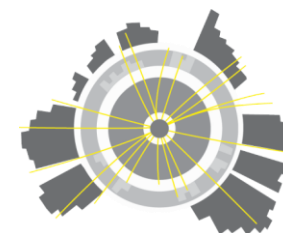


CHEP 2019

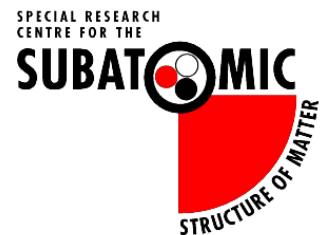


4-8 November, Adelaide, Australia

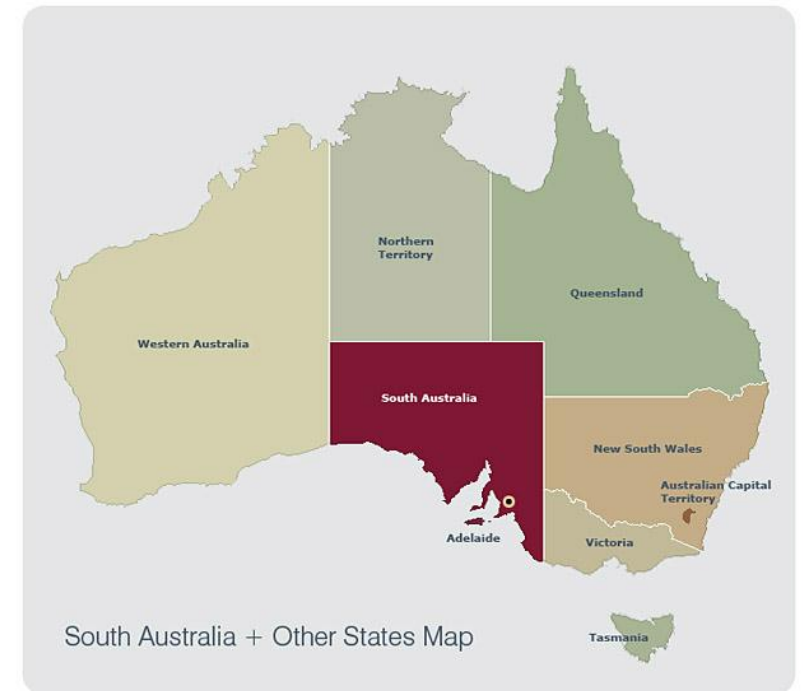
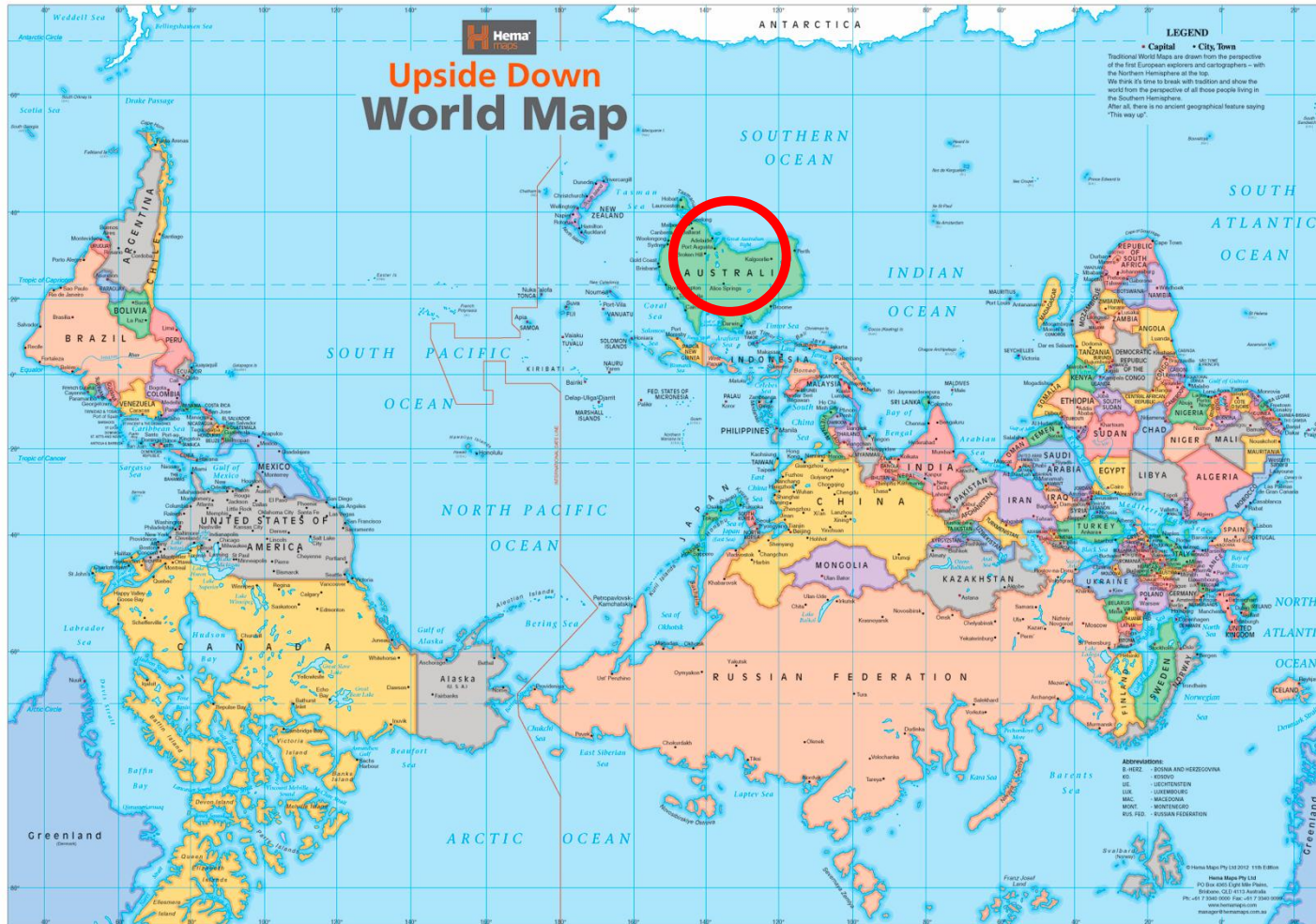
Waseem Kamleh and Paul Jackson



