Pacific Internet Governance Forum (IGF) 2021

Report

6 - 9 September 2021

Hybrid Event

1. Acknowledgement

We would like to express our gratitude and appreciation to all those who made this a successful Pacific IGF event. Special thanks to our country hub coordinators in Tonga, Tuvalu, Papua New Guinea, Niue, Nauru, Samoa, Vanuatu, Solomon Islands and Kiribati. We would also like to thank The University of the South Pacific's ITS team, APTLD Support Team, NZ Conference Team and USP hub managers in the various countries who have worked tirelessly throughout the event. Thank you so much to the AMAZING team behind the success of the Pacific Internet Governance Forum 2021!

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2. Background

The World Summit on the Information Society (WSIS) recognised and endorsed Internet Governance as a people-centred, inclusive information society for all. Internet Governance was born out of the Tunis agenda in 2005 setting out its mandate and terms of reference. The WSIS identified the need for a broad-based discussion of public policy issues on internet related matters and thus requested the Secretary-General of the United Nations to organise a committee to develop the definition of Internet Governance and a new forum for multi-stakeholder policy dialogue.

The Internet Governance Forum (IGF) is a global platform allowing open discussions on internet related policy issues to help inform policy and decision-making from a multistakeholder approach. This approach brings together various stakeholder groups to participate openly on an equal footing. While there is no agreed outcome, stakeholders and delegates effectively share and exchange ideas on various concepts related to the internet.

As a result of the IGF agenda, national and regional IGF initiatives (NRIs) were created across the globe. To date, the IGF website lists 19 regional and sub-regional and 93 national IGF initiatives. "The overall objective of these IGFs is to create a unique space where different stakeholders from the region can discuss issues pertaining to the Internet, reflecting the needs of their respective communities. It facilitates exchanges of the experiences and ideas between stakeholders from the region and contributes to a better engagement of the mapped communities amongst themselves, but also with the global IGF." [https://www.intgovforum.org/multilingual/content/regional-igf-initiatives]

3. Introduction

The Pacific IGF is one of the 19 regional and sub-regional IGF initiatives which was organised in 2017. The Pacific IGF's stated objective is "to contribute to improving regulatory and technical capabilities of member countries, specifically with enlightened involvement in the governance of the Internet." [https://www.intgovforum.org/multilingual/content/regional-igf-initiatives]

The first Pacific IGF was held in Noumea, New Caledonia in April 2011 and then in Port Vila, Vanuatu from 17-18 May 2017. This year's meeting is the third Pacific IGF, held as a virtual and hybrid event, co-located with the Asia Pacific Top-Level Domain (APTLD) Forum. The Pacific IGF was a joint effort between The University of the South Pacific, co-sponsored by the Pacific Islands Chapter of the Internet Society (PICISOC), APTLD, the United Nations – IGF Secretariat, Internet Society (ISOC), Asia Pacific Network Information Centre (APNIC), Internet Corporation for Assigned Names and Numbers (ICANN), internet NZ, Asia Foundation and key stakeholders across the Pacific and others parts of the world.

The Pacific IGF serves as a platform for discussion, exchange and collaboration of Internet Governance issues and opportunities in the Pacific region and recognises the valuable contribution by the governments civil societies, private and public sector, academia, regional and international organisations to endorse the principles of an open, secure and safe internet and web. The Internet has connected people all over the world including people in the Pacific who continue to share information and communicate from

anywhere. Today, the Internet and the web has changed the way we do things and even the ways in which we interact with our family, friends and colleagues all over the world. It's the driving force for new technologies, the digital revolution and the fourth industrial revolution. We have smart-devices and technologies that use the internet of things (IoT) and it's embedded by humans.

Despite the various way of staying online and connecting remotely from anywhere around the world, at least 4.4 billion people are still left behind. Most parts of East Asia and the Pacific continue to remain unconnected. The pandemic has turned a spotlight on the digital divide and we see a significant proportion of people living in remote and rural communities who still don't have access to the internet or access to online education - many of our youths and students are still without an affordable device or cannot afford to go online. The key question is - how far have we come since the 1990s, what have we achieved in the last 20 years and how can we overcome the digital divide? What will it take to connect humanity by 2030 and 2040? How has the Pacific IGF worked so far? The Pacific IGF 2021 enabled meaningful participation from all over the world. It was all about building a community of like-minded people who believed in forward-thinking ideas and opportunities to drive digital transformation, digital connectivity and digital innovations in the Pacific. It was a great example of a community-oriented forum that was people-centred. The Co-chairs of the Pacific IGF Committee, Mr Andrew Molivurae and Ms Anju Mangal highlighted the importance of the Pacific IGF and provided an overview of the key session during the 4-day event.

4. Key highlights and takeaways

4.1.   Journey Down Memory Lane

Over the years and for better or worse, the Internet is rapidly changing and evolving in the Pacific. The pioneers talked about the history of PICISOC, the internet in the Pacific and how quickly we moved into a world of internet revolution. It was a reflection session which put into perspective how the Pacific got to where it is today. Previously, there was friction between the internet and the telecom world. However, over the years, the two evolved and this session reflected on how the internet came to the Pacific and the key agencies involved at the beginning. Few pioneers of PICISOC were mentioned during the session with some of the people involved in the evolution joined as panelists. The key highlights and takeaways from this session are listed below:

- History and background of PICISOC was shared. The IT-PacNet was created in 1994 to check on the ICT developments made by the Forum Fisheries Agency (FFA) and Pacific Islands Applied Geoscience (SOPAC), two regional organisations in the Pacific. At the time, Sam Taufao was the IT manager at FFA and Les Allinson at SOPAC. The IT-PacNet meeting was informal and mainly technical in nature.
- After the first IT-PacNet meeting, it was agreed that they should bring in more organisations to the group. Over time, the countries needed to be part of the process and therefore, the IT-PacNet evolved into a meeting of IT Administrators and Managers from the Pacific region.
- At around the same time, Sam Taufao, while working for FFA, returned from a meeting sponsored by UNESCO and recommended the creation of PICISOC - the Pacific Islands Chapter of the Internet Society. The PICISOC was therefore formed in 1999 during the IT-PacNet in FFA, Solomon Islands. Former PICISOC members - Rajnesh Singh, Franck Martin, Tenanoia Simona, the Late Les Allinson, Anju Mangal, Christina Kuper Wini, Siaosi Sovaleni, Will Tibben, Emani Lui and many others from the Pacific region.
- The IT-PacNet slowly evolved into a Council of Regional Organisations of the Pacific (CROP) ICT Working Group which concentrated on dealing with CROP policies, while PICISOC grew and by 2002, a Board and Executive were in place.
- As the annual meetings became bigger, the PacINET was formed. Since then, PacINET evolved to be the premier ICT conference for the Pacific region. PacINET was able to re-group most of the original functions of IT-PacNet which is an event where anyone can speak freely and share views on ICT/Internet for any organisation, government, the private sector, etc, or as an individual.
- PICISOC's focus is on ICT and Internet issues for the Pacific Islands region, and it works with various organisations and governments in ensuring continuous development of ICT in the region.
- The participation of women in ICT was highlighted as one PICISOC's priorities in the previous years and it was mentioned that there are great people around the Pacific who can provide great advice on how the internet and ICT would be in the Pacific Islands in the future. Ms Anju Mangal, Maureen Hilyard, Gisa Fuatai Purcell, Christina Kuper Wini, Alisi Tuqa and Tenanoia Simona were the founders of the first Pacific Women in ICT group.
- Another key point mentioned was how the pandemic brought new ideas and opportunities to the local Pacific region such as working remotely, e-commerce, online learning, and so forth. Creating values and opportunities with internet usage was then highlighted. However, a collective

approach is required to leverage these opportunities and consider incorporating cultural values in policy making.

- 'The legacy of PICISOC has been influenced by great leaders who have shaped the thinking and capacity of nurturing others to continue finding the right solutions. Over the past two decades or so, many of us have contributed to the development of the Internet in the Pacific, and helped bring it to where it is today. As the digital ecosystem continues to evolve, and integrates further into everyday life, the next generation of leaders need to forge what the future will look like. They can help the region truly realise the vision of the Digital Pacific, and for Pacific Islanders to be players in the global digital economy' - Rajnesh Singh, Regional Vice-President, Asia-Pacific - Internet Society.

4.2.   Enhancing Security in the Pacific

This session looked at the challenges we face in the region, of ensuring safe and secure access when using the internet. Recently, ransomware has been ramped up targeting governments, businesses and even the health sector. We have scams targeting users all over the region, trying to steal their personal information or trick them into sharing their credit card information. Connectivity is important for work, school and for keeping in touch as our borders are closed. However, the cyber ecosystem challenge is not just focused on technical solutions; everyone has their own roles and responsibilities to play including users and network operators, businesses, schools, governments, and other stakeholders.

Experts from across the region highlighted the major trends and challenges in the region, the greater need for awareness raising, the importance of community, the works already done and how to involve everyone in educating the local communities on how to stay safe online. Ransomware and social engineering were also discussed and ways on how to avoid becoming a victim of social engineering was shared. Overall, the following points were the key takeaways from this session:

- While the challenges faced by each country are not unique, reaching out to partners across the region has been key to help address common issues such as ransomware.
- Sharing of best practices and partnerships can help to build cybersecurity communities and improve security across a sector, country, and the region.
- Knowing the trends or threat landscape in the region is key to prepare for and prevent threats.
- Users need to understand the value of their data and how to protect it, such as using multi-factor authentication (MFA).
- The value of awareness raising and training of teams and communities were highlighted.Importance of the "know thy system" rule and what you are protecting.
- Protecting your organisational assets builds trust and confidence with stakeholders.
- Periodic housekeeping is important; outdated documentation can be problematic.
- Online and offline backups need to be done regularly and tested.
- Ways to avoid becoming a victim of social engineering:
    - Do not open emails and attachments from suspicious senders
    - Use multi-factor authentication (MFA)
    - Be vigilant of tempting offers

○ Keep your antivirus/antimalware software updated
○ Train and train again (security awareness raising)

4.3. Digital Transformation and e-Government services – Are they People-Centric?

This session focused on digital governance projects and the different approaches used across the region. The discussion ranged from best practices in connectivity to how users are no longer passive consumers but are becoming more aware and visible digitally. There were questions and discussion around how people with disabilities are included in the governance process; the difference in opinions and views of the public and private sector, and how confidentiality can be practiced during data collection. The importance of transparency in digital governance was also discussed which was the practical reality of combining government approach with technical facilities available.

This session shared the range of work being done in Small Island Developing States (SIDS), acknowledging how far work in the digital sector has come over the last two decades and how we can now learn from our lessons and successes to do better. Key highlights and takeaways are as follows:

● The Solomon Islands government is executing the national transformation using the 'whole-of-government-approach'. Few of the key milestones achieved by the Solomon Islands were the Coral Sea and Solomon Islands Domestic Network (CS2 and SIDN) submarine cable. These developments provide high-speed global bandwidth to the country and thus are no longer a scarce resource. The country has recently implemented volume pricing for the use of the internet allowing users to only pay for what they use, while the government is committed to taking network connectivity to all its people.
● Another highlight was on 'user-becoming-more-visible' as well as experiences on how the submarine internet cable has changed the landscape of connectivity and accessibility in the Pacific. Also, the role of cloud services, the importance of awareness and implementation of appropriate licensing and the need for local people to have a voice in digital projects were also highlighted.
● The discussion covered the e-learning project running in Tuvalu, and the experience on 'balancing-accessibility-with-safety', highlighting the rolling out of e-learning to teachers and students in remote islands, while doing so keeping online safety in mind. The important combination of connectivity and implementation strategies in educating students was also emphasised.
● The session also discussed how digital governance approaches were being made accessible in projects at Catalpa International. The 'do-no-harm' approach was highlighted with a focus on how users' privacy is maintained especially during data collection, entry, and analysis. Another emphasis was on extending the internet landscape in a way that it is transparent and inclusive.

4.4. Governance of the Internet

This session was conducted in a tutorial format with the intention to give the participants the opportunity to learn about the concepts of internet governance. The session looked at the management of the internet's unique identifiers and resources such as internet names, numbers, and protocols as well as the

initiatives and opportunities in the region. The speakers were from APNIC, ICANN and ISOC. The highlights and key takeaways from this session are as follows:

- Internet governance deals with developing and applying principles, norms and decision-making procedures, shaping what the internet is today.
- History of internet governance was shared including how it started off in 1986 with the Internet Engineering Task Force (IETF) developing internet standards and protocols.
- Over the years, 5 Regional Internet Registry Systems (RIRs) were established including APNIC which was established in 1993 to primarily look after the distribution and management of internet numbers and resources such as IP addresses in the Asia Pacific region.
- There is no single point of control for the internet, but every organisation is working towards the same goal of a secure and globally interoperable internet.
- A case study was also shared on IANA stewardship transition or where the U.S. government agreed to the transition of the IANA functions to the private sector in 2016, where it took 20 years. The IANA functions were domain names and root servers, internet protocol (IP) addresses and protocol parameter identifiers.
- The history of internet governance highlights that the IANA transition was one of the core milestones in internet governance history. This process shows that a lot of effort was made to coordinate the different communities, gather the views and interests, and create a plan. This is so internet organisations would not depend on the will of or any contract with one government. Instead, they are to respond to the communities they serve and be kept in check.
- The DNS ecosystem includes different players and stakeholders. Making sure the DNS space is secure is a collective responsibility from all stakeholders involved.
- DNS data is very important. ICANN has been involved in setting protocols, encryptions to ensure DNS space is secure. ICANN developed a tool to protect DNS data called DNS Security Extension (DNSSEC). Only 16 out of the 27 country-code Top-Level Domains in the Pacific have deployed DNSSEC.
- Projects that are happening in the region led by ICANN include a DNS track mitigation program. The goal of this program is to make sure the internet is safe for everyone and to reduce all the DNS security threats and issues.
- Other projects include Domain Abuse Activity Reporting (DAAR) project, Identifier Technologies Health Indicators (ITHI), and the DNS Threat Information Collection and Reporting (DNSTICR) project.
- Initiatives and opportunities include training and capacity building activities to several stakeholder levels such as regulators, managers, engineers, network administrators and so on.
- The ISOC has 136 chapters in 125 countries. Their motto is to have an economic empowerment community, to ensure the internet remains open globally, connected, secure and trustworthy.
- Basically, ISOC's work involves working on policies, standards, and protocols to ensure the internet remains open for everyone. For example, the internet assessment tool kit was built to ensure the policies are not interrupting the technology or the growth of the internet.
- Other projects under ISOC include enforcing encryption or end-to-end encryption on social media platforms. Mutually Agreed Norms for Routing Security (MANRS) project enforcing routing security and a MANRS fellowship program in addition to their training and e-learning in capacity building and development in the region.

