

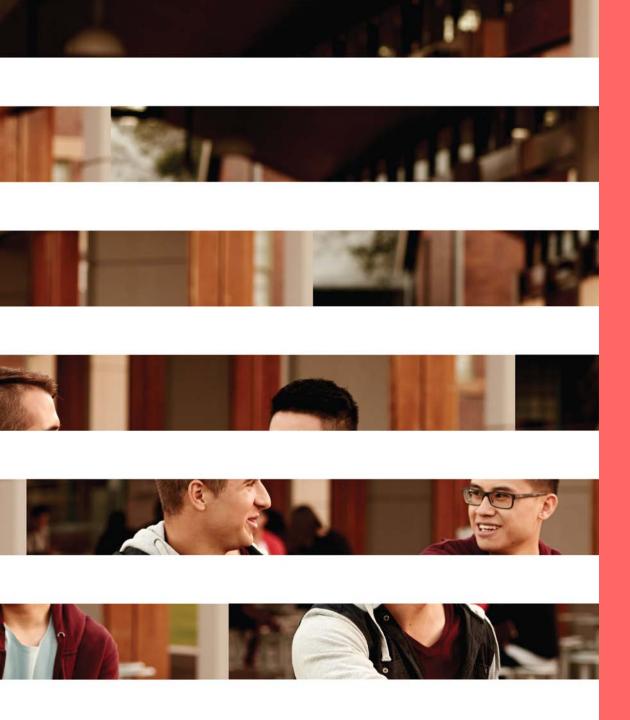
Professor Deborah Sweeney

PRO VICE-CHANCELLOR, Research and Innovation

A presentation to AAUN

W

5th September 2016



Top 3%

160 NATIONALITIES

45,000

STUDENT NUMBERS WILL SOON EXCEED 50,000

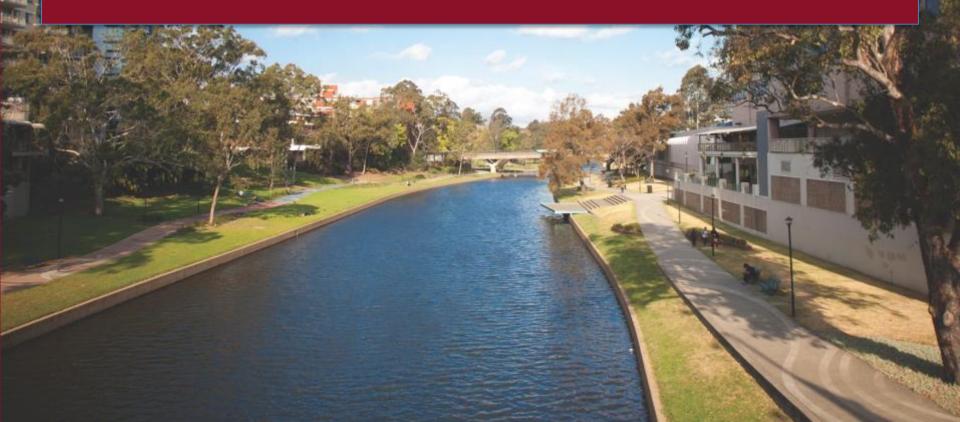
4,500 INTERNATIONAL STUDENTS FROM 130 COUNTRIES

8 campuses 10

SCHOOLS

Greater Western Sydney

Population	Government	Government	Area
2.02 million (June 2011)	14 local government areas	Third largest in Australia	9000 square kilometers
Over 100 nationalities	23 state government electorates	Economic output \$95.6 billion	Sydney Olympic Park to Blue Mountains
	7 federal electorates	161,000 businesses (2011)	Unique flora fauna







Structure and Schools Western Sydney University

The College

Academic Pathways English Language Programs

Ten Schools

– The Whitlam Institute

Five Research Institutes

- Business
- Computing, Engineering and Mathematics
- Education
- Humanities and Communication Arts
- Law
- Medicine
- Nursing and Midwifery
- Science and Health
- Social Sciences and Psychology
- Graduate Research School

4 Research Themes

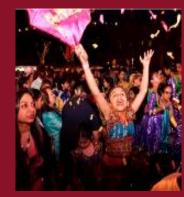
Health and Wellbeing; Environmental Sustainability

Education and Aspirational Change; Urban Living and Society

5 Research Institutes







MARCS H Institute For Brain, Behaviour E and Development

Hawkesbury Institute for the Environment Institute for Culture and Society

Parramasala Image © Cynthia Sciberras Translational Health Research Institute Australia

