



Shifting NZ's eResearch Capability: reflecting on NeSI's training efforts

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The Power Behind Researchers

Growing the computing capability of New Zealand
researchers to ensure our future prosperity

Delivering value through eScience services



High Performance Computing –
computation and analytics



Consultancy
Training



Data transfer

Growing the computing capability of NZ researchers





NeSI's Training

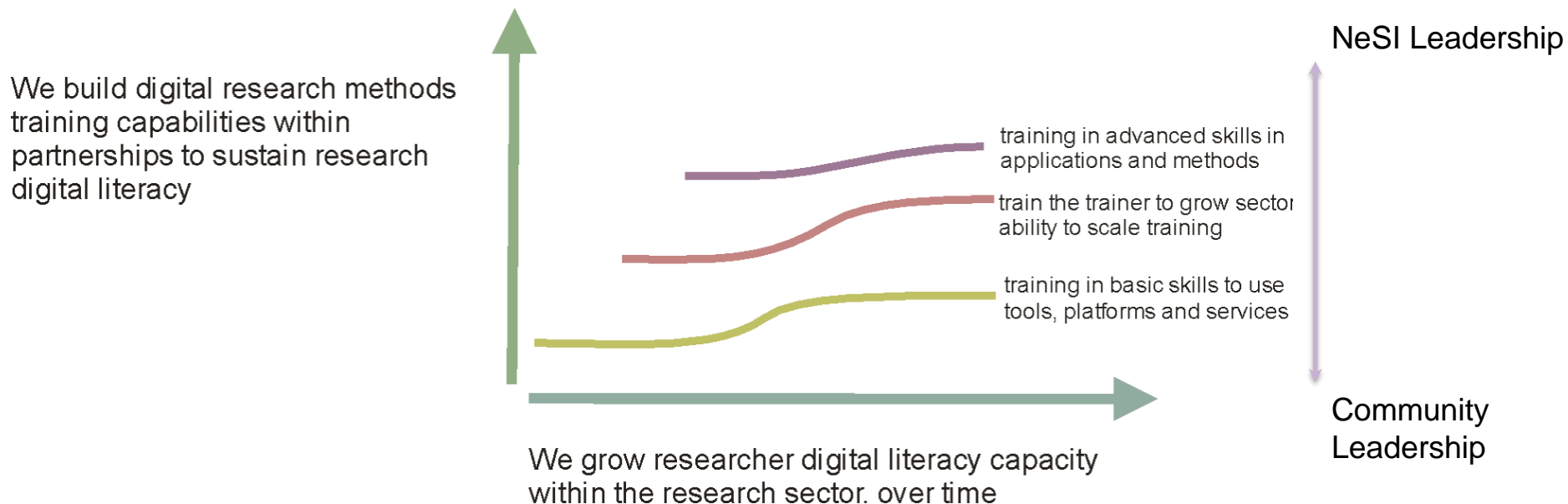
Values:

**NeSI cooperates with researchers
by providing superior computer power,
support systems and
training to underpin the integrity of their research.**

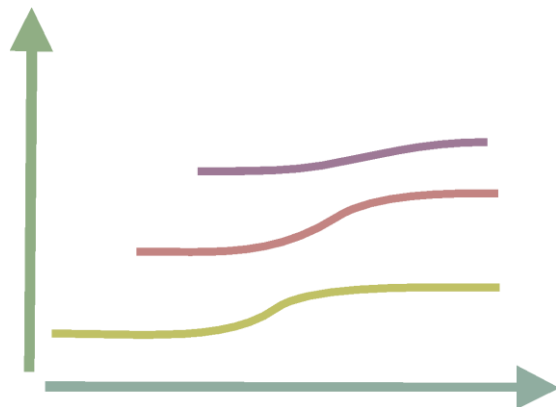
Objective:

**To grow advanced skills
that can apply high-tech capabilities
to challenging research questions.**

NeSI's Training Strategy:

