



ENRICHING COMMUNITIES THROUGH INTERNATIONALISATION: --- **THE NEW ZEALAND PHD STRATEGY**

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The University of Auckland
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Today we will review:

- Analysis undertaken by the **University of Auckland** on the **impact** of the **NZ international Ph.D. tuition strategy***
- Report on subsequent **government data** on the **stay rates** of international students compared to domestic graduates
- Literature on the **value of international graduates to communities** and domestic economies



*Berquist, B. 2017 *New Zealand's International Ph.D. Strategy: a holistic analysis 2005-2015.*

The University of Auckland

<https://bit.ly/2ryMbPM>

Note: this has been adapted from B. Berquist's AIEC 2016 presentation





125,392
international students

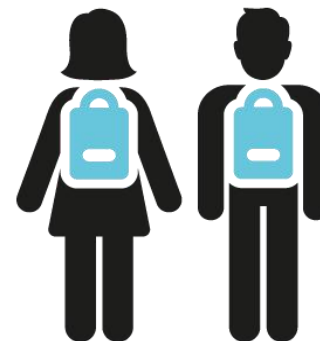
125,392 international students
studied in New Zealand in 2017.

Source: Education New Zealand 2018



NEW ZEALAND

1ST



**IN THE WORLD FOR PREPARING
STUDENTS FOR THE FUTURE**

New Zealand ranks 1st out of 35 economies
across 16 indicators, which cover education
policy, teaching environment and social-
economic environment for education
between 15 and 24 years.

Source: 2017 Worldwide Educating for the Future Index,
Economist Intelligence Unit, Yidan Prize Foundation

RESEARCH QUESTIONS



1. Has this strategy increased international doctoral **enrolments**?
2. Has it enhanced our **research** output?
3. Has it contributed to the **innovation economy**?

THE POLICY

Announced by the Labour government in April 2005

Tuition Fees

Domestic tuition fees for int'l PhD students – decreased from \$20k to \$3k per year

Full work rights for PhD students

PhD students can work full-time for any employer in New Zealand

Full work rights for spouses

Spouses/partners are granted Work Visas and can work full-time for any employer in NZ

Free School for dependents

Dependent children of Work Visa holders are regarded as domestic students – no tuition fees



Trevor Mallard
Minister of Education
(1999-2005)

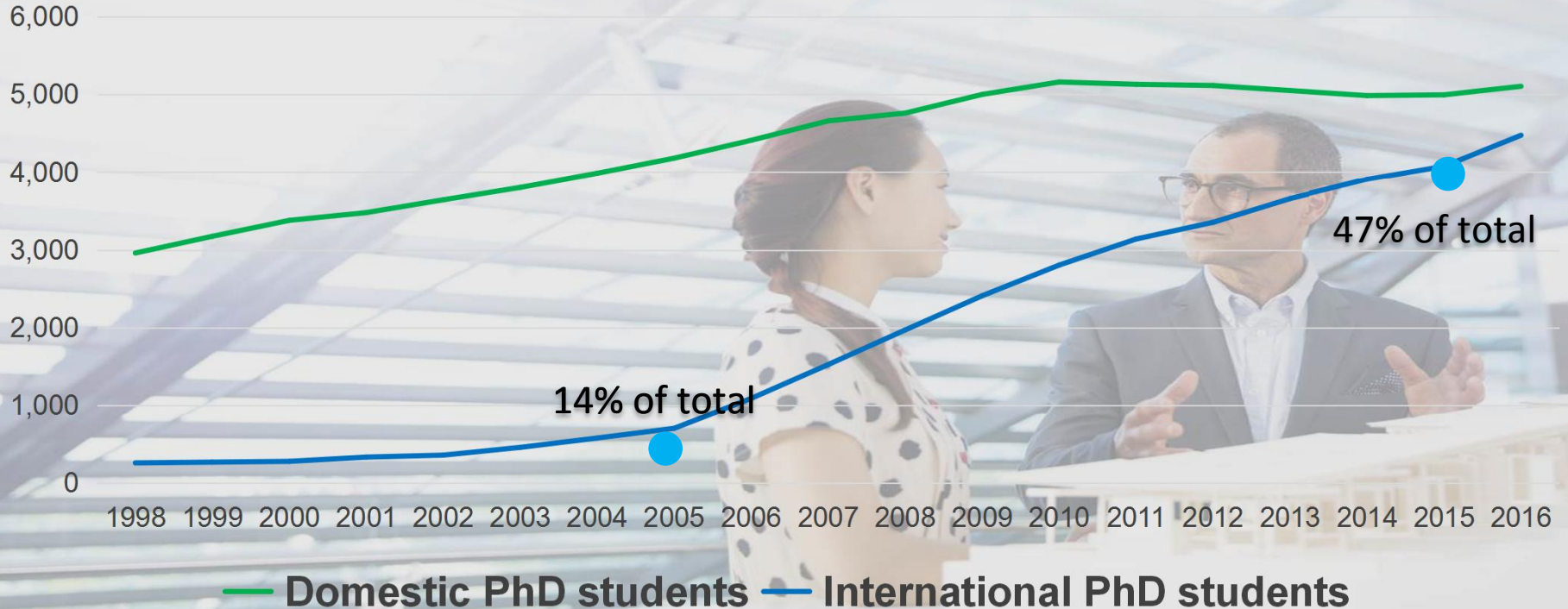
*"This initiative is designed to **lift the quality of research in New Zealand and improve the long-term links between our universities and international research institutions** around the world.*

