
	Depreciation	48	375	(327)	1,500
	Other Operating Expenses	2,177	6,249	(4,072)	25,000
<b>Total Operating Expenses</b>		<b>124,458</b>	<b>179,981</b>	<b>(55,523)</b>	<b>701,904</b>
<b>Total Funding and Operating Expenses</b>		<b>8,582,031</b>	<b>8,955,950</b>	<b>(373,919)</b>	<b>16,365,603</b>

<b>Surplus/(Deficit) - Investing, Funding and Operating</b>	<b>(7,666,506)</b>	<b>(3,766,932)</b>	<b>(3,899,574)</b>	<b>4,370,657</b>
---	--------------------	--------------------	--------------------	------------------

<b>Other Expenses</b>	Loss from market value adjustment	19,683,330	-	19,683,330	-
	Unrealised Foreign Currency Loss	-	-	-	-
	Realised Foreign Currency Loss	-	-	-	-
	Loss on Sale of Intangible Asset	-	-	-	-
	Fair Value adjustment	-	-	-	-
<b>Total Other Expenses</b>		<b>19,683,330</b>	<b>-</b>	<b>19,683,330</b>	<b>-</b>
<b>Total Expenses</b>		<b>28,265,361</b>	<b>8,955,950</b>	<b>19,309,411</b>	<b>16,365,603</b>

<b>Surplus/(Deficit)</b>	<b>(27,349,836)</b>	<b>(3,766,932)</b>	<b>(23,582,904)</b>	<b>4,370,657</b>
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**Consolidated Statement of Financial Position**  
**Asia Pacific Internet Development Trust and its controlled entity**  
**As at 31 March 2022**

	31-Mar-22	
		USD
<b>Assets</b>		
<b>Bank</b>		
Business One	177,763	
Westpac USD	16,224,193	
<b>Total Bank</b>	<b>16,401,956</b>	
<b>Current Assets</b>		
Cash on Hand	183	
Trade and Other Receivables	-	
Prepayments	24,058	
Other Receivables	29,793	
<b>Total Current Assets</b>	<b>54,034</b>	
<b>Non - Current Assets</b>		
Right-of-Use Assets - JGA-N	1,497,056	IRU Investments
Right-of-Use Assets - Guam-SG	525,612	
<b>Fixed Assets</b>		
Plant & Equipment	3,866	
Less Accumulated Depreciation on Plant & Equipment	(48)	
<b>Total Fixed Assets</b>	<b>3,818</b>	
<b>Investment Property</b>		
Acquisition costs	717,110	
Purchase price	10,711,930	Property Acquisition
<b>Total Investment property</b>	<b>11,429,039</b>	
<b>Investment portfolio</b>		
Investment Portfolio	396,786,805	
Market Value Adjustment	(10,332,762)	
<b>Total Investment portfolio</b>	<b>386,454,043</b>	
<b>Total Non - Current Assets</b>	<b>399,909,567.85</b>	
<b>Total assets</b>	<b>416,365,558</b>	
<b>Liabilities</b>		
<b>Current Liabilities</b>		
Accounts Payable	9,247,523	
Accrued Expenses	109,476	
GST	(1,947,767)	
PAYG Withholdings Payable	309	
Provision for Annual Leave	12,559	
Provision for Long Service Leave	1,544	
<b>Total liabilities</b>	<b>7,423,644</b>	
<b>Net Assets</b>	<b>408,941,914</b>	
<b>Trust Funds</b>		
Capital Contributed	440,716,493	
Accumulated Surplus/(Deficit)	(31,774,654)	
Settlement Sum	75	
<b>Total Trust Funds</b>	<b>408,941,914</b>	

**Notes:**

Figures converted into United States Dollar using the following rates:

0.749086 USD United States Dollar per AUD. Rate provided by XE.com on 31 Mar 2022.

- Questions



# Agenda Item 17

## Conference update



# APNIC 54

EC Meeting

27 May 2022

# APNIC 54 Update

- Workshops – 8 to 12 September 2022
- Conference – 13 to 15 September 2022
- Co-located with SGNOG 9, APriGF 2022 and APSIG 2022