COEPP
ARC Centre of Excellence for
Particle Physics at the Terascale



Location – Adelaide, South Australia

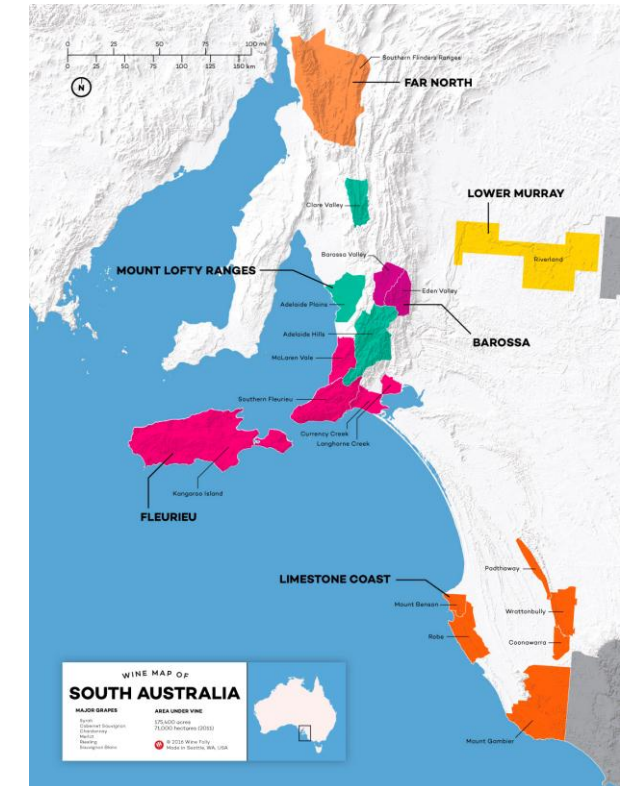


South Australia



Wines@South Australia

- Home to some of the world's most iconic wine regions
- Responsible for ~55% of all wine grown in Australia



McClaren Vale, Barossa Valley and Adelaide Hills are all within a one hour drive from Adelaide