4.5. Digital Connectivity in the Pacific

This session focused on the importance of digital connectivity as well as creating meaningful connectivity in the Pacific. The term digital connectivity was defined as the access to the required infrastructure, such as electricity, mobile networks, internet services and devices. Telecommunication was used as an example of how digital connectivity evolved from 2G to 5G connectivity. The discussion covered numerous challenges, opportunities and what has been done and could be done to accelerate digital connectivity across the Pacific. Key takeaways and discussion are highlighted below:

- The idea of regional cooperation emerged as a strong theme of the discussion.
- The value of working together was reiterated in relation to various activities such as regulation, the possible re-establishment of a regional computer emergency response team, joint training, sharing of expert personnel and other initiatives.
- Key challenges mentioned were affordability, taking internet connectivity to the rural and remote areas, geographical locations and how small size population prevents operators' investments.
- Key opportunities highlighted include using digital connectivity for shared platforms across the Pacific region which requires collaborations amongst the countries.
- The importance of government's intervention through policies and regulations as it unlocks various opportunities was also highlighted.

4.6. Emerging Technologies

This session focused on the emerging technologies or digital frontiers that are fast evolving in the Pacific including 5G, Artificial Intelligence (AI), Big Data, blockchain and cryptocurrencies. The panel shared their involvement in emerging technologies and highlighted some of the existing emerging technologies in the region, the opportunities the new emerging technologies provide as well as the challenges in implementing them. The key takeaways from the discussion are as follows:

- The Pacific has pioneers and skilled people in emerging technologies. In close collaborations between governments and private sectors, various stakeholders are focusing on new and emerging technologies. For instance, Samoa is undertaking research on how Artificial Intelligence (AI) can be used to enhance government's services such as using chatbots to serve stakeholders online and providing real-time information to clients and customers. This emerging technology provides the opportunities of assisting with public relations activities, transportation and security and monitoring.
- From entrepreneurs' perspective, emerging technologies should be tailored according to business contexts. Finding the right business model that ensures sustainability is key.
- The COVID-19 pandemic has shifted the mindset of people from the traditional way of doing things to digitally. Emerging technologies in the education sector include e-Learning management system, 3D printing, digital library and digital TV.
- Important to establish a curriculum that considers the emerging technologies as well as ensuring graduates are industry ready. This will improve the readiness of the region to take on the emerging technologies.
- Challenges highlighted include getting the relevant infrastructure at an affordable price to ensure citizens can access the internet and the services they require.

- Payment gateway to be part of the key initiatives in the region.
- The key way forward to getting the Pacific ready for the emerging technologies is collaboration between the key players in the technology ecosystem including governments, private sectors and the citizens.

4.7. A Lightning Talk on Digital Inclusion – Is Digital Trade Inclusive or Exclusive?

The session focused on the question – "Is digital trade inclusive or exclusive?". In support of digital inclusion, PICISOC participates in the Chapterthon project aiming to bring together Small and Medium sized Enterprises (SMEs) and co-design online stores and marketplaces to ensure digital inclusion. From the presentations and the discussion, the key issues and concepts were highlighted as follows:

- Chapterthon 2021 is one of ISOC's global initiatives. It is an opportunity for ISOC chapters to develop a project that makes a meaningful difference in their communities and beyond. The chapters choose the issue they want to work on, collaborate to solve it, and then others can pay it forward.
- The project started in May 2021 and will end in October 2021. The works will ensure that the Internet continues to be lifelong and enriches people's lives during COVID-19 and beyond.
- The participants were encouraged to submit projects such as Do It Yourself (DIY) manuals for entrepreneurs.
- The discussion also highlighted that IT professionals have a responsibility to share their knowledge with their community and make sure there is participation from every group in the community.
- Digital inclusion comes through digital literacy. It is defined as the individual's ability to find and evaluate information, use that information effectively, create new content using that information and share and communicate that newly created information safely using appropriate digital technologies.
- A South Pacific Digital Literacy Framework was shared which can be used to determine whether a person is digital literacy in the Pacific. The framework covers six literacies, computer, media, visual, communication, technology, and information literacy.
- The framework contains a digital literacy scale to measure the level of literacy an individual has and a digital literacy intervention program aiming to upskill the individual's digital literacy.
- Participants were encouraged to join the Chapterthon by contacting the PICISOC board as well as utilising the Digital Literacy Framework to help improve digital inclusion in the Pacific region.

4.8. Opening Plenary:
What are the challenges and opportunities of ICT and Telecommunication during a pandemic or crisis?

The opening session of the Pacific IGF invited ministers from across the region to share and highlight some of the achievements from their respective countries, as well as the challenges they have faced during the COVID-19-19 pandemic and how they have addressed them. The panel members included the **Hon. Toelupe Onesomo**, Minister for Information and Communications Technology (ICT), Samoa, **Hon. Timothy Masiu**, Minister for ICT, Papua New Guinea, **Hon. Hu'akavameiliku**, Minister of Education and Training,

Tonga, **Hon. Simon Kofe**, Minister for Justice, Communication and Foreign Affairs, Government of Tuvalu and **Professor Jito Vanualailai**, Deputy Vice Chancellor Learning and Teaching, The University of the South Pacific. They key discussion points and takeaways from this session are as follows:

- To understand Internet Governance and how it would apply to the Pacific, can be achieved through education and training or ideas to be expanded, spread, and shared through awareness.
- We need to ensure cross-sectoral approaches and partnership to deal with a pandemic - it's not just about the ICT and Telecommunication sector. We need to involve the finance sector, education, health and other keys sectors - we need a whole-government and whole-society approach to tackle the challenges.
- It is becoming more and more important for us to come together as a region to discuss how we want to shape the use of the internet now and the future. To ensure that they are inclusive and bounded by human rights. This includes governments, policy makers, civil societies, businesses, scientific research community and education.
- While the world moves to digital platforms, it is important that the internet environment is inclusive, affordable, secure, and accessible with good cybersecurity provision in our laws to ensure the safety of our children now, and the future.
- Many countries around the globe, if not all, are becoming dependent on the use of ICT to grow their economy, as well as to deliver social services to the people in their countries. In particular, digital transformation is changing the way we conduct businesses. Not only that, social interactions are enabled by the internet. Thus, internet governance is important for us in the Pacific. We need to discuss how best we can collaborate to ensure the internet remains safe, secure, and open to all the citizens in our countries.
- Challenges faced during COVID-19 include proper planning, coordination, and clear policy direction on emergency communication deployment.
- It is important to acknowledge the ICT infrastructure, tools and knowledge that can enable the response to COVID-19 and other disasters as the Pacific region is prone to natural disasters.
- The ICT tools and knowledge can be deployed in multiple ways to limit the damage and sufferings caused by COVID-19 and increase the society's capacity to deal with future threats.
- Using mobile apps and big data to track, trace, and execute responses to virus outbreaks is potentially an evolutionary weapon against COVID-19 The more quickly and accurately virus outbreaks can be identified, assessed, and responded to, the less societies will need to be on lockdown in response to the general rise and increase of the viral trend we are now facing.
- Rapid dissemination of information by governments is also very important, specifically in regards to COVID-19 response, policies and regulations, coordination of the emergency response and the facilitating of global collaborations in the services for virus treatments and vaccines.
- ICT systems can decrease the cost of lockdown in economies and can be used to diminish the spread of COVID-19 and we need to explore urgently and thoroughly the innovative ways in which our continued investment in telecommunications can lower the economic cost and increase the effectiveness of responses to the virus.
- Another challenge is managing the information flow during the pandemic period, so that correct information is reaching the people. Specifically, dealing with the spread of fake news in social media, especially Facebook. Real information comes from the government agencies, therefore, it is the responsibility of the government ministers to reach out to the relevant agencies within government and disseminate the right information to our people.

- Shared infrastructure and services amongst the Pacific region which can be deployed during pandemic and natural disasters. This can be a platform where we can share information and learn from each other to survive during crisis times, pandemics, or any disasters we will face.
- The importance of the Pacific IGF event was acknowledged, and the fellow ICT ministers were encouraged to join the discussion and sharing of information in the future.
- Education is a huge portfolio with very limited resources. So even before COVID-19, Tonga's Ministry of Education faced challenges such as infrastructure issues, lack of classrooms, lack of teachers, lack of computer labs, and so forth.
- COVID-19 brings in a new dimension and it increases the severity of trying to provide education to the population. With COVID-19, the strategy of providing and delivering education must be reconsidered to ensure students can access education from wherever they are, in case of lockdown and schools' closing down.
- Tonga used a multi-mode approach which considered delivering education through televisions, radios, printing materials, as well as the internet and the curriculum had to be adjusted to enable online learning.
- Some of the issues to look at, include the infrastructure, the penetration rate and how to cater for the whole population. Providing education in Tonga is no longer an education issue, but needs a more holistic approach by involving other stakeholders.
- Challenges faced by the Tonga Ministry of Education in trying to get internet access to the students' homes includes infrastructure and internet prices. To address this, the government collaborates with Internet Services Providers (ISPs) to provide internet packages or deals to students at a more affordable price.
- Tonga's Ministry of Education received funding from the Global Partnership in Education (GPE) to have the classes recorded. Students can access more locally and relevant materials anytime as recordings are done with tailor made materials from the ministry's curriculum.
- Another issue considered in the planning is the potential misuse of the internet, as well as the online safety of the students. Tonga has legal measures such as the Computer Crimes Act and the Information Misuse Offences Act to provide protections for the students. Therefore, there is a need to teach both students and teachers on how to use the internet safely and use the platform effectively.
- Added benefit to the work carried out in preparation for a lockdown due to COVID-19 is the availability of the online materials to be shared with the outer islands and remote schools. The materials can be accessed anytime. ICT should also be included in the curriculum to provide students with the skills and knowledge required.
- For future discussions, financial institutions should join the discussion on figuring out ways to provide students and parents with an affordable device and internet access.
- Cross-sectoral and multi-stakeholder approach should be taken with meaningful connectivity. However, these issues will not be resolved overnight, rather a mid to long term planning, as well as incorporating the training and materials to the Ministry of Education's curriculum.
- Countries have accelerated the use of digital adoption since the COVID-19 outbreak. Tuvalu has quadrupled their internet bandwidth usage since March 2020.
- Technology comes as a double edge sword. It comes with it benefits by improving our services, more efficient, people can access more information, but on the other hand, comes with

misinformation and disinformation, creating a lot of problems for governments and communities such as the exposure to cyber-attacks and cyberbullying

- Approaches taken in battling misinformation is to have a more visible presence online - to be more active and allow people to receive the current information. Because it is a challenge to block people from their freedom to express their opinions. However, to counter that, governments put the genuine information online and allow people access to it.
- Technology is a tool to build nations and improve livelihoods and as governments modernize their systems, it is important not to lose their respective values such as respect, collaboration, and cooperation.
- We as the Pacific, should not only be consumers of these technologies, but need to have a paradigm shift where we create new technologies and contents for ourselves and make them available to the global market.
- Internet coverage has reached every part of the country including remote islands and Tuvalu is still in the early stage of the blockchain project.
- The University of the South Pacific has three areas which are the provision of quality education, the continuity of education, and enhancing the experience of the students.
- COVID-19 shook the three key areas of the university but with the ICT infrastructure that had been developed for a while, helped to mitigate the provision, continuation of education and the students' experience.
- Three risks students face during COVID-19. The impacts of COVID-19 such as closing down of regional campuses, not having the tools of learning and affordability of internet accessibility.

4.9. The Importance of Effective International and Regional Partnerships to Support Pacific Regionalism and the 2050 Strategy for the Blue Pacific Continent

Partnership is an important topic in the development of the Pacific region. The goal is to ensure an open, globally connected, secure, and trusted internet. The session provided a background on Pacific regionalism, its importance and how our government leaders address many of the common challenges that our Pacific nations face today. Key points of the discussion are listed below:

- The 2050 strategy for the Blue Pacific Continent and the Pacific e-commerce strategy and roadmap 2021 – 2026.
- The 2050 strategy is founded on provisional themes, one of which is technology and connectivity, covering two main parts. The building of capacity to effectively capitalise on innovation, new and emerging technologies, scientific knowledge, and advances, as well as maximising the use of data and information to ensure evidence-based decision making that will help drive the achievement of the 2050 vision.
- Secondly, ensuring connectivity, through access to more affordable and reliable air and sea transport systems, operations and the adoption of up-to-date ICT infrastructure and technology. These drivers of change were focused on scientific knowledge and research with sustainable production and infrastructure development, and technology to address the need for surveillance legislation and regulation to counter security threats, transnational crime, and corruption, and the importance of data and information integrity for decision making.