# Singapore - travel guidelines (as of 20 May)

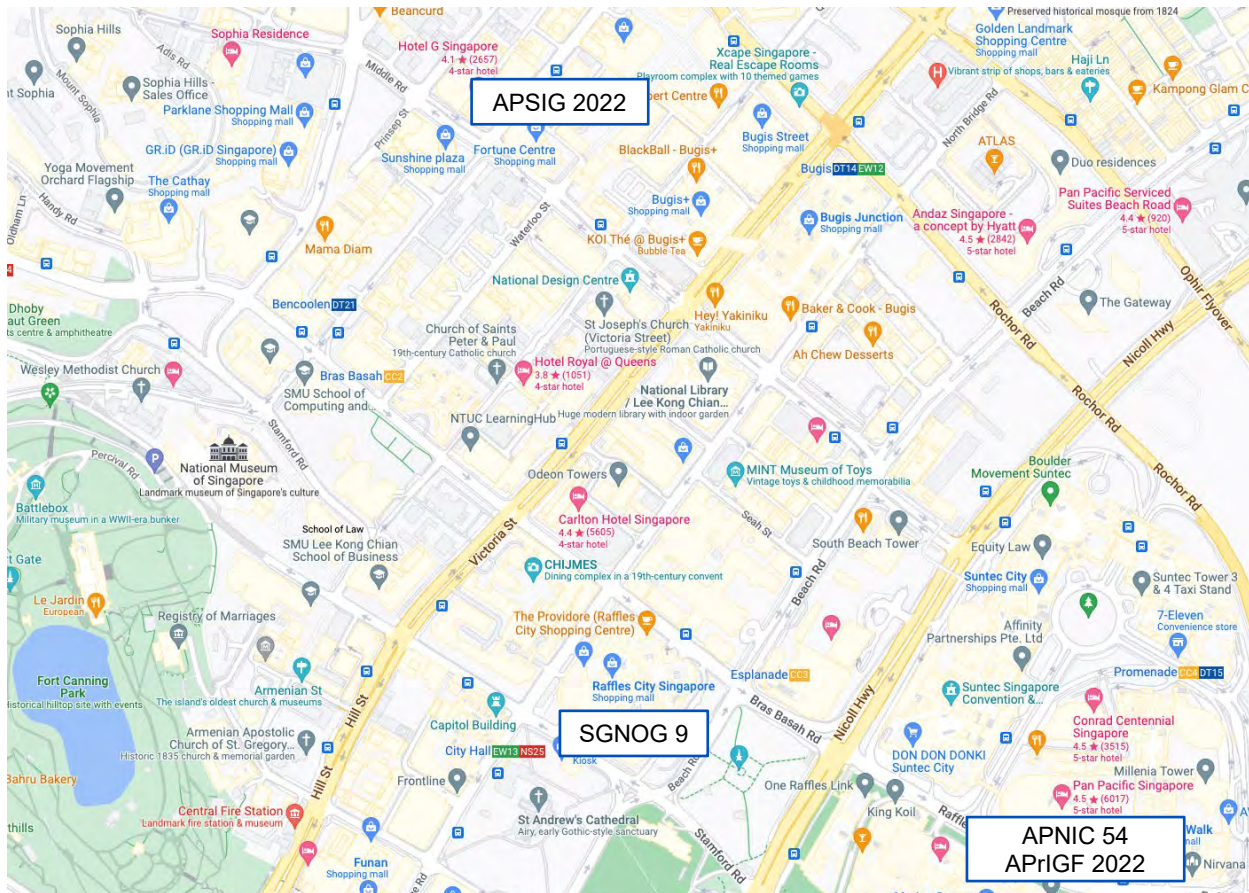
- All COVID-related travel restrictions have been relaxed
- Entry is now permitted from any economy as long as the traveller has been fully vaccinated against COVID-19
  - Proof of vaccination is required – there is a list of accepted vaccines (all major ones are there)
  - Visas are as normal
  - No testing or quarantine measures required if you are well
- Must download and comply with the TraceTogether Mobile App while in SG
- Clinics are able to provide tests to those who need one when returning home

