

Position Title	Research Fellow
Group/Portfolio	Griffith Institute for Tourism
Classification	Research Fellow Grade 1
Position Number	00064014
Reports To	Prof Susanne Becken
Employment Type	Fixed Term, Full Time 1.0 FTE

1.0 Position Purpose

The Research Fellow position involves contributing to the ARC Discovery Project Extreme Heat in Cities: Co-Developing Just Adaptation for Urban Tourism (**DP260101699**). The successful researcher will work as a member of an interdisciplinary team consisting of leading researchers in climate change, tourism and health.

2.0 Eligibility Requirements

- The occupant of this position will hold a PhD or equivalent qualifications/work experience in a relevant field.

3.0 Key Responsibilities

- Under mentorship and guidance, analyse high-resolution NASA climate data (available open access) to create downscaled climate models for the global Top 100 tourism cities. Calculate heat risk thresholds for visitors and different future time horizons.
- Process local daily climate data from the Bureau of Meteorology and work with remote sensing-derived city heat maps (e.g. using Landsat 8 satellite data) to add spatial layers for tourism activity.
- Under supervision, mine public health data to identify patterns of visitor-related health service usage, spatially and temporally.
- Integrate health data with other relevant datasets, such as spatial heat maps, visitor statistics and other relevant factors.
- Contribute to developing a predictive model for future tourism-induced strains on the health system.
- Further develop an existing publication record in high impact, international, esteemed peer-reviewed journals in collaboration with the researchers in this ARC project.
- Contribute to the Institute/Centre's research projects as appropriate to research skills.
- Manage the preparation and formulation of publications, presentations and research reports arising from the research.

- Be a leading example of the principles and values embodied in the University's Code of Conduct, and behave, act and communicate at all times to reflect fairness, ethics and professionalism.

4.0 Key Capabilities

- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.

To read about some of the non-technical organisation skills for this position, please see the **Leads Self/Others** section of our [Capability Development Framework](#).