- The second theme was derived from the driver of change, focused on the region's connectivity, internal and external through access to reliable and affordable transport and communications in ICT.
- Technology is fundamental and is a key element that has a direct impact on the progress in different areas of our life, such as education and training, health, climate change and so on. Therefore, ICT is the perfect platform and tool for the development of the 2050 strategy.
- The Pacific e-commerce strategy and roadmap 2021 – 2026 identifies measures, which can improve e-commerce readiness and digital transition. ICT infrastructure is the backbone of this growth, but to enhance it further. Addressing and creating an enabling regulatory environment is critical for further expansion.
- IGF has been a space that has allowed people to talk about issues such as access and struggle for universal affordable access.
- Economic and social inclusion remains the biggest challenge to having a fully open and inclusive internet. Universal access and meaningful connectivity are also linked to that.
- Participation from the Pacific region to the global IGF was encouraged.
- ISOC continues to focus on growing the internet so that more people can have access, so that the vision of the internet is for everyone becomes a reality, and to strengthen the internet, so that the internet the people are using are trustworthy and secure.
- Fellowship programmes, training and capacity building programs are available to the Pacific.
- Emphasis was made on digital resilience as the Pacific region is prone to natural disasters apart from the COVID-19 pandemic. The Internet and satellite have increased the region's resilience and two areas highlighted during covid are infrastructure resilience and cyber security.

4.10. Pacific IGF Closing Panel

The closing session of the Pacific IGF focused on the topic of misinformation and as a community, how can we work together more effectively to address and combat the challenges of misinformation and disinformation in the region. The key highlights and takeaways are as follows:

- Online safety involves being safe around the information shared on digital platforms.
- Even though we are only consumers of the technology we use and the digital platforms we interact on, we should also be involved in implementing the policies around these platforms.
- Common issues in the Pacific include people thinking and spreading negative contents about the COVID-19 vaccinations.
- Potential way to address this issue is to have the relevant government ministries working together with partners to correct the misinformation and share the correct information through different mediums. Also, consider creating a National Information Hub as a center for government information.
- Misinformation is one of the main challenges in the Pacific which goes to the extent that it costs lives, with regards to COVID-19 misinformation. It also breaks trust and creates fear and unnecessary panic in the community such as breaking people's trust on key institutions such as the governments, media, police, some traditional institutions, and even religious institutions.
- People use social media not knowing how to check for genuine information online and without proper education on how to benefit from the platforms. Also, there is no short-term fix, rather a long-term campaign on educating our people and building their trust.
- Google shared that their mission is centered around useful and accessible information. Therefore, five key pillars have been developed and applied across all google products and services to address misinformation and disinformation.
    - Improve the standing quality of contents online by raising the ranks of authorised sources of information.
    - Protect users and countering malicious activities such as policies around misinformation and disinformation.
    - Empower users.
    - Collaborate across the whole ecosystem such as providing training to journalists on fact check.
    - Emerging threats.
- Addressing COVID-19 misinformation, Facebook removes harmful health misinformation and they are looking at increasing their capacity with respect to local events and language, digital literacy initiatives, encouraging the development of online safety infrastructure, election integrity measures, and economic initiatives.
- A more holistic approach is required to tackle the issue of misinformation and disinformation. A call for all the communities to address the issues of misinformation and disinformation.
- Some of the avenues to address the challenges with regards to misinformation are education, community engagements and getting involved.

- Political leadership plays a huge role in clarifying good information. Therefore, it is important for them to be involved as well.
- Another way is to create a Pacific-based fact check center or platform to help people verifying correct information.
- Teaching digital skills and literacy to all is very important.

4.11.   Security: Before the Levee Breaks
Business Continuity, Privacy and Security Risk Management: Lessons from the Pandemic

The discussion in this session were on various topics including "Security Threats to Internet Infrastructure Resources and Countermeasures" where the importance of the internet resources (IP and domain names) as well as how these resources become the main target of attacks was emphasized. The discussion shifted to the topic "Harnessing the power of open data to build a secure and resilient Blue Pacific" where the concept of open data was highlighted to be instrumental in solving pacific centric issues. Some obstacles in the complete acceptance of open data and how it can be more reliable and fit for use was also discussed.

The session continued to another interesting topic focused on "Digital Response During the COVID-19 Pandemic. How did we maintain Business Continuity and Recovery support (Samoa's Digital Support from Public and Private)". The last topic of discussion looked at the "Privacy and the Virus - a Pacific View focused on the BPO business in Fiji, and disaster recovery from an ISP perspective". The key takeaways from the discussions are highlighted below:

- In 2020, 79% of organisations encountered DNS attacks. The average cost of each attack was about $924,000.
- In terms of losses caused by DNS attacks, North America leads with an average loss of $1.07 million per attack.
- DNS attackers are more interested in cloud computing.
- The proportion of internal application downtime caused by DNS attacks is still very high: 62% this year, compared with 63% last year.
- 77% of interviewees believed that DNS security is an integral part of the Internet system, while 64% believed so in the previous year.
- The continuous threat of large-scale DDoS attack on DNS including DDoS attack on root domain name server, "DYN" Attack. The continuous domain name hijacking attacks have become the main means of hackers include Attacks on "Baidu" domain name, "Sea turtle" attack.
- The defect of BGP protocol makes the Internet vulnerable (BGP hijacking attacks) including YouTube disconnection incident caused by Pakistan Telecom (2008), Hacking Team assisted the Italian hacker group's attack through BGP Hijack (2015), 8 million Japanese users were disconnected for 1 hour due to a Google engineer's incorrect configuration (2017), Amazon lost US $17.3 million because of the BGP （2018）
- DNS software flaws bring long-term risks. Counter measures include:
- Strengthen the security awareness and cooperate to resist the security threats by Understanding the trends of network security and cooperating to build an anti-attack system.

- Deploy DNSSEC and reconstruct the basis of Internet security: Solve the problems of man in the middle attack, cache poisoning, domain name hijacking through DNSSEC deployment.
- According to the monitoring data of CNNIC, DNSSEC deployment has been realised at the global root level and top level. But the secondary and lower authorities and recursion need more support.
- Deploy RPKI and ensure the credibility of IP resources: Construct the Internet routing security public service platform and CNNIC RPKI service platform.
- The concept of open data will be instrumental in solving pacific centric issues. However, some obstacles in the complete acceptance of open data need to be overcome so it can be more reliable and fit for use.
- Samoa's digital support focused on 3 main elements: (1) Confidentiality - Data and Information; (2) Integrity-Data, Systems, Infrastructures, Human Systems; (3) Availability - Data and Information, Infrastructures, Human Systems. To accomplish these 3 elements, organisations and individuals need to realise the importance of Business Continuity Support for Digital (COVID-19) through coordination of processes, infrastructure and human resources, and the importance of confidentiality and cybersecurity in the wake of the pandemic.
- Support initiatives in Samoa include the SamCERT initiative which was set up for Incident support and cybersecurity, and other support activities involving the ISPs, SITA, MOH, Media, government, and educational platforms.
- A multistakeholder approach driven by strong leadership is one of the key pillars for digital support during COVID-19. Strong leadership direction and getting the communication right and that the realisation that everyone's duty to provide support in all areas of the National.
- The constitution articulates privacy and security however, this was challenged during the COVID-19 crisis. Other challenges were social contract and historical exceptions, and the processing of personal data in the context of COVID-19 outbreak.
- The discussion also covered the European Data Protection Board and GDPR. Some new privacy issues arising from COVID-19-19 stimulus package raised questions on trust.
- Tools in data privacy - Common Sense, Laws, at all times must be "Organic".
- The BCP in the BPO business - resilience is a key element.
- Privacy Balance - private vs public interests.
- Internet evolution and privacy evolution - Our needs must be paramount- data legislation needs to be organic, not forced.

5. Registration and Participants Statistics

The online registration and participants for the Pacific IGF 2021 is summarised below:

- Number of registrations: 637
- Number of countries: 36
- Number of speakers: 124
- Minutes of content produced: 2,041
- Busiest session: 87 participants concurrently viewing including 7 hub participants who had more than 100 in-person country attendees

Max concurrent views:

	Stream A	Stream B	Network and Breakout
Day 1	80	18	No concurrent view report for meetings platform
Day 2	68	No Stream B	
Day 3	85	34	
Day 4	53	28	

Total count of unique viewers:

	Stream A	Stream B	Network and Breakout
Day 1	200	58	Training Day 1 - 45
Day 2	164	No Stream B	Training Day 2 – 55
Day 3	211	48	24
Day 4	144	82	92

The total number of onsite registration and participants at the country hubs are summarised below:

Hubs	Number of Participants
Samoa	49
Tuvalu	37
Kiribati	26
Solomon Islands	18
Tonga	14
Vanuatu	9
PNG	30
Total	**183**

6. Recommendations

The Internet and the web must be open, secure and safe for all. All decisions made about the Pacific Internet Governance should be done using an inclusive and multi stakeholder approach.

Key recommendations:

- We need to work together and embrace the Pacific way - making culture, diversity and inclusion a central part of our plan in Pacific Internet Governance
- Establish cross-sectoral processes and approaches to work with key sectors (finance, education, agriculture, health etc) and across organisational and geographical borders.
- Establish strong regional and international cooperation to promote the Pacific Internet Governance.
- Governments, private and public sector, civil societies, academia must work together to bridge the digital divide and work together to ensure that the Internet is for all.
- Ensure meaningful connectivity and affordable access to the Internet in the Pacific
- Empowering Pacific Islanders with the right digital skills training and equipping people with the right ICT skills is imperative.
- Promote digital skills assessment in the Pacific
- Empower youths with the right digital skills and encouraging them to become part of the IGF process
- It's important to invest in the right tools and solutions to ensure online safety and cybersecurity for all
- Ensure more cybersecurity training and awareness in the Pacific
- Ensuring that we take online safety seriously and encourage big businesses, SMEs and organisations to protect the rights, privacy and security of all citizens
- We need to protect and promote human rights online
- Ensure business continuity and data protection laws and data management strategies are in place for the Pacific
- Ensure an inclusive and diverse approach to work with marginalised groups and minority groups e.g., persons with disabilities, LGBTQIA+ groups, rural and remote communities, youths and women and girls
- Build a resilient and sustainable Pacific IGF process
- Establish a Pacific IGF roundtable dialogue through informal talanoa session with the Ministers and all the relevant stakeholders
- Support the mandate of the Regional CROP ICT working group
- Support national Internet Governance Forums, national ICT Summits and working groups
- Ensure good leadership, good governance and transparency
- Prepare for the next Pacific IGF with the support of the Pacific IGF Multistakeholder Committee, key partners and sponsors

7. Conclusion

Collaborating online through a hybrid format and connecting all the nine hubs with a dispersed team of International, Regional and Local teams has been a great success. The primary objective of the joint APTLD80 and Pacific IGF conferences was to create awareness amongst stakeholders in the Asia Pacific region on Internet Governance through the multitude of threads within the joint agenda over the 4 days – in this regard, the 2021 conferences far exceeded expectations, particularly considering the subdued COVID-19 world that we all live in today.

There have been a few key contributing factors to this that are worth highlighting as they essentially provide a formula for further successful regional engagement that may be difficult to resist – even when borders open up and international travel re-commences, in whatever form that may be.
- Firstly, collaborating through the hybrid online / local-hubs format proved immensely successful - with the nine hubs dispersed around the Pacific Island countries providing a level of engagement and interaction that purely online conferences would not have been able to engender otherwise.
- Further to this, the hybrid model of conferencing allowed for a communal spirit of participation which is key to Pacific regional engagement – of course, food being the Universal fuel of discussion helped as well!!
- Finally, the hybrid model allowed for significantly more participation and engagement with the sessions (the trainings were particularly popular!) than would usually be affordable for most regional country ccTLD and ICT stakeholders – providing the proverbial bang for the buck for both organisers and participants.

Buoyed by the extraordinary spirit of collaboration and engagement fostered between participants, organisers, sponsors, speakers and panellists there were a few key outcomes/conclusions that underscored the four days of the joint conference. The first was the need to ensure that there was a continuation of such conferences and engagements within the Pacific region to ensure that the sharing in knowledge and practice of good governance around the Internet were continuously reinforced – this was particularly espoused during the Opening Plenary session by the honourable ministers of regional governments that were guest speakers.

A supplementary conclusion was the criticality of the multi-stakeholder approach to all the relevant issues covering Internet governance and its related threads – it was a prevalent theme across the 4 days that this was the best way to ensuring that the way forward was inclusive of all input from all segments of the Internet community, was reflective and cognisant of the cultures and values of Pacific people and as such would go a long way to ensuring the sustainability in implementation.

Annexes

Annex A: Press Statements and Coverage

A PICISOC Mailchimp account was created for the sole purpose of media distribution, but due to the lack of existing media contacts, Savvy Vanuatu's contact list and Mailchimp account was used instead.

The first media release went out Friday 3 September 2021, 10:12 am Vanuatu time to a total of **249** media contacts from around the Pacific region, Australia, New Zealand, New Caledonia and other media organisations around the world. Link to media release https://bit.ly/3iawNkT.