# Venues

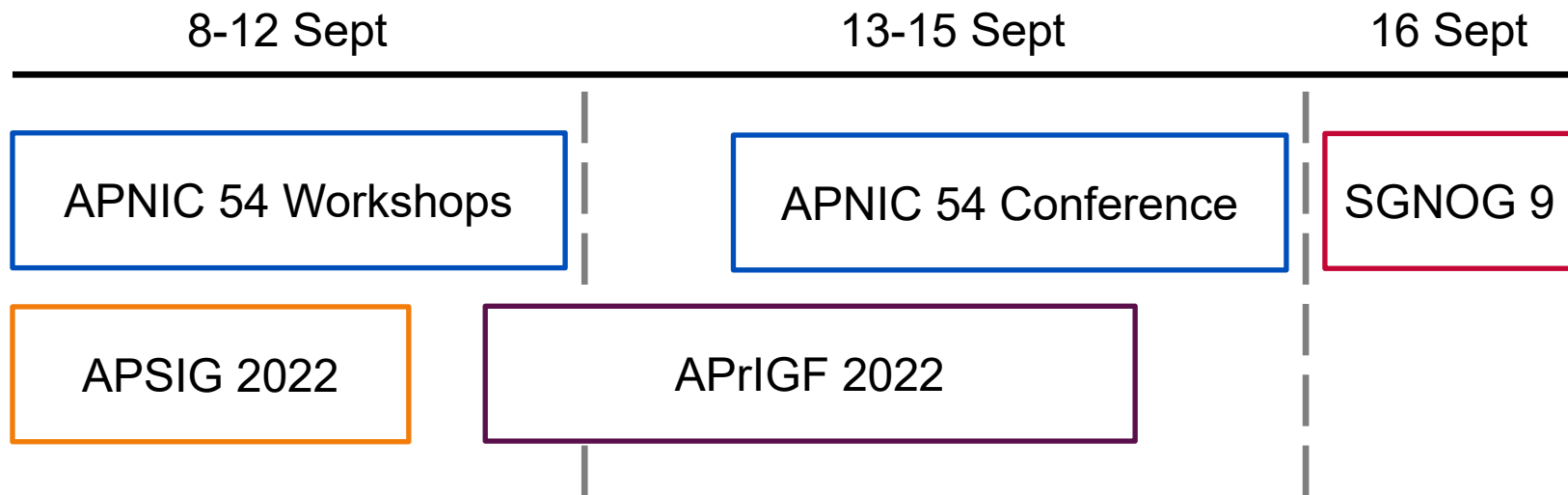
- Pan Pacific Singapore
  - Venue for APNIC 54, APriGF
  - Workshops and Conference
  - Staff and EC accommodation
- Raffles City Convention Centre
  - SGN OG 9 (16 September)
- Ibis Singapore Bencoolen
  - APSIG 2022
  - Fellows accommodation



# Venue locations



# Event Program Overview



# Daily program structure

Time (UTC +8)	Tue, 13 Sept			
09:30 - 10:30	Newcomers welcome		APrIGF	APrIGF
10:30 - 11:00	Break			
11:00 - 12:30	Opening Ceremony and Keynotes (90mins)			
12:30 - 13:30	Lunch			
13:30 - 14:30	Technical	APNIC Foundation	APrIGF	APrIGF
14:30 - 15:00	Break			
15:00 - 16:00	Technical	Cooperation SIG	APrIGF	APrIGF
16:00 - 16:30	Break			
16:30 - 17:30	Technical	Technical	APrIGF	APrIGF
17:30 - 18:30	BoF	BoF		
19:00 - 21:00	Welcome Social			

- Striking a balance between online audiences and F2F attendees
- 5 x sessions/day + BoFs
- 4 x 60min + 1 x 90min
- 1hr lunch

# Other

- Program committee appointed, CFP open
- Registration to open in June
- Socials (venues tbc)
  - Opening Social, 13 Sept
  - Meet the EC, 14 Sept
  - Closing Social, 15 Sept
  - SGNORG Social, 16 Sept



- [Confidential information redacted]

# APNIC 54

EC Meeting  
27 May 2022

# Agenda Item 18

## APNIC 54 election procedures

# Election Procedures 2022 at APNIC 54

NRO Number Council (NC)  
Special Interest Groups (SIGs)

# NRO NUMBER COUNCIL (NC) ELECTION PROCEDURES

# NRO NC Election 2022

- One vacant seat on NRO NC
  - Two-year term from 1 January 2023 to 31 December 2024
- Call for nominations
  - Open from Wednesday, 8 June to 17:30 (UTC +10), Monday, 8 August 2022
- Nominees must meet the following two eligibility criteria:
  - Registered for APNIC 54 by 09:30 (UTC +8), Tuesday, 13 September 2022, **AND**
  - Registered and attended at least one of the eight previous APNIC conferences (APNIC 46 – 53)
- Online voting available to both APNIC Members and APNIC 54 conference attendees who meet the voting criteria
  - Via APNIC Login
- See: <https://conference.apnic.net/54/elections/nc-election/about/>

# APNIC Member Voting

- APNIC Member is entitled to one vote, as an organization
- Corporate Contacts and Contacts with voting rights can vote using the BigPulse voting system
- Voting period
  - Starts: 12:00 (UTC +8), Thursday, 1 September 2022
  - Ends: 13:30 (UTC +8), Thursday, 15 September 2022

