

The Role of Universities in Helping to Create Melbourne's Future

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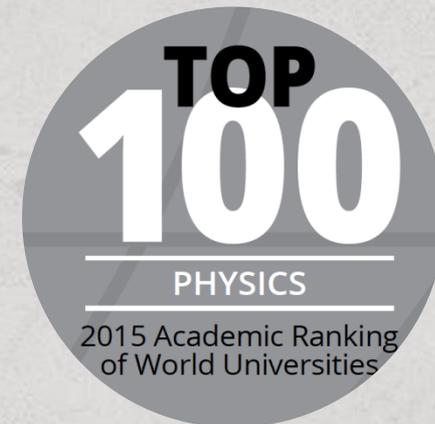


About Swinburne

- Established in 1908, granted university status in 1992
- Based in Melbourne's east – Hawthorn, Croydon, Wantirna
- Campus in Sarawak, Malaysia
- Focus areas:
 - Science, Engineering and Technology
 - Business and Law
 - Health, Arts and Design
 - Trades



A world-class university



Globally connected

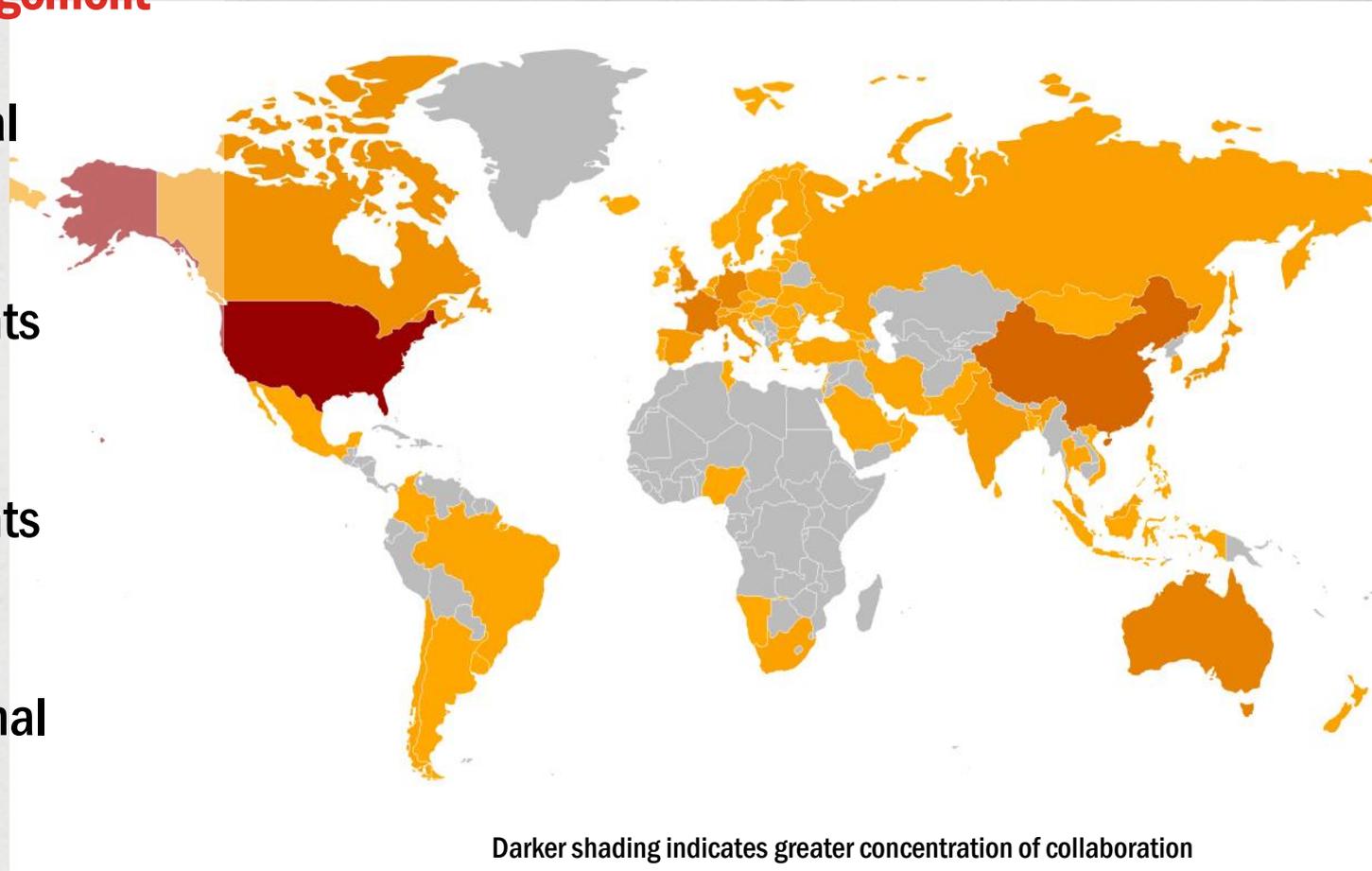
International engagement

1,000 international agreements

290 staff & students inbound

280 staff & students outbound

>4,000 international students



* 2015 figures, to nearest 10

Committee for Melbourne Taskforce: Melbourne 4.0

- Most substantial taskforce since 'Melbourne Beyond 5 Million'
- Develop clear understanding and shared language around long-term future economic development of Greater Metropolitan Melbourne
- Move beyond traditional, linear thinking
- Introduce clever and innovative approaches to transform the way we position Melbourne for a changing future
- Produce credibly informed policy options

The transformation of tertiary education

- Sector growth
- Increasing diversity
- Digital transformation

Growth of the education sector

- Significant growth over the past 50 years, within Australia and around the world
- Globally, enrolments have doubled over the past 15 years
- By 2025, it is expected that 267 million people will be enrolled in higher education globally



Growing demand for international education

Proportion of international students enrolled at Australian universities

