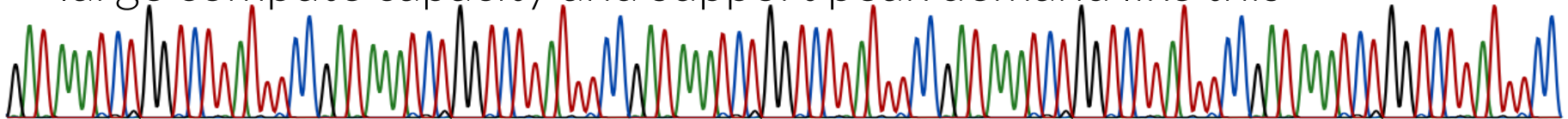# NeSI / NZGL Alliance

Project Example

AgResearch is planning a project that requires a large volume of compute, storage and network bandwidth capacity for data merging. The data merging will need to be run monthly and completed within a short timeframe before new data arrives in the following months from Australasian collaborators.

- NZGL could utilise its BioIT infrastructure to support this, but it will cause significant delay and disruption to other customers

- Through NZGL and NeSI's alliance, NZGL will utilise NeSI's large compute capacity and support peak demand like this

Why form an Alliance?

In forming this Alliance, there are opportunities in terms of:

- NZGL and NeSI investing in complementary resources (computing, staff).

- Genomics research being undertaken on appropriate platforms across NZGL and NeSI.

- Redundancy of functional expertise in computation and analysis services across NZGL and NeSI.

- National reach for provision of capability uplift to the research community through joint workforce development initiatives.

History of the Alliance

- An initial briefing paper was presented to the respective boards in October 2014 and more recently in July 2015.

- A media release was made in early September 2015 which clearly outlined the intention of both NeSI and NZGL to form an alliance.

- A project working group was developed and agreed in principle an initial scope of work and prioritisation of key activities in October 2015.

- This has led to an agreed action plan for the remainder of 2015 through to end of 2016.

The Working Party

Sandy Baines
NZGL

Nic Mair
NZGL

Georgina Rae
NeSI

Dan Sun
NeSI

Mike Ladd
NeSI

Work Stream	Description
Partnerships	Formal agreements (legal and non-legal) required to operate the Alliance
Services	Development and alignment of common service infrastructure
Technology	Provision for Bio-IT / HPC technologies to support services
Engagement	Marketing and Communications to support the Alliance
Workforce Development	Joint program for national workforce development
Business Systems	Common business infrastructure to support the Alliance
Project Management	Management and coordination of tasks to form the NZGL – NeSI alliance.

The Plan

Outcomes and Aligned Initiatives

NZGL and NeSI investing in complementary resources (computing, staff).
1. *Memorandum of Understanding*
2. *Joint technology roadmap*

Genomics research being undertaken on appropriate platforms across NZGL and NeSI.
1. *Joint services audit and development*
2. *Platform access policies*

Redundancy of functional expertise in computation and analysis services across NZGL and NeSI.
1. *Resource capability matrix*
2. *Virtual resource pool*

National reach for provision of capability uplift to the research community through joint workforce development initiatives.
1. *Research community needs analysis*
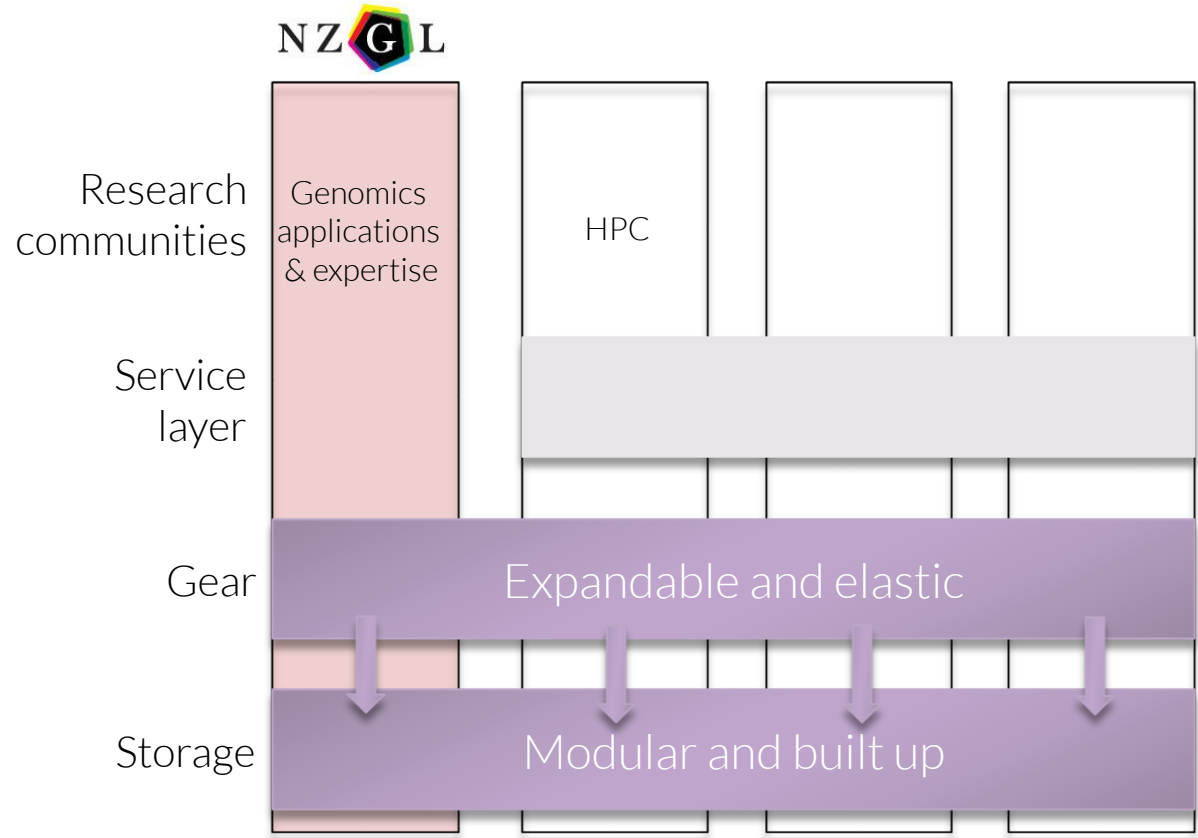2. *Aligned training plans and material*

Workforce Development

- NZGL to join forces on delivering training workshops

  - Initial focus – developing basic skills through Software Carpentry (step 1 – Instructor training)

  - Combined schedules/advertising/delivery

NeSI and NZGL team members at Software Carpentry Instructor Training – January 2016

Service Development

Summary

National

End to End

Seamless

Excellence

Summary

National

End to End

Seamless

Excellence

Summary

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Summary

Questions?