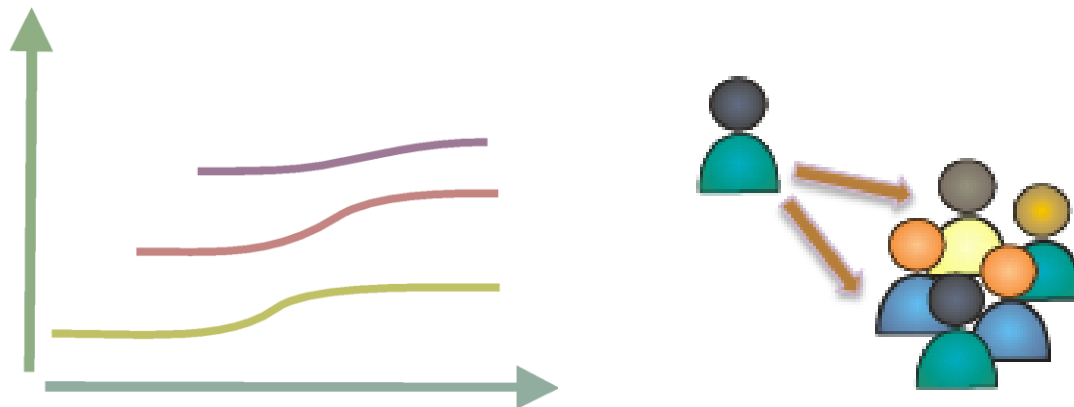


Basic skills to use platforms, tools, services



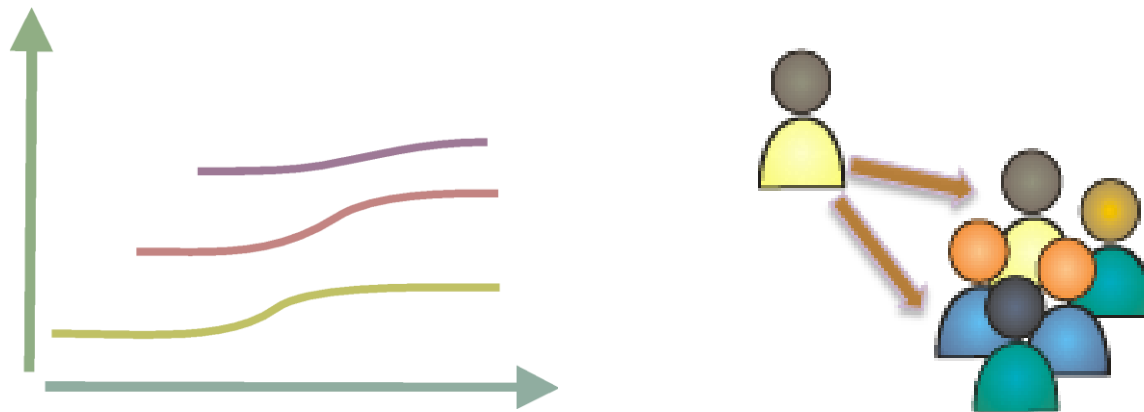
| Building capacity | | Planned | Delivered | |
|-------------------|---|---------|-----------|---|
| Basic skills | Research Bazar/Bootcamps Carpentries Community led events | 24 | 33 | ✓ |

Grow sector ability to scale training



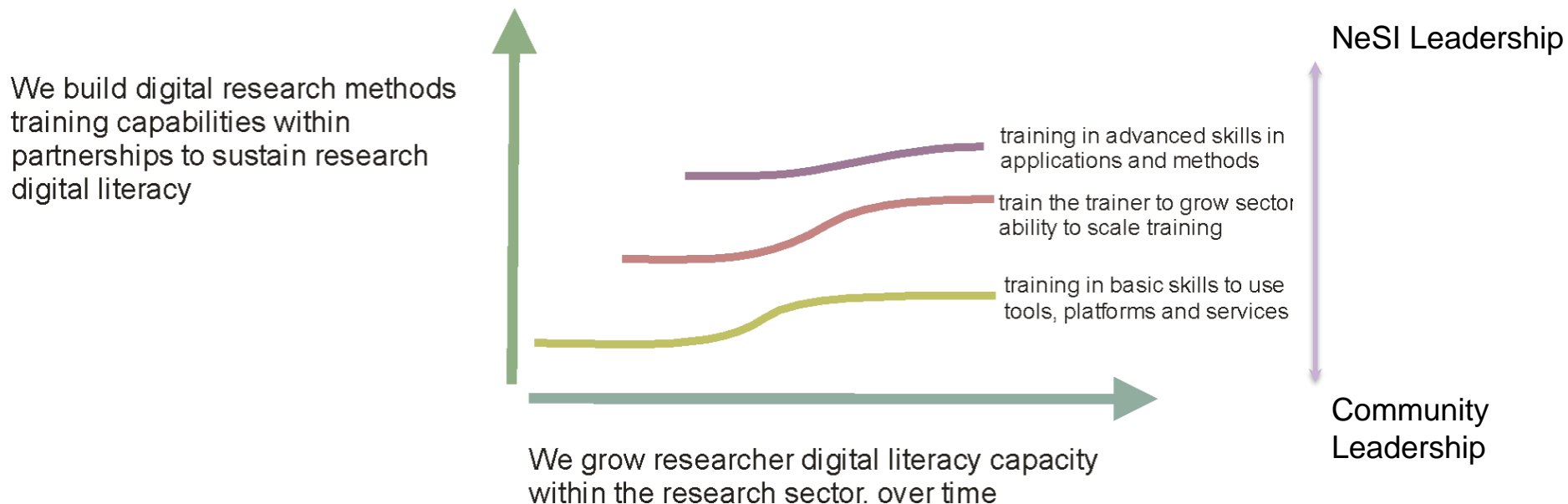
| Building capacity | | Planned | Delivered | |
|-------------------------------|--|----------------|----------------|---|
| Training instructors/ helpers | Software Carpentry instructor training | 58 instructors | 66 instructors | ✓ |

