1. Introduction
The Queensland Centre for Population Research (QCPR) was established as a School-level Centre within the then School of Geography, Planning and Architecture in September 2001. This report provides a concise summary of Centre activities during the period 2016 to June, 2017.

2. Objectives
QCPR was established to:
- provide a focus for pure and applied research on population-related issues, particularly those relating to Queensland, but also encompassing issues of national and international significance;
- develop and enhance the provision of training in demographic methods and the analysis of population-related issues, within and beyond UQ;
- promote and advance understanding of population dynamics, their origins, processes and implications throughout academia, governments, and the community; and
- serve as a focal point for demographic research at the University of Queensland.

3. Substantive focus
The primary goal was to establish UQ as an internationally-recognised leader in population-related research. From inception QCPR sought to achieve this by focusing on two principal domains:
- the development of population projection and forecasting techniques and models, and
- the analysis of internal migration and population mobility
Over the past seven years, the Centre has expanded the scope of its work to encompass spatial analysis of demographic data, and has adopted a global focus in partnership with leading centres of expertise in Australia, Europe and North America. QCPR undertakes research on a range of population topics including local and regional population dynamics, fertility, household demography, ageing and population estimates. A diagnostic feature of QCPR work is its focus on quantitative modelling.

4. Developments and Issues 2016-2017
Key developments in QCPR during 2016-17 were:
- successful delivery on a range of existing competitive grants (ARC Discovery, DECRA, LIEF, Linkage)
- success in two new ARC Discovery, one DECRA, two Linkage and one LIEF grants
- new staff appointments at postdoctoral fellow and senior research associate level
- appointment of Professor Jonathan Corcoran as director of the Centre
- appointment of Dr Elin Charles-Edwards as the deputy director of the Centre

5. Performance Metrics
- **Staff:** In 2016/17 there were 5 GPEM T&R staff directly associated with the Centre (we count only direct contributors, not distant affiliates); plus 5 fulltime research staff research (fellows, postdocs and research officers); plus 11 part-time RAs.
- **RHD Students:** Centre staff were involved in supervision of 29 graduate students accounting for 21.6 EFTSL
- **Active Research Grants:** Staff directly associated with the Centre were CIs on 13 active research grants with a total (all year) value of $4,756,632.
- **Publications:** staff and students associated with the Centre were authors on a total of 76 refereed outputs published during 2014 or accepted for publication by 18/3/2015
- **Contributions to teaching:** During 2016-17 three research staff of the Centre contributed substantially to teaching in demography in GEOG2001, GEOG2205 and GEOG3205.
- **Engagement:** Centre staff served in key roles on professional bodies in the field and made frequent contributions to public debate with expert commentary on population and planning issues in print and electronic media Australia-wide.


### Indicator | Number | Comments
--- | --- | ---
**Research Output 2016-17 and accepted or published by 12 June 2017**
A3: Edited Books | 2
B1: Chapters in Books | 17
C1: Refereed Journal Articles | 51
K: Other reports | 2

**Research Grants Held**
ARC & Other competitive grants | 14 | Total value (all years): $3,456,632
External research contracts | 1 | Total value: $1,300,000
Internal UQ Grants | 1 | Total value: $20,154
New grant applications submitted 2016-17 | 4 | 2 DP successful; 1 LP successful; 1 DP pending

**Graduate Student Supervision**
RHD students supervised | 30 | 21.9 EFTSL
RHD students submitted/graduated | 2

6. **Finance and Administration**

**Core funding**: During the reporting period, QCPR received no financial support. With the success of a strategic funding request (Transport and Population Research Network - TPRN) in 2016 in collaboration with colleagues from EAIT, BEL and ITEE, QCPR will receive financial support from 2017 for a period of 5 years. This funding support from SEES, Science and the TPRN forms part of a leverage arrangement linked to the Centre’s Collaborative Research Agreement with Queensland Treasury. That CRA has been in place since 2001 and the current agreement covers the period 2017-2021. Under the new CRA, SEES provides QCPR with $30,000 per annum as seed funds to leverage external resources, as follows:

- SEES $30,000
- Faculty of Science $50,000
- TPRN (DVCR) $50,000
- Queensland Treasury $130,000

Total funding to QCPR in 2017 is therefore $260,000 per annum. Expenditure during 2016-17 was devoted to salary expenses for academic ($101,744) and professional ($24,020) staff, and purchase of computing equipment. The Centre receives no other form of support from the School, and is responsible for purchase of all equipment, specialised software, website maintenance, clerical requirements, management and reporting.