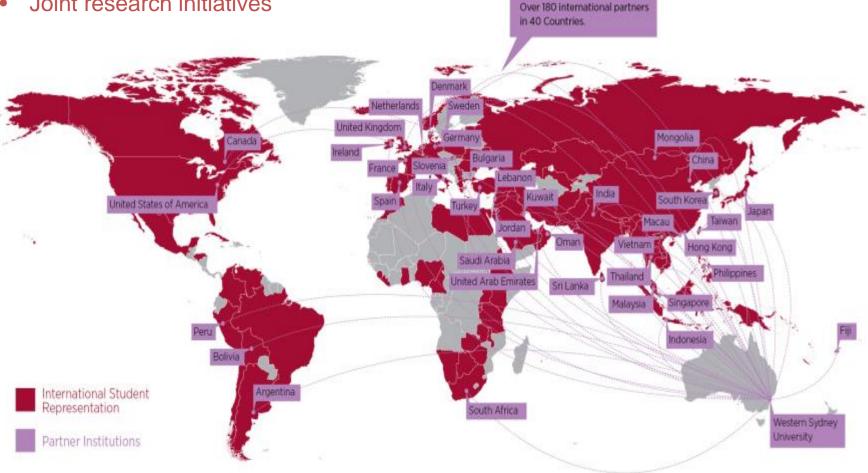
Australia China Institute for Art and Culture

> Image Jason Wing



PARTNER INSTITUTIONS

- Over 180 international existing partners in 40 countries
- Collaborative agreements
- Exchange students and staff
- Academic cooperation
- Guaranteed admissions and articulation
- Joint research initiatives



Fungal Farmers in Australian Trees

Diagnostics & Species discovery

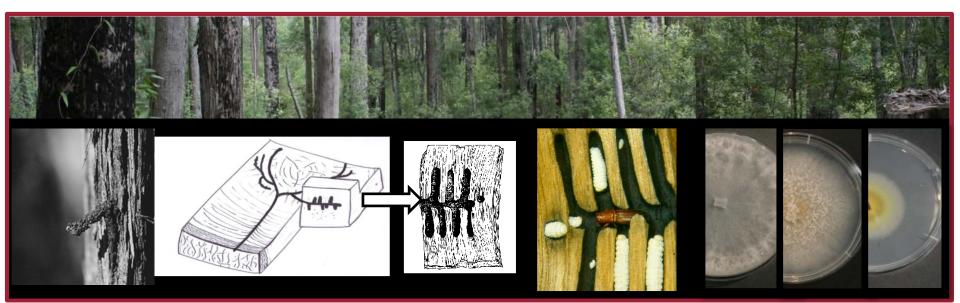
Characterisation of Australian ambrosia beetles and their fungal associates Development of tools for the identification of the native beetle fauna

Managing risks & novel biosecurity threats

Inventory and taxonomic revision of Australian native ambrosia beetle fauna Identification of critical pests and potential threats to natural resources and commercial interests

Team

Riegler, Smith (HIE-Western Sydney); Deborah Kent (retired expert from NSW DPI); Mike Wingfield (University of Pretoria); Jiri Hulcr (University of Florida); Christian Stauffer (BOKU-Vienna)







Hawkesbury Institute for the Environment

Fruit Fly Biosecurity Innovation

ARC Industrial Transformation Training Centre

Research into fruit fly ecology, behaviour and physiology Development of diagnostics Novel and environmentally friendly management strategies





Australian Government

Australian Research Council

Team

Phil Taylor et al. (Macquarie University), Tony Clarke et al. (Queensland University of Technology), Markus Riegler et al. (HIE-Western Sydney), industry partners (CSIRO, NSW DPI, QDAF, Ecogrow)



University

Hawkesbury Institute for the Environment

Pollination Biology Research

Role of native bees in pollination

Floral resources diversity

Impact of climate change on pollinators and pollination

Bee health, parasites and diseases

Team:

James Cook et al. (HIE-Western Sydney), Partners (Syngenta, Croplife, Bayer, Greening Australia, AICRP and Indian research organisations).







Hawkesbury Institute for the Environment

Greenhouse Research, Education and Training Facility

The cutting edge design and technology (Wagen ingen UR, The Netherlands) 1,728 sqm facility– 48 m by 36 m

Control of temperature, humidity, CO2 and light Test multiple conditions affecting the growth of plants, while at the same time lowering energy and water use

Collaborations with the protected cropping industry: *tomatoes, capsicum, eggplant, lettuce, strawberry and cut flowers.*







Hawkesbury Institute for the Environment