Adelaide

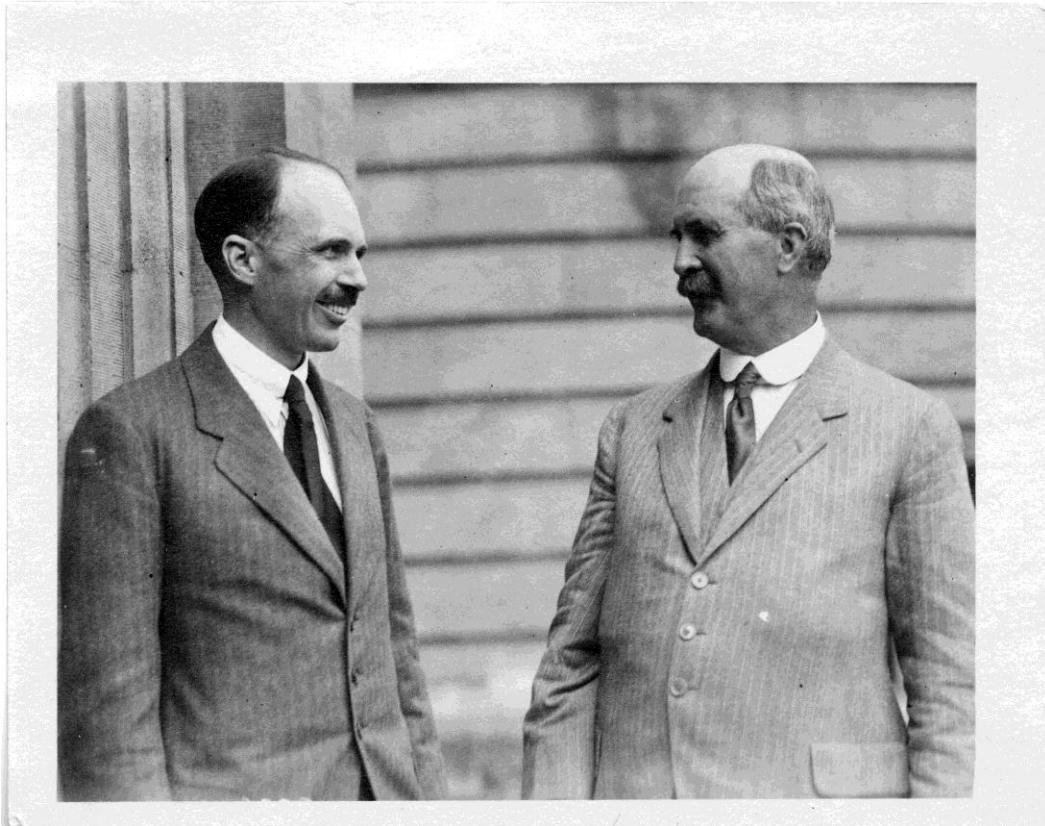
- Adelaide is the capital of South Australia, population ~1.3 million
- Named the “5th most liveable city in the world” by The Economist
... (for six years in a row)



University of Adelaide

- Established in 1874
- 3rd oldest University in Australia
- One of the Group of Eight, a coalition of Australia's leading tertiary institutions
- University of Adelaide has a significant history in high energy & nuclear physics research....