**Consultancies**: During 2017 QCPR undertook consultancies to the value of $20,154.

7. **Developments, Plans and Issues for 2017 and Beyond**

**Plans and developments**
- During 2017 QCPR in collaboration with colleagues in the TPRN plans to expand the scope of its activities to encompass work on global city networks, international migration flows and explore research and funding opportunities at the population-transport-health interface.
- QCPR will appoint a Research Fellow (Level B) to assist in Centre Activities and facilitate collaboration with the TPRN.
Appendices

Staff and Visitors

The following staff and students were directly attached to the Centre in 2016-17. Asterisked staff are paid from QCPR core funds, grants and consultancies.

Staff

- Professor Jonathan Corcoran, Director
- Dr Elin Charles-Edwards, Lecturer, Director (Acting)
- Dr Thomas Sigler, Lecturer
- Dr Karen McNamara, Lecturer
- Associate Professor Yan Liu
- Dr Aude Bernard, ARC DECRA Research Fellow
- Mr Jim Cooper, Senior Research Officer*
- Dr Mingjie Sun, Senior research associate*
- Dr Renee Zahnow, Post-Doctoral Research Fellow*
- Dr Sui Tao, Post-Doctoral Research Fellow*
- Dr Francisco Rowe, Post-Doctoral Research Fellow*
- Ms Rachel Clissold, Research Assistant* C
- Mr Anthony Kimpton, Research Assistant* C
- Ms Rosabella Borselino, Research Assistant* C
- Ms Annah Piggott-McKellar, Research Assistant* C
- Ms Lisa Buggy, Research Assistant* C
- Mr Erich Morgenbesser, Research Assistant* C
- Mr Sivakumar Senthilkumar, Research Assistant* C
- Mr Jose Tomas Videla, Research Assistant* C
- Ms Mo Reilly, Research Assistant* C
- Mr Alexander Whitehead, Research Assistant* C
- Emeritus Professor Martin Bell
- Dr Iraphne Childs, Adjunct Lecturer

Research Higher Degree Students (PhD) (per cent in QCPR)

- Ayodeji Adeyini (60%)
- Nayef Alghais (20%)
- Jillian Ash (100%)
- Ingrid Baker (100%)
- Long Cheng (80%)
- Kirsty Chesser-Brown (30%)
- Gillian Cornish (100%)
- Paul Evans (100%)
- Nicole Garofano (100%)
- Jason Hilder (100%)
- Guy Jackson (100%)
- Anurodh Khanal (100%)
- Anthony Kimpton (100%)
- Ying Li (25%)
- Rachel Long (100%)
- Sirat Mahmuda (100%)
- Jasmine Pearson (100%)
- Annah Piggott-McKellar (100%)
- Michelle Sydes (20%)
- Trung Tran (100%)
- Ming Wei (100%)
- Amirulikhsan Zolkafli (60%)
- Siqin Wang (100%)
- Yasa Belmar (leave)
- Sarah de Vries (leave)
- Kiran KC (100%), PhD Awarded April 2017
- Agung Wahyudi (80%), PhD, Awarded April 2017
- Adrian R. Ward (10%). PhD Awarded July 2016
- Rodrigo Carvalho (20%), PhD, University de Minas Gerais, Brazil

**Visitors**
- Dr Nik Lomax, University of Leeds, United Kingdom
- Associate Professor Yongjiu Feng, Shanghai Ocean University, China
- Associate Professor Yuhong Shan, Central China Agricultural University, China
- Associate Professor Xiong He, Zhongnan University of Economics and Law, China
- Dr Bin Xie, Hangzhou Normal University, China
Research Projects Current During 2016-17

Projects conducted within the Centre and by staff associated with the Centre which were active over the period 2016 to June, 2017 are listed below.

