



Flinders
UNIVERSITY

Schools' Professional Development Day



Overview of day

8:45am-10:25am	New Courses
10:25am- 10:55am	Morning Tea
10:55am-12:30pm	New Courses cont.
12:30pm-1:10pm	Lunch (optional tour of Student Hub and Plaza)
1:15pm-2:35pm	Workshops
2:35pm-2:50pm	Workshops wrap-up
3:00pm	Event concludes, optional tour of Student Hub and Plaza, on-campus accommodation

Wifi access

1/ Connect to “Flinders Conference” wireless SSID

2/ Code = greensea41

RECENT ACHIEVEMENTS

50 YEARS
OF CREATIVE ARTS

EDUCATION

PROFESSOR DEREK CHEW
MENTOR
OF THE YEAR 2017

Royal Australasian College of Physicians



7 WEEK PLACEMENT OPPORTUNITY IN CONGRESS THROUGH WASHINGTON INTERNSHIP PROGRAM

- Senior award winner Young Playwright Award 2016
(PhD candidate Peter Beaglehold)
- World class Nursing research
(Nursing research rated above worked standard by ERA rankings 2015)
- World class Health research
(92% of discipline groups in medical and health sciences rated at or above world standard by ERA rankings 2015)

- 40 years of Social Work education
- 2016 Accounting Student of the year
(Accountants Daily Australian Accounting Awards)
- Home to Australia's first postgraduate course in rural education
- 5 Psychology academic and emeritus staff selected fellows of The Academy of Social Sciences in Australia
- 2016 winner Alby Jones ACEL SA Fellowship Award

2016
INDIGENOUS
STUDENT
OF THE YEAR




SA TOURISM
**STUDENT
OF THE YEAR**
-2016-


SOUTH AUSTRALIAN
HISTORIAN
OF THE YEAR
-2017-

History Council of South Australia



**School leavers' selection of
Flinders across all preferences
has grown by**

59%

since 2009

Source: Final SATAC Applications 2009-2017 semester one admission periods

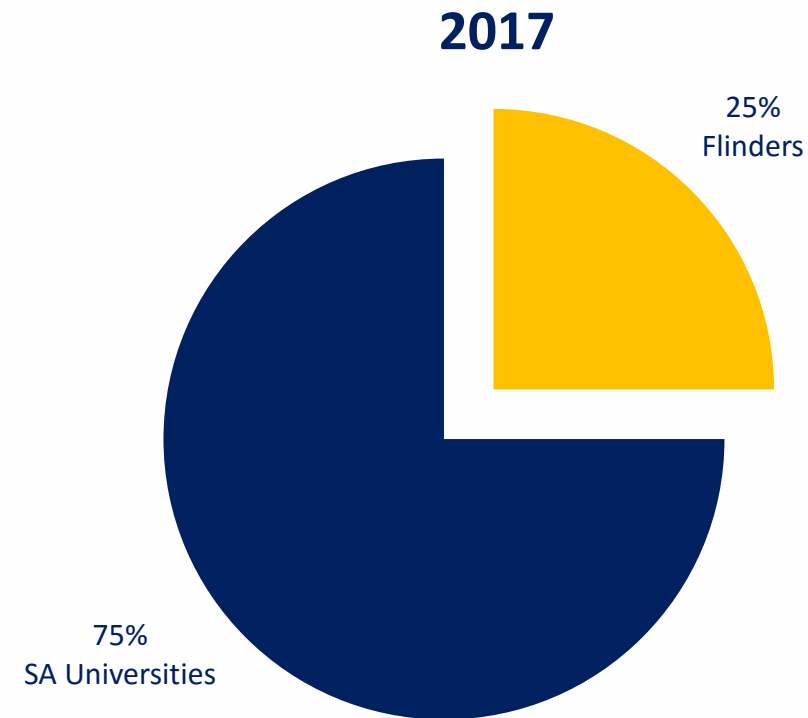
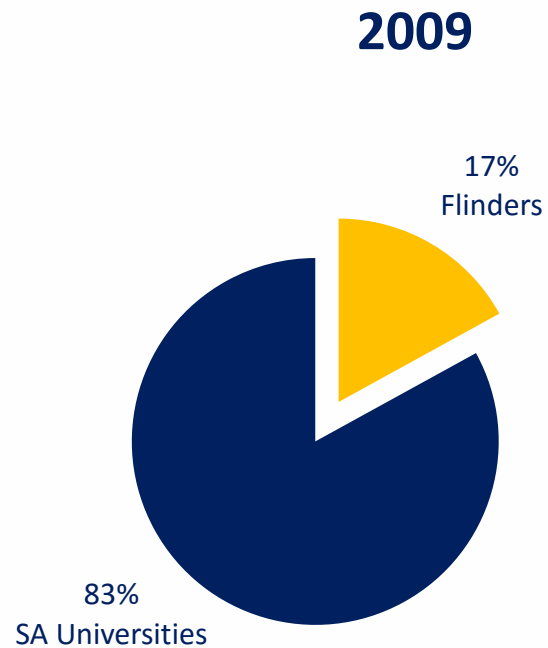
Flinders **first preferences for
school leavers has grown by**

68%

since 2009

Source: Final SATAC Applications 2009-2017 semester one admission periods

Share of school leavers **first** preferences



Source: Final SATAC Applications 2009-2017 semester one admission periods

**New courses introduced
in 2017 had 388
first preferences**

Flinders student population

16,239²⁰⁰⁷

2016
25,184

Source: Flinders Business Analytics at 2/6/17


Change of Name

- Justice & Society >> Law & Society
- Justice & Society (Criminology) >> Criminology
- Environment >> Science (Environmental Science)

Not offered in 2018

- Science (Clean Technology)
- Science (Science Policy & Communication)
- Engineering (Agricultural & Biosystems) (Honours)

Open Days 2017



Flinders
UNIVERSITY

OPEN DAYS
FRI 18 & SAT 19 AUGUST
FLINDERS.EDU.AU/OPENDAYS

FEATURING

- SCIENCE & ENGINEERING
- ESCAPE ROOM
- INFORMATION sessions
- CAMPUS TOURS
- VIRTUAL FASHION PARADE
- JUMP TEST
- & MUCH MORE...

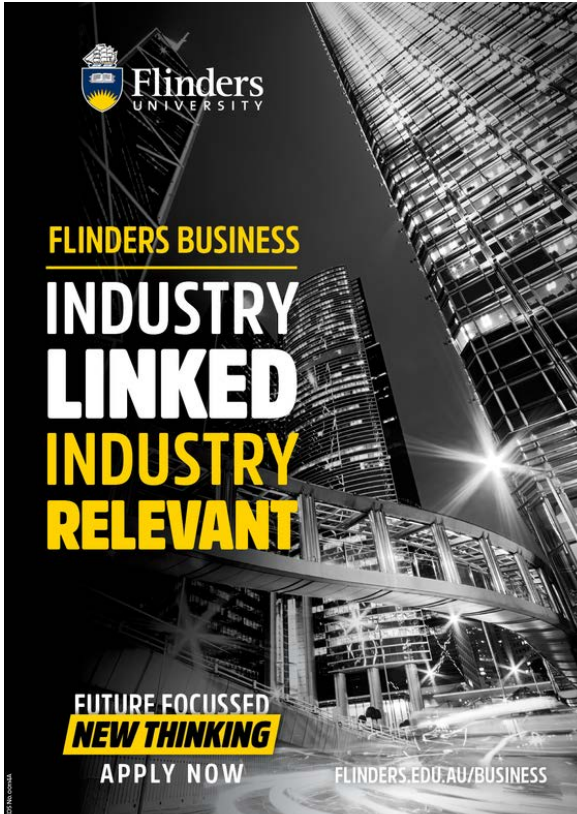



 **Flinders**
UNIVERSITY

FLINDERS BUSINESS
CHALLENGE THE
RULES
CHANGE THE
GAME

INNOVATIVE COURSES
NEW THINKING
APPLY NOW

FLINDERS.EDU.AU/BUSINESS





 **Flinders**
UNIVERSITY

FLINDERS BUSINESS
INDUSTRY
LINKED
INDUSTRY
RELEVANT

FUTURE FOCUSED
NEW THINKING
APPLY NOW

FLINDERS.EDU.AU/BUSINESS



 **Flinders**
UNIVERSITY

FLINDERS BUSINESS
CREATING THE
CAREERS OF
TOMORROW

INNOVATIVE COURSES
NEW THINKING
APPLY NOW

FLINDERS.EDU.AU/BUSINESS



 **Flinders**
UNIVERSITY

FLINDERS BUSINESS
THE BUSINESS
OF CHANGE
MEANS
CHANGING
BUSINESS

BUSINESS **REIMAGINED**
APPLY NOW

FLINDERS.EDU.AU/BUSINESS

- Communication and Professional Writing
- Business (Marketing)
- Business (Management)
- Psychological Science
- Letters (Health)

GO THE DISTANCE — **IN SPORT** —

A vertical poster for Flinders University's sport degrees. The background is a black and white photograph of a swimmer underwater, with their arms raised and water splashing around them. The Flinders University logo is in the top left corner. The text 'FLINDERS DEGREES IN SPORT' is in a small, sans-serif font. Below it, 'GO THE DISTANCE' is written in large, bold, yellow, italicized capital letters. To the right of this, a list of degree programs is listed in a small, sans-serif font. At the bottom, 'GO BEYOND' is written in bold, yellow, italicized capital letters, with a yellow arrow pointing right. Below that is the website 'FLINDERS.EDU.AU/SPORT'.

 **Flinders**
UNIVERSITY

FLINDERS DEGREES IN SPORT

GO THE DISTANCE

EXERCISE PHYSIOLOGY
EXERCISE SCIENCE
HUMAN NUTRITION
PHYSIOTHERAPY
SPORT/COMMUNICATION
SPORT/HEALTH
SPORT/MANAGEMENT
SPORT/MARKETING
SPORT/PSYCHOLOGY
SPORT/TEACHER EDUCATION

GO BEYOND

FLINDERS.EDU.AU/SPORT

- Costume Design
- Creative Writing
- Dance
- Digital Media
- Drama
- Fashion
- Media Arts
- Screen
- Visual Arts



Prospective Students Office



Jarrad



Laura



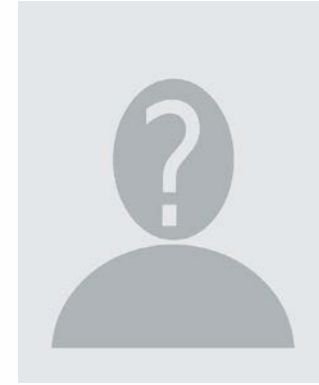
Chelsea



Philip



Nicolle



TEL: 08 8201 5322

E: schools@flinders.edu.au

New Student Advisor

Nicole Liebelt

T:

(08) 82017934

E:

Nicole.liebelt@flinders.edu.au



2018 COURSE GUIDE



Criminology

Associate Professor David Bright

Brokerage and triads: The building blocks of dark network formation

David Bright, Flinders University

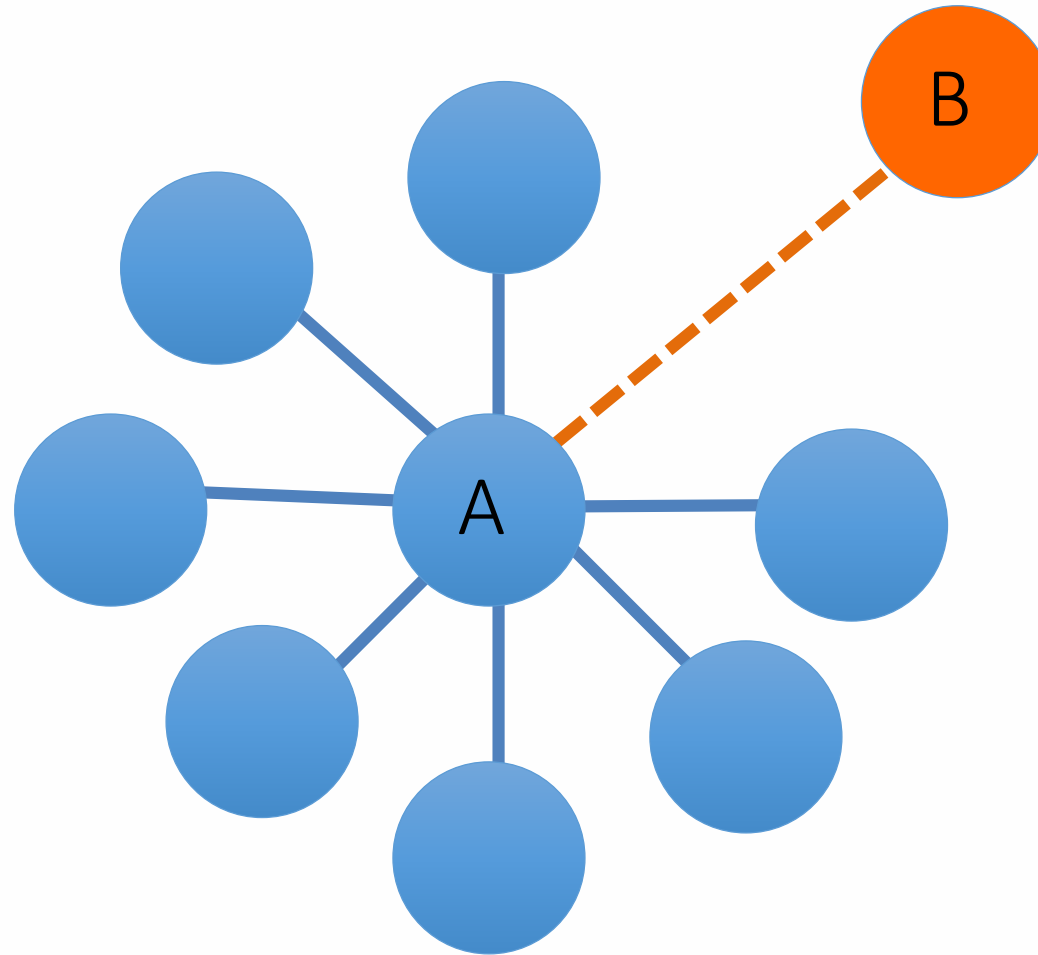
Johan Koskinen, The University of Manchester

Aili Malm, California State University (Long Beach)

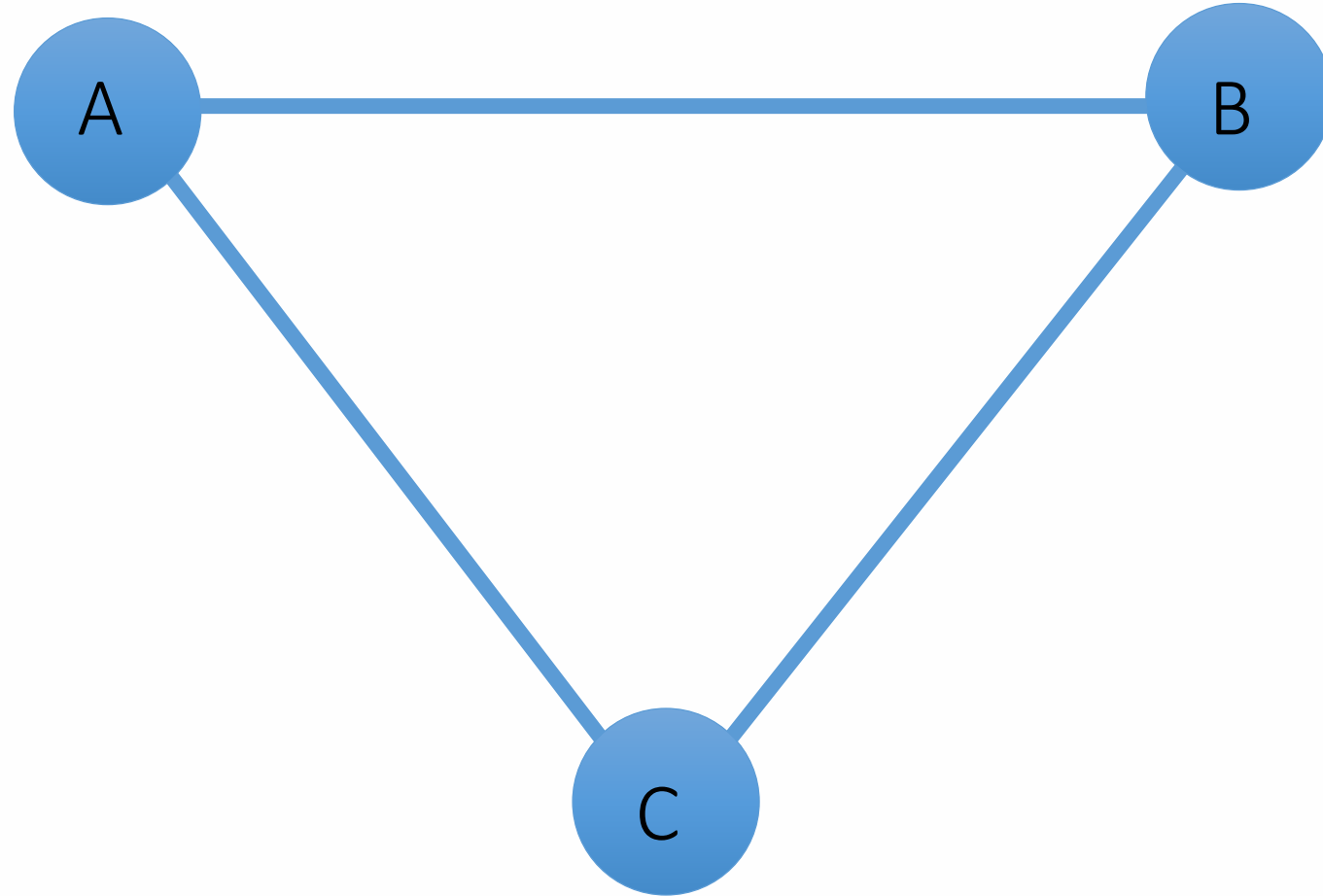
Cross sectional vs longitudinal analyses

- Cross-sectional
 - Dynamic processes observed indirectly
 - Data quality problems
- Longitudinal
 - Exploration of social processes
 - Data quality problems exacerbated

1. Preferential attachment



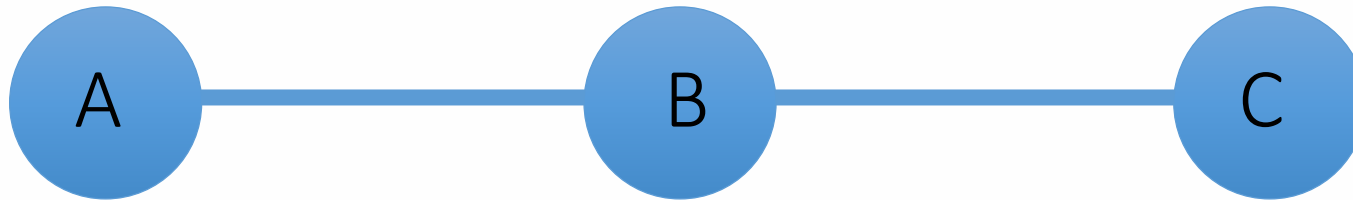
2. Trust and triads



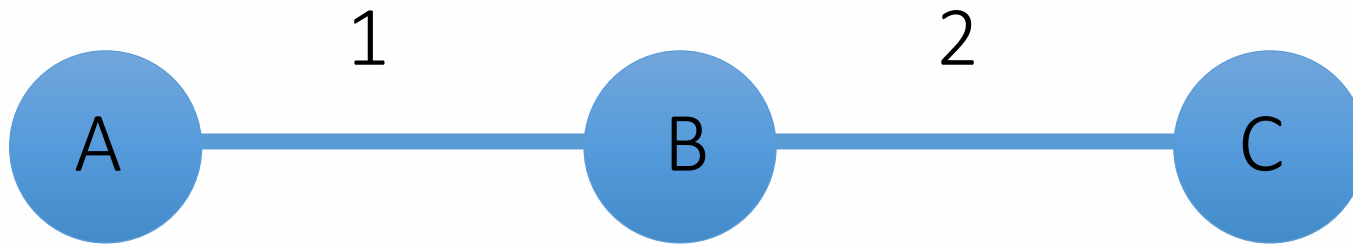
3. Social distance



3. Social distance



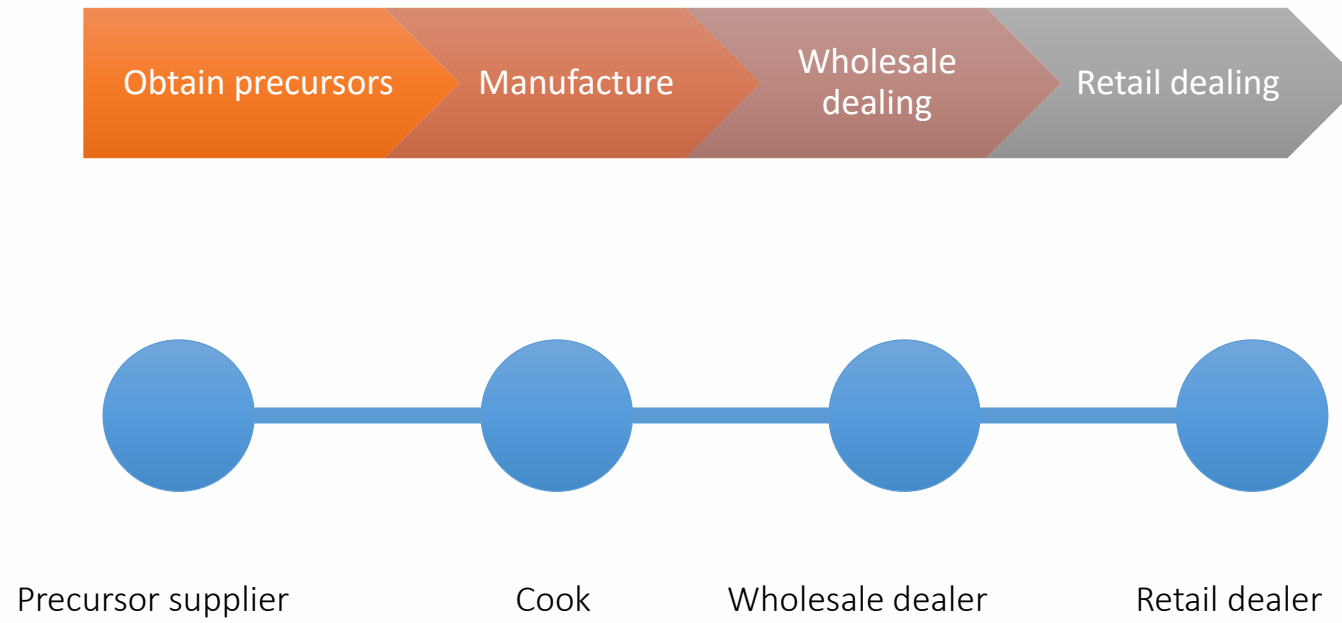
3. Social distance



4. Roles and supply chains



4. Roles and supply chains



Hypotheses

- H1 = The cross-sectional analysis will indicate that actors connect to popular actors
- H2 = The longitudinal analysis will indicate that:
 - Actors will form triadic relationships with others (trust)
 - Actors will form indirect ties with others (security)
 - Actors will form ties with actors who play different roles (efficiency)

