

# KAREN...

## ... and you

KIWI ADVANCED RESEARCH AND EDUCATION NETWORK

### KAREN in a nutshell

The Kiwi Advanced Research and Education Network (KAREN) is your exclusive broadband network, linking education, research and innovation organisations in New Zealand, and across the world.

KAREN provides super fast, unrestricted broadband – many hundreds of times faster than a standard internet connection – and with no usage fees.

More than 220,000 students, researchers and educators at over 60 New Zealand universities, polytechnics, schools and government agencies have access to KAREN, as well as scientists at all our Crown Research Institutes across the country. KAREN also links you to over 200 million advanced network users worldwide.

### What KAREN means for you

- Dramatic reduction in research time
- Access global funding pools
- Increased research and teaching productivity
- Better communication
- Significant cost savings
- Access to the latest technologies



“We reduced data processing time from three months to two days accessing BlueFern high performance computing over KAREN.”

Julia Charity, Scion Research



## Using KAREN everyday

It's more than likely that you already have access to KAREN at your organisation. Your workplace computer may already be connecting you automatically to KAREN.

In most cases you don't need any special software to use KAREN for your everyday education and research activities. KAREN's global network gets you where you need to go and links you seamlessly with people, content and services in New Zealand and around the world.

Through KAREN you can access online digital content, email your colleagues and do many other everyday things, but with the added benefit of high speed and unlimited data.

KAREN lets you to do everything faster, in a more reliable environment and in higher quality. Through KAREN you can:

- discuss research with remote colleagues for hours over high definition desktop video conferencing, without call quality issues
- work simultaneously on research papers using online shared workspaces, simplifying collaboration
- download and manipulate high resolution 3D visualisations of, for example, ancient art and manuscripts, resulting in new insights
- incorporate on-demand streaming video into your classes knowing it will work even if the class next door is doing the same thing

More @ [www.wiki.karen.net.nz/index.php/KAREN\\_Content](http://www.wiki.karen.net.nz/index.php/KAREN_Content)

But this is just the beginning...



"Students around the country will be producing and mixing their own music in real-time accessing our state-of-the-art digital studio in Dunedin over KAREN."

John Egenes, Department of Music, University of Otago

www.karen.net.nz

## Using KAREN to get ahead

In addition to general everyday use, you can use KAREN more deliberately to accelerate the reach, delivery and form of your work.

Large, collaborative science and research projects are the driving force behind KAREN. They rely on the speed, reliability and reach of the network to do better research and to do research collaboration better. Through KAREN you can:

- create new learning opportunities in 3D virtual worlds with a realistic, immersive experience
- share huge datasets with collaborators without data loss
- run data-intensive experiments reliably
- control remote, large-scale research equipment with great precision
- access high performance computing services quickly

More @ [www.wiki.karen.net.nz/index.php/KAREN\\_Resources](http://www.wiki.karen.net.nz/index.php/KAREN_Resources)

## KAREN services

KAREN video conferencing service

- Face to face calls with remote colleagues
- Co-delivery of classes
- Presentations from distant experts
- Watch broadcast seminars from afar
- Conduct large multi-party meetings

These are all possible through the KAREN video conferencing service.

More @ <http://avcc.karen.net.nz/>



"Using KAREN to get instant access to images from the telescopes at the Mt John University Observatory means we can analyse phenomena like supernovas in real-time, giving us the opportunity to make important discoveries."

Dr Karen Pollard, Director  
Mt John Observatory,



"We saved more than \$50,000 on travel over six weeks by using video conferencing over KAREN."

Hamish House, NZi3,  
University of Canterbury

www.karen.net.nz

## Am I on KAREN?

Try these tools and resources to find out...

- [karen.net.nz/members](http://karen.net.nz/members) - am I a member of KAREN
- [karen.net.nz/get-started](http://karen.net.nz/get-started) - can I use KAREN from my computer & how to get access if I don't
- [otago.ac.nz/its/networkphones/karen.php](http://otago.ac.nz/its/networkphones/karen.php) - who can I communicate with over KAREN
- [avcc.karen.net.nz](http://avcc.karen.net.nz) - let's try VC over KAREN

## Learn more



[karen.net.nz](http://karen.net.nz)



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[wiki.karen.net.nz](http://wiki.karen.net.nz)



[youtube.com/KARENmedia](http://youtube.com/KARENmedia)

www.karen.net.nz

## Who runs KAREN?

Research and Education Advanced Network New Zealand Ltd is the crown-owned, not-for-profit company that owns and operates KAREN. REANNZ pools together demand for networks and services from KAREN members to buy the best value broadband for the research and education sectors.