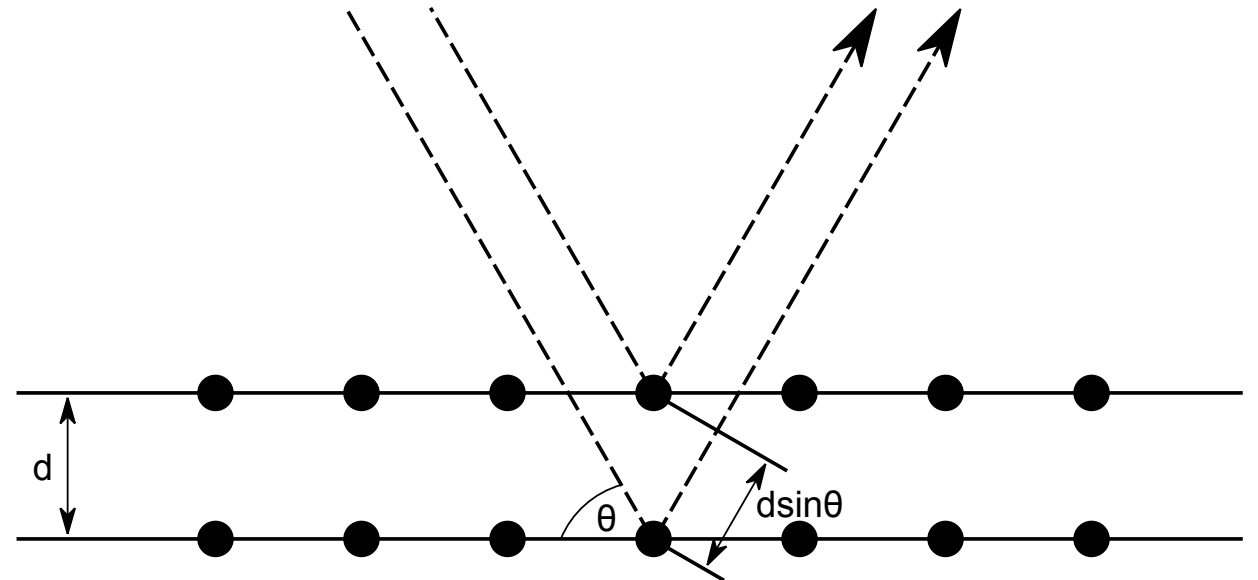
Sir William Lawrence Bragg (1890-1971)

Sir William Henry Bragg (1862-1942)



1915 Nobel Prize in Physics

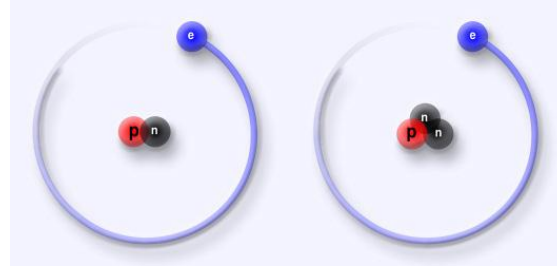
"for their services in the analysis of crystal structure by means of X-rays"



HEP@Adelaide - History

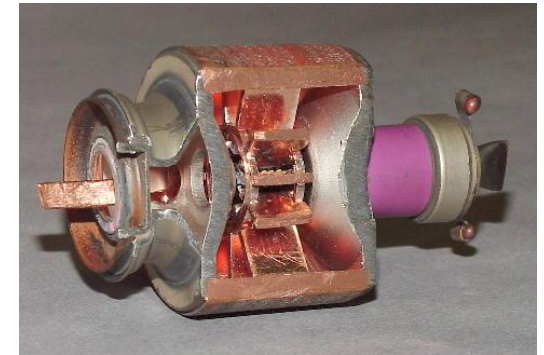


Sir Mark Oliphant (1901- 2000)



Discovered helium-3 and tritium, first demonstration of nuclear fusion!

Cavity magnetron (used in microwave radar, microwave oven)



British Group associated with the Manhattan Project



Centre for the Subatomic Structure of Matter

- Numerical simulations of fundamental quantum theories
- Lattice QCD
- Effective field theory
- Models of complex systems

Centre of Excellence for Particle Physics at the Terascale

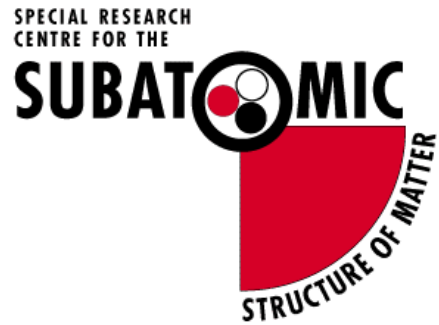
- Searching for supersymmetry (SUSY)
- Searching for evidence of extra dimensions, and other exotic phenomena
- Searching for the origin of dark matter
- Searching for unknown forces of nature at the Terascale
- New computing techniques for LHC / ATLAS data analysis



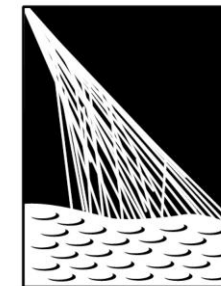
Bring together experimentalists and theorists!

