



RUN Latin America Delegation The University of the Sunshine Coast University Profile

Professor David Schoeman

Professor of Global-Change Ecology, School of Science, Technology and Engineering

March 2024

Who am I and what do I do?

Prof David Schoeman

Professor of Global Change Ecology

<https://www.usc.edu.au/staff/professor-david-schoeman>

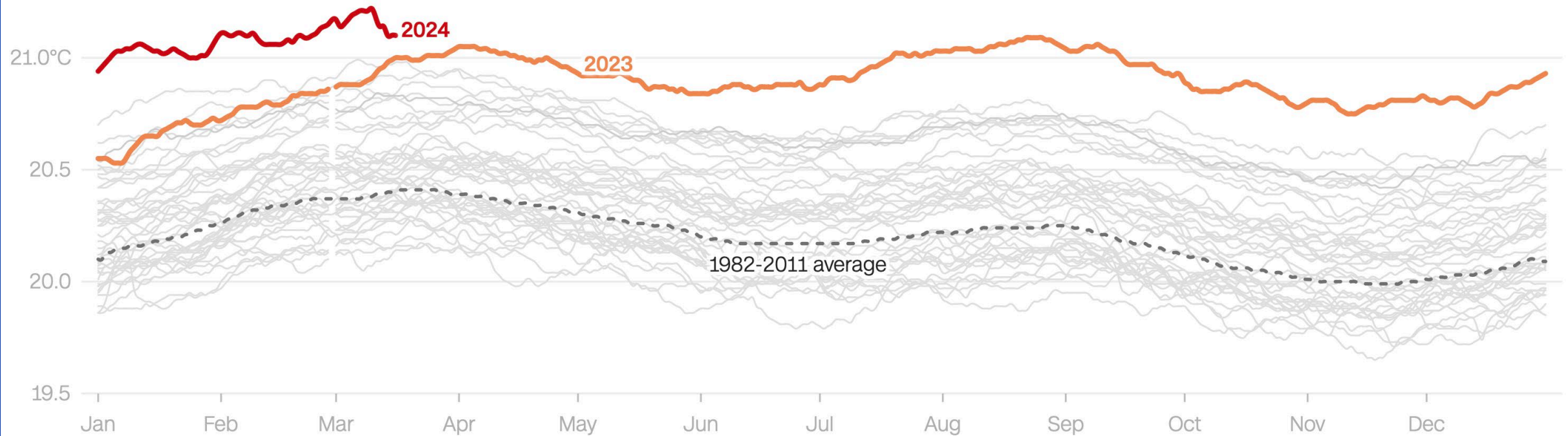
Prof Mark Brown

Director of Forest Research Institute

<https://www.usc.edu.au/staff/professor-mark-brown>

WHY do I do what I do?

Daily sea surface temperature for each year since 1982, global average



Note: Each line represents a year between 1982 and 2024 (up to March 16). A gap in the data at the end of February is due to leap years.

