

Understanding Research Drivers for New Zealand's Advanced Research Computing

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DESCRIPTION

New Zealand eScience Infrastructure (NeSI) (www.nesi.org.nz) enables researchers across a wide range of communities and disciplines to tackle large or highly complicated problems and to investigate scientific challenges that were previously impossible. Through surveys and online tickets, NeSI regularly monitors and responds to its researchers' day-to-day needs. In 2018, a broader community consultation was launched to better understand researchers' perspectives on topics such as research trends, challenges, and aspirations. NeSI reached out to research leaders across New Zealand conducting structured interviews to explore the opportunities and future needs within New Zealand's research ecosystem.

Through its researcher consultation activities, NeSI aimed to identify:

- advanced computing needs across NZ's research communities
- areas where data and data analysis needs were increasing rapidly
- skills gaps
- characteristics of researcher needs for services and support

As a national HPC platform, it is essential NeSI maintains ongoing dialogue to be in the best position to enable New Zealand's research communities. NeSI's researcher consultation focused on amplifying the voices and interests of research communities, to inform NeSI's future investments and build relationships that create a better environment to enable research.

This presentation will share the process of conducting these community consultations, including some learnings made along the way; and the resulting findings - what leaders from the New Zealand research sector expect from eResearch in the next 5 years.

REFERENCES

1. Compute Canada, list of community white papers. Available from <https://www.computecanada.ca/research-portal/sparc2/list-of-community-white-papers/>, accessed 21 June, 2019.
2. Lohani, N.P., Huh, J., Rae, G. and Jones, N., Research Community Consultation guide. Available from https://auckland.figshare.com/articles/Research_Community_Consultation_Guide/8247194, accessed 21 June, 2019.