Physics@Adelaide - Collaborations

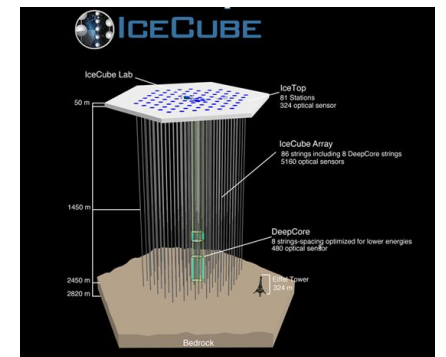
Particle physics collaborations



Other major international collaborations



**PIERRE
AUGER**
OBSERVATORY



ARC Centre of Excellence for Gravitational Wave Discovery



Phoenix

#17 Green500 (June 2016)

#438 Top500 (June 2016)

7,520 Intel cores

160 Nvidia GPUs

144 K80s+16 V100s

800 Tflops (peak)

1.4 Petabytes Lustre

The
GREEN
500

TOP 500
The List.

CHEP2019@Adelaide



4-8 November 2019

**State-of-the-art venue
in the heart of the city**

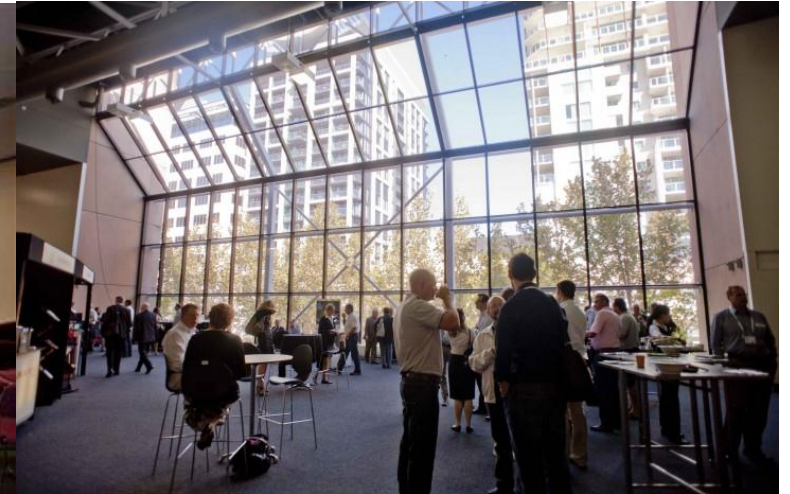


ADELAIDE CONVENTION CENTRE

Venue - Adelaide Convention Centre

Adelaide Convention Centre

Plenary and parallel session rooms, breakout spaces and open areas



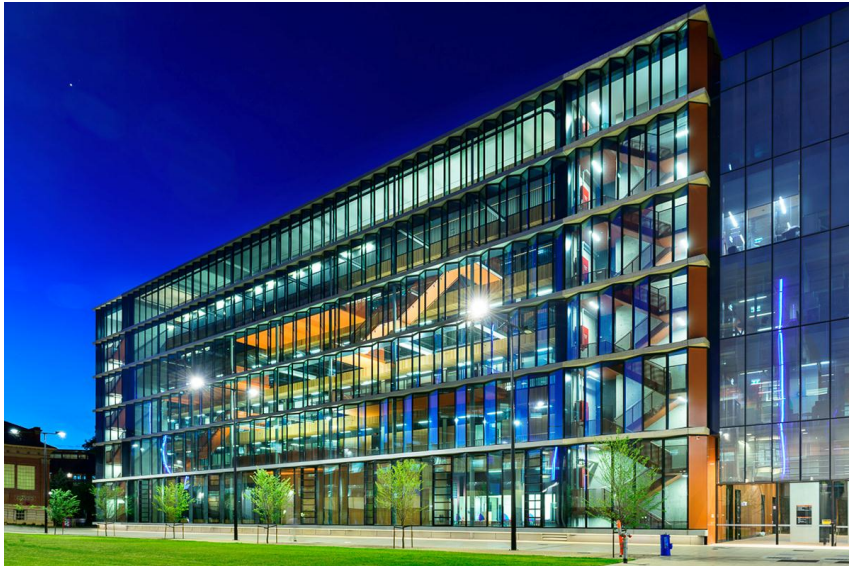
Banquet room with riverfront views



Adelaide Oval is just across the river!