CNN Chart

Source: Climate Reanalyzer

Graphic: Rachel Wilson and Krystina Shveda, CNN



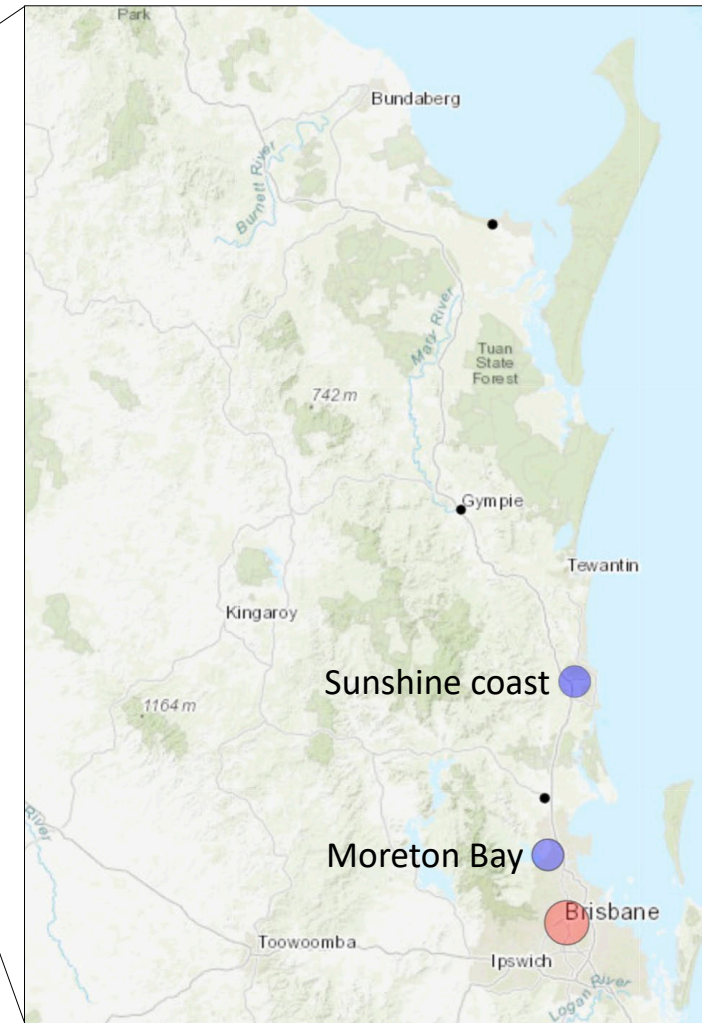


Overview

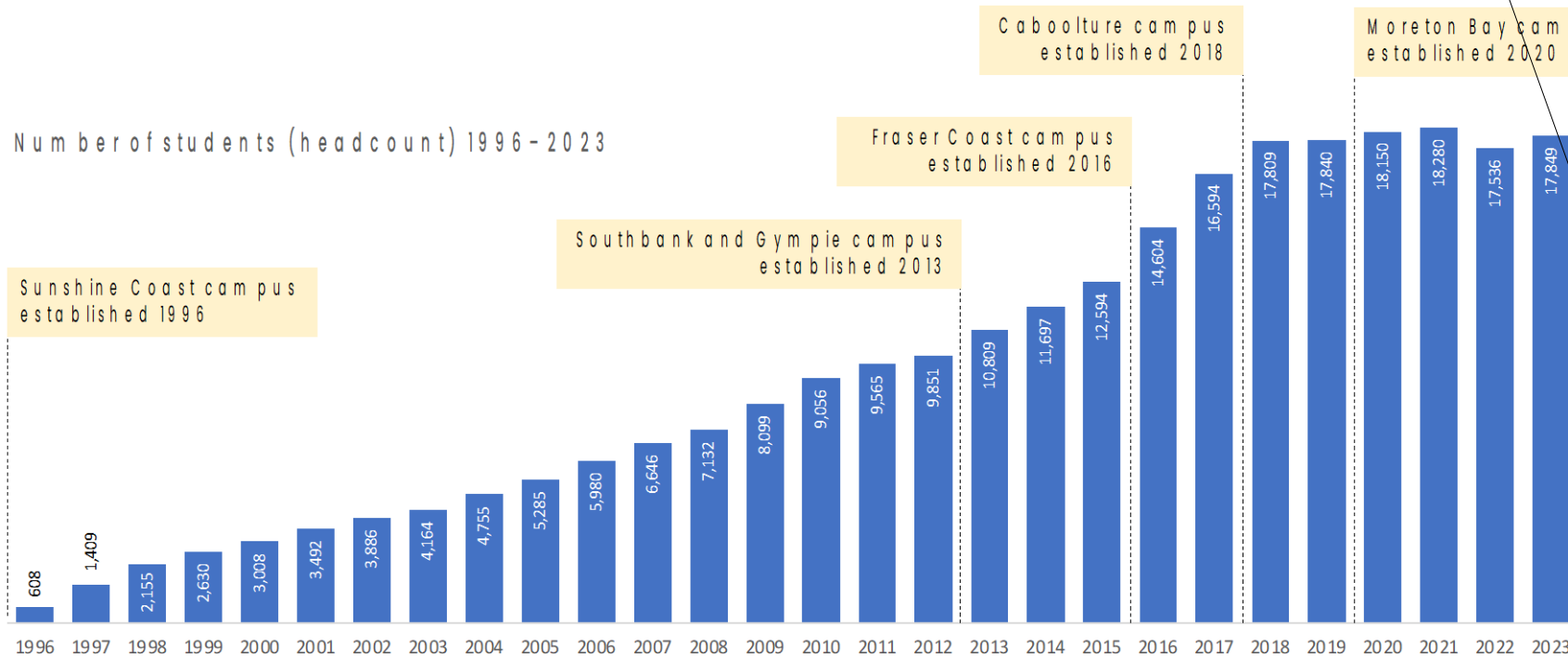
2023

Student load (EFTSL): 11,443.3

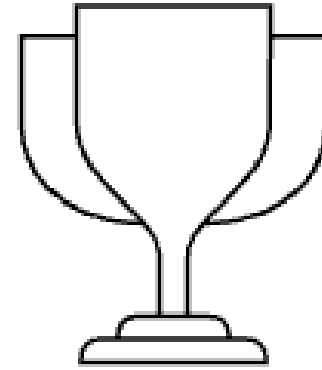
Total students: 17,849



Number of students (headcount) 1996 - 2023



**WE'RE ONE OF
AUSTRALIA'S
HIGHEST-RATED
PUBLIC
UNIVERSITIES**



**1st in Queensland
2nd in Australia***
for overall educational experience

*Ranking of Public Universities in 2021 Student Experience Survey

Good University Guide Ratings



UniSC is rated 5 stars in the following:

- Overall Experience
- Learning Resources
- Teaching Quality
- Skills Development
- Student Support
- Social Equity
- First Generation
- Learner Engagement (Postgraduate)

Excellence in Research Australia Results (2018)

Well above world standard	(5)	Environmental Sciences (Citation) Agricultural and Veterinary Sciences (Citation) Technology (Citation)
Above world standard	(4)	Biological Sciences (Citation) Psychology and Cognitive Sciences (Citation)
At world standard	(3)	Engineering (Citation) Medical and Health Sciences (Citation) Studies in Human Society (Peer Review) Language, Communications and Culture (Peer Review)

Our key research focus areas