# Eligible Meeting Attendee Voting

- Each eligible APNIC 54 attendee is entitled to one vote, as an individual
- Attendee who meets the following eligibility criteria can vote using the BigPulse voting system:
  - Registered for APNIC 54 by 09:30 (UTC +8), Tuesday, 13 September 2022, **AND**
  - Registered and attended at least one of the eight previous APNIC conferences (APNIC 46 – 53)
- Voting period
  - Starts: 09:30 (UTC +8), Thursday, 15 September 2022
  - Ends: 13:30 (UTC +8), Thursday, 15 September 2022



# SIG ELECTION PROCEDURES

# SIG Elections 2022

- Same nomination and attendee voting criteria as the NRO NC election
  - Nominees and APNIC 54 conference attendees must meet the following two eligibility criteria:
    - Registered for APNIC 54 by 09:30 (UTC +8), Tuesday, 13 September 2022, **AND**
    - Registered and attended at least one of the eight previous APNIC conferences (APNIC 46 – 53)
  - Online voting via APNIC Login
- Call for nominations
  - Open from Wednesday, 8 August to 17:30 (UTC +10), Tuesday, 6 September 2022
- Voting period
  - Started: 10:30 (UTC +8), Tuesday, 13 September 2022
  - Ends: 13:30 (UTC +8), Thursday, 15 September 2022
- See:
  - <https://conference.apnic.net/54/elections/sigs/about/>

# Nominations open for SIG positions

- Nominations for the following SIGs will be open for elections at APNIC 54
  - Policy SIG Co-Chair (one position)
  - NIR SIG Co-Chair (one position)
  - Cooperation SIG Co-Chair (one position)
  - Routing Security SIG Chair (one position)

# ANNOUNCEMENT OF ELECTION RESULTS

# Declaration of Results

- At the close of voting, the Election Officers will hold an online meeting with the Scrutineers, download all the election results and email the results to the Election Chair in the presence of the scrutineers
- The election results will be announced at 15:00 (UTC +8) on Thursday, 15 September 2022
- The Election Chair will also disclose:
  - Notice of any disputes and resolutions
  - Disclosure of any communication from the Election Scrutineers regarding any anomaly or issue

# Declaration of Results (example)

- Same format as previous NC election

Rank	Candidates	Votes
1	Candidate B	299
2	Candidate D	200
3	Candidate C	111
4	Candidate A	41
	<b>Total votes</b>	<b>651</b>

## APNIC

Poll Result

APNIC 50

Report date: Friday 11 September 2020 17:09 AEST

NRO Number Council Election 2020

As at Poll close: Thursday 10 September 2020 15:30 AEST

Number of voters: 462 (462 weighted)

Vote counting method: V1 FPTP (first-past-the-post)

Ranked by votes

Rank	Candidate	Votes
1	Shubham Saran	188
2	Md. Shuzanur Rahman	185
3	Nicole Chan	76
4	Jeffery Garae	9
5	Venkata Ramanan (withdrawn)	4
	Total votes:	462

Results generated by [BigPulse Online Voting](#)

# Election Chair

- Xxx as Election Chair
  - Appointed by the APNIC EC
  - Independent from any APNIC Member, or candidate
  - Has no interest in the election results
- Responsibilities:
  - Oversee the election process
  - Appoint the Election Scrutineers
  - Declare the election results
  - Resolve disputes

# Election Officers

- Andre Gelderblom and Connie Chan (NRO NC)
- Sunny Chendi (SIGs)
  - Appointed by the APNIC EC
  - Selected from APNIC Secretariat staff
- Responsibilities:
  - Administer the call for nominations
  - Manage the voting processes
  - Retrieve the online voting results
  - Report the results to the Election Chair
  - Answer queries from Members and voters



# Election Scrutineers

- (Add names here)
  - Appointed by the Election Chair
  - Selected from staff of Internet organizations such as RIRs, ICANN, and ISOC who are present at the conference
  - Do not vote and must be independent from any APNIC Member, or candidate
- Responsibilities:
  - Observe the downloading of election results by the Election Officers
  - Notify the Election Chair in case any anomaly or issue is identified

# Notice of Dispute

- Any complaint regarding the conduct of the election must be lodged in writing with the Election Chair and be lodged no later than one hour before the scheduled Declaration of the Election
- Notices may only be lodged by Nominees or Members through their authorized voting representatives by email to [election-chair@apnic.net](mailto:election-chair@apnic.net)
- The Election Chair shall resolve the dispute at his or her discretion

QUESTIONS?