

**genomics  
aotearoa**

**Ngoni Faya  
12 January 2020**

# What is Genomics Aotearoa?

---

- **An MBIE funded platform to support developments in genomics and bioinformatics**
- **Hosted by University of Otago**
  - **Director: Professor Peter Dearden**
  - **9 University and CRI partners**
  - **Large number of affiliate organisations**
- **Up and running on a range of projects**
- **Funded for 7 years at approximately \$5 million/year**

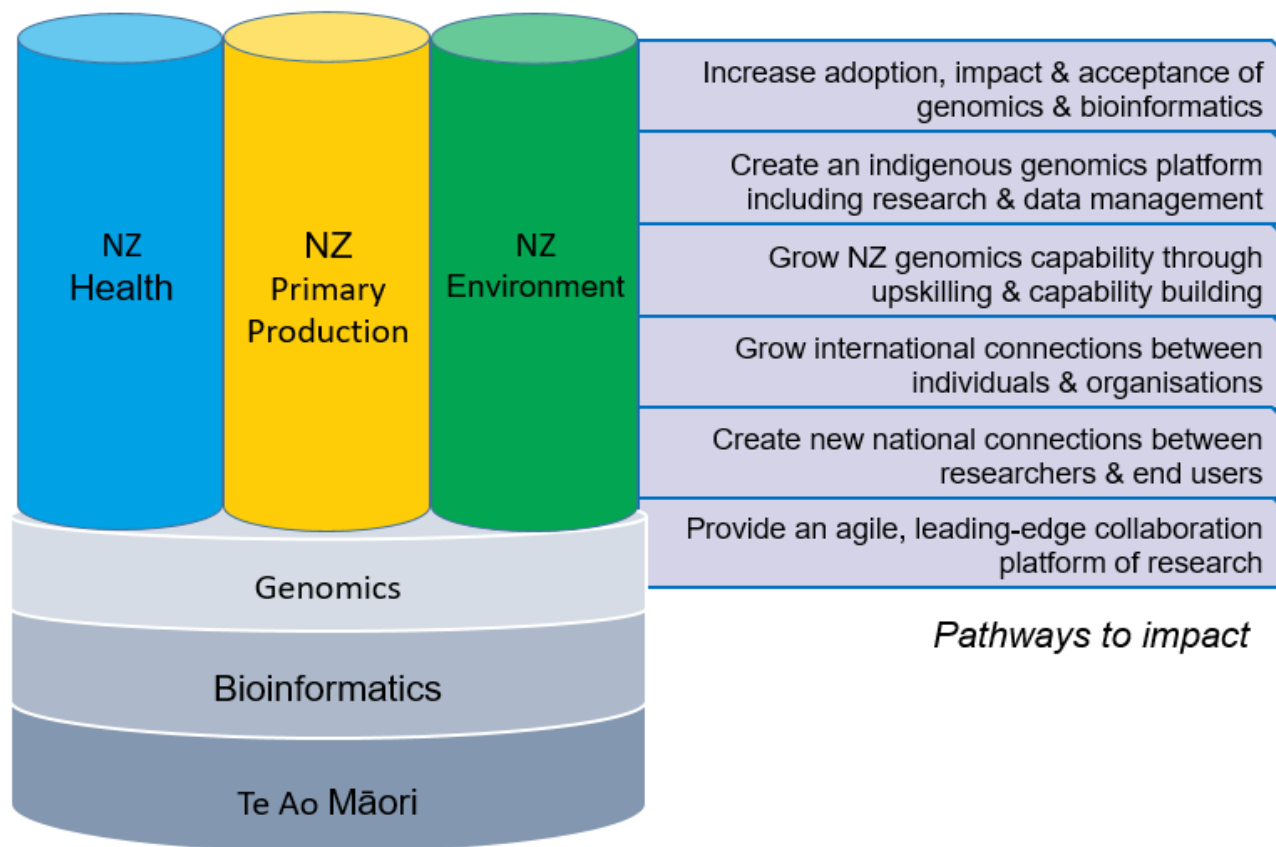


# Our collaborative platform



# Genomics Aotearoa research themes

*Research projects within 3 themes*



*Underpinning infrastructure*



# Organisational structure

---

- **Bioinformatics Leadership Team (BLT)**
  - **Mik Black (Otago): bioinformatics project lead**
  - **Kim Handley (Auckland): Environment bioinformatics lead**
  - **Miles Benton (ESR): Health bioinformatics lead**
  - **Rudi Brauning (AgResearch): Primary production bioinformatics lead**



# Postdoctoral research fellows

---

- 10 postdoctoral research fellows working across our projects.
  - Spread across Themes, and across sites
  - Working on computational challenges
- Training



# Bioinformatics training

---



- **Carpentries-style training system (workshops)**
- **Partnering with NeSI to deliver joint Carpentries (Data/Software) and Bioinformatics training.**



# Training update

---

- **April 2019 up to date**
  - **8 Genomics Data Carpentries**
  - **GBS and Metagenomics Summer School**
  - **Over 250 people trained**





# Feedback

---

- 100 % attendance
- High demand
- 75% confident to immediately apply the new skills
- Follow up???



# Participants feedback

---

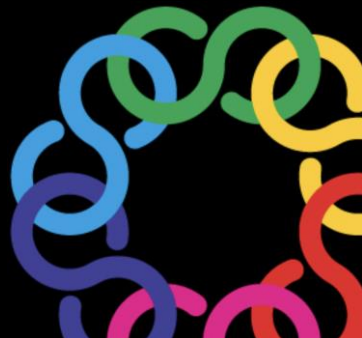
**More  
intermediate  
and  
advanced**

**Please  
extend time  
from 2 days  
to 4 days**

**A follow up  
to help for  
more for  
scripting etc.**

**Wish I had  
learnt this  
earlier**

**My  
colleagues  
will benefit  
from this too**





**genomics  
aotearoa**

---

# Thank you