HEALTHY
PLANET



HEALTHY
PEOPLE



UniSC sits in three UNESCO Biosphere Reserves





**UniSC is the
highest-ranked
Queensland
university, and
7th in Australia**



In 2023 UniSC ranked
29 equal out of **1705**
institutions globally in the
Times Higher Education (THE)
Impact Rankings

Up **two positions** globally from 2022





We're

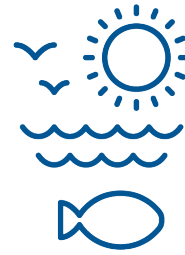
3rd

globally for...

Clean Water and Sanitation



THE IMPACT RANKINGS



Life Below Water



11th



3rd



Life On Land

23rd

5th



Climate Action

28th

9th

UniSC Research Plan (2021-2024)

1. **Attain critical mass and develop capacity**

- Consolidate our research Centres and Institutes
- Enhance enterprise processes
- Develop our regionally relevant and distinctive focus
- Build critical mass

2. **Develop strong, collaborative and productive partnerships**

- Research partnership arrangements with international universities
- Create end-user partnerships, including with national centres
- Knowledge transfer

3. **Achieve research impact**

- Job-ready higher-degree research graduates
- Excellence in higher-degree research supervision
- Research leadership, development and marketing
- Innovation and entrepreneurship
- Research development programs