WLCG&HSF workshop – University of Adelaide

- Pre-conference WLCG&HSF workshop on 2-3 November 2019
- Hosted on campus at the University of Adelaide
- Just a short walk down the river from the CHEP2019 conference site



Braggs building



Braggs lecture theatre

Weather@Adelaide

November might be the perfect month to visit!!

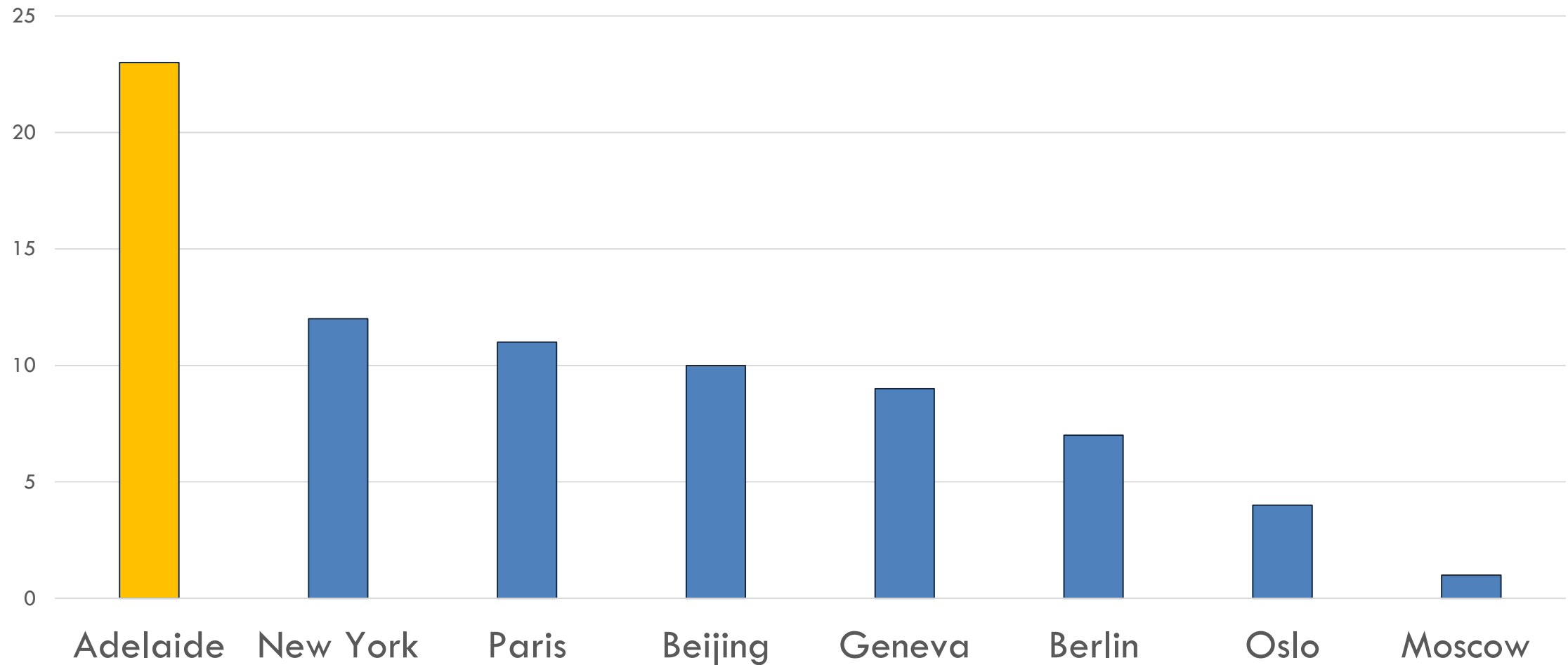
Lots of sunshine

Low rainfall

Off-peak travel



Average Daily Maximum Temperature in November



Adelaide – Flights



Direct connections from major international hubs to Adelaide

November is off-peak travel!