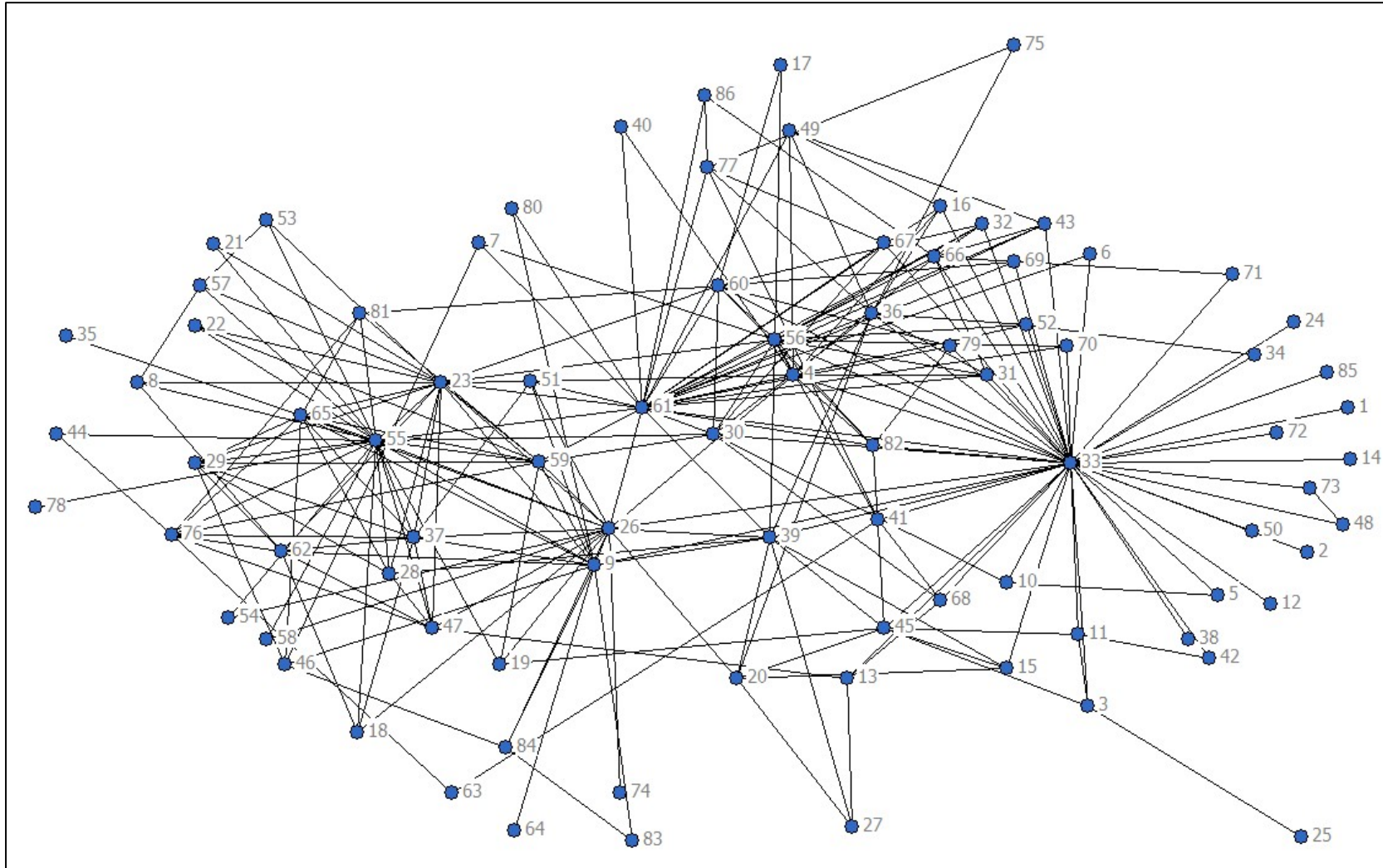
Data and method

- Files: Office of the Director of Public Prosecution (NSW)
- Two analyses
 1. Cross sectional
 - 1991-1998
 2. Longitudinal:
 - 1991-92 (wave 1)
 - 1993-94 (wave 2)
 - 1995-96 (wave 3)
 - 1997-98 (wave 4)

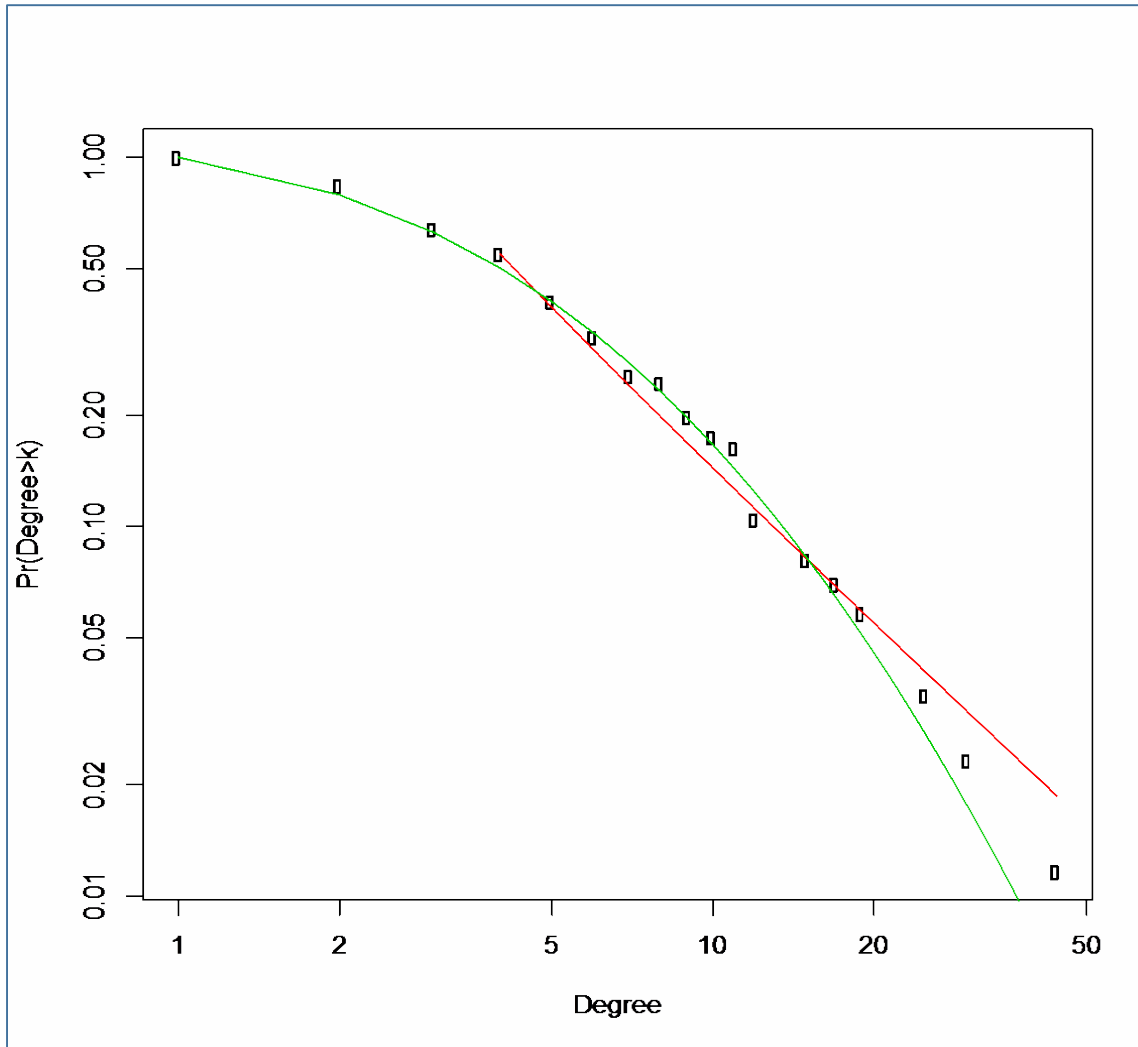
Data and method

- Cross-sectional
 - Calculate centrality scores
 - Degree distribution
- Longitudinal
 - SAOM
 - Five models (triadic closure, preferential attachment, brokerage, role-heterophily)

Results: Cross sectional analysis



Degree distribution



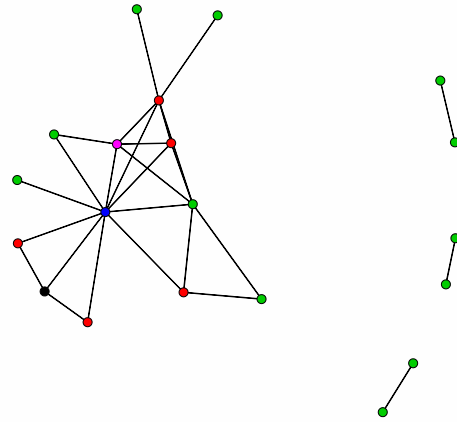
Coefficient of power-law distribution = 2.34

Time 1

Time 2

Time 3

Time 4

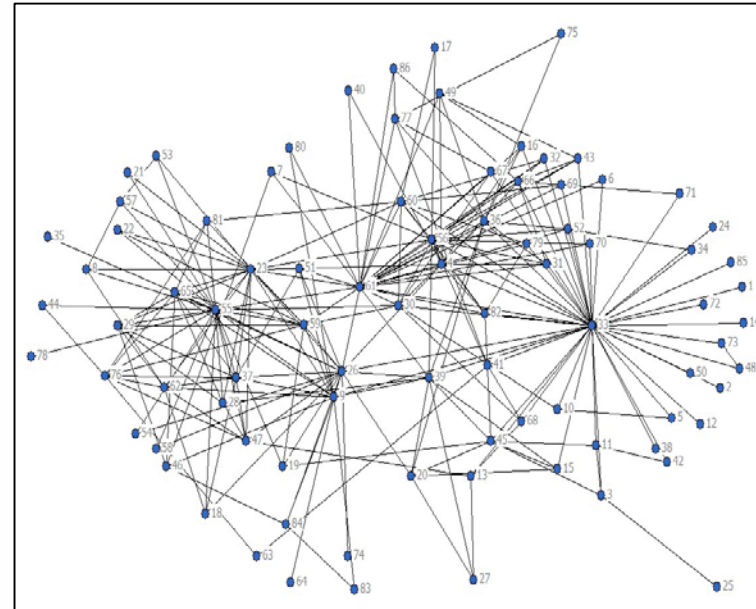


	Model 1: Role		Model 2: Closure		Model 3: C & PA		Model 4: C & Reach		Model 5: Complete	
	dyadic		endogenous dynamics						complete	
	m	std	m	std	m	std	m	std	m	std
Rate of change										
Rate 1→2	8.00	4.12	7.96	3.69	7.69	3.88	7.77	3.58	7.90	3.61
Rate 2→3	7.75	3.56	8.30	3.85	7.85	3.63	7.82	3.52	7.65	3.57
Rate 3→4	7.72	3.65	8.23	3.71	7.88	3.77	8.03	3.45	8.12	4.08
Dyadic effects										
Density	-0.89	0.08	-2.30	0.09	-2.56	0.22	-2.70	0.11	-0.24	0.24
Role match	-1.03	0.12							-0.42	0.13
Structural effects										
Triadic close			0.68	0.05	0.67	0.05	0.77	0.05	1.21	0.08
Deg. Assort.					0.09	0.07			-1.10	0.13
Distance 2							0.12	0.01	0.32	0.04

Network dynamics

- High degree of stability
- No support for preferential attachment
- Actors form ties with those who play different roles in the supply chain

- Clustering explained by combination of:
 - Triadic closure
 - Brokerage



So what?