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UniSC Centres and Institutes

Forestry Research Institute

- Forestry value chain and the economic and environmental sustainability of forest industries

Australian Centre for Pacific Islands Research

- Developing evidenced-based solutions collaboratively with Pacific communities

Centre for Bioinnovation

- Using bio-inspired approaches to better understand disease and the environment

Centre for Human Factors and Sociotechnical Systems

- Using systems thinking to improve recreation, transport, defence, land use and safety

Thompson Institute

- New insight into mental health linked to our brain structure and foundation

Indigenous and Transcultural Research Centre

- Inspiring the lives and wellbeing of First Nations and culturally diverse people

Clinical Trials Centre

- Advanced treatments and breakthrough therapies through safe, ethical medical research studies that aim to find a better way to manage particular diseases in partnership with medical experts and industry

Innovation Centre

- Strategic partnerships to support university-industry interactions to unlock the innovation, productivity and potential of its regional communities.



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UniSC Higher Degree by Research Program



435 Higher Degree by Research (355 PhD)

Research Strengths

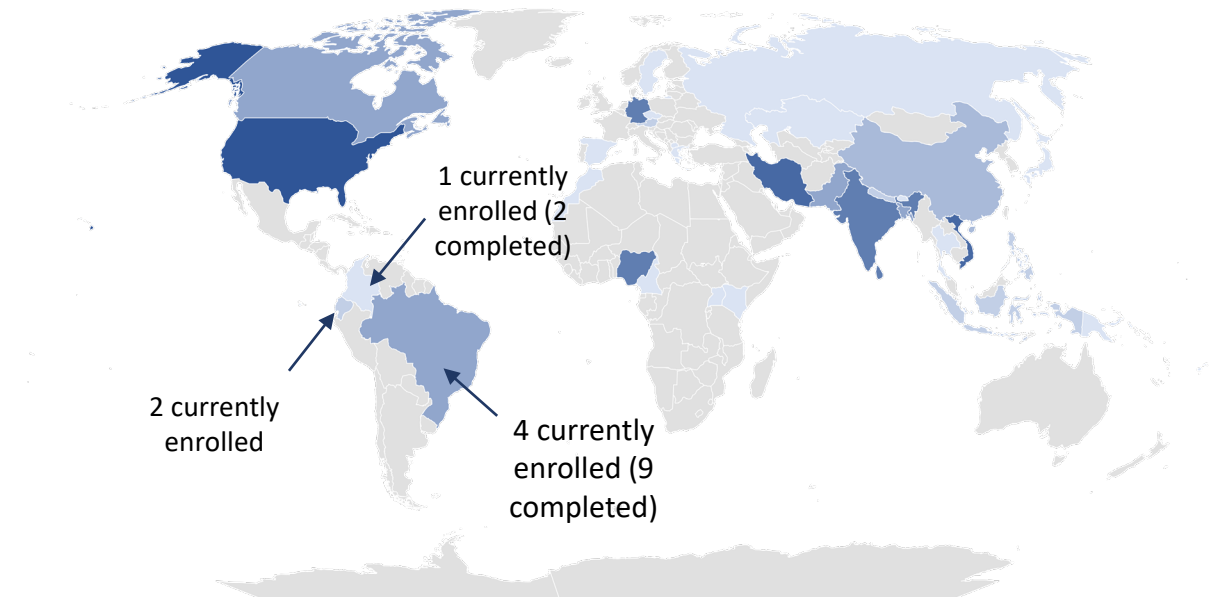
- Health, medicine and wellbeing
- Agriculture, aquaculture and forestry
- Ecology and environment
- Human behaviour, work and society



333
Domestic



102
International



Our aspirations

- Establish new international research partnerships
- Further internationalise our HDR student body
- Foster knowledge exchange with other regional universities and/or university networks
- Explore co-funding arrangements that facilitate new research and support new HDR candidates