The media release was published on the following media organisations:

- Loop News Vanuatu - https://www.loopvanuatu.com/tech/pacific-internet-governance-forum-pacigf-2021-hosted-virtually-104160
- Loop News Samoa - https://www.loopsamoa.com/tech/pacific-internet-governance-forum-pacigf-2021-hosted-virtually-104160
- Loop News PNG - https://www.looppng.com/tags/pacific-internet-governance-forum-igf
- Loop News Nauru - https://www.loopnauru.com/tech/pacific-internet-governance-forum-pacigf-2021-hosted-virtually-104160
- Foreign Affairs New Zealand - https://foreignaffairs.co.nz/2021/09/03/mil-osi-submissions-asia-pacific-pacific-internet-governance-forum-2021-details-released/
- Nepituno Tonga Online News - http://nepituno.to/~nepituno/index.php/others/item/4566-tonga-participates-in-the-3rd-pacific-internet-governance-forum-2021-igf
- Island Business - https://islandsbusiness.com/news-break/pacific-events-calendar-september-2021/
- Vanuatu Daily Post - https://www.dailypost.vu/news/pacific-internet-governance-forum-2021/article_afaf2908-42d2-5496-b4a5-d9d8126f1eab.html
- Vanuatu IGF - https://www.internet.org.vu/pdfdoc/MEDIA%20RELEASE_PacIGF.pdf

The second media release went out Wednesday 22 September 2021, 10:09 am Vanuatu time to a total of 249 media contacts from around the Pacific region, Australia, New Zealand, New Caledonia and other media organisations around the world. Link to media release https://bit.ly/3ALUszs.

The media release was published on the following media organisations with more still to come:

- Solomon Times - https://www.solomontimes.com/news/virtually-connecting-and-building-pacific-communities-in-COVID-19 pandemic-times/11124
- National University of Samoa - https://nus.edu.ws/pacigf-2021-media-release/

Social Media Platform Graphics

The social media graphic contents were made from images supplied from the country hub facilitators. Organic designs were also generated for countries that did not send in an image. All Facebook content

was posted on the Pacific Internet Governance Forum Facebook page and shared on the PICSIOC Twitter and LinkedIn accounts.

In early August the PacIGF Facebook account had **174** likes and followers. Now it has reached **1,351** likes and **1,367** followers, as observed from the graphs below.

Most of the Facebook posts were boosted to all ten county hubs - Fiji, Papua New Guinea, Kiribati, Nauru, Niue, Tonga, Samoa, Solomon Islands, Tuvalu and Vanuatu.

Annex B: Multimedia Excerpts

Participants from Port Moresby, Papua New Guinea

The National University of Samoa team and Participants from Apia, Samoa

The team and participants from Honiara, Solomon Islands

The team and participants from Nuku'alofa, Tonga

The team and Participants from Funafuti, Tuvalu

The participants from Tarawa, Kiribati

The team and participants from Port Vila, Vanuatu
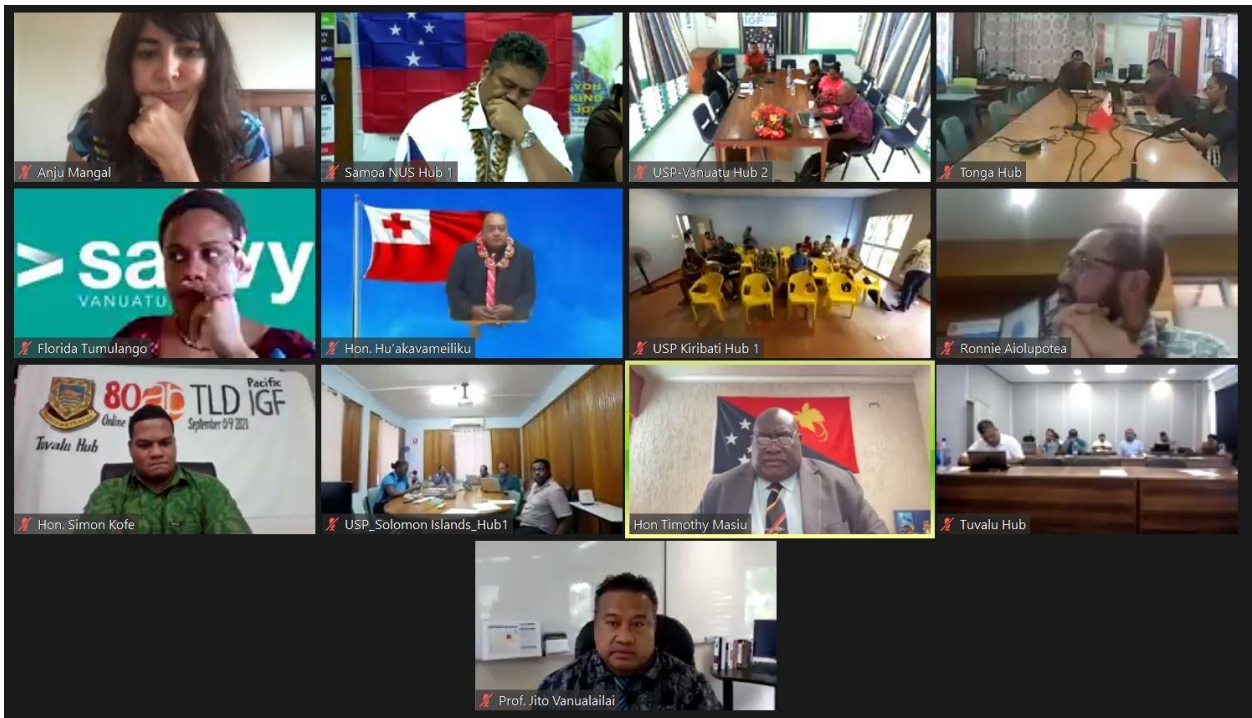
Pacific IGF Session with the Ministers and USP

Hon. Simon Kofe, Minister for Justice, Communication and Foreign Affairs, Government of Tuvalu

Hon. Timothy Masiu, Minister for ICT, Government of Papua New Guinea

Hon. Hu'akavameiliku (Siaosi Sovaleni), Minister of Education and Training, Government of Tonga

Hon. Toelupe Onesomo, Minister for Information and Communications (ICT), Government of Samoa

Professor Jito Vanualailai, Deputy Vice Chancellor Learning and Teaching, The University of the South Pacific
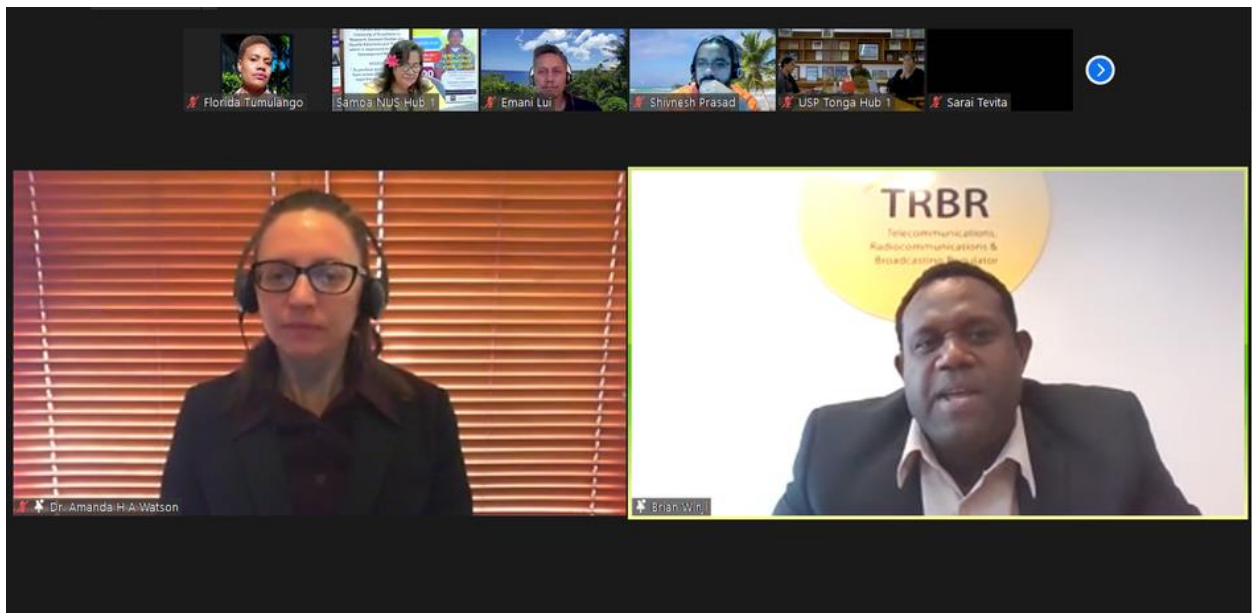
Dr. Amanda Watson, Research fellow, Department of Pacific Affairs, Australia and **Brian Winji**, Regulator, Telecommunications, Radiocommunications and Broadcasting Regulatory of Vanuatu.

Lematua Gisa Fuatai Purcell, CEO and Regulator, Office of the Regulator Samoa a the Digital Connectivity in the Pacific session.

Participants from Apia, Samoa during the Pacific IGF's Opening Plenary session.
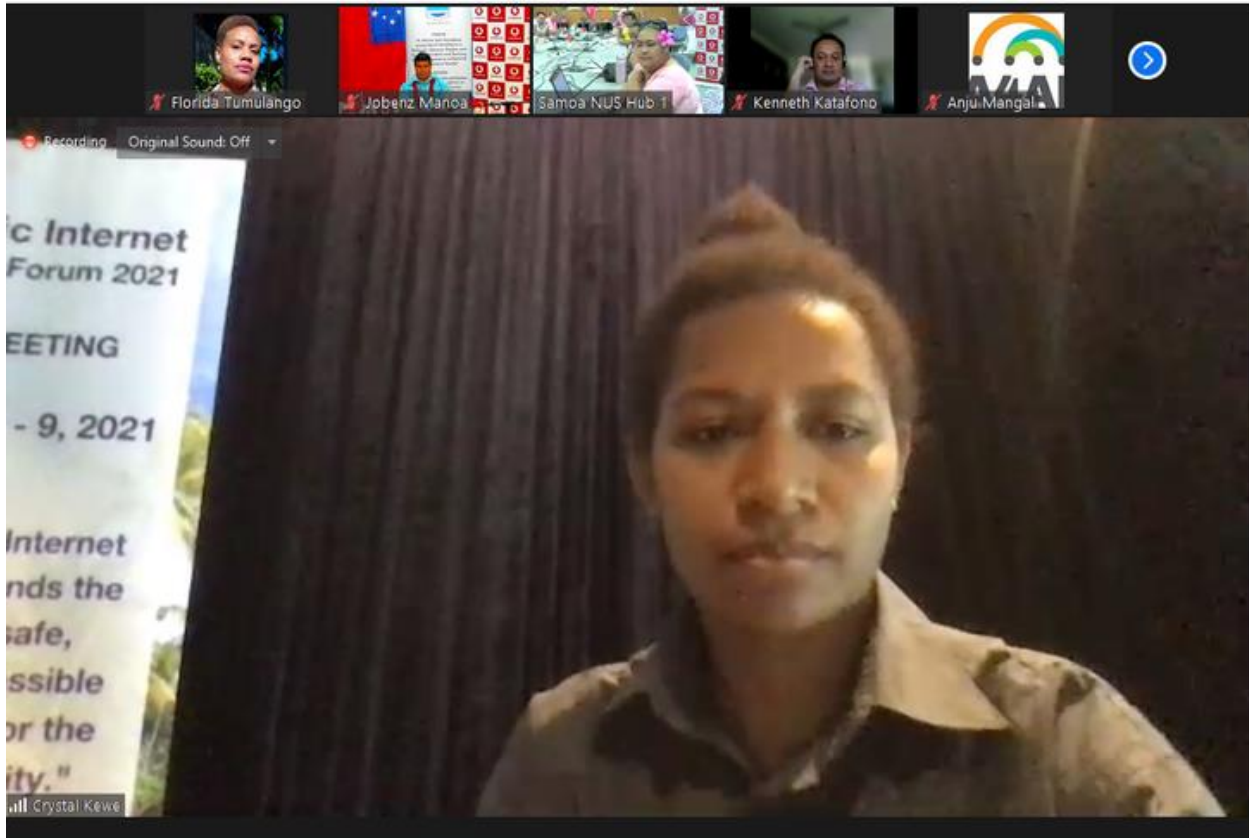
Crystal Kewe, CEO Crysan – Software Engineer, Business Entrepreneur, Papua New Guinea at the Emerging Technologies session.

Speakers, moderators, and attendees at the end of the second day for Pacific IGF.