*"There will be direct benefits to universities, particularly as it will help **raise the quality and output of academic research**. Some of these students may want to stay on and **work in New Zealand when they have finished their studies, which will also significantly raise our research and educational capabilities.**"*

(Mallard, Press Release, 3 June 2005).

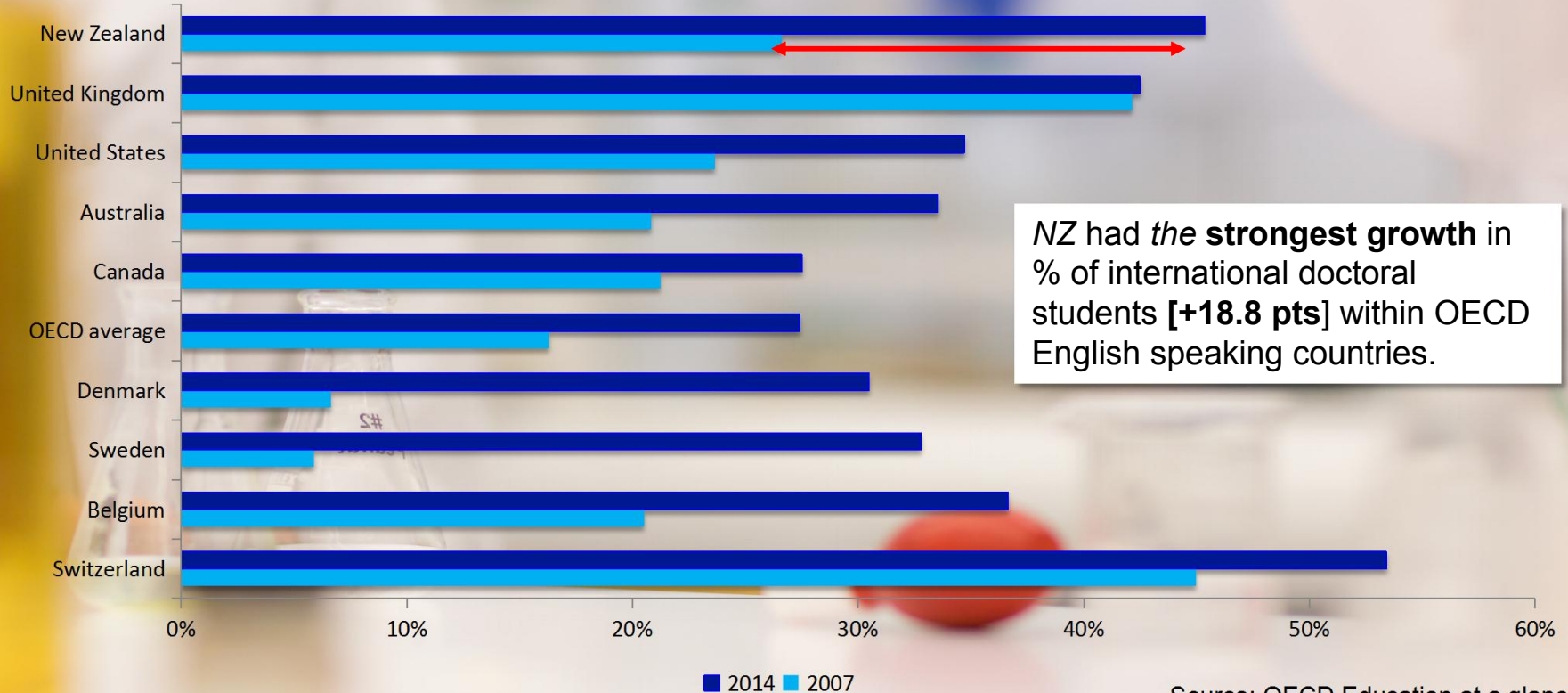
Enrolments

