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## The pacific handover



APAN25 delegates: James Sankar, Director Applications and Services, AARNET, Hans Born, Team Leader, SWITCH, and Kevin Meynell, Project Development Officer, Terena Secretariat

### Members of the REANNZ Board and management team were in Hawai'i in January to ensure the smooth handover of the APAN baton to New Zealand.

In the first week in August this year, New Zealand is being honoured in hosting the 26th APAN (Asia Pacific Advanced Network) conference - the region's premiere gathering of the architects, operators and users of advanced networks. We have themed APAN26 "Sustainable Networking" and will be focusing on three elements of sustainability - environmental, regional and operational.

APAN26 will be a heady mix of visionary plenary sessions on the impact of IT on the world's carbon footprint and the challenge in networking remote communities, alongside in-depth workstreams on telemedicine, HDTV, eCulture, agriculture, IPv6, network security and more.

If you want to understand what KAREN means for you as a member today and what broadband will look like for everyone else in 5 years you cannot afford to miss it.

Register now at  
<http://www.karen.net.nz/apan26>



Shuji Shimizu, Chair of APAN Medical Working Group, Kyushu University Faculty of Medicine and Nimal Ratnayake, Co-Chair of SIP.H.323 Working Group, Senior Lecturer, Faculty of Engineering, University of Peradeniya, Sri Lanka at the APAN25 reception dinner

## Silver linings



Mike Culver, Evangelist for Amazon's Web Services

A visit by Mike Culver from Amazon Web Services in February may see these services available directly on KAREN.

In February, New Zealand was paid a visit by Mike Culver, Evangelist for

Amazon's Web Services. He spoke to many audiences the length of the country including a REANNZ group in Wellington. The strong interest in the R&E and commercial communities in 'cloud' or 'web-based' computing demonstrates a high level of innovative thinking by researchers and entrepreneurs in how to deliver new knowledge or bring new services to market without large spending on infrastructure.

One of the problems identified by nearly every group Mike spoke to was the cost of international bandwidth in getting from New Zealand to Amazon's US and EU-based servers. Fortunately for KAREN members, Amazon is now investigating connecting to the NREN peering fabric on the west coast of the US, meaning these services will be directly available on KAREN - we'll keep you updated.

Of course, our members can benefit from cloud computing already. The New Zealand Supercomputing Centre, run by Scott Houston of Intergrid, is a KAREN

partner, delivering processing on-demand for our community. NZSC has many years experience of supporting the research community and its presence on KAREN means even the largest data files can be transferred in seconds and results can be returned to researchers' desktops in a fraction of the time and cost it would take for an internal or traditional external computing service.

In the coming months expect to see more Service Partners joining KAREN to deliver cloud services: disaster recovery, remote application hosting, on-KAREN storage. All of these will make use of KAREN's national footprint to delivery equality of service the length of the country and valuable benefits to members.

You can read Mike's trip report at <http://aws.typepad.com/aws/2008/02/new-zealand-tri.html>

Donald Clark  
Chief Executive

## APAN26 student innovation competition opens

Enter the APAN26 KAREN Student Innovation Competition for your chance to get recognised for your work and network with key members of the advanced network community.

Students at New Zealand tertiary education institutions are invited to submit an e-poster on a project or activity that demonstrates innovative use of KAREN.

e-Posters need to reflect the theme of APAN26: environmental, regional and operational sustainability.

The top 10 e-posters will be displayed at the APAN26 conference in Queenstown, 4 - 8 August 2008.

Prizes up for grabs are:



- Cash prizes to the top 3 posters
- Free conference registration, travel and accommodation for the four finalists

This competition is sponsored by InternetNZ, with support from Endace.



For full details visit <http://www.karen.net.nz/apan26-innovation-comp/>

Contact Vicki Lindsay  
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## New group set to tackle access management

A cross agency group has been set up to establish a coordinated approach to work on identity and access management.

Collaboration means working together, sharing ideas, data, systems and infrastructure. To make collaboration effective, those involved need to feel confident that they can exchange ideas and information in a secure way between organisations. In New Zealand there is currently very little framework to support this.

Recognising the need for a common set of rules and policies to facilitate communication and collaboration between education and research institutes both here and overseas, Jenni Harrison, eResearch Policy Adviser at the Ministry of Research, Science and Technology, has established IMAGER (Identity and Access Management Action Group for Education and Research).

IMAGER is a cross agency group made up of representatives from the Ministry of Education, NZQA, TEC, CONZUL, NZVCC-SCIT, REANNZ, FRST and BeSTGRID as well as technical experts and those actively involved in research.



IMAGER will evaluate current knowledge about identity and access management use in both the research and education sectors, aiming to establish a coordinated approach. Its immediate task is to develop a priority list of obstacles and a work plan for the rest of the year.

Resources and other information can be found at <http://www.morst.govt.nz> or by contacting [eresearch@morst.govt.nz](mailto:eresearch@morst.govt.nz)


You can contribute to discussions and share information on identity and access management at <http://wiki.karen.net.nz/>

## Sign up to the KAREN news feed

Receive the latest news from the KAREN website straight to your inbox with our news feed.

The feed keeps you up to date with information on events, resources, funding, programme and policy announcements, and other cool stuff.

Signing up is easy - simply enter your details into the fields at the bottom left-hand corner of almost any page on our website to be added to the list.

 If you prefer, you can add KAREN news as a feed to your RSS reader. Just click on the RSS icon on our news page.