- 1988: 4 per cent
- 2016: 25 per cent

Number of agreements with international universities

- 1990: 220
- 2014: 8,500



Improved gender diversity

Gender breakdown of students enrolled in higher education

- 1950: 22 per cent women
- 2012: 56 per cent women



Developing University 4.0: collaboration and innovation for the future

- Investing in diversity
- Digital education: online, mobile
- New courses: working with industry to create talent pool
- New facilities: technology + collaboration
- Collaboration: maintain and deepen partnerships

Investing in diversity



- Senior responsibility and accountability
- Specific employment strategies
- Employment conditions
- Participation in equity and diversity initiatives
- Training and development
- Celebrating a culture of respect

Swinburne Online



- Launched 2011
- ‘High touch’ model
- Rapid growth
- Working adults, regional, low SES, first in family
- Higher Ed, Vocational Ed, International

Quitch mobile app



- Developed 2015
- Every day, 1 question, 1 minute
- Immediate feedback for student and lecturer
- 12% increase in student retention
- 7% increase in academic performance
- 45 partners globally, 7 secondary schools

New courses and programs

- Digital Advertising Major with Adobe
- Industry 4.0 Apprenticeships
- Australian Graduate School of Entrepreneurship
- Swinburne Advantage



Facilities for collaboration

- Australian Manufacturing and Design Centre (AMDC) - a new home for design and innovation
- Advanced Technologies Centre (ATC) - multi-disciplinary platforms for research and teaching
- Specialist facilities for leading-edge research