Qantas flights (return) starting from:

Frankfurt — €1,200

Geneva — 1,400 CHF

London — £770 GBP

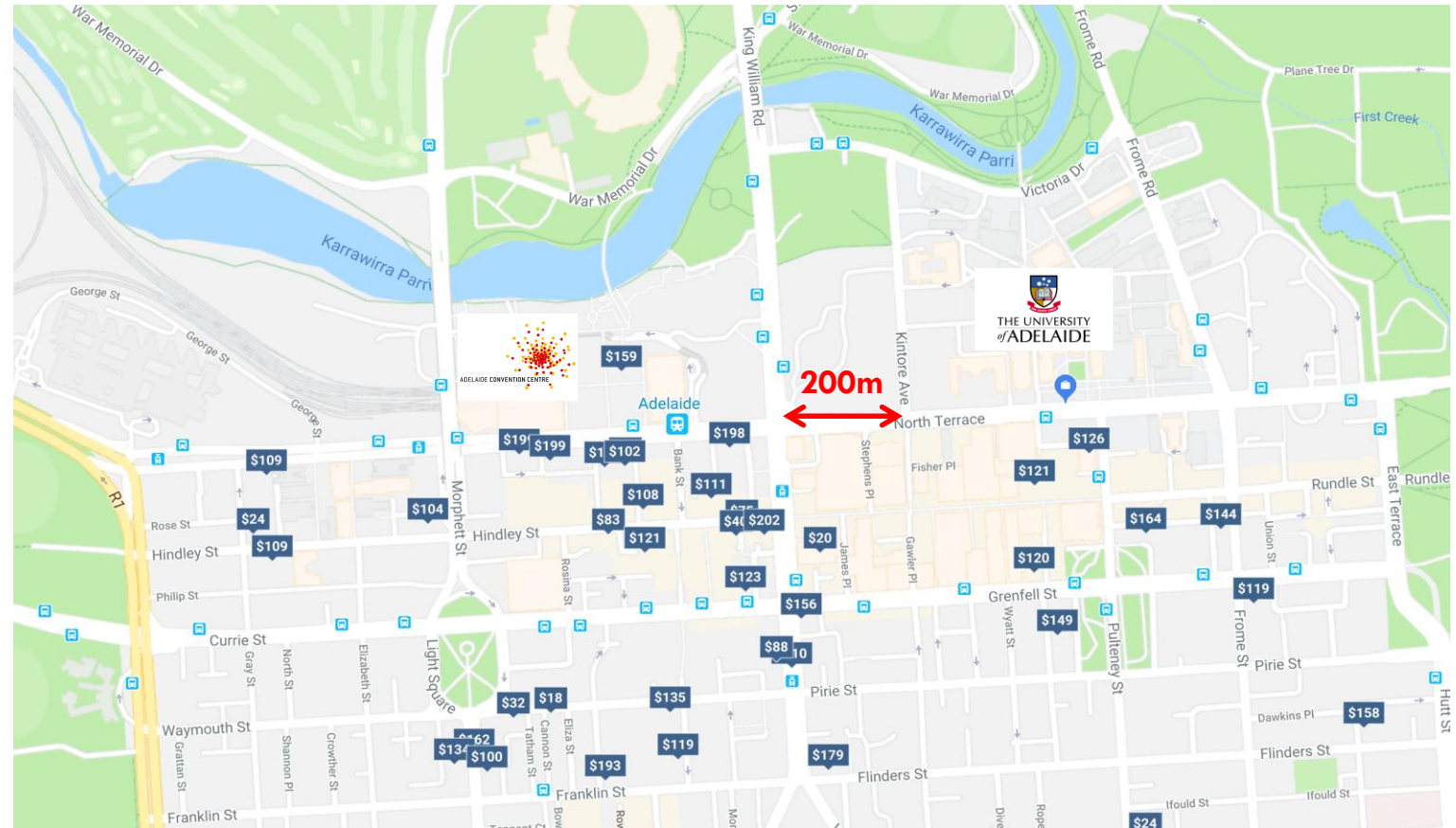
Los Angeles — \$1,200 USD

Tokyo — ¥67,000 JPY

Beijing — ¥4,200 CNY

Short 15 minute taxi ride to city centre.

