

# Understanding the community

## Community consultations

Brisbane 8/Aug

Perth 10-11/Oct

Canberra 30/Oct

Sydney 3/Nov

Melbourne 8/Nov & 17/Nov

ABACBS 14/Nov

Adelaide 20/Nov

## International Advisory Group

- Dr Vivien Bonazzi, Senior Advisor Data Science Tech & Innovation, Big Data to Knowledge (BD2K) Initiative (NIH)
- Dr Delphine Fleury, Aus Centre for Plant Functional Genomics, SA
- Dr Paul Flicek, Lead, Vertebrate Genomics & ENSEMBL, EBI-EMBL
- Prof Sean Grimmond, Director, Centre for UoM Cancer Research, VIC
- Prof Jaap Heringa, Head, ELIXIR-NL
- Dr Rebecca Johnson, Director, Australian Museum Research Institute, NSW
- Prof Tony Papenfuss, Head, Computational Biology, WEHI, VIC
- Prof Mark Walker, Director, Aust Infectious Disease Res Centre, UQ, QLD
- Dr Jason Williams, Education, Outreach and Training Lead, CyVerse (NSF)

EMBL-EBI



## National Reference Group

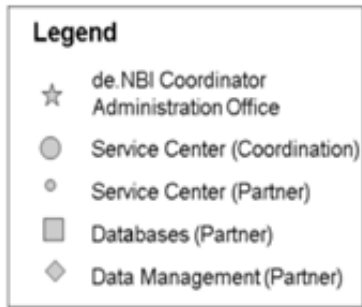
- Prof Tony Bacic (Director of Food)
- Prof Jacquie Batley (Plant Ge)
- Prof Dave Burt (Director Gei)
- Prof Peter Cameron (Acadei and Trauma Centre/Monash)
- Prof Joanne Daly (CSIRO Honorary Fellow)
- Prof Frank Gannon (Director, QIMR Berghofer)
- Prof Rob Henry (Director, QAAFI, UQ)
- Prof Ary Hoffmann (Biosciences, Melbourne U)
- Prof Dean Jerry (Dep Director, JCU Centre for Tropical Fisheries and Aquaculture, JCU)
- Prof Ryan Lister (Head, Epigenetics and Genomics, Harry Perkins Inst/UWA)
- Prof John Mattick (Director, Garvan Institute)
- Prof Kathryn North (Director, MCRI)
- Prof Nicki Packer (Macquarie U & Inst for Gycomics, Griffith U)
- A/Prof Tony Papenfuss (President ABACBS, Computational biology WEHI & Petermac)
- Dr. Maurizio Rossetto (NSW Royal Bot Gardens)
- Prof Eric Stone (Director, ANU-CSIRO Centre for Genomics, Metabolomics and Bioinformatics, ANU)
- Dr Jen Taylor (Group leader Bioinformatics, CSIRO)
- Prof Steve Wesseling (Director, SAHMRI)
- Prof James Whisstock (Monash, EMBL-Australia)
- Prof Marc Wilkins (Director, Ramaciotti Centre for Genomics, UNSW)



# Europe: EMBL + EBI + Elixir + National Infrastructures



- Provide, expand and improve a repertoire of specialized bioinformatics tools (over 100)
- Provide access to computing and storage capacities (currently 15000 cores and 5PB storage)
- Provide regular training events (~30 such events in 17/18 from 2 to 5 days in length)
- Maintain and develop specific high-quality data resources



SIB leads and coordinates the field of bioinformatics in Switzerland. Its data science experts join forces to advance biological and medical research and enhance health by:



Swiss Institute of Bioinformatics

1. Providing the national and international life science community with a state-of-the-art bioinformatics infrastructure, including resources, expertise and services
2. Federating world-class researchers and delivering training in bioinformatics.



# Mapping infrastructure to users groups

<i>Data scale</i>	<i>Community</i>	<i>bioinformaticians</i>	<i>bioinformatics intensive bioscience researchers</i>	<i>data intensive bioscience researchers</i>	<i>biology focussed bioscience researchers</i>
<i>A service platform to which a researcher can bring their research goals, tools, pipelines and data</i>		Estimated #: <b>1,000</b> (In 5 years → 1,500)	<b>2,000</b> (→ 3,000)	<b>7,000</b> (→ 12,000)	<b>20,000</b> (→ 15,000)
<i>A technical platform on which data assemblies can more easily occur</i>		Estimated #: <b>1,000</b> (In 5 years → 1,500)	<b>2,000</b> (→ 3,000)	<b>7,000</b> (→ 12,000)	
<i>A platform which can support national scale data investment</i>		Estimated #: <b>1,000</b> (In 5 years → 1,500)	<b>2,000</b> (→ 3,000)		
<i>A mechanism through which Australia can represent its interests and participate in global data endeavours in life sciences</i>		A bioinformatics community leadership group Est <b>20</b>	A bioscience community leadership group Est <b>50</b>	A bioscience community leadership group Est <b>50</b>	