More attendees at the end of the second day for Pacific IGF.
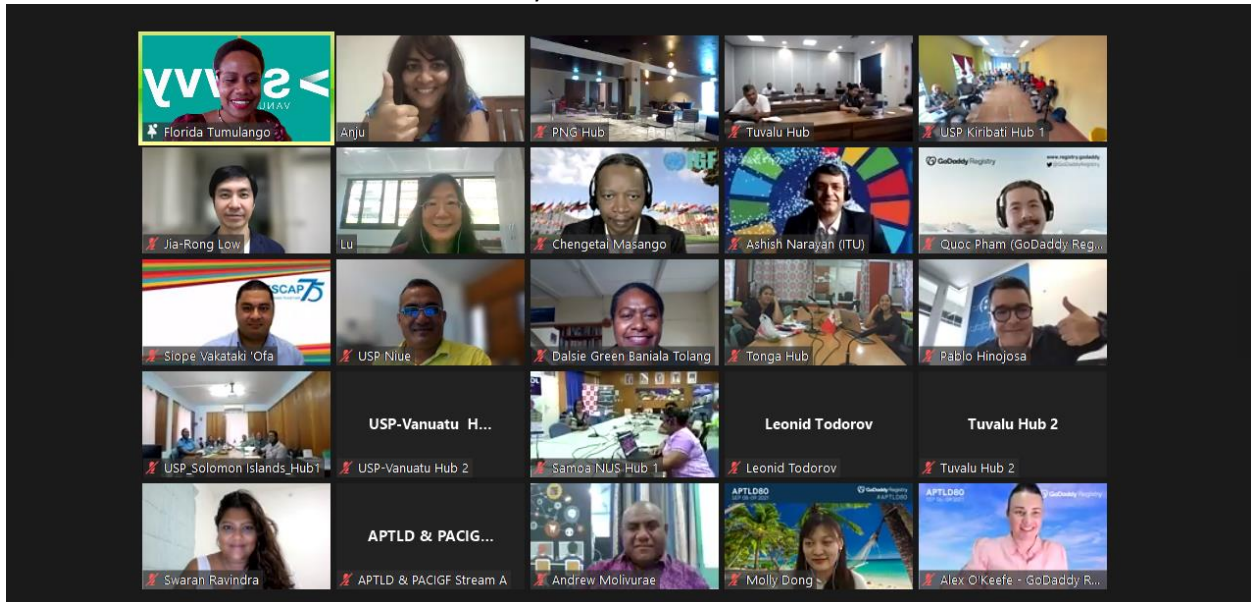
Speakers, moderators, and attendees from Session 8 – Partner Organization's Updates.
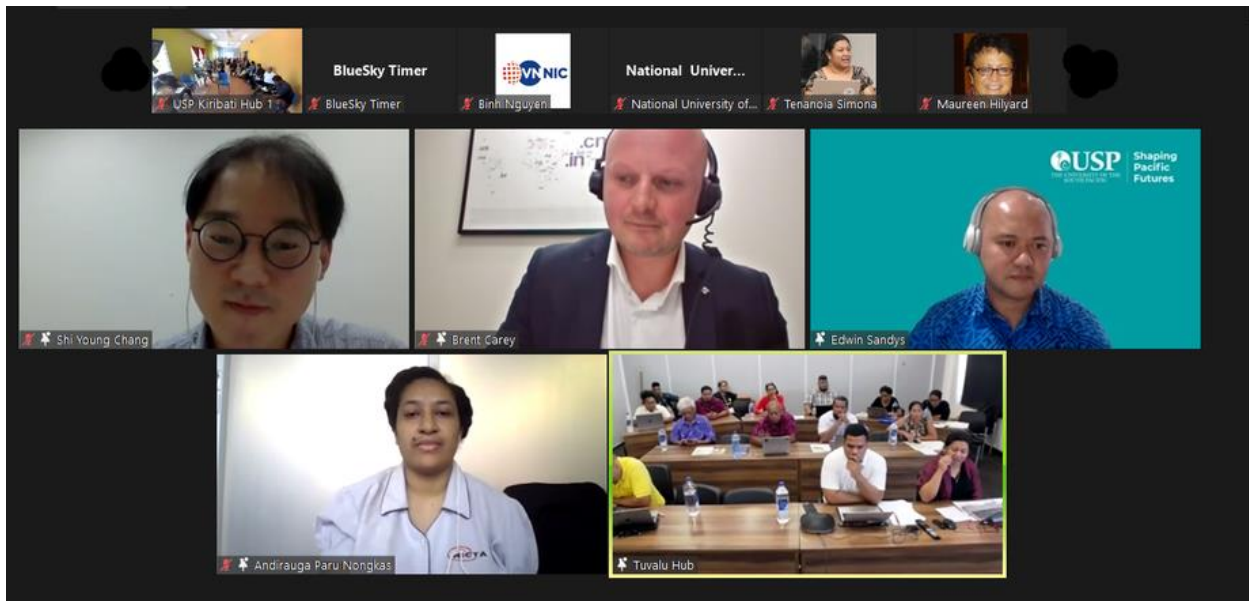
Speakers, moderators, and attendees from a joint APTLD and Pacific IGF session – Shared Resources: Win-Win Solutions for the Region.
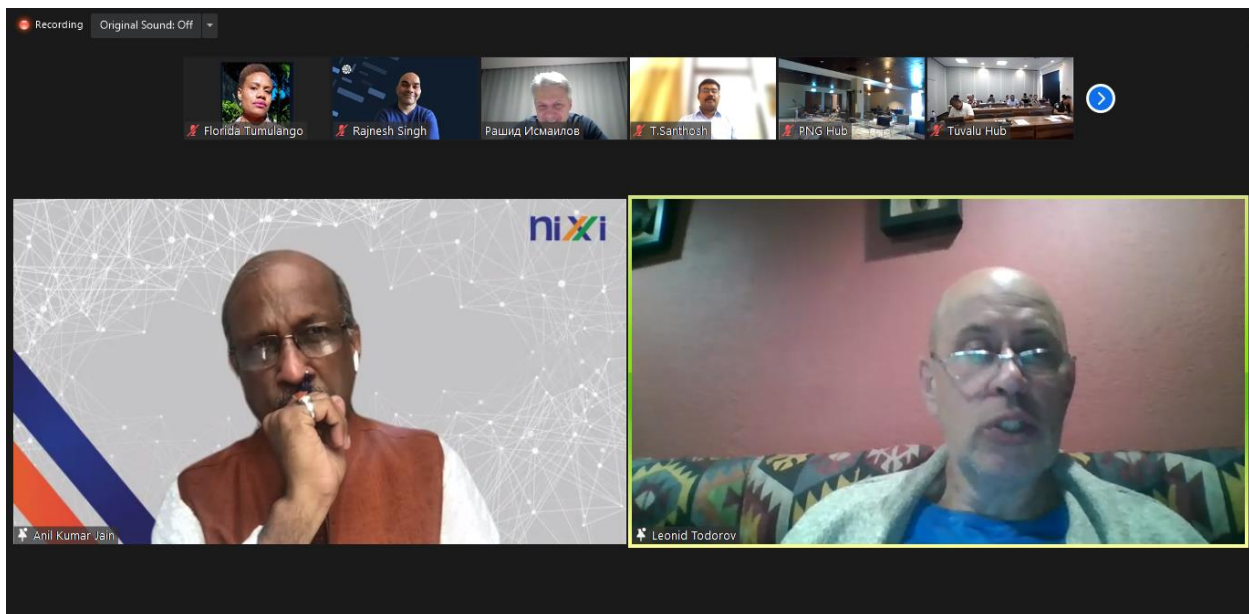
Anil Kumar Jain, NIXI and **Leonid Tedrov,** APTLD during the Internet Governance: Digital Sovereignty and ccTLDs session.

Molly Dong, APTLD at the APTLD closing session.

John Karr, Regional Director, Asia Foundation at the closing of the Pacific IGF.
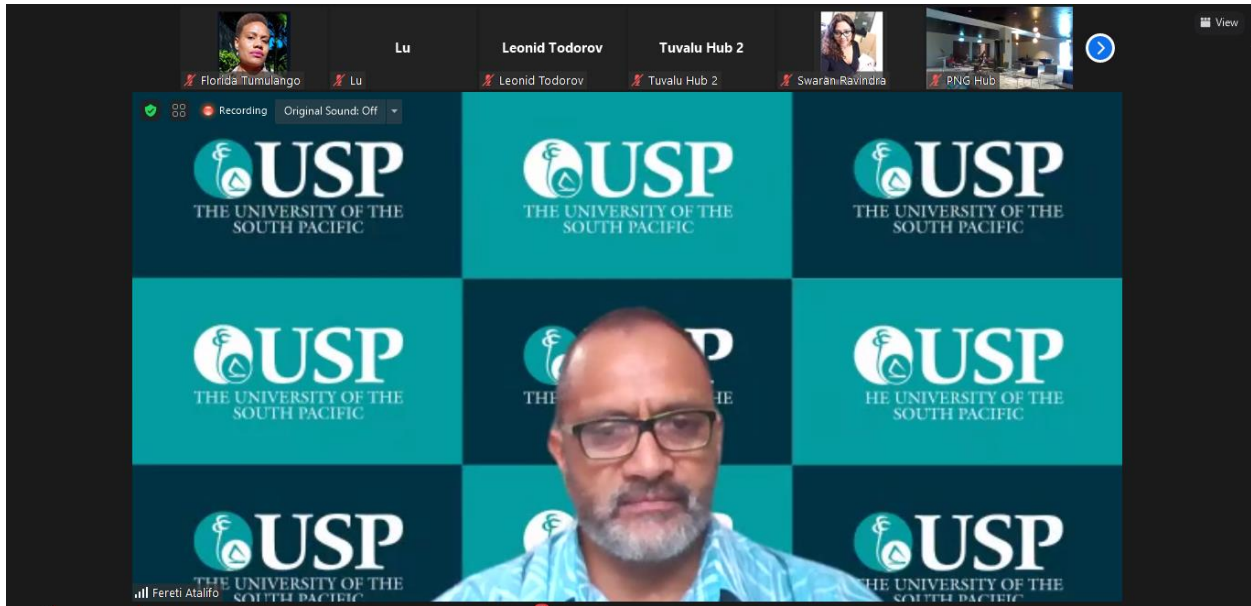
Fereti Atalifo, Deputy Director, IT Services, The University of the South Pacific at the Pacific IGF's closing session.
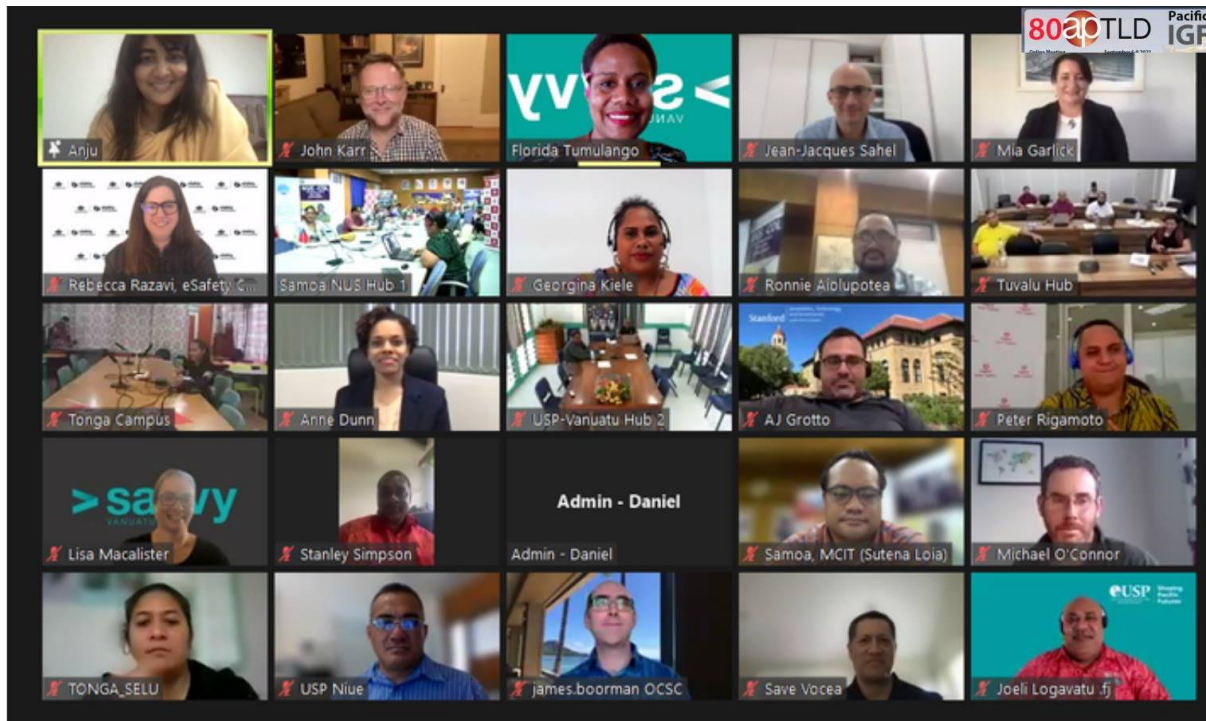
Participants at the Pacific IGF's closing session.
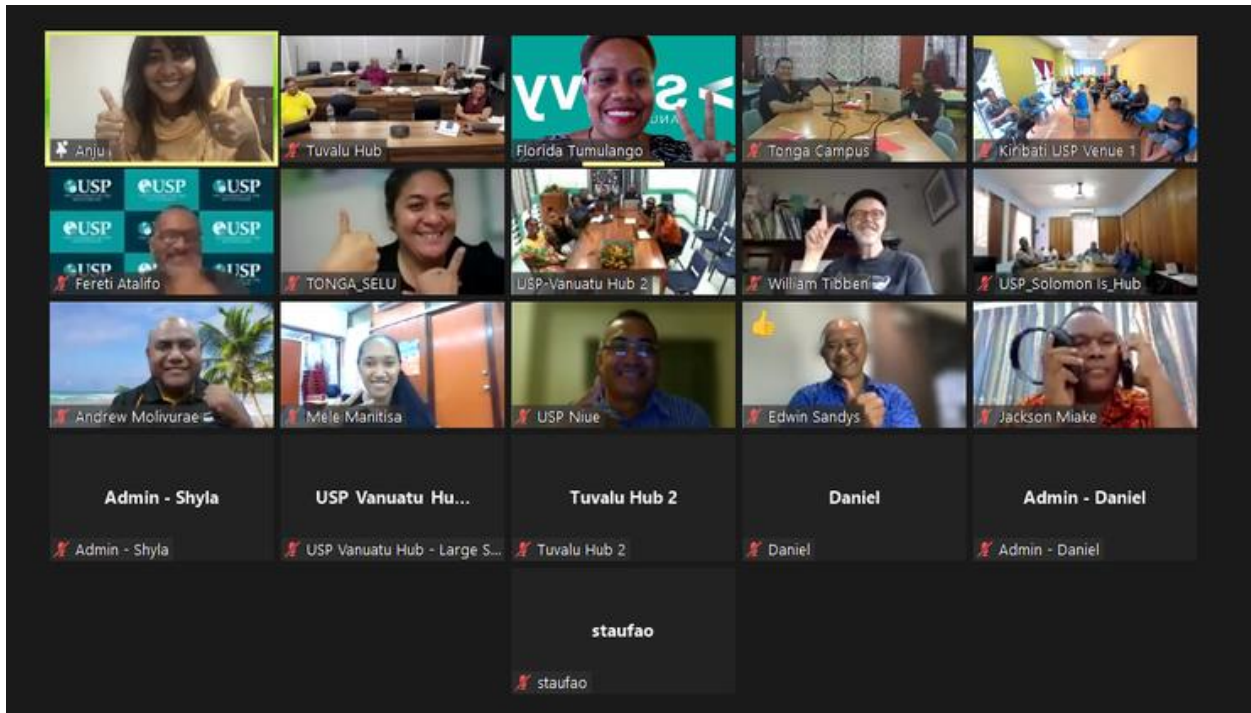
More participants from the Pacific IGF's closing session.
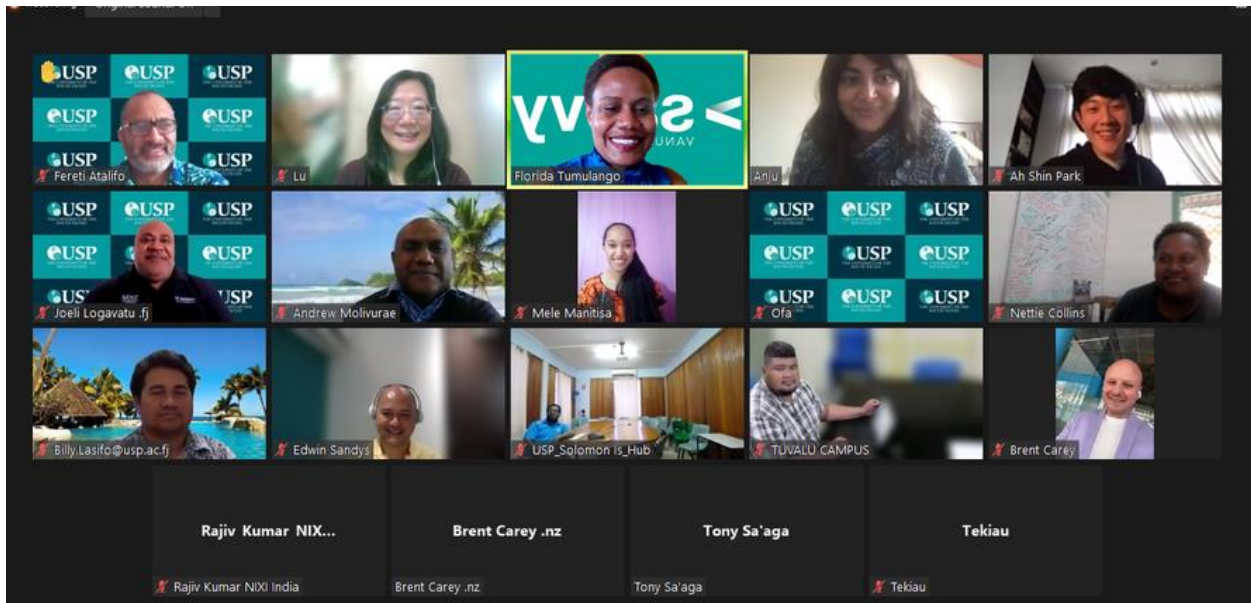
ccTLD handshake session.