Research focus: social and economic impact

Institutes in key focus areas

Data Science

Health Innovation

Smart Cities

Social Innovation

Manufacturing Futures

Participation in interdisciplinary projects

Research Centres

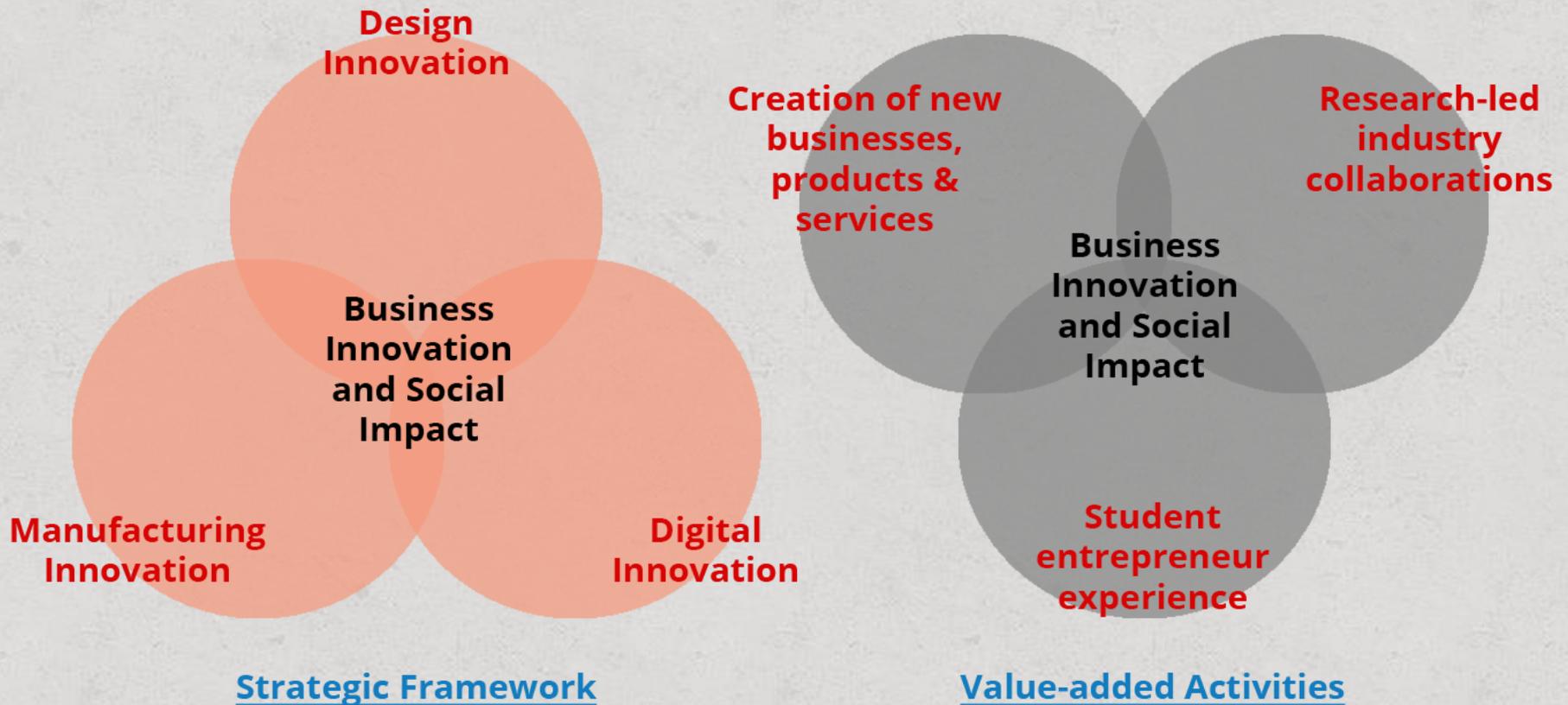
Digital Research & Innovation Capability Platform

Big Data, Data Analytics, Software Innovation, Cybersecurity, Advanced Visualisation, Automation, Internet of Things

Swinburne Innovation Precinct

Design Factory Melbourne, Business Incubator and Accelerator, Factory of the Future, Digital Innovation Lab, Swinburne Ventures

Innovation Precinct: a whole of university approach



Example: Bondi Labs partners with Swinburne

- In partnering with a start-up like Bondi Labs, Swinburne can do things differently.
- Bondi Labs and Swinburne will work together to support the use of game-based learning in the health industries.
- Swinburne provides an evidence base to new developments, built on a deep, research-based understanding of community needs.
- Bondi Labs helps Swinburne think like a start-up.
- Student placements included.

We cannot predict the future, but we can invent it.