Advanced skills in applications and methods

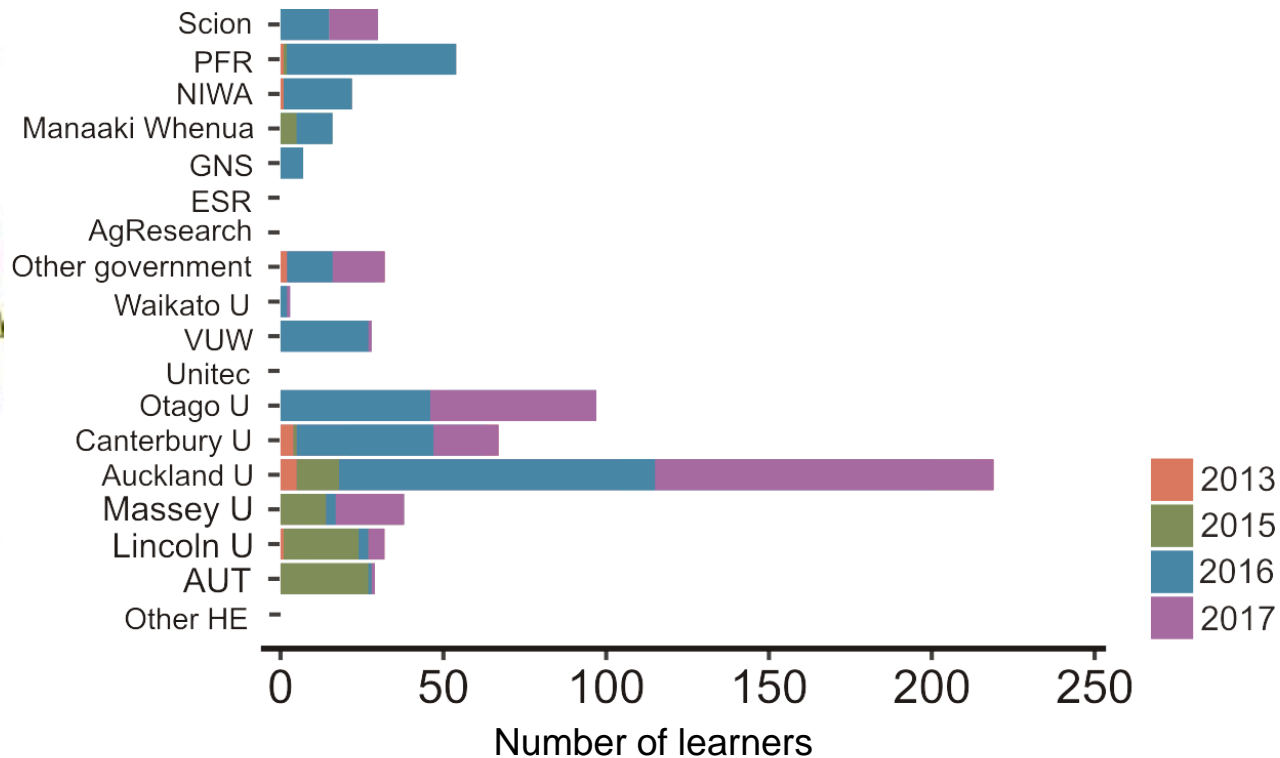


| Building capacity | | Planned | Delivered | |
|-------------------|------------------------|---------|-----------|---|
| Advanced skills | HPC-specific workshops | 6+ | 17 | ✓ |