Team and participants from Apia, Samoa.

National University of Samoa (NUS) Campus

NUS - Apia, Samoa

Attentive participants from Tarawa, Kiribati

Pictures from the local hubs during the tea breaks.

Tarawa, Kiribati

Honiara, Solomon Islands

Nuku'alofa, Tonga.

Apia, Samoa

Snapshots of social media posts

Pacific Internet Governance Forum 2021
August 20 · ⊙

"Internet helps me as a teacher to better educate my students. The e-learning experience is new but exciting, especially during covid-19 times." 😍 Join the Pacific community at the Pacific Internet Governance Forum 2021 & lets starts talking INTERNET governance , & how we can protect ourselves & at the same time benefit from using the internet. 👩 Register here https://aptld80.com.fj/reg/
#PacIGF2021 #internetgovernance #opportunities #safeuse #pacificvillage #registertoday… **See More**

👍❤️😮 517   24 Comments 10 Shares

Pacific Internet Governance Forum 2021
September 6 · ⊙

A great afternoon session discussing "Digital Transformation." 🤩 Thank you to all our speakers, moderator, participants & hubs streaming LIVE from around the Pacific. 👩 See you all tomorrow! 🌴
#PacIGF2021 #internetgovernance #opportunities #safeuse #pacificvillage #dayone #picisoc #aptld #internetgovernanceforum #usp #isoc #apnic #icann #internetnz

👍❤️😮 25   7 Shares

Pacific Internet Governance Forum 2021
September 8 · 🌐

Thank you to our Honorable Ministers & Speakers from this mornings session. 🤓 🙋

-Hon. Simon Kofe, Minister of Justice, Communications & Foreign Affairs, Government of Tuvalu
-Hon. Timothy Masiu, Minister of Communications & Information Technology, Government of Papua New Guinea
-Hon. Hu'akavameiliku, Minister of Education, Government of Tonga
-Hon. Toelupe Poumulinuku Onesemo, Minister of Information & Communications Technology, Ministry of ICT, Government of Samoa
-P... See more

👍❤️ 912   7 Comments 19 Shares

Pacific Internet Governance Forum 2021
September 27 · 🌐

Hosted for the first time virtually from 6 – 9 September 2021, the Pacific Internet Governance Forum 2021 (PacIGF) brought together stakeholders to discuss and debate policies based on the theme 'Working towards inclusive, safe and accessible services in the Pacific region.'

The event successfully ran across 10 Pacific countries, with six countries steaming live from the University of the South Pacific hubs: Kiribati, Nauru, Niue, Solomon Islands, Tonga, and Vanuatu. In Papu... See more

👍❤️ 1.2K   2 Comments 3 Shares

Annex C: Registered Participants List

LAST NAME	FIRST NAME	COMPANY	ECONOMY
Abdul Rahim	Rinalia	Internet Society	Malaysia
Abraham	Alex	Zyberwise Ltd	Samoa
Abu-Jadallah	Ahlam	MoDEE	Jordan
Agaiava	Sovala	MPMC	Samoa
AGNIHOTRI	ANURAG	NATIONAL INTERNET EXCHANGE OF INDIA	India
Aiken	Klée	CERT NZ	New Zealand
Aimapa	Patricia	Afore Computer Training Institute	Papua New Guinea
Aiolupotea	Ronnie	Consultant	Samoa
Air	David	TIC Timor	Timor Leste
Airi	Picky	Divine Word University	Papua New Guinea
AITOREA	ANNA	SINPF	SOLOMON ISLANDS
Aitorea	Ishmael	University of the South Pacific - Solomon Islands Branch	Solomon Island
Al-Hammad	Hesham	SaudiNIC - CITC	Saudi Arabia
Ali	Naqsheema	Fiji National University	Fiji
Alvarez	Eduardo	ICANN	United States
Amal	Andi Muhammad	Pengelola Nama Domain Internet Indonesia (PANDI)	Indonesia
Amansahatov	Batyr	Turkmendomain	Turkmenistan
Anau	Pulu	Afe.to ants	Tonga
Anise	Koroi	ITC Services	Fiji
Anisi	Julia	Solomon Islands Government ICT Services	Solomon Islands
Anisimov	Mikhail	ICANN	Russia
Apinelu	Aotoa	Trade Department	Tuvalu
ARAEA	BERNADETTE	TELIKOM PNG LTD	Papua New Guinea
Astbrink	Gunela	ISOC Accessibility SIG	
Atalifo	Fereti	University of the South Pacific	Fiji
Atiola	Paula	HMAF	Tonga
Babayev	Erkin	"Turkmendomain" ES	Turkmenistan
Badiei	Farzaneh	Digital Medusa	United States
Bai	Barnabas	Digicel	Papua New Guinea
Baker	Dave	.NZ	New Zealand
Baker	Manuel	Ministry of MEIDECC	Tonga
Baniala Tolang	Dalsie	Bureau Of Communications	Vanuatu
Barker	Nathan	Australian High Commission	PNG

Barrett	Thomas	EnCirca, Inc	US
Bedser	Jeffrey	iThreat	United States
Bendindang	Melody	APNIC	Australia
Benitera	Tabokai	Ministry of Employment & Human Resource	Kiribati
Bernal Aparicio	Cristina	ESCAP	
Berrell	Jacqui	Pacific Women	Fiji
BETHAM	MARCUS	SELF	SAMOA
Bhandhana	Shivika	Higher Education Commission	Fiji
Biasiny-Tule	Potaua	Digital Basecamp	New Zealand
Boas	Jean Luke	Telecommunications Radiocommunications and Broadcasting Regulator	Vanuatu
Boia	Eda	UPNG-Mathematic Statistics and Computer Science	Papua New Guinea
Bonraawa	Uere	Ministry of Justice	Kiribati
Boorman	James	OCSC	Australia
Boraia	Bineta	Kiribati	Kiribati
Brown	Gavin	CentralNic	United Kingdom
Brown	James	GoDaddy Registry	Australia
Brown	Chris	Applied Technology Solutions, LLC	American Samoa
Budimansyah	Andi	PANDI.ID	Indonesia
Bun	Phoumen	Telecommunication Regulator of Cambodia	Cambodia
Bunton	Graeme	DNS Abuse Institute	Canada
Bureteiti	Teakin	Kiribati Institute of Technology	Kiribati
Busai	Samson	Care International	Vanuatu
Cadena	Sylvia	APNIC Foundation	Australia
Carey	Brent	.nz	New Zealand
Carter	Jordan	.nz	New Zealand
Catayoc	Fergielyn	Domain Name Commission	New Zealand
chai	danny	Hong Kong Internet Registration Corporation Limited	hong kong
Chan Mow	Ioana	National University of Samoa	Samoa
Chan Mow	Angelo Rodrigo	Samoa Police Service	Samoa
Chand	Swastika	IPPF	Fiji
Chandra	Pritesh	Hideaway Holidays	Australia
CHANG	SHI YOUNG	Korea Internet & Security Agency	Republic of Korea
Chang	Lennon	Monash University	
CHAWLA	DISHANT	NATIONAL INTERNET EXCHANGE OF INDIA	INDIA
Chen	Joyce	APNIC	Singapore

Chen	YingChu	Taiwan Network Information Center	Taiwan
Cheung	Ricky	Hong Kong Internet Registration Corporation Ltd.	Hong Kong
Cheung	Frankie	Hong Kong Internet Registration Corporation Limited	Hong kong
Chiang	Ian	TWNIC	Taiwan
Cholai	Carole	PNG ICTMeri	Papua New Guinea
Choudhury	Amrita	CCAOI	India
Chow	Marvin	HKIRC	Hong Kong
Chow	Yiing Yng	MYNIC Berhad	Malaysia
Chowdhury	Sumanta	Digicel Pacific	Papua New Guinea
Chui	David	MYNIC Berhad	Malaysia
Chung	Kenneth	Hong Kong Internet Registration Corporation Limited	Hong Kong
Cocker	Etuate	Exclusive Networks	New Zealand
Collins	Nettie	USP	Vanuatu
Copeland	Frederick	Kiribati Institute of Technology	Kiribati
Dahanayake	Nadeeka	LK Domain Registry	Sri Lanka
Dando	Mark	RAL	Australia
Danelia	Irina	Coordination Center for TLD .RU/.РФ	Russia
Dao	Henry	Technical Institute of Malaita	Solomon Islands
Darnell	Per	The IUSN Foundation	Sweden
David	Decka	PNG University of Technology	Papua New Guinea
Daya	Chris	Independent	New Zealand
de Jesus	Robert	APCICT/ESCAP	
Deasi	Cornelius	Starwest	Papua New Guinea
Deerhake	Stephen	AS Domain Registry (GDNS, LLC)	American Samoa
Deo	Shaneel	Fiji National University	Fiji
Deo	Shaneel	Fiji National University	Fiji
Devi	Artila	Catalpa International	Fiji
Devi	Tajeshwari	Online Safety Commission	Fiji
Dhaniya	Rishab	National Internet Exchange of India	INDIA
Dias	Gihan	APTLD / LK Domain Registry	Sri Lanka
Disini	Jose Emmanuel	dotPH	Philippines
Disini	Gloria Ines Socorro	dotPH	Philippines
Djukic	Dejan	RNIDS	Serbia
Donaldson	Patrick	Afilias Australia	Australia
Dong	Molly	APTLD	China
Doro	Thomas	Forestry Departement	Vanauatu