- Implications for resilience/dismantling:
 - Undermine trust; “target the triads”
 - Target key connections (to break supply chain)
 - Target brokers as facilitators of security/insulation
 - Highlights importance of intelligence collection

Limitations

- Criminal justice data
 - Unintentional errors
 - Intentional misinformation
 - Missing data (actors, links, roles)
- Biased centrality scores
 - Focus of investigation

B Criminology

- Current combinations
 - Laws & Legal Practice
 - Laws & Legal Practice (Honours)
 - Law & Society
 - International Relations
 - Psychological Science

Criminology updates

- New combinations
 - Science (Forensic & Analytical Science)
 - IT (Network and Cybersecurity Systems)
- New degree
 - Bachelor of Criminology (Honours) – High Achievers

Criminology (Honours)

Name	Criminology (Honours)
SATAC Code	234941
Length	4 years
Indicative ATAR	90+
Guaranteed Entry ATAR	95
TAFELink	Advanced Diploma
Pre-requisites	N/A
Career opportunities	intelligence analyst, corrections officer, Court officer, para-legal adviser, state and federal police, Youth counselling

Criminology (Honours)- combined with Psychological Science, International Relations, Law and Society

Name	Criminology (Hons) combined degrees
SATAC Code	234942
Length	5 years
Indicative ATAR	90
Guaranteed Entry ATAR	95
TAFElink	Advanced Diploma
Pre-requisites	N/A
Career opportunities	intelligence agencies, state and federal police, policy development, private security industries

Criminology-combined

Name	Science (Forensic & Analytical Science)	IT (Network & Cybersecurity Systems)
SATAC Code	234282	224702
Length	4 years	4 years
Indicative ATAR	70	70
GE ATAR	80	75
TAFELink	Certificate IV	Certificate IV
Pre-requisites	* Chemistry	N/A
Career opportunities	Forensic Scientist, Criminologist, state and federal police, Forensic Imaging Specialist, Paralegal	Intelligence agencies, IT security consultant, Fraud analyst, Systems support officer, Cyber security analyst

Topic examples

Criminology	IT	Forensic Science	Psychological Science
Criminal Networks	Cyber security	Introduction to Forensic Science	Personality and Social Psychology
Corporate crime	Computer programming	Chemical Criminalistics	Mind, brain and behaviour
Borders, migration and security	Networks and security	Drug Addiction, metabolism, toxicology and analysis	Forensic Psychology: Legal and Clinical
International Criminal Justice	Software Engineering	Separation Science	Advanced Social Psychology
Psychology, Crime and Law	Enterprise Information Security	Modern Chemistry	Psychological Assessment and Measurement
Forensic Psychology: Legal and clinical	CISCO Certified Network Associate	Applied Spectroscopy and Electrochemistry	

Health Sciences (Health Promotion) / Bachelor of Business (Innovation & Enterprise)

Health Promotion

- Influence public policy
- Create supportive environments
- Strengthen community actions
- Develop personal skills

Innovation

- Create new ventures
- Explore new business models
- Innovate and evaluate viability
- Design organisational change

Name	Health Sciences (Health Promotion) / Bachelor of Business (Innovation & Enterprise)
SATAC Code	214182
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	80
TAFELink	Diploma
Pre-requisites	N/A
Career opportunities	Private enterprise, community health groups, hospital based health promotion units, Government agencies

Stephanie Zeniou

Cabra Dominican College (2012-2016)

Bachelor of Business



How I chose my course

- My future?
- Studied electives (Business Studies)
- Business Studies became an interest
- Searched for possible future pathways
- Selected a Business degree at Flinders
- Business Tour at Flinders



My Degree

Bachelor of Business

- 3 years full-time
- Studying a range of different topics

Why did I choose this degree?

- Variety within degree
- Mind-set



Innovation

INNO1001

Innovative and Creative Thinking: Recognising Opportunities

- One 3-hour workshop a week (fun, interesting)
- Participate in many different and fun class activities
- Overall, a really fun and interesting topic
- This topic helped “find myself”



Future study

INNO1003

Crowd, Cloud and Open Innovation: Leveraging your Ecosystem for Innovation

- Changes in Technology
 - Connectedness
 - Expand skills (real-world)
 - Applying skills to situations
-
- Chose this topic because enjoyed INNO1001
Innovative and Creative Thinking: Recognising Opportunities

Future Goals

- At the moment, focused on finishing Bachelor of Business Degree
- After finishing, find a job that I am passionate about

New Business Options Online

- Bachelor of Business (Online)
- Bachelor of Business (Management) (Online)
- Bachelor of Business (Marketing) (Online)
- Bachelor of Business (International Business) (Online)

Business-online

Name	B Business (online)
SATAC Code	274015
Length	3 years
Indicative ATAR	60
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Human Resource Associate, Business Development Manager, Economic Research Manager, Industry Equity Analyst, Research Analyst, Business and Consumer Banking

Business (Management) (Online)

Name	B Business (Management) (Online)
SATAC Code	274025
Length	3 years
Indicative ATAR	65
Guaranteed Entry ATAR	70
TAFELink	Certificate IV
Pre-requisites	N/A
Career opportunities	Management Consultant, ABS, Australian Trade Commission, Private sector, State and Federal Government

Business (Marketing) (Online)

Name	B Business (Marketing) (Online)
SATAC Code	274035
Length	3 years
Indicative ATAR	65
Guaranteed Entry ATAR	70
TAFELink	Certificate IV
Pre-requisites	N/A
Career opportunities	Market Research Consultant, Marketing Officer, Brand Manager, Advertising Consultant, Promotions Officer, Social Media Manager

Business (International Business) (Online)

Name	B Business (International Business) (Online)
SATAC Code	274045
Length	3 years
Indicative ATAR	65
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Management Consultant, Trade Specialist, Australian Trade Commission, Compliance Specialist, Private sector, State and Federal Government, ABS

Online Business Q&A

Dr Vipul Pare

Program Director, Bachelor of Business

Emily Peacock

Current Education student

Healthy Ageing (online)

Justine Irving

Bachelor of Healthy Ageing

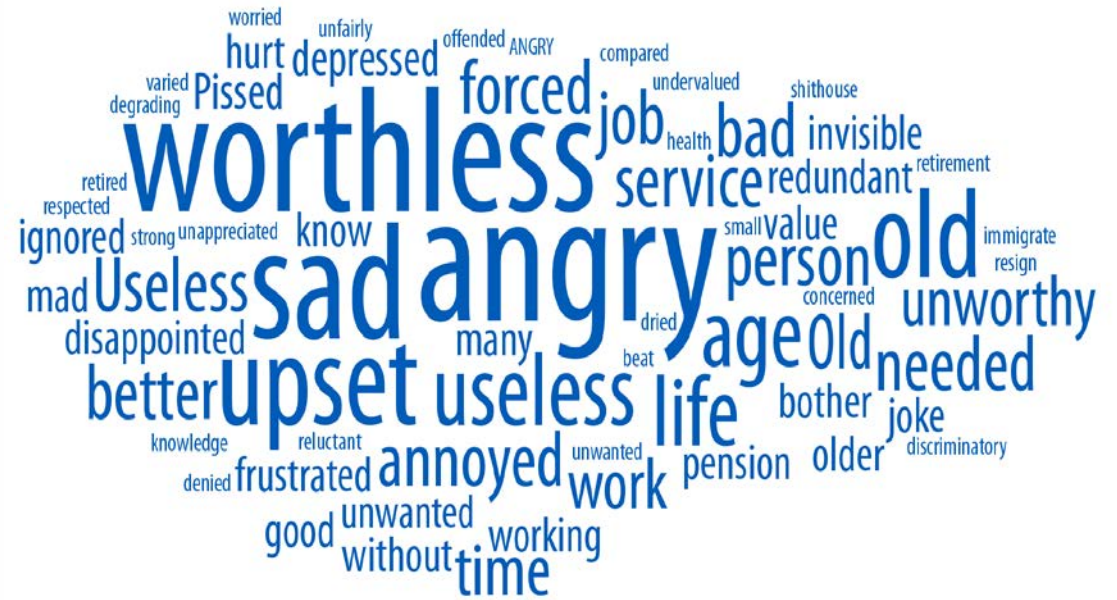
- Assumptions about ageing and older people
- How older people are perceived in the media
- The positives of ageing
- What is healthy ageing?
- Careers and opportunities in ageing
- Summary of three recent ageing related research projects

Assumptions about ageing and older people

- Younger Australians (under 30 years) are generally the most negative about the concept of ageing
- Younger Australians are more likely to associate ageing with the concept of loss (loss of health, loss of hearing, loss of mental capacity, and loss of income)
- Younger Australians find it extremely difficult to identify any benefits associated with ageing

Source: Australian Human Rights Commission. (2014). Fact or fiction? Stereotypes of older Australians Research Report 2013

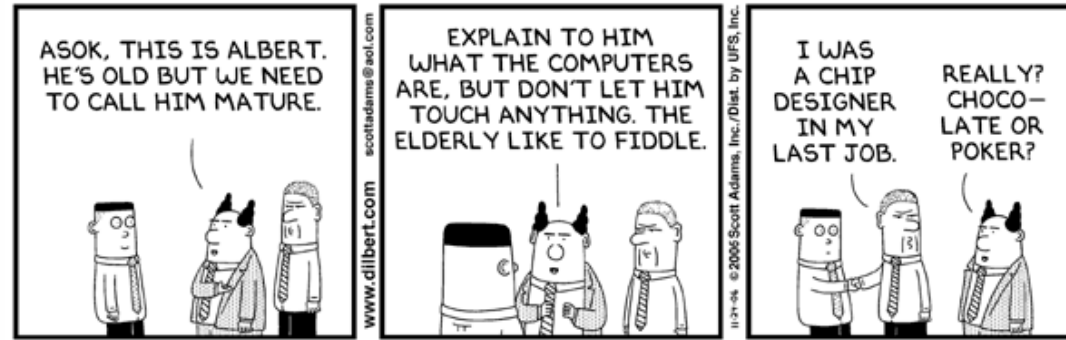
“The silver tsunami”
“The problem with our ageing population”
“The cost of our ageing population”
“An ageing population crisis!”



Source: Australian Human Rights Commission. (2014). Fact or fiction? Stereotypes of older Australians Research Report 2013



"I know I said this was an 'open age' vacancy, miss Jones. But from now on, only send in people who still have a pulse!"



© Scott Adams, Inc./Dist. by UFS, Inc.



The Positives of Ageing

- Living longer and healthier lives
- Older people in general have better mental health and are happier than younger people
- Wisdom, emotional control, empathy and well developed ability to prioritise what (and who) is important
- Greater confidence and less concern about the opinions of others
- Increased opportunities to pursue dreams and hobbies
- Ability to participate in community and voluntary activities that are personally meaningful
- Increased time for friends and family, particularly grandchildren

What is Healthy Ageing?

Healthy ageing is" the process of developing and maintaining the functional ability that enables wellbeing in older age... and where functional ability comprises the health-related attributes that enable people to be and to do what they have reason to value"

World Health Organization, 2015



Careers and opportunities in ageing

Careers in ageing are diverse and include:

Government and policy	Residential aged care
Local government	Not for profit organisations
Private sector	Life style and community ageing program coordinators
Consulting	Assisted living
Research	Advocacy organisations
Academia/Teaching	Design services
Healthcare and services	Housing and development
Business and financial services	Nutrition and dietetics for older adults
Consumer product development (especially electronic and digital)	Information technology and innovation
Aged care services	Elder Law
Specialist human resource and recruitment	Writer/journalism
Fitness and wellness	Demography
Travel	Entrepreneurs
Fashion and image consulting	Jobs not yet developed!



Recent ageing related research projects

- Ageism in the Workplace
- Family involvement in Residential Aged Care
- Ageing with Purpose

Research Project

Government and Policy

Project: Age discrimination for older workers and job seekers

Method: Online survey and telephone interviews

Results: Almost a 1/3 of respondents reported an experience of age related discrimination at work or while looking for work, starting as young as 45 years of age. The most common forms of discrimination included negative assumptions regarding skills, learning abilities or cognition and difficulty securing work due to age.

Retirees who had experienced age related discrimination in the recent past were more likely to report an involuntary retirement.

Implications: Age discrimination has tangible implications for working and retirement intentions. This may be best addressed by equipping employment services and human resource staff to better assist older workers seeking suitable employment. The introduction or reinforcement of policies supporting diversity in the workplace are other important steps to support older worker participation.

Research Project

Healthcare Providers

Project: Family involvement in residential aged care

Method: Aged care resident next of kin questionnaire

Results: Family-perceived involvement was significantly and positively correlated with satisfaction and facility impressions. Feeling the resident family member was well cared for, having trust in the facility staff and being informed about changes in the family member's care plan were considered the most important elements of involvement by the family.

Implications: Feedback from the family regarding particular aspects of involvement may improve the experience of long-term care for both family and resident, and assist with the identification of specific issues towards which organisations may target their quality improvement efforts.