NZ PhD enrolments 1998-2016



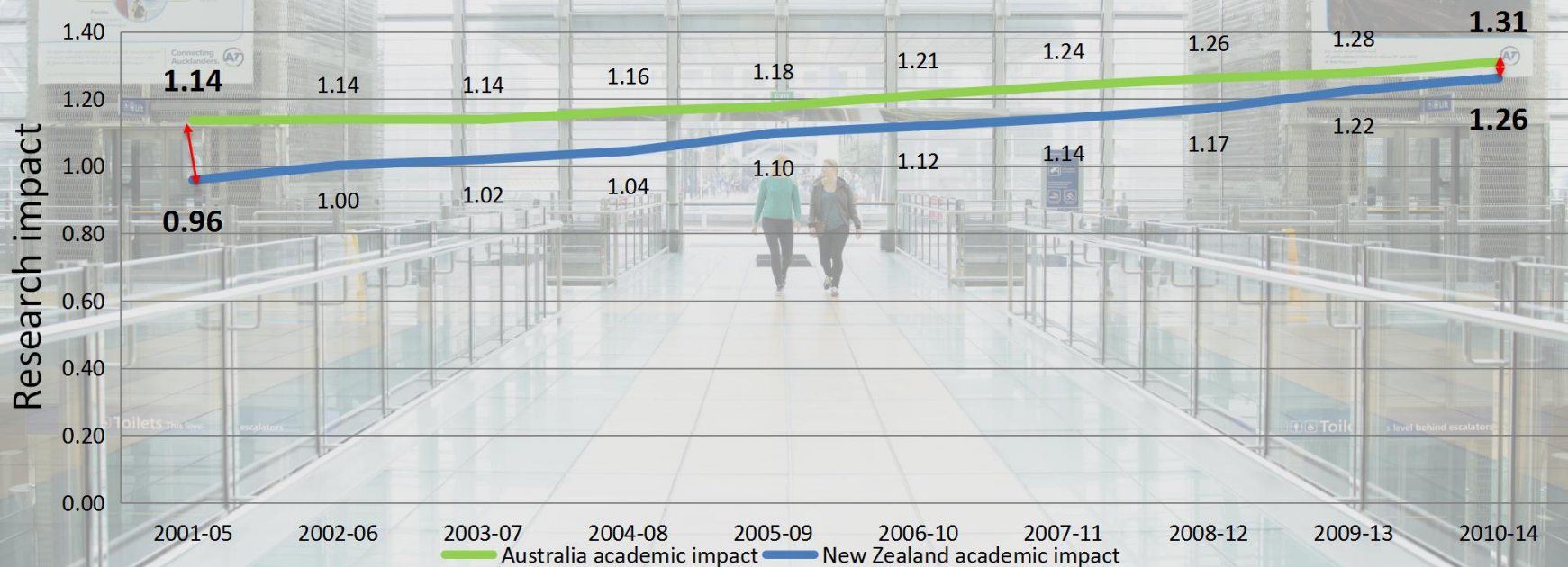
Comparison

% of doctoral students international



RESEARCH IMPACT

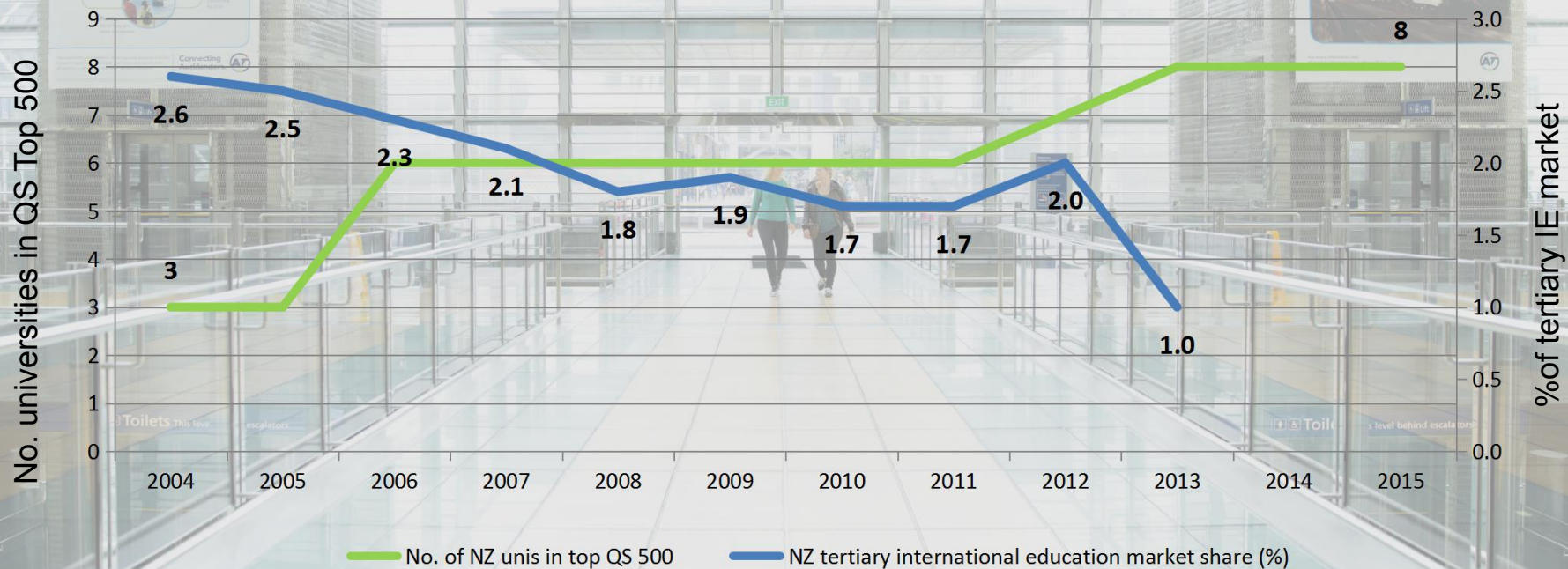
Academic impact of Australasian universities