Dunn-Baleilevuka	Anne	Online Safety Commission	Fiji
Durrant	Rohan	GoDaddy Registry	Australia
Egerton	Isobel	Domain Name Commission NZ	New Zealand
Enosa	Tealofi	Teletok	Tokelau
Enota	Auatabu	Kiribati Housing Corporation	Kiribati
Esterhuysen	Anriette	IGF MAG	South Africa
Fachys	Merza	Pengelola Nama Domain Internet Indonesia (PANDI)	Indonesia
Fakarii	Don	Solomon Islands National Provident Fund	Solomon Islands
Fakava	Lisa	Tonga Airports Limited	Tonga
Faleupolu Tevita	Sarai	National University of Samoa	Samoa
Falevaai	Moira	National University of Samoa	Samoa
Finau	Viliami	NRBT	Tonga
Forsyuk	Tanya	Hostmaster LLC	Ukraine
FOY	DEAN	THE UNIVERSITY OF THE SOUTH PACIFIC	Solomon Islands
Fraser	Belinda	Freelance	Fiji
Fusimalohi	Viliami	Ministry of Internal Affiars	Tonga
Galstyan	Lianna	ISOC Armenia (.am/.հայ Registry)	Armenia
Garae	Susan	Vanuatu IGF	Vanuatu
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Yao	Jiankang	CNNIC	China
Yapir	Samuel	BSP Financial Group Ltd	Papua New Guinea
Yeeting	Buraieta	Ministry of Foreign Affairs & Immigration	Kiribati
Zhang	Jian-Chuan	ICANN	China
Zylstra	Raymond	GoDaddy Registry	Australia

Annex D: Agenda

Fiji Time	Singapore Time	Day 0. Monday 6 September
09:00 - 09:10 AM	05:00-05:10 AM	**An overview of the Pacific IGF and APTLD Event - What to Expect from 6 - 9 September** **Anju Mangal** (Alliance for Affordable Internet-World Wide Web Foundation), **Andrew Molivurae**(PICISOC Board Member) and **Leonid Todorov** (General Manager, APTLD)
09:15-10:30	05:15-06:30	**Session 0 - A Journey down the Memory Lane** *Pacific IGF session for newcomers and Q&A from the audience.* *What is Internet Governance and Why does it matter to the Pacific?* **Moderator: Rajnesh Singh**, Regional Vice President for the Asia-Pacific, Internet Society ● **Tenanoia Simona**, ICT Programme Manager, Government of Tuvalu ● **Jackson Miake**, Director, Vanuatu Internet Governance, Vanuatu ● **Franck Martin**, Senior Staff Systems Engineer, LinkedIn, U.S.A ● **Dr. Will Tibben**, Lecturer- Computing and Information Technology, University of Wollongong, Australia
10:30-11:00	06:30-07:00	**Tea Break - in-country hub facilitators to organise tea**
11:00-12:30	07:00-08:30	**Session 1: Enhancing Security in the Pacific** *As more and more people, applications and systems go online, Cybersecurity is becoming important for the Pacific. This round table discussion brings together experts to discuss cybersecurity issues affecting the region. There will be 10 minute interventions per speaker followed by 40minutes of open floor discussion. Round table discussion on cybersecurity issues affecting the region.* **Moderators/Facilitators: Cherie Lagakali**, PICISOC Chair and GCFE Board Member, **Klee Aiken**, Principal Pacific Partnership Advisor, CERT NZ ● **Seluvaia Kauvaka**, Tonga Women in ICT (TWICT) - Awareness Raising and what is being done and how to get everyone involved in educating communities on how to stay safe online ● **Savenaca Siwatibau**, Digital Forensics and Investigations, Fiji Police Force - Ransomware as an example of recent threats ● **Peni Koroiadi**, Manager Infrastructure, Fiji National Provident Fund - SME security, its importance, why and what businesses and individuals need to remember to ensure security online ● **Adli Wahid**, Senior Internet Security Specialist, APNIC - Fraud & Social Engineering, as an example of issues faced by individuals
12:30-13:30	09:30-10:00	

		APTLD Trainees Welcome	**PAC IGF Lunch Break - in-country hub facilitators to facilitate** in-country hub facilitators to organise light refreshments
14:00-15:30	10:00-11:30	**Session 2** **Digital Transformation and e-Government services - Are they People- Centric?** *Digital Government promotes the use of Information and Communication Technology (ICT) to improve the governance of government operations, transparency, efficiency and policymaking and public service delivery. How are the governments in the Pacific working towards a more cohesive approach to ensure that e-services are available to citizens and they are able to access the services. And what would be the cross-sectoral approach in ensuring that all government services and departments/ministries are connected and working together?* **Moderator: Artila Devi**, Education and Partnerships Manager, Catalpa International, Fiji ● **Renga Teannaki**, Senior ICT Policy Analyst, Government of Kiribati ● **Ronnie Aiolupotea**, ICT e-government expert and Consultant (user perspective) ● **Alapati Taupo**, Senior Education Officer, Government of Tuvalu	**Session 3** **Training/Tutorial: Governance of the Internet** *This session will run like a tutorial / capacity development type discussion to share some best practices around Domain Name Systems (DNS), IP Address management and security. Get updated on key topics under discussion to expand the names and number landscape, initiatives and participation opportunities.* **Moderator: Savenaca Vocea**, Vice President of Stakeholder Engagement for Oceania, ICANN ● **Joyce Chen**, Senior Advisor - Strategic Engagement, APNIC ● **Champika Wijayatunga**, Regional Technical Engagement Manager, APAC- ICANN ● **Aftab Siddiqui**, Project Lead- MANRS, Senior Manager Internet Technology, Internet Society

		● **Gabriela Leite-Soares**, Head of Health, Catalpa International ● **Sam Taufao**, ICT Adviser to the Prime Minister, Government of Solomon Islands
14:00 - 17:00 (concurrently with Session 2 & 3)	10:00-13:00 (concurrently with Session 2 & 3)	**APTLD Training Session Day 1** **Cybersecurity: Concepts and Misconceptions** *Delivered by Prof. Pablo Molina, a renowned expert in the subject matter, the class focuses on such key aspects as concepts and definitions; cybersecurity frameworks, including ISO 27001;cybercrime conventions, treaties, and policies, including domain name administrators' data protection and the European Union GDPR; misconceptions, and current and emerging issues; among others, and also includes interactive simulation exercises.* *The class is also envisioned to serve as an groundbreaking webinar under a new exclusive program on cybersecurity APTLD will be running for the Membership in cooperation with the Drexel University, ranked among top 100 best-value schools and most innovative schools in the USA.* *At the closure of the class Prof. Molina will walk the audience through the future program and terms and conditions of participation in it, and academic awards upon its completion.* *The webinar will be open to all participants in APTLD80-Pacific IGF; pre registration will be required.* *For more information please contact sec@aptld.org.*
Fiji Time	Singapore Time	Day 0. Tuesday 7 September
09:00-10:30	05:00-06:30	**Session 4: Digital Connectivity in the Pacific** *Digital connectivity could be thought of as access to the required infrastructure, such as electricity, mobile networks, internet services and devices. In addition, meaningful digital connectivity may require digital skill acquisition and competence. It may also involve the production of easily accessible, relevant and useful content and digital services.* *In the present pandemic, and in light of increasingly frequent cyclones and other severe weather events, digital connectivity could be thought of as essential in the Pacific region and elsewhere.* *This session will focus on digital connectivity in the Pacific. A panel will discuss the following key questions. What are the challenges? What has been done and who are the key players? How can we accelerate digital connectivity initiatives in the Pacific?*

		Moderator: Dr. Amanda H A Watson, Research fellow, Department of Pacific Affairs, Australian National University ● **Lematua Gisa Fuatai Purcell**, CEO and Regulator, Office of the Regulator, Samoa ● **Emani Lui**, CEO, Makanet and Kaniu, Internet Service Provider, Niue-NZ ● **Shivnesh Prasad**, Digital Development Specialist, World Bank, Pacific ● **Pedro Tavares**, Digital and ICT development leader, Government Digital Transformation, Solomon Islands ● **Brian Winji**, Regulator, Telecommunications, Radiocommunications and Broadcasting Regulatory of Vanuatu
10:30-11:00	06:30-07:00	**Tea Break - in-country hub facilitators to organise tea**
11:00-12:00	07:00-08:00	**Session 5: Emerging Technologies** *This session focuses on the new technologies or digital frontiers that are fast evolving. Is the Pacific ready for new tech such as 5G, Artificial Intelligence, big data, blockchain and cryptocurrencies? This session is going to focus on the key factors in the current emerging tech landscape - risks and opportunities.* **Moderator: Priscilla Kevin**, Vice-President International and Co-Founder Digital ICT Cluster, Papua New Guinea ● **Kenneth Katafono**, Director, Traseable Solutions, Pacific ● **Sarai Tevita**, ICT Director, University of Samoa ● **Crystal Kewe**, CEO Crysan - Software Engineer, Business Entrepreneur, Papua New Guinea ● **Maleulu Jobenz Manoa**, Principal ICT Officer, Government of Samoa
12:00-13:00	08:00-09:00	**Group photo - PAC IGF Lunch Break - in-country hub facilitators to facilitate**

Fiji Time	Singapore Time	
13:00-15:00	09:00-11:00	**APTLD Training Session Day 2** **Marketing: Learning Market Research: Tools for knowing your customers** *We think we know a lot about our customers, but it is important to verify and update our knowledge. This is where market research techniques such as surveys, focus groups and analysis of social media data come in handy. Yet which technique to use and how to best design the best research instrument require certain skills, which this training will provide. It will have two parts, first focusing on research design (which method to choose based on what one wants to understand about one's customer) and the second - focusing on designing research instruments.* *The Training is a part of the APTLD unique tailored curriculum developed in collaboration with the University of Illinois and industry practitioners.*	**Session 6: A Lightning Talk on Digit Inclusion** **Is Digital Trade Inclusive or Exclusive?** *The Lightning Talk will share the recent Paci experience in coordinating efforts to achie digital equity. Chapterthon Project brin together 10 vulnerable Micro Small Mediu Enterprises (MSMEs) across the Pacific Sm Island States that will utilize the Intern Impact Assessment toolkit as a guide to he them build their own online stores and c design a Pacific Marketspace.* **Moderator: Cherie Lagakali**, PICISOC Boa Chair • **Georgina Naguilevu**, Senior Manager Applications, HFC and PICISOC Board Vice-Chair • **Aisyah Shakirah Suhaidi**, Regional Community Engagement Manager, Asia Pacific - Internet Society • **Pritika Reddy**, Computer Science and Information Systems Lecturer, Fiji National University
Fiji Time	Singapore Time	Day 1. Wednesday 8 September
10:00-12:00	06:00-08:00	**Pacific IGF Opening Plenary** **What are the Challenges and Opportunities of ICT and Telecommunication during a Pandemic or Crisis** *The ICT and Telecommunication sector is rapidly growing and contributing to national GDP and economic growth. The Internet has become a lifeline and internet access is a human right. With digital connectivity, infrastructure, emerging technology and innovation, it's impacting on every aspect of life, education, health care and other key sectors. Examining the pandemic using a cross-sectoral lens and approach is key and mitigating the disruption is fundamental to ensure that the economy continues to survive. The power of ICT*	

		and telecommunication and digital infrastructure has been critical during the pandemic especially when schools closed down and students were encouraged to access online resources from home, parents were working from home and accessing zoom to have meetings and people were asked to download the COVID-19 tracing app. Despite ongoing efforts to ensure no one is left behind, there's still a lot to be done to close the digital gap in the Pacific. There are many barriers to internet access particularly for people who don't own an affordable device, have poor network coverage, have low digital literacy and skills and don't have a fast connection or cheap data plan. This session discusses the challenges and opportunities of the ICT and Telecommunication sector during a pandemic or a natural disaster. **Moderator: Anju Gill Mangal**, Head of Asia and Pacific, A4AI-World Wide Web Foundation ● **Hon. Timothy Masiu**, Minister for Communications and Information Technology, Government of Papua New Guinea ● **Hon. Hu'akavameiliku**, Minister for Education, Government of Tonga ● **Hon. Simon Kofe**, Minister for Justice, Communication and Foreign Affairs, Government of Tuvalu ● **Hon. Toelupe Poumulinuku Onesemo**, Minister for information and Communications Technology, Ministry of ICT, Government of Samoa ● **Professor Jito Vanualailai**, Deputy Vice Chancellor - Learning & Teaching, University of the South Pacific
12:00-13:15	08:00-09:15	**Group photo - PAC IGF Lunch Break - in-country hub facilitators to facilitate**
13:30	09:30	**APTLD80 Welcome / Networking Activity**
14:00-14:20	10:00-10:20	**APTLD80 Opening Session** *This short session is intended to set the tone for the Meeting. Needless to say, some congratulatory words are most welcome, too.* **Moderator: Leonid Todorov**, GM, APTLD ● **Welcome Remarks: Ai-chin Lu**, APTLD Board Chair ● **Keynote Address: Fereti Atalifo**, Deputy Director, Information Technology Services, University of the South Pacific and the host of .fj domain.
14:20-15:20	10:20-11:20	**Session 7 (Joint APTLD & PAC IGF)** **Panel discussion - Internet Governance: Digital Sovereignty and ccTLDs: Is there Life after Life?** *As an acclaimed researcher puts it, We can either have sovereignty or harmony, not both - we can either have sovereignty or universal acceptance, not both - we can either have sovereignty or humanity, not both. So, the panel is expected to render its judgment on today's most challenging IG issue as seen by ccTLD - in the search of harmony, humanity, and universal acceptance, as we understand it :), of course.*