Research Project

Policy, Advocacy and Optimal Ageing Promotion

Project: Purpose and older adults

Method: Systematic Review

Results:. Research outcomes suggest that greater reported purpose is related to a range of better health and well-being outcomes for older adults. With few exceptions, the literature demonstrates that purpose *declines with age*.

Implications: Purpose is associated consistently with elements of healthy ageing and further research is needed to determine how purpose can be engendered for older men and women, and to inform practical actions that can be undertaken to foster and support purpose in older age.

Why do a Bachelor of Healthy Ageing?

- An Australian first undergraduate degree that will provide students with the understanding and skills necessary to meet the needs and demands of ageing societies
- Flexible, multidisciplinary degree program aimed at preparing people to not only work with older people but to consider and develop new opportunities within ageing societies



Name	B Healthy Ageing (Online)
SATAC Code	274055
Length	2 years (4 teaching periods per year)
Indicative ATAR	60
Guaranteed Entry ATAR	70
TAFELink	Certificate IV
Pre-requisites	N/A
Career opportunities	Ageing/aged care services, as managers, health services and local council/government staff, consultants, policy analysts and service/program developers. In addition there are opportunities for the development and delivery of new products and services to our ageing community

Healthy Ageing Topics

- Health status in Later life
- Nutrition and the ageing population
- Mental Health and Psychological Well-being in Later Life
- Physical activity and ageing
- Leadership in care cultures
- Dementia: People perspectives
- Indigenous ageing
- Perspectives on elder abuse and neglect
- Restorative care
- Disability and ageing
- Legal issues in later life

Morning Tea



Flinders
UNIVERSITY

Archaeology

Dr Alice Gorman

B Archaeology Course Coordinator

Archaeology: from the sea to outer space



Dr Alice Gorman
Department of Archaeology
Flinders University

What is archaeology?

Archaeology is the study of human activity through the recovery and analysis of material culture.

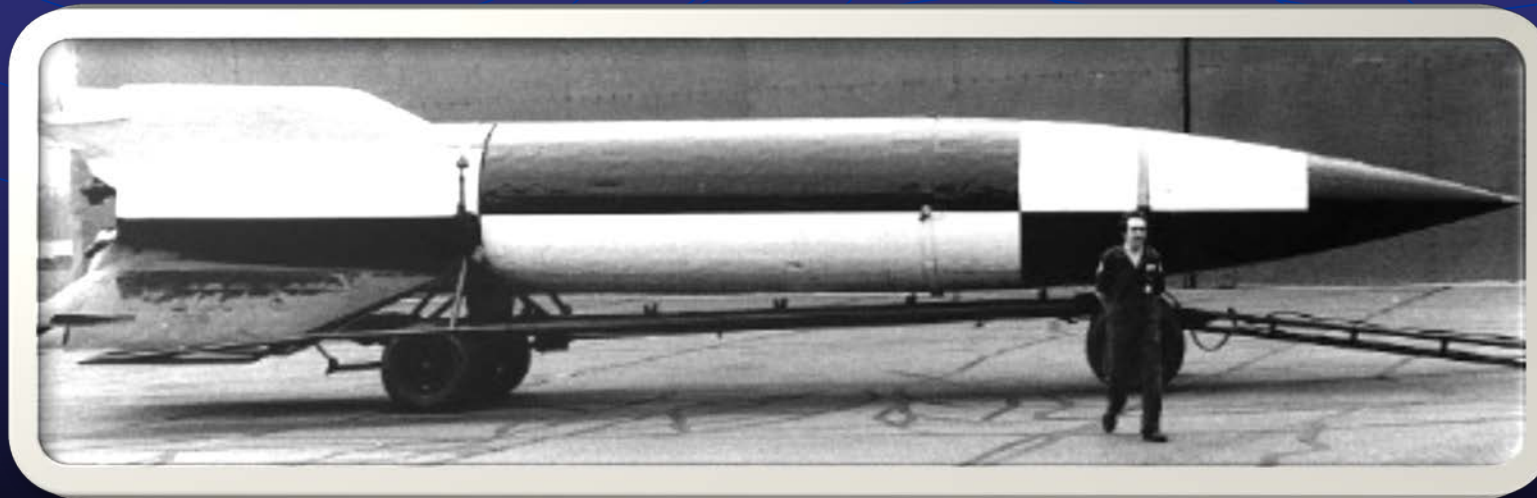
- Indigenous
- Historical
- Classical
- Maritime
- Contemporary
- Space



WWII air raid shelters, Adelaide

Space archaeology

- ***What:*** Objects and places associated with space exploration
- ***When:*** the “Space Age”: 1936 - present
- ***Where:*** Earth to beyond the solar system



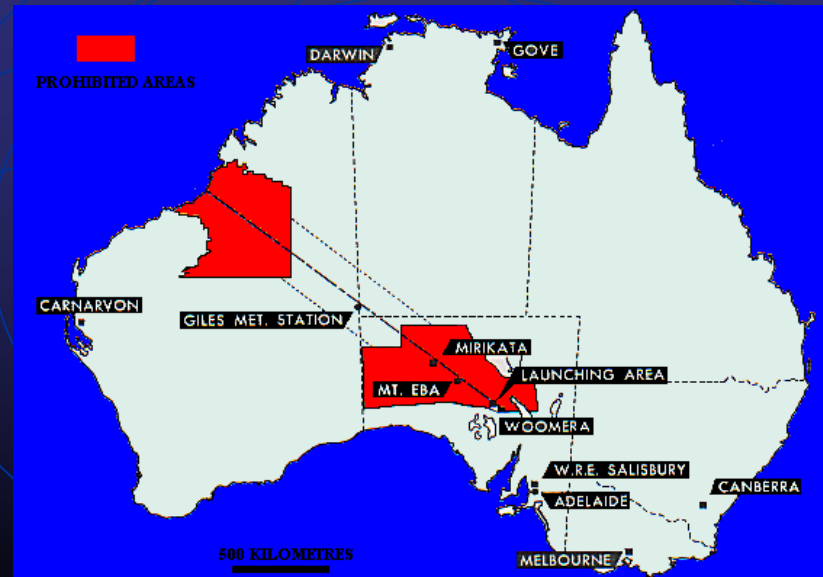
V2 rocket

Woomera

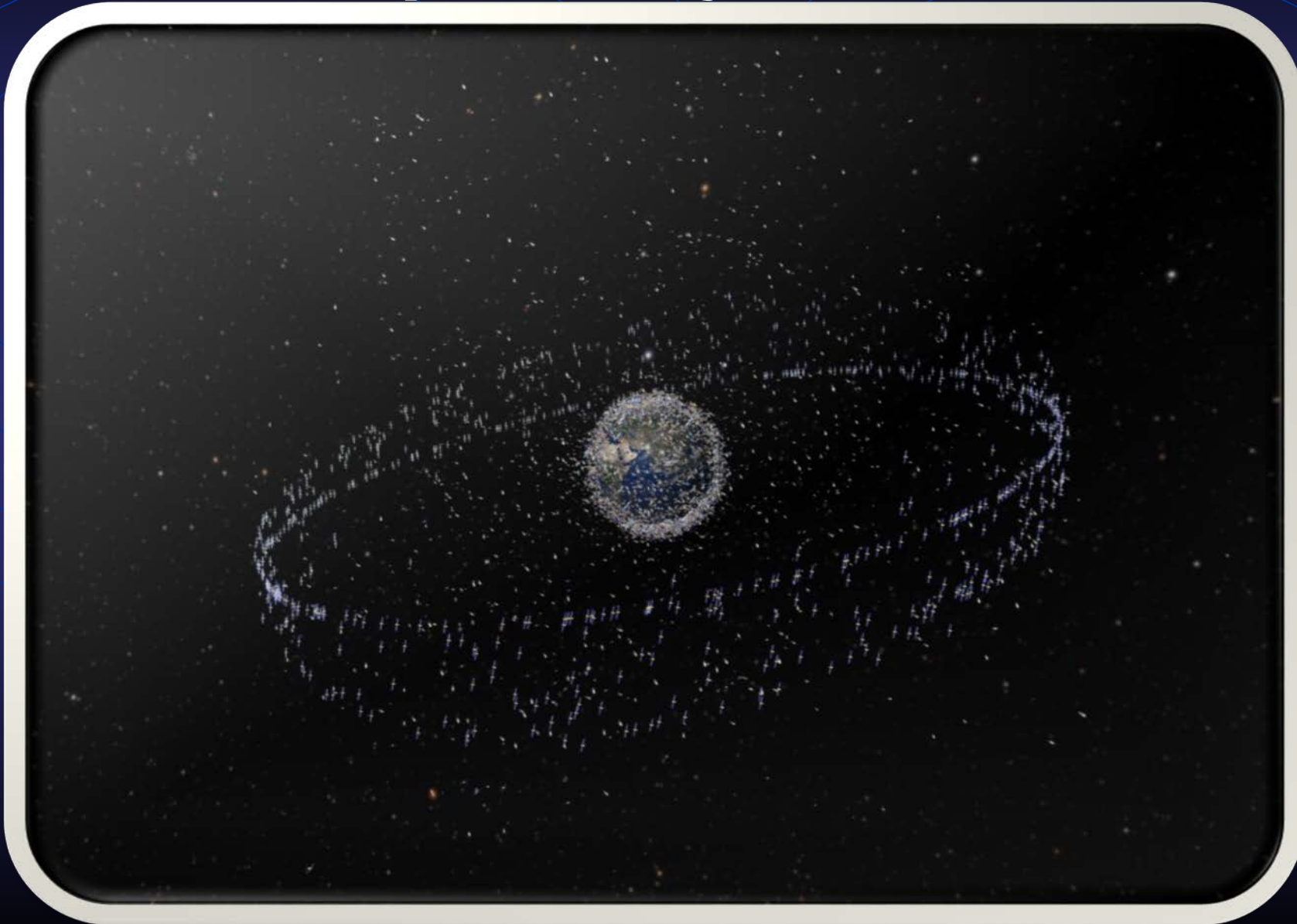


ELDO launch site, 1960s

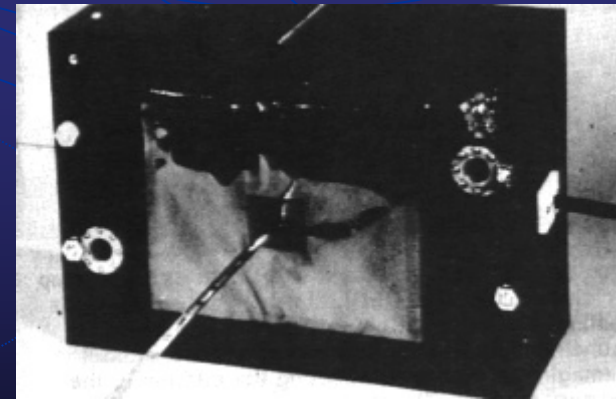
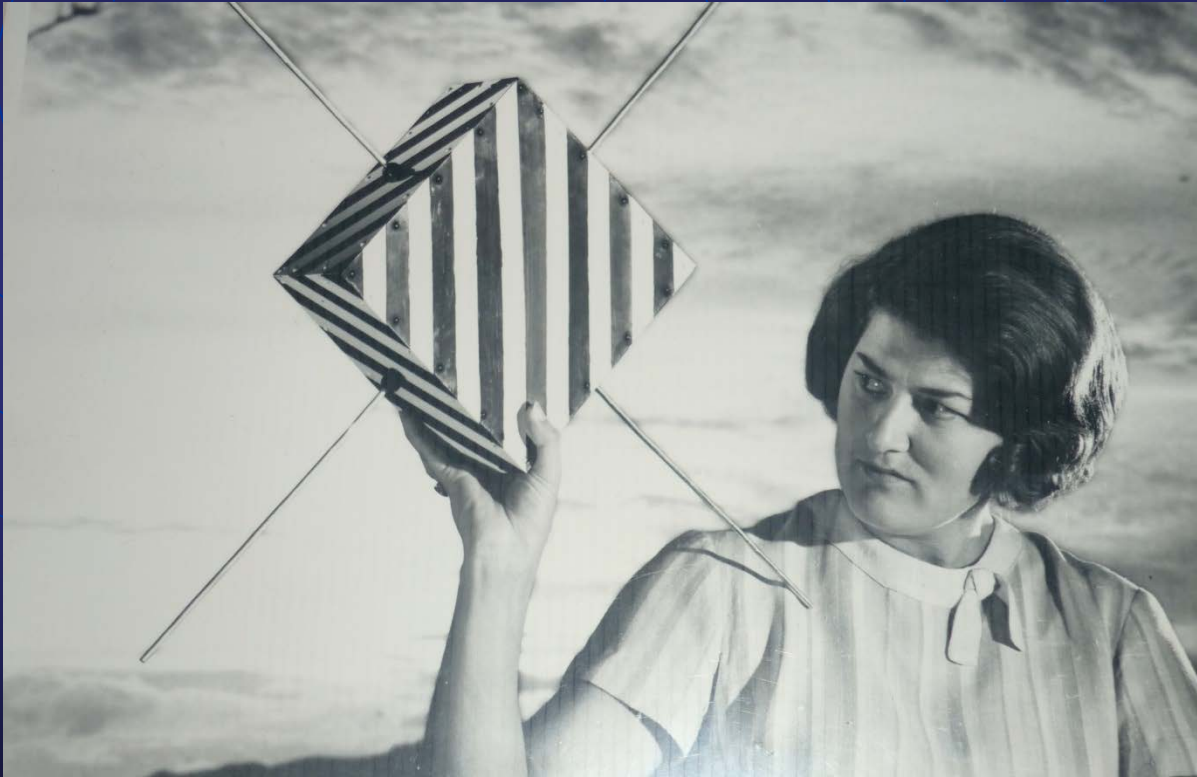
WRESAT-1, 1967