Source: Ministry of Education; OECD Education at a glance

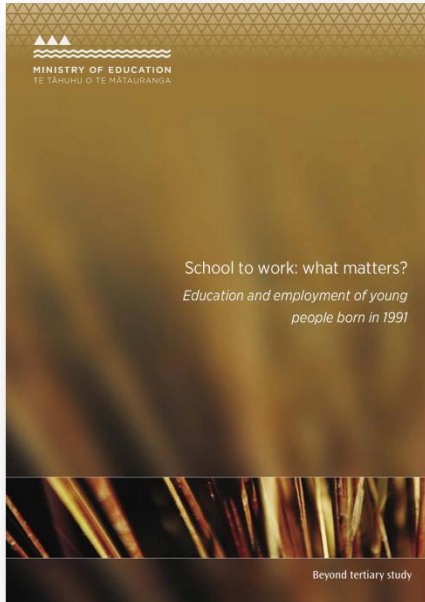
RESEARCH IMPACT

Academic impact of Australasian universities



Source: Ministry of Education; OECD Education at a glance

INTERNATIONAL PHD STUDENTS AFTER GRADUATION



*School to work: what matters?
Education and employment of
young people born in 1991*

“As well as strengthening our education system, international education is expected to contribute to our goals for research, innovation, trade and tourism. International education also **encourages the immigration of highly skilled people**, and helps to grow links with our major trading partners in Asia, Europe and the Pacific. These links are crucial to our ongoing success.”

“Immigration policies can encourage the entry of students into high quality courses which equip graduates to take up **genuine skilled work opportunities after completion**. The need for such young and skilled migrants is expected to continue... [...]”

Government Leadership Statement for International Education 2011

METHODOLOGY

Cohorts	Years post study	Tax years
2010 and 2011	1	2012 and 2013
2009 and 2010	2	2012 and 2013
2008 and 2009	3	2012 and 2013
2007 and 2008	4	2012 and 2013
2006 and 2007	5	2012 and 2013
2005 and 2006	6	2012 and 2013
2004 and 2005	7	2012 and 2013
2003 and 2004	8	2012 and 2013

Cross-reference:

- International student visa
- Single Data Return (SDR)
- Tax returns
- Benefits register

Added 2 cohorts Dec 2017
n=171,305

RESULTS

TALENT ACQUISITION

Stay-rate after graduation

- ✓ 41% stay in NZ 1st year
- ✓ 25% in NZ 5th year

Employment in NZ

(PhD grads <30)

- ✓ 48% 1st year
- ✓ 16% 5th year

Source: Moving Places 2017

Overall International Students STAY RATE:
NZ 30% 5 yrs post-degree (MBIE 2015)
OECD 2011 average 25%

Staff Survey 2017 – The University of Auckland

- 5,000 staff / 42,000 students
- 36% of UoA staff holds another nationality
- over 120 nationalities
- About 50% of PhD candidates are from overseas



RESULTS: AFTER 10 YEARS



Enrolments

Highest % int'l PhD of English speaking study destinations

Rankings

Maintained and strengthened:

- University of Auckland #85
- All NZ universities in top 3% (QS 2019)

Economy

- 1 in 4 int'l doctoral graduates remain in NZ
- 5yrs high employment rate

INGENUITY

Challenging the status quo with original and bold solutions.



#1

out of 190 economies of
**EASE OF DOING
BUSINESS¹**



5th

in Asia-Pacific for
INNOVATION²



3rd

out of 139 nations for
GLOBAL CREATIVITY³

1. IFC World Bank, *Doing Business Report*, 2018

2. INSEAD Business School, *Global Innovation Index*, 2017

3. Martin Prosperity Institute, *Global Creativity Index*, 2015

CONTRIBUTING TO THE INNOVATION ECONOMY



The Photon Factory
Developing DVD technology set to revolutionise the dairy industry

Brazilian-born Matheus is in his final year of his PhD through the School of Chemical Sciences at the University of Auckland, and has already developed some of the most advanced milk analysis the country has seen – a huge advancement for the dairy industry.



*Doctoral candidate Matheus Vargas
with Professor Cather Simpson*