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Title</th>
<th>Funding Agency</th>
<th>Total Funding</th>
<th>Researchers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2021</td>
<td>Collaborative Research Program</td>
<td>Queensland Treasury Office of Economic and Statistical Research &amp; UQ</td>
<td>$1,300,000</td>
<td>J. Corcoran</td>
</tr>
<tr>
<td>2016-2020</td>
<td>ARC DECRA (2016-2020) (DE160101574) ‘Understanding the long-term decline in internal migration.’</td>
<td>ARC DECCRA</td>
<td>$375,000</td>
<td>A. Bernard</td>
</tr>
<tr>
<td>2014-2017</td>
<td>Physical and socio-structural barriers and facilitators of neighbourhood networks and cohesion</td>
<td>ARC DP</td>
<td>$295,000</td>
<td>J. Corcoran, R. Wickes, J. Hipp</td>
</tr>
<tr>
<td>2017-2020</td>
<td>The globalisation of the resources sector(s) in Australian cities</td>
<td>ARC DP</td>
<td>$224,000</td>
<td>M. Tonts, B. Derudder, T. Sigler, K. Martinus, G. Searle</td>
</tr>
<tr>
<td>2017-2020</td>
<td>New approaches to modelling human-environment interactions for sustainable coastal city development: spatial complexity, cellular automata and agent based models.</td>
<td>ARC DP</td>
<td>$308,000</td>
<td>Y. Liu, G. Searle, Y. J. Feng, M. Batty</td>
</tr>
<tr>
<td>2015-2018</td>
<td>Un-neighbourliness: The nature, causes and outcomes of problems between neighbours.</td>
<td>ARC DP</td>
<td>$186,000</td>
<td>L. Cheshire, R. Fitzgerald, Y. Liu</td>
</tr>
<tr>
<td>2017-2019</td>
<td>Optimising community-based climate change adaptation in the Pacific Islands.</td>
<td>ARC LP</td>
<td>$180,098</td>
<td>K. McNamara, P. Nunn and J. Watson</td>
</tr>
<tr>
<td>Year</td>
<td>Project Title</td>
<td>Funding Authority</td>
<td>Amount</td>
<td>Personnel</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>2016-2017</td>
<td>Assessing climate change vulnerability and adaptation in the Maldives.</td>
<td>UNDP</td>
<td>$34,600</td>
<td>K. McNamara</td>
</tr>
<tr>
<td>2016-2018</td>
<td>The role of spatial planning towards better resilience to hydro-meteorological hazard. Case study: Coast area of Semarang City.</td>
<td>Ministry of Research, Technology, and High Education, Indonesia</td>
<td>$54,000</td>
<td>I. Buchori, Mussadun, A. Sugiri, D. Wadley, Y. Liu</td>
</tr>
</tbody>
</table>
### Publications 2016 and accepted June 2017

#### Books

2. Wilson, T, **Charles-Edwards, E** and Bell, M (2016), (eds), *Demography for Planning and Policy: Australian Case Studies*, Heidelberg, Springer

#### Book Chapter

13. Pullar D, **Bell M, Cooper J**, Stimson R, **Corcoran J.** (2016) ‘Forecasting Patterns of Metropolitan Growth Using an Optimised Allocation Procedure’ in Demography for Planning and Policy: Australian case Studies (pp. 109-129), Springer International
15. **Sigler, Thomas J.** and Zhao, Simon X. B. (2016). Hong Kong as an offshore trading hub. In Bart


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**Journal Article**


35. McNamara KE, Westoby R and Smithers SG (accepted) ‘Identification of limits and barriers to climate-change adaptation: Case study of two islands in Torres Strait, Australia’, Geographical Research


and Southeastern Europe Share a Common “Cycling Mindset”? Comparative Analysis of Beliefs toward Cycling in the Netherlands and the Balkans. EJTIR, 17(1), 25-45.