Space junk

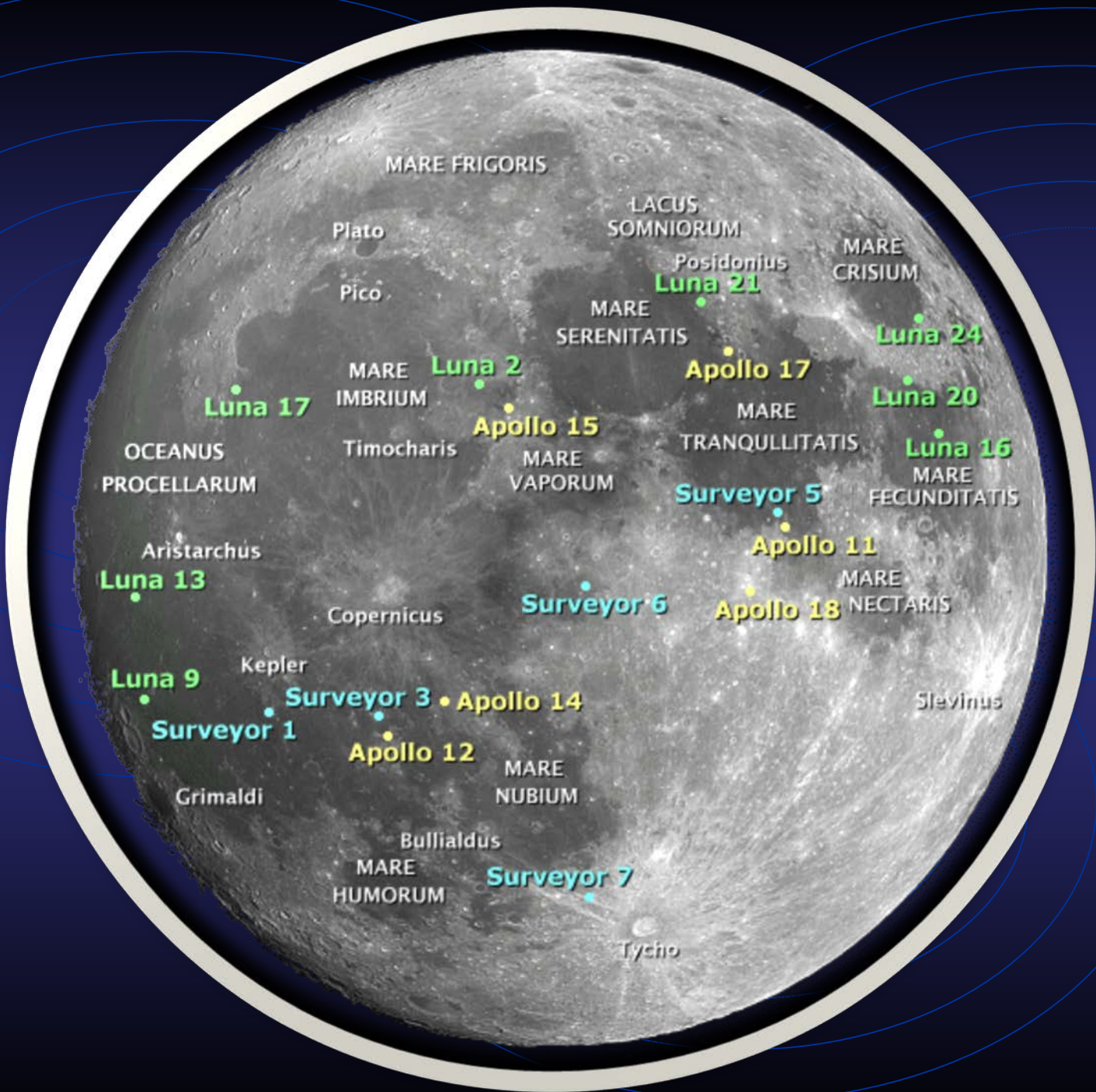


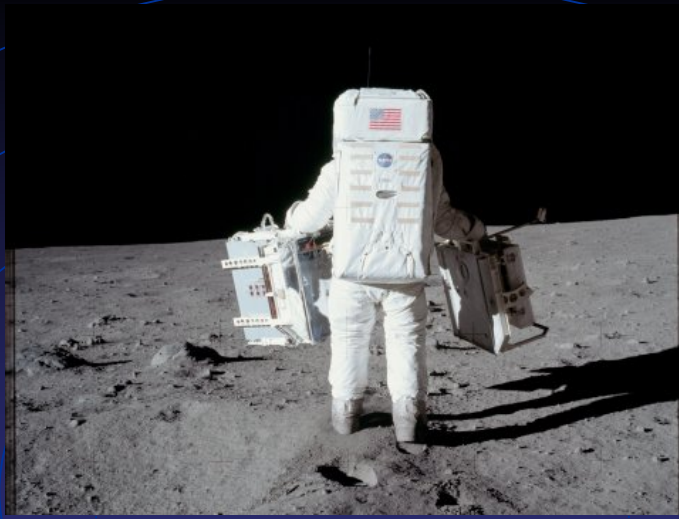
Down under up over: Australia in orbit



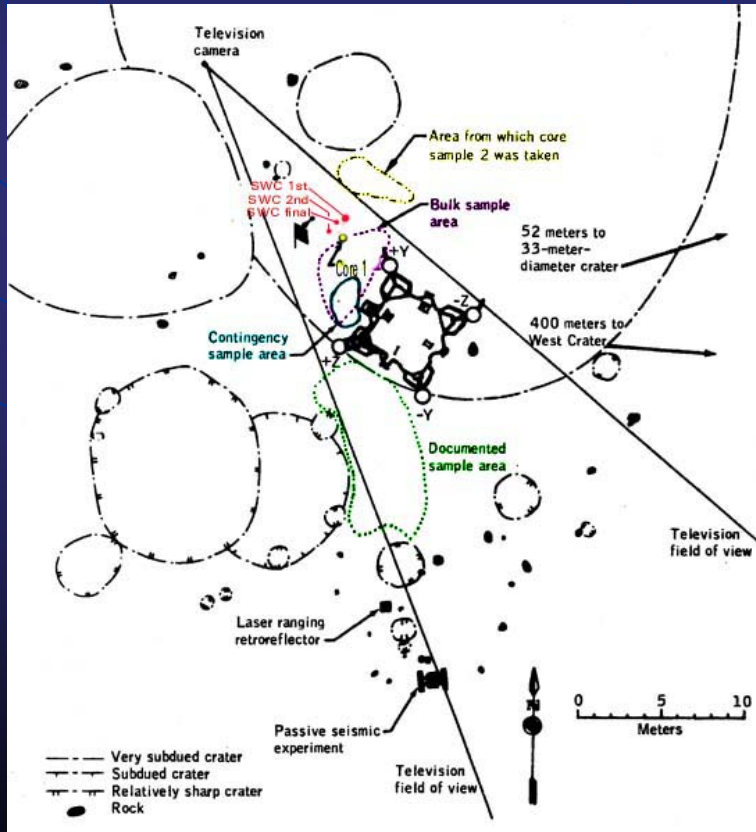
Australis Oscar V, 1970

Apollo landing sites

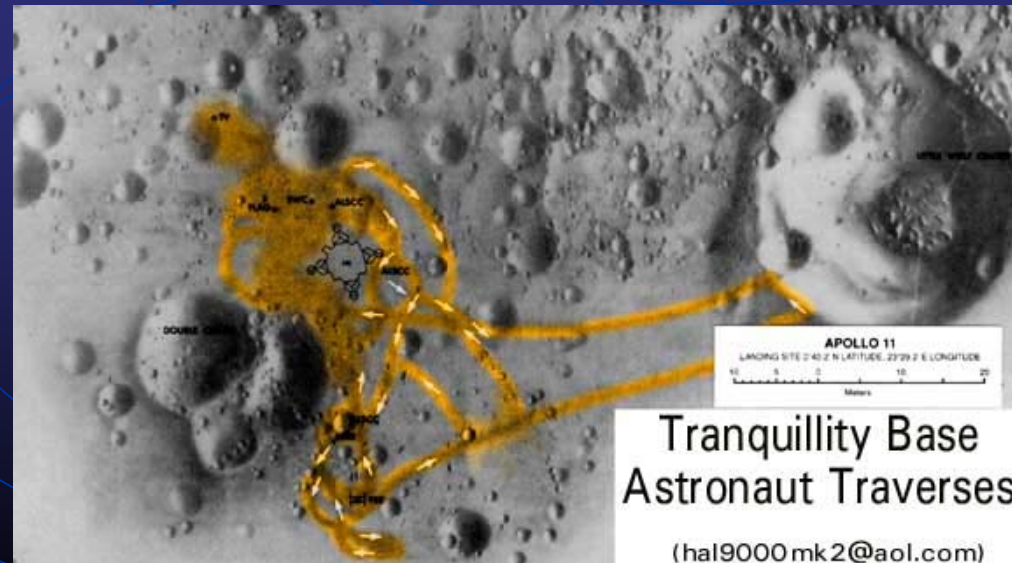




Laetoli, Tanzania, 3.7 million years ago

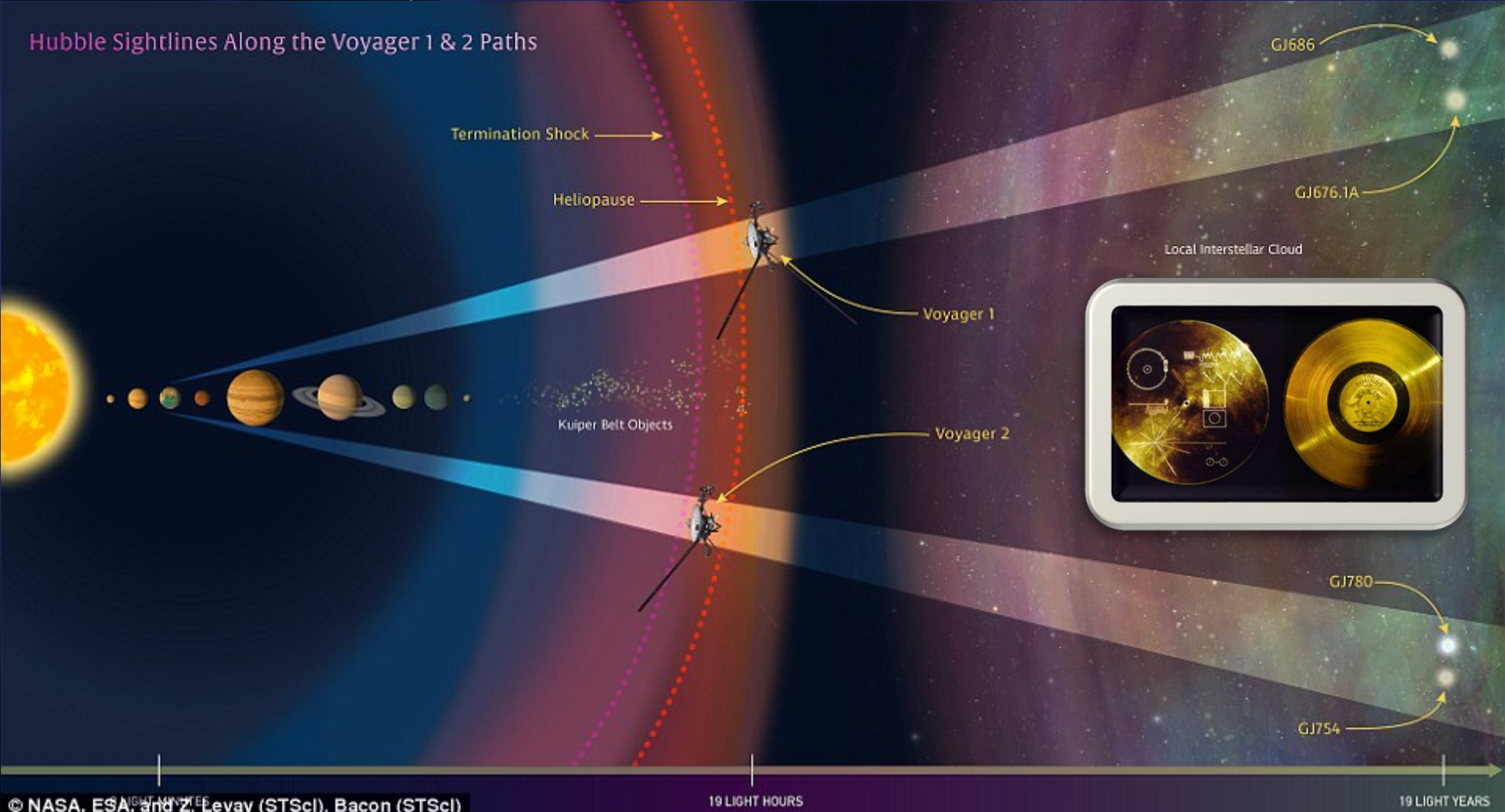


Tranquility Base





Voyager 2



Can you get a job?

- Heritage consulting
- Government
- Construction and development
- Museums
- Universities



Aboriginal stone tool



Monitoring construction

The future of space archaeology

- Environmental Impact Studies in space
 - Orbital debris clean-up
 - Lunar and asteroid mining



Archaeology of the International Space Station



<https://issarchaeology.org/>

Planning for long duration human spaceflight

We step out
into what is just
our backyard

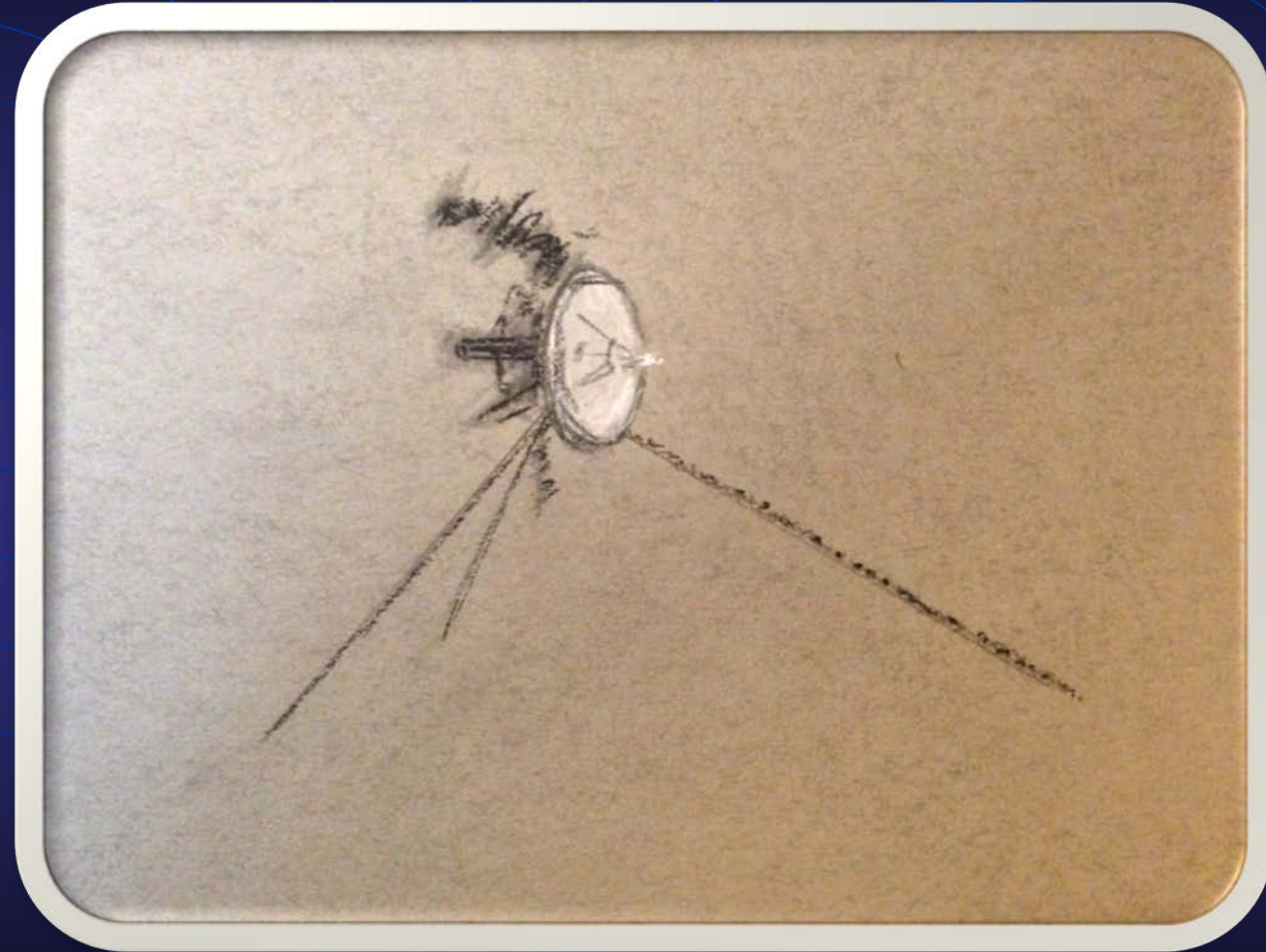


Image and haiku by Christine Rueter @tychogirl

Archaeology updates-

New combinations with

- B Applied Geographic Information Systems
- B Science (Environmental Science)
- B Science (Biodiversity and Conservation)
- B Science (Forensic & Analytical Science) - pre requisite applies
- B Science (Marine Biology)
- B Science (Coasts & Oceans)

Archaeology – combined degree options

Name	B Archaeology / Bachelor of Applied Geographical Information Systems
SATAC Code	214592
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	GIS Specialist, Cultural Heritage Officer, Research Assistant, Field Technician, Historic Preservation Specialist, Cultural Resources Manager

Name	Bachelor of Science (Coasts and Oceans)
SATAC Code	234252
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Cultural Resources Monitors, Cultural Resource Management, Coastal Zone Assessor

Name	Bachelor of Science (Environment Science)
SATAC Code	234272