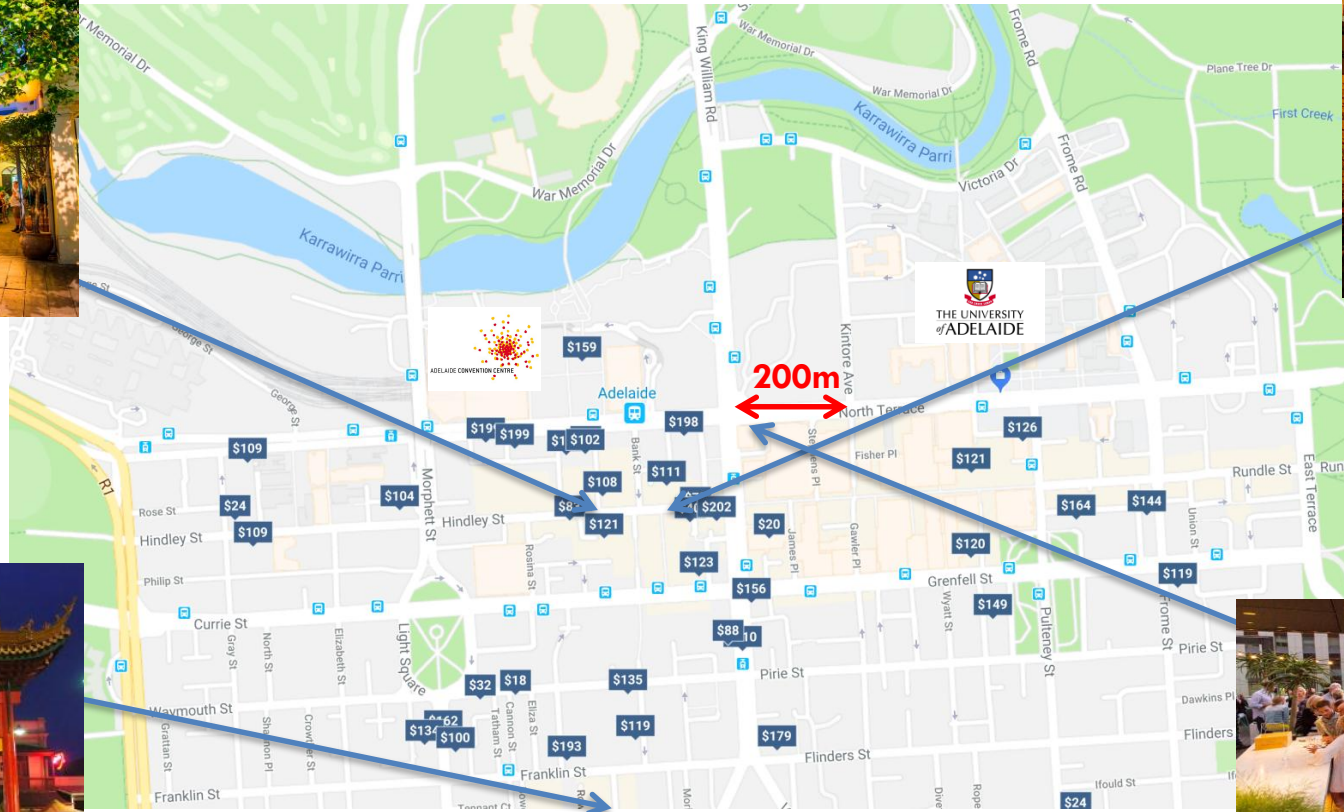
CHEP2019 - Accommodation



Many affordable hotel options within easy walking distance of the venue

CHEP2019 - Dining

Wide choice of high quality dining options close by to the conference venue



CHEP2019 – Tours and Visits

Winery and food tours of McLaren Vale and Barossa



Cleland Wildlife Park tour



Organisers@CHEP2019

We look forward to welcoming
you all to Adelaide next year!



Chairs

Paul Jackson
Waseem Kamleh

Uni. Adelaide

Derek Leinweber
Anthony Thomas
Martin White
Anthony Williams
Ross Young
James Zanotti

Uni. Melbourne

Martin Seviour

Monash Uni.

Peter Skands