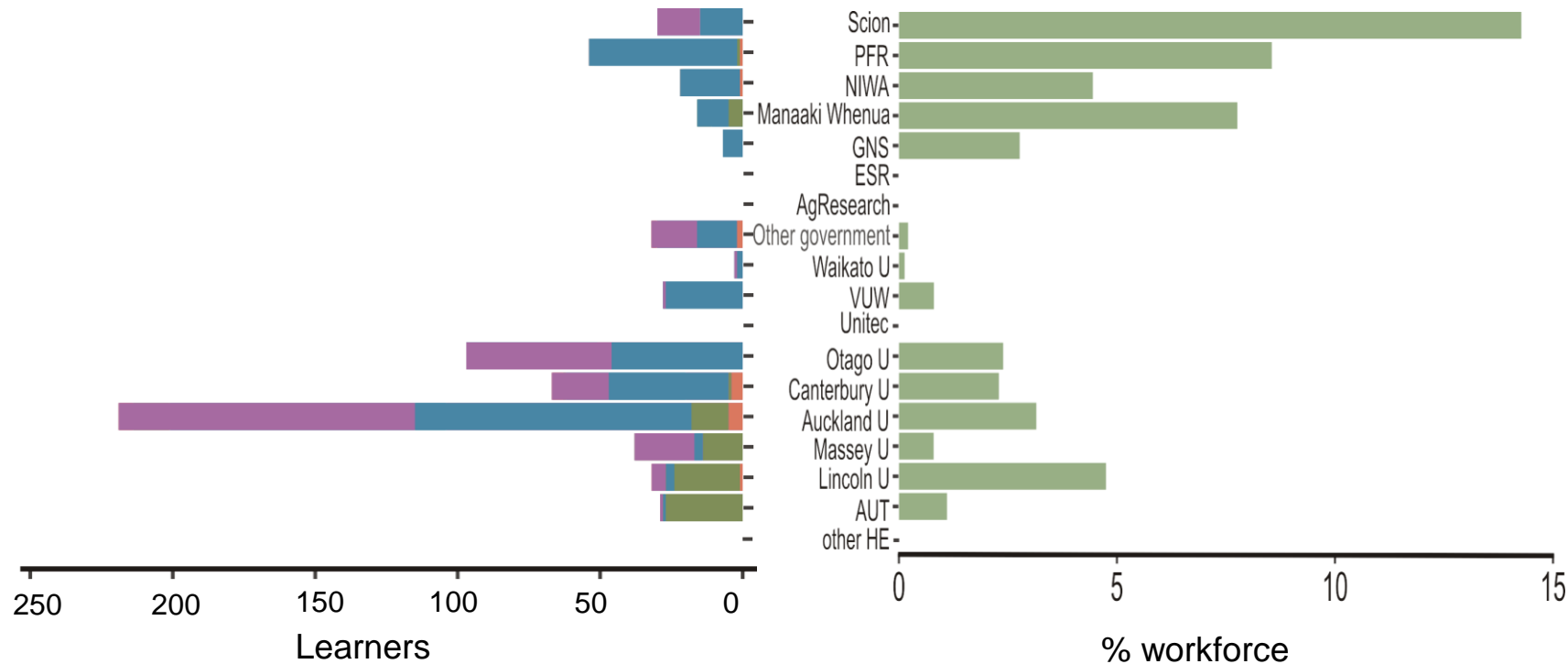
Strategy:



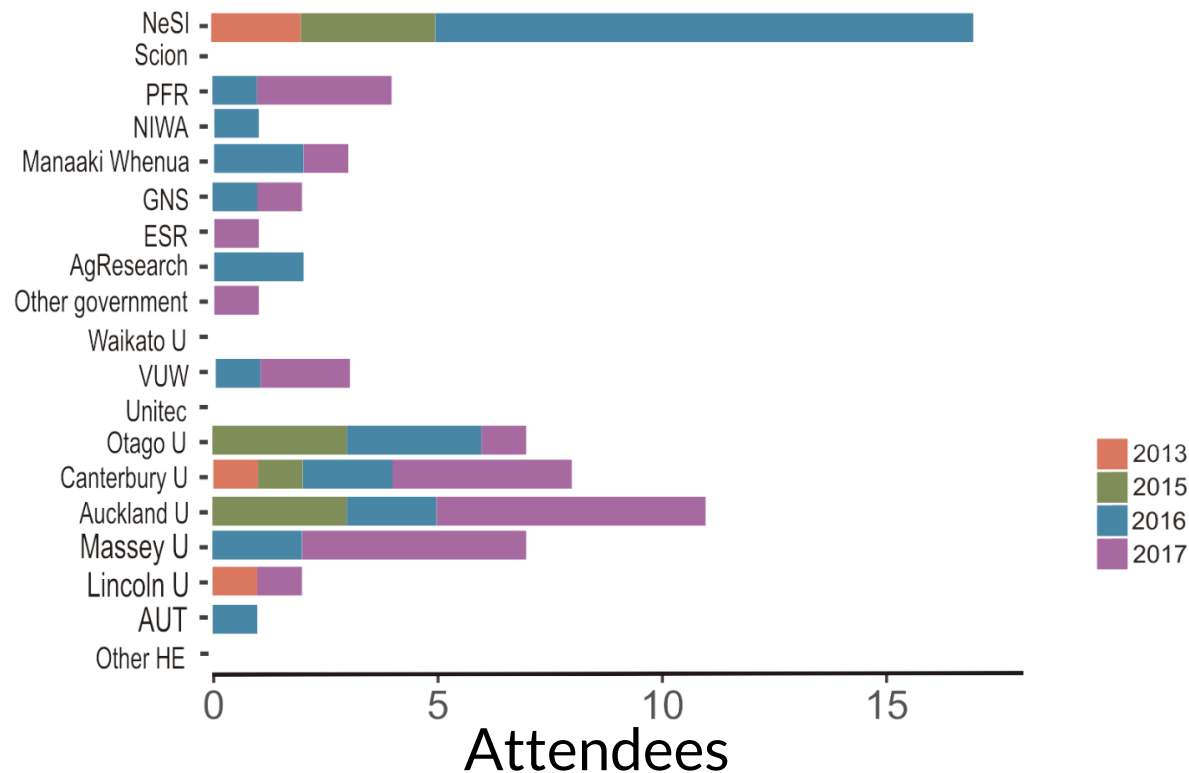
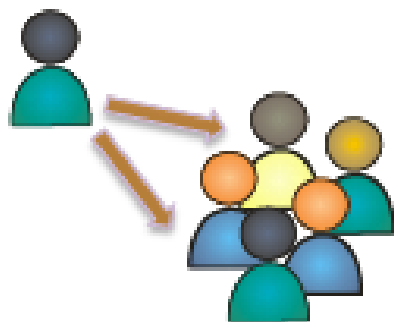
Training reach