See <http://www.karen.net.nz/news/>

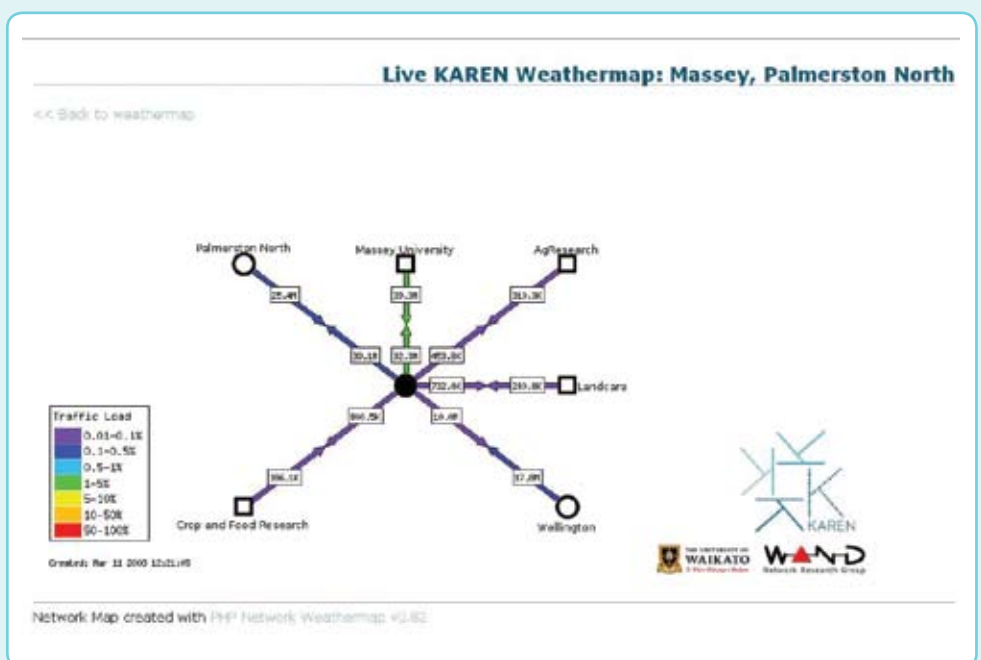
## Whose data flows are bigger?

Fancy seeing your own or other's traffic flows over KAREN? Now you can on the KAREN weathermap.

The weathermap has been updated to track and show the traffic at each KAREN member or partner site.

The weathermap is a live representation of traffic flows over KAREN, hosted by the WAND group at the University of Waikato.

See <http://www.karen.net.nz/weathermap/>





## August eResearch events to take NZ by storm

eResearch in New Zealand will receive a booster shot during 4-8 August with the APAN26 Sustainable Networking conference and High Performance Research Symposium.

APAN26 Sustainable Networking is New Zealand's premier digital event for 2008 - showcasing research and collaboration accelerated by ICT and advanced networks like KAREN.

Day one of this 5-day conference covers pure research in the areas of network technology, application technology and sustainable networking. Running alongside this is the University of Canterbury's High Performance Research Symposium.

### High Performance Research Symposium

This event will lead into APAN26 by showcasing best practice eResearch projects, demonstrations and tools.

Speakers include Professor Ian Foster (Director, Computation Institute, Argonne National Laboratory & University of Chicago), an expatriate New Zealander and University of Canterbury graduate, who pioneered the concept of grid computing and cyber-infrastructure.

For more information visit <http://www.bluefern.canterbury.ac.nz/hprs/>

The plenary sessions of APAN26 begin on day two with the sustainability themes - regional, environmental and operational - forming the basis of the keynotes. These themes cover cultural activities that add to the wealth of the region, tools and techniques that reduce carbon emissions and data networks and telecommunications that respond to the research and education sector.

The multi-streamed sessions cover demonstrations, applications and research tools across the APAN working

groups. Working groups in action at APAN26 include:

- Global collaboration
- eMedicine
- eScience
- eCulture
- HDTV
- IPv6
- Agriculture
- Middleware
- Network engineering

New collaborations between medical researchers from New Zealand and the Asia Pacific have already been made in preparation for the APAN Medical Working Group workshop. In the next few weeks we will be catalysing further collaborative relationships between researchers within the fields of Earth Monitoring, eScience and eCulture.

### Telehealth on the advance in NZ

The Australasian Telehealth Society (ATHS) is a brand new forum for information sharing, investigation and promotion of telehealth for the provision of healthcare over a distance in Australia and New Zealand. The ATHS brings together researchers, telehealth practitioners, clinicians and industry partners in a unique interdisciplinary grouping.

See <http://www.aths.org.au>

Calls for papers will be made over the coming weeks. In the meantime, get in touch with use if you want an introduction to a specific APAN working group to participate in the programme or to become involved in a research area.

Register now at <http://www.karen.net.nz/apan26>



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## Events 2008

### April

7 - 11 April  
International Symposium on Grid Computing, Taiwan

21 - 23 April  
Spring 2008 Internet2 member meeting, Virginia, USA

21 - 24 April  
International Association of Technological University Libraries Conference 2008, Auckland

29 - 30 April  
Managing Identity in New Zealand: User-Centric Identity in the 21st Century, Wellington

### May

12 - 16 May  
Open Source Grid and Cluster Conference 2008, Oakland, California

### June

11 - 13 June  
International Conference on Computer Mediated Social Networking, Dunedin

18 - 20 June  
4th International Conference on eSocial Science, Manchester, UK

### July

8 - 11 July  
QUESTnet 2008, Queensland, Australia

### August

4 August  
High Performance Research Symposium, Queenstown

4 - 8 August  
APAN 26 Sustainable Networking conference, Queenstown

24 - 30 August  
34th Very Large Data Bases conference, Auckland

### September

1- 4 September  
International Conference on Web Information Systems Engineering, Auckland

8 - 11 September  
UK e-Science All Hands Meeting 2008, Edinburgh, Scotland

29 September - 1 October  
eResearch Australasia 2008