		Moderator: Anil Kumar Jain, NIXI ● **Rashid Ismailov**, Russia's Nominee for SG ITU ● **Anriette Esterhuysen**, Chair, United Nations IGF Multistakeholder Advisory Group ● **Rajnesh Singh**, Vice President for Asia and Pacific, ISOC ● **Dalsie Baniala**, Telecommunications Regulatory Advisor, Palau Government
15:20-15:45	11:20-11:45	**Group photo and Tea Break - PAC IGF -country hub facilitators to facilitate on the spot**
15:45-16:45	11:45-12:45	**Session 8 (Joint APTLD & PAC IGF)** **Partner Organizations' Updates** *A part of a vibrant regional ecosystem, APTLD and PICISOC have consistently developed working relations with numerous peers, and we expect them to share their major developments and plans.* **Moderator: Ai-chin Lu**, APTLD Board Chair ● **Siope Vakataki Ofa**, Economics Affairs Officer, UNESCAP ● **Pablo Hinojosa**, Strategic Engagement Director, APNIC ● **Chengetai Masango**, Executive Director, UN-Internet Governance Forum Secretariat ● **Ashish Narayan**, ITU ● **Jia-Rong Low**, ICANN VP, Stakeholder Engagement and Managing Director - Asia Pacific
16:45-17:45	12:45-13:45	**APTLD Lunch break**
17:45-18:45	13:45-14:45	**Session 9A (Joint APTLD & PAC IGF)** **Registration Data Access Protocol (RDAP)** *While a search returns a number of bizarre definitions for RDAP, Members are getting used to the new protocol – only there is always a room for improvement and best practice sharing.* **Moderator: Yudho Giri Sucahyo**, PANDI ● **M.Shidiq Purnama**, PANDI ● **Gavin Brown**, CentralNic ● **Daicos Jeremiah**, Government of Nauru	**Session 9B (Joint APTLD & PAC IGF)** **Technical/Security: Thinking Big: Big Data to Mitigate DNS Abuse** *The temptation to form premature theories upon insufficient data is the bane of our profession, Sherlock Holme[s] would say, and hey, lets' not be slave t[o] such a temptation! Check out what pro[…] have in stock for you!* **Moderator: Jeff Bedser**, IThreat ● **Ann Ibrahim**, Domain Name Commission Ltd, NZ ● **Nguyen Van Tri** (Mr.), VNNIC ● **Ed Lewis**, ICANN

		Eduardo Alvarez, ICANN **Rick Wilhelm**, Verisign • **Graeme Button**, the DNS Abuse Institute
18:45-19:00	14:45-15:00	**Technical Break**
19:00-20:15	15:00-16:15	**Session 10** **Members' Updates** *In the session, we traditionally have Members and APTLD Fellows' updates on recent developments in their organizations.* **Moderator: Boyoung Kim**, KISA **Bruce Tonkin**, auDA **Alexsandr Samoylenko**, Asiainfo (.KG Registry) **Santanu Acharya**, NIXI **Erkin Babaev**, Turkmendomain (non-Member) **Tenanoia Simona**, .TV **Nguyen Van Binh** (Mr.), VNNIC
20:15-20:25	16:15-16:25	**Wrap-up of the day and housekeeping notices**
Fiji Time	Singapore Time	Day 2. Thursday 9 September
10:00-12:00	06:00-08:00	**Session 11: PAC IGF Session** **The Importance of Effective International and Regional Partnerships to Support Pacific Regionalism and the 2050 Strategy for the Blue Pacific Continent** **Moderator: Maureen Hilyard**, Dynamic Coalition for Small Island Developing States (IGF), PICISOC, Cook Islands **Zarak Khan**, Director Programmes and Initiatives, Pacific Islands Forum Secretariat (PIFS) **Ms. Anriette Esterhuysen**, Multistakeholder Advisory Group, UN Global Internet Governance Forum

		● **Ms. Rinalia Abdul Rahim**, Senior Vice President, Strategy, Communications and Engagement, Internet Society ● **Goran Marby**, President and CEO, the Internet Corporation for Assigned Names and Numbers ● **Ms. Atsuko Okuda**, ITU-APACInternational Telecommunications Union (ITU), Asia Pacific
12:00-13:00	08:00-09:00	**PACIGF Lunch & Local Hubs Discussion**
13:00 -14:00	09:00-10:00	**Session 12 (Joint APTLD & PAC IGF)** **Administrative/Technical: Shared Resources and Infrastructures: Win- Win Solutions for the Region** *Do you know that, "The more you share, the more you receive to share?". At least, this is what a famous NGO activist reckons, and her words seem to hold true, so let's discuss, together with the local community of Oceania, what we can do for a better, safer and more robust Internet for Asia Pacific and its subregions.* **Moderator: Shi Young Chang**, KISA ● **Edwin Sandy**, Manager Infrastructure, University of the South Pacific ● **Sakaio Manoa**, ICT Director, Forum Fisheries Agency, Solomon Islands ● **John Jack**, Chief Information Office, Government of Vanuatu ● **Andirauga Nongkas**, Principal Consumer Affairs, NICTA, Papua New Guinea ● **Brent Carey**, Domain Name Commissioner, New Zealand

14:00-15:00	10:00-11:00	**Session 13A** **Marketing: How to Improve Domain New Registration and Renewal Rate** *Good marketing makes the company look smart, they say. Great marketing makes the customer feel smart, they also say. Our job is to play smart and find out answers to the biggest How, right here and right now.* **Moderator: Farzaneh Badiei,** Founder, Digital Medusa • **Shubham Saran**, NIXI • **Mai Thu Thuy** (Ms.), VNNIC • **James Brown**, Godaddy Registry • **Anand Vora**, Public Interest Registry	**Session 13B (Joint APTLD & PAC IGF)** **Administrative: Capacity Building Initiativ Who, Where, How** *APTLD has been involved in quite a numbe of capacity building projects for its Membe and, at times, even a broader community. the session, we are happy to join PAC IGF t share and discuss our findings and takeaways to better serve the regional community.* **Moderator: Andrew Molivurae,** Intern Governance Adviser, Telecommunicat Radiocommunications Broadcast Regulator/.VU • **Boyoung Kim** (Ms.), KISA • **Nguyen Van Binh** (Mr.), VNNIC • **Steph Viljoen**, auDA • **Ankhzaya Tseden** (Mr.), Datacom (.MN) • **Phan Thi Nhung**, SWITCH SEA, APNIC Foundation
15:00-15:30	11:00-11:30	**APTLD coffee break**	**Session 15: Pacific IGF Closing Panel** (details below)
15:30-16:30	11:30-12:30	**Session 14A** **Marketing: Registrants, Domainers, Cybersquatters. Building a Civilized Secondary Market for Domains in Asia Pacific** *We believe marketing is too important to be left to the marketing department, isn't it? And so much for civilized marketing. The expert panel will enlighten the community on the matter, in detail and in a very civilized manner, of course.* **Moderator: Erhan Karabardak**, .PG	**Session 14B** **Technical: My DNS, My Rules: Local Solutions for the Global Vehicle** *DNS is kinda the hamster under the hood that drives the Internet, but behind every great hamster is a yet greater human putting things togetl and making them work, so here is a unique chance to have a first-hand account from our best industry practitioners.* **Moderator: Rajiv Kumar**, NIXI

		Anil Kumar Jain, NIXI **Nguyen Thi Thuy Duong** (Ms.), VNNIC **Enota Ingintau**, CEO, Communications Commission of Kiribati **Irina Danelia**, .RU/РФ **Kelly Hardy**, CentralNic **Rohan Durrant**, GoDaddy Registry **Jonathan Brewer**, Telco2 **Amrita Chowdhury**, Vice-Chair, APRALO & Vice-Chair, APrIGF **Nai-Wen HSU**, TWNIC **Gihan Dias**, LK Domain Registry
15:00-16:30 (concurrently with Session 14A & 14B)	11:00-12:30 (concurrently with Session 14A & 14B)	**Session 15: Pacific IGF Closing Panel** **Online Misinformation and Information Disorder in the Pacific - how to tackle it as a community** Moderator: John Karr, Regional Director, Asia Foundation **Anne Baleilevuka Dunn**, OSC Commissioner, Government of Fiji **Georgina Kiele**, Executive Manager, Cybersecurity and Digital Government, Papua New Guinea **Andrew Grotto**, Director, Program on Geopolitics, Technology, and Governance, Stanford University **Stanley Simpson**, Journalist and Communications Specialist, Business Media **Jean-Jacques Sahel**, Asia-Pacific Information Policy Lead, Google and Board Director (IIC) **Moderator: Anju Mangal**, Head of Asia and Pacific, A4AI-World Wide Web Foundation **Special Remarks on eSafety in the Pacific: Rebecca Razavi**, Chief Operating Officer, eSafety, Australia **Special Remarks: Mia Garlick**, Director of Public Policy, Australia, New Zealand & Pacific Islands, Facebook
16:30-16:40	12:30-13:15	**APTLD80 Lunch break** **PAC IGF Vote of Thanks /Closing Ceremony**

Fiji Time	Singapore Time	
17:15-18:15	13:15-14:15	**Session 16A (Joint APTLD & PAC IGF)** **Security: Before the Levee Breaks: Business Continuity, Privacy and Security Risk Management: Lessons from the Pandemic** *Yes, we know, it has been discussed at many fora but know what? It is a never-ending story worth retelling. You live in a grim universe, so security risk management is always there for you. Panelists will share their revelations that cannot be timelier.* **Moderator: Swaran Ravindra**, Senior Instructor/Industry Expert ● **Anlei Hu**, CNNIC ● **Sioeli Tonga**, Pacific Data Hub Manager, Pacific Community ● **Suetena Loia**, Assistant CEO, Ministry of ICT, Government of Samoa ● **Peter Rigamoto**, Head of Legal and Regulatory, Digicel Pacific hub	**Session 16B (Joint APTLD & PAC IGF)** **Technical: Blockchain in DNS** *The Internet is programmable information. The blockchain is programmable scarcity. If they are destined to meet somewhere, this the right place and time, seriously. We have got thinkers and doers to blend them for you in perfect proportions and discuss how to get done- enjoy it!* **Moderator: Alireza Saleh**, IRNIC ● **Ann Ibrahim**, Domain Nar Commission Ltd, NZ ● **Kurt Pritz**, .ART ● **Prof. Suzuki Shigeya**, Professor, Keio University ● **Edwin Liava'a**, Kacific International, Pacific
18:15-18:45	14:15-14:45	**APTLD80 Concluding Session** ● **Chair's Closing Remarks** ● **A Presentation by the APTLD81 Host** ● **Housekeeping Updates**	
	16:00-17:00	**APTLD Board Meeting (closed)**	
Fiji Time	Singapore Time	Friday 10 September	
12:00-13:00	08:00-09:00	**Handshake across the Pacific** **An open outreach session of APTLD Board with ccTLDs in the Pacific** **Moderators: Fereti Atalifo and Anju Mangal**	

Annex E: Organising committee and members

Names and Affiliations of members of the multistakeholder organising committee and the Pacific IGF Committee members

Title	First and Last Name	Organization	Professional Affiliation	Country
Mr	Andrew Molivurae (Co-Chair)	Telecommunications, Radiocommunications and Broadcasting Regulator (TRR)	Regulatory/telco	Vanuatu
Ms	Anju Mangal (Co-Chair)	Alliance for Affordable Internet, World Wide Web Foundation	Civil Society	Fiji
Ms	Fereti Atalifo	The University of the South Pacific and USP CROP ICT	Academic	Fiji
Ms	Swaran Ravindra	Project Management /ICT Business	Academia	Fiji
Ms	Mele Manitisa	Tonga Women in ICT and Pacific IGF	Civil Society	Tonga
Ms	Florida Tumulango	Savvy Vanuatu and Pacific IGF	Civil Society	Vanuatu
Mr	Leonid Todorov	Asia Pacific Top Level Domain (APTLD)	International	Russia
Ms	Georgina Naguilevu	PICISOC	Non-for-profit	Fiji
Mr	Keith Davidson	InternetNZ	Non-for-profit	New Zealand
Ms	Ellen Strickland	InternetNZ	Internet and Domain Name	New Zealand
Mr	Brent Carey	InternetNZ	Internet and Domain Name	New Zealand
Ms	Maureen Hilyard	ICANN ALAC Chair, Business entrepreneur	Internet Society	Cook Islands
Ms	Cherie Lagakali	GCFE and PICISOC	not-for-profit	Fiji
Mr	Pablo Hinojosa	APNIC	Domain name registry	Australia
Ms	Joyce Chen	APNIC	Domain name registry	Australia

Mr	Save Vocea	ICANN	Non-for-profit corporation	Australia
Ms	Letitia Masaea	FFA	PICISOC	Solomon Islands
Ms	Seluvaia Kauvaka	Tonga Women in ICT, Ministry of Education	PICISOC	Tonga
Mr	Joeli Logavatu	The University of the South Pacific	Academia	Fiji
Mr	Dean Foy	The University of the South Pacific	Academia	Solomon Islands
Mr	Ofa Lupeitu'u	The University of the South Pacific	Academia	Tonga
Mr	Tekiau Kamauti	The University of the South Pacific	Academia	Kiribati
Ms	Nettie Collins	The University of the South Pacific	Academia	Vanuatu
Mr	Seone Lolesio	University of the South Pacific	Academia	Niue
Mr	Billy Lasifo	University of the South Pacific	Academia	Nauru
Ms	Sia Matalavea	University of the South Pacific	Academia	Samoa
Mr	Elekana Manase	University of the South Pacific	Academia	Tuvalu
Ms	Sarai Tevita	National University of Samoa	Academia	Samoa
Ms	Tenanoia Simona	Department of Information, Communication and Technology	Government	Tuvalu
Ms	Priscilla Kevin	PNG ICT Cluster	Non-for-profit	Papua New Guinea
Mr	Jackson Miake	Vanuatu IGF	Non-for-profit	Vanuatu
Mr	Domingo Kabunare	Ministry of Information, Communication, Transport and Tourism Development	Government	Kiribati
Mr	Ah Shin	Conferenz	International	New Zealand
Ms	Molly Dong	APTLD	International	China

Mr	Ai-Chin Lu	TWINIC		International	Taiwan

The End