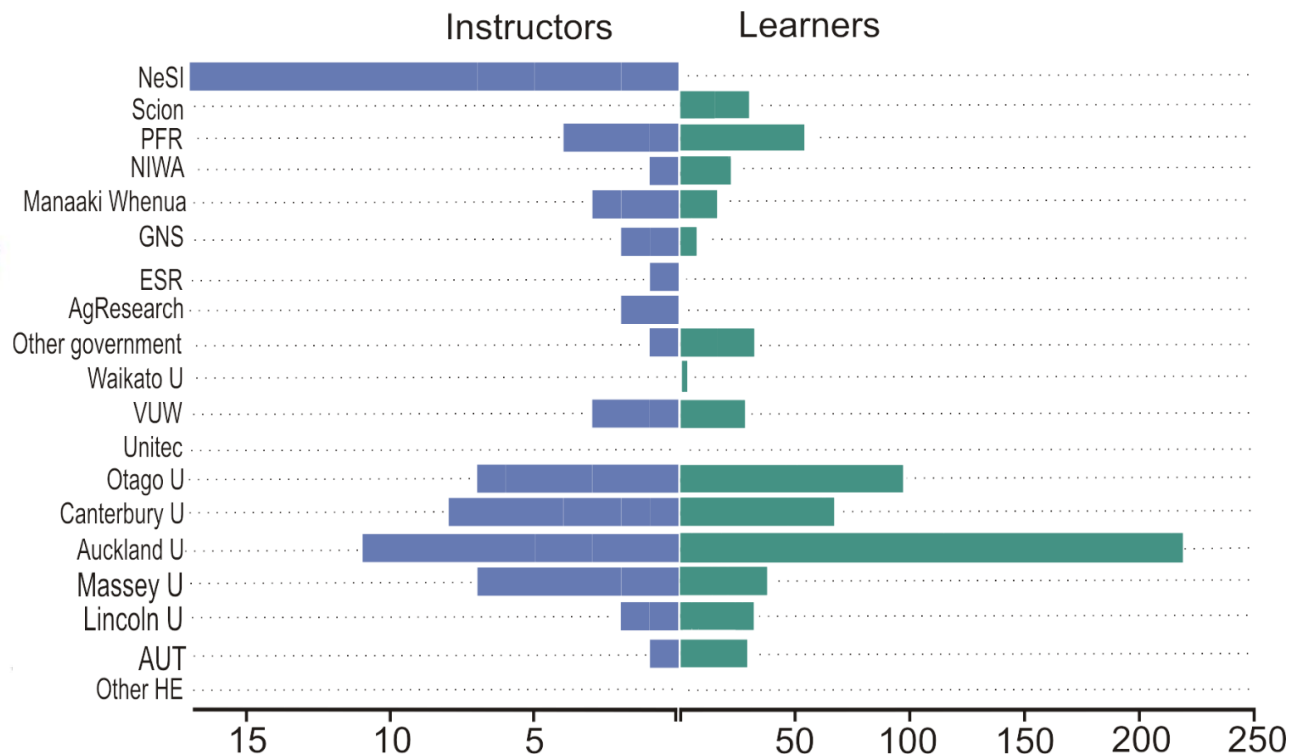
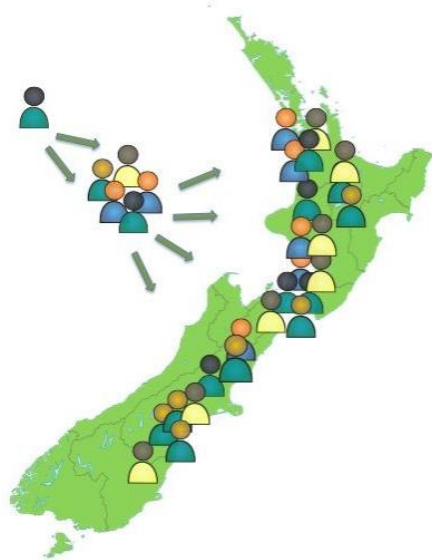
Training reach



Instructor Training



Training reach







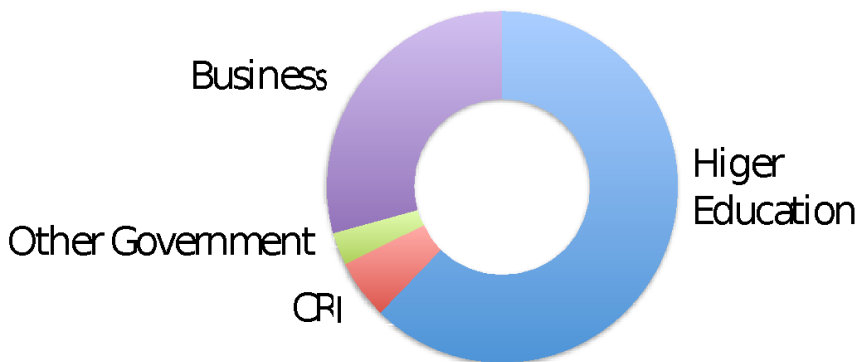
Insights

- You need good data to report impact
- Given our scale, you must still be pragmatic
 - Analysis paralysis

So what is next for Training at NeSI?

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New Zealand's Research Workforce



| Role | HE | CRI |
|----------------|---------------|--------------|
| Researchers | 10,700 | 1,860 |
| Technicians | 2,000 | 558 |
| Students | 16,400 | 0 |
| Total | 29,100 | 2,557 |
| <i>Percent</i> | 92 | 8 |

The real size of the challenge... a scenario

Goal: 50% of NZ researchers attending *basic* digital skills training

PhD students

113 workshops

Researchers and technicians (Higher Ed)

159 workshops

Researchers and technicians (CRIs)

32 workshops

Govt + Business

188 workshops

Where to from here?

He tangata,
He tangata,
He tangata



SAVE THE DATE

eResearch NZ 2019

18 - 20 February // Heritage Hotel

Auckland, New Zealand



NeSI
New Zealand eScience
Infrastructure

REANZ



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