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Heritage Advocacy Adviser, Policy & Projects Officer – Heritage, Cultural Heritage Officer, Cultural Resource Lawyer

Name	Bachelor of Science (Biodiversity and Conservation)
SATAC Code	234222
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Heritage Assessment Officer, Program Manager - NRM & and Cultural Heritage Services, Heritage Adviser

Name	Bachelor of Science (Forensic and Analytical Science)
SATAC Code	234282
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	Chemistry
Career opportunities	Forensic Archaeologist, Field Archaeologist, Copy Editor, DNA Analyst

Name	Bachelor of Science (Marine Biology)
SATAC Code	234302
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	70
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Research Assistant (underwater cultural heritage), Maritime History intern, Curator/Conservator, PADI instructor

B Science- majors

MAJORS

Animal Biology **(new)**

Environmental Management **(new)**

Aquatic Biology **(new)**

Mathematics

Biochemistry and Molecular Biology
(new)

Microbiology **(new)**

Chemistry

Ocean and Climate Sciences

Cognitive Science **(new)**

Plant Biology **(new)**

Computer Science

Physics

Ecology and Evolutionary Biology **(new)**

Statistics **(new)**

Environmental Geology **(new)**

Vertebrate Palaeontology **(new)**

Environmental Hydrology and Water
Resources

B Science – specialisations (3 years; 4 years direct entry Honours)

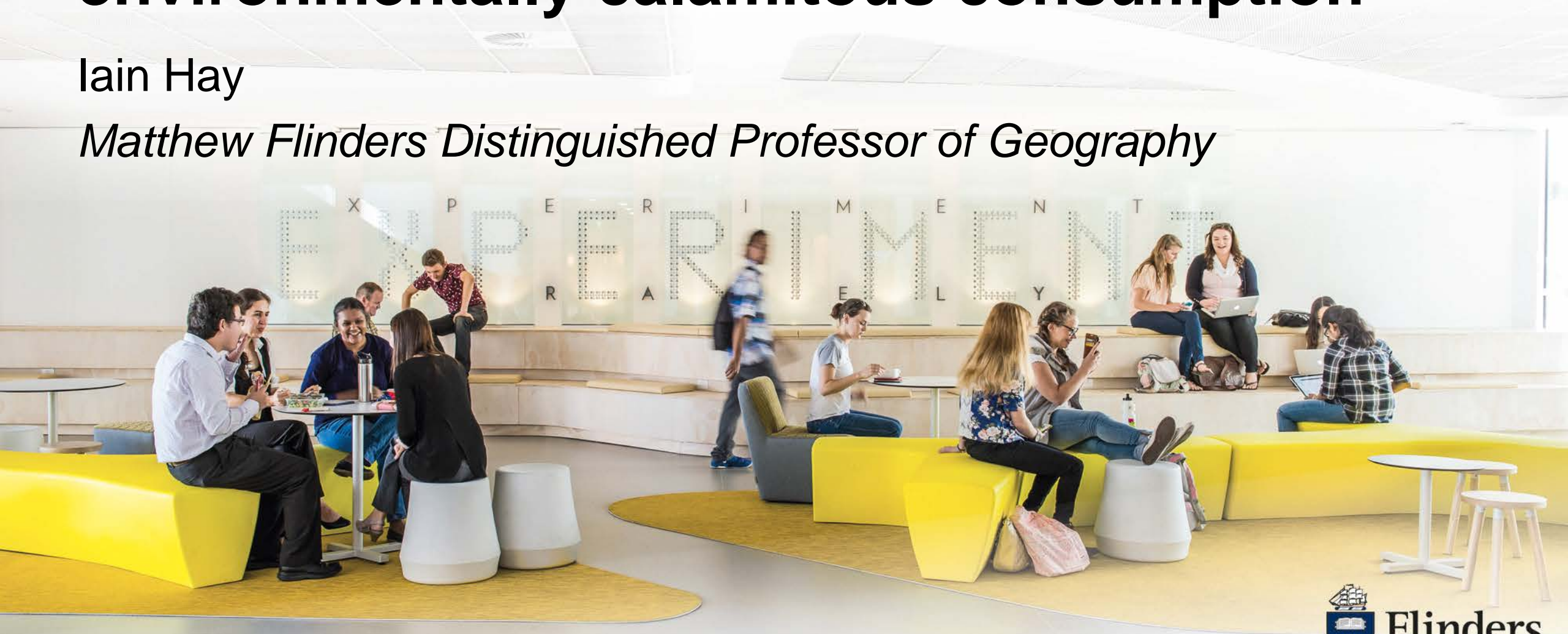
SPECIALISATIONS

Animal Behavior	Forensic and Analytical Science
Biodiversity and Conservation	Geography (new)
Biotechnology	Hydrology (new)
Chemical Sciences (new)	Marine Biology
Clean Technology	Marine Biology and Aquaculture
Coasts and Oceans (new)	Molecular Bioscience and Microbiology (new)
Energy and Advanced Materials (new)	Nanotechnology
Environmental Science (new)	Physics (new)

The super-rich, inequality, and environmentally calamitous consumption

Iain Hay

Matthew Flinders Distinguished Professor of Geography



The super-rich, inequality, and environmentally calamitous consumption



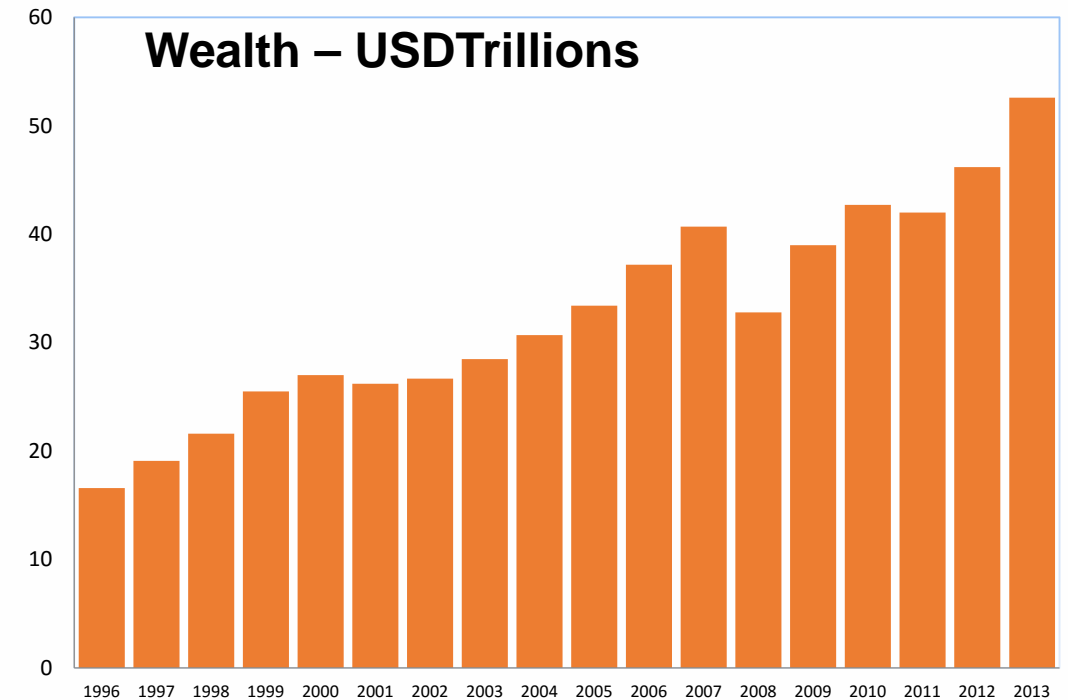
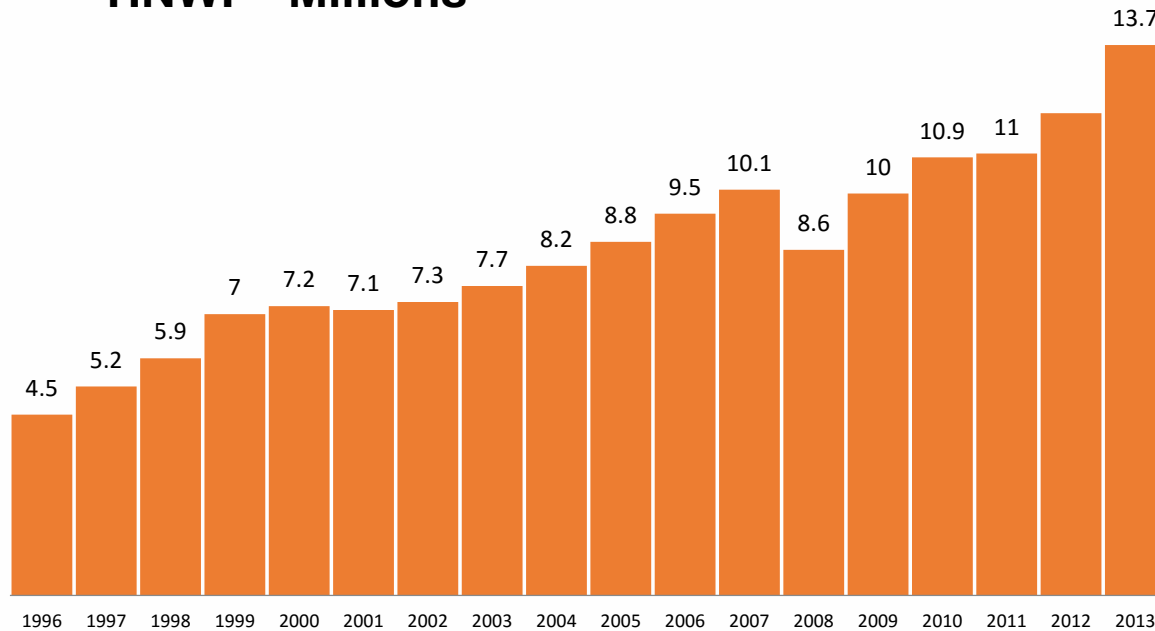
Why Study Geography?

*“The **great challenges of the 21st century are geographical** in their formulation, analysis and consequence, and **they transcend the physical/social divide**. These include climate change; accommodating 10 billion humans (which means coping with population ageing); maintaining biodiversity (slowing the rate of extinctions); enabling food production to rise (and eating less meat); managing increasingly diverse and growing urbanisation (and diaspora); and understanding the globalised flows of capital that undermine the concepts of the nation-state and democracy.”*

(Times Higher Education 2016)

Global HNWIs population & their wealth (1996-2013)

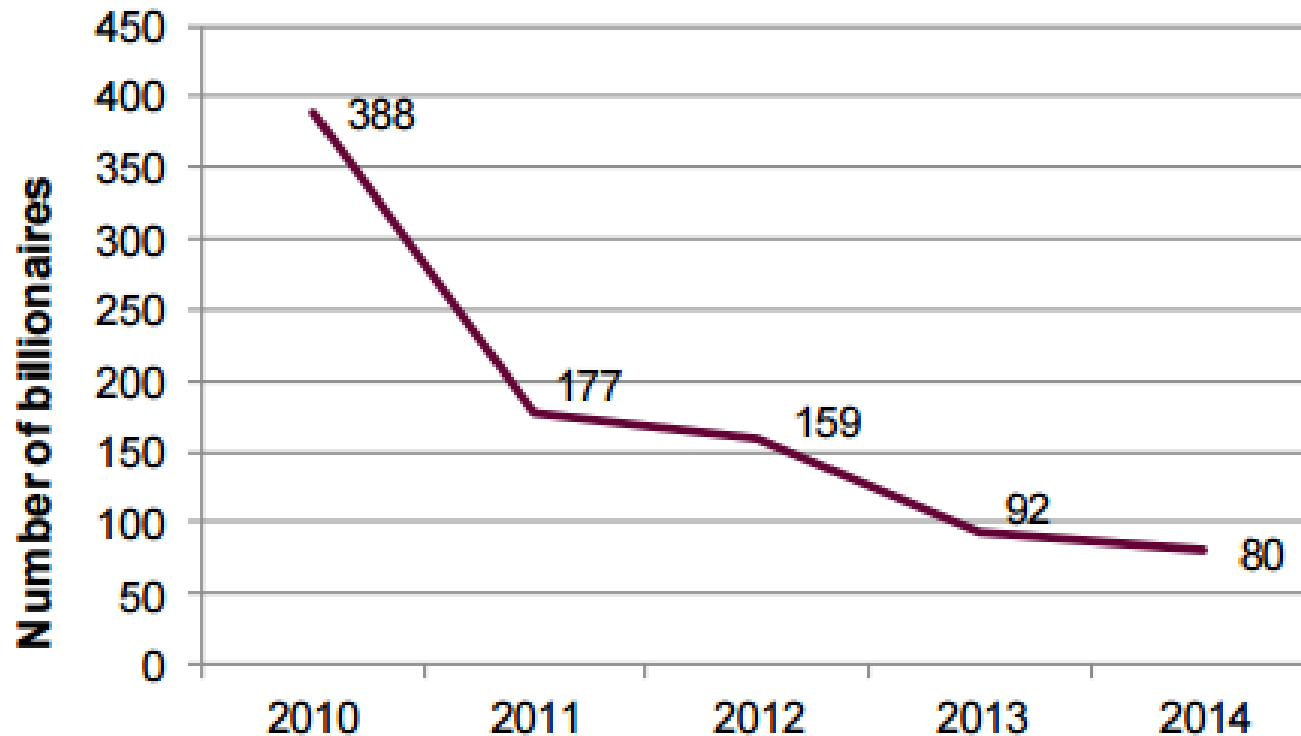
HNWI – Millions



1. The rich control a gigantic and vastly lopsided portion of the economy.



Figure 4: Number of billionaires it takes to have accumulated the same amount of wealth as the bottom 50% of the global population



Stop Press: Eight **men** own the same wealth as the 3.6 billion people who make up the poorest half of humanity (Oxfam 2017)



2. There is no ‘average consumer.’ ‘There are rich consumers, few in number, but disproportionate in the gigantic slice of income and consumption they take.’



Sam Wyly – former billionaire [Michael's Stores (an arts and crafts retail chain) and Sterling Software]

Personally spent @US\$3.75 million /month over the period 2004-2014.



And elsewhere...

Nigeria's US\$59 million consumption of French champagne in 2012, trailing only France.



So, why do the super-rich matter for the environment? They:

- (i) dominate ***production*** arrangements, with their obvious environmental implications.
- (ii) lead ***spending*** and hence the direct environmental consequences of that spending.
- (iii) provide a ***model for*** the ***consumption*** of others and so have an indirect but vital environmental impact.



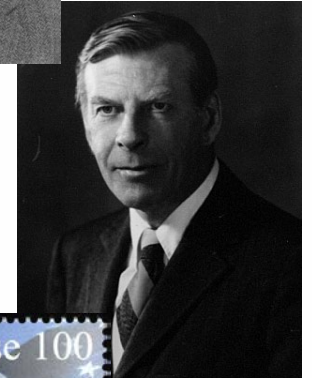
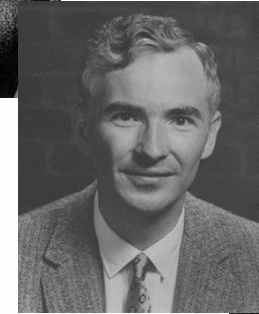
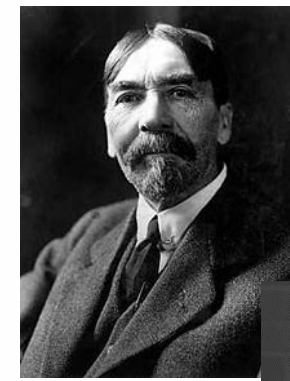
Cultural models of consumption

“dream worlds for the super-rich provide models of lives that through multiple media and global travel, inflame the desires for similar kinds of often addictive experience from parts of the world’s population.”



Consuming ideas

- Conspicuous consumption
(Thorstein **Veblen** 1899)
- Adaptation-level theory??
(Harry **Helson** 1947)
- Demonstration effect/relative income hypothesis
(James **Duesenberry** 1949)
- International demonstration effect
(Ragnar **Nurske** 1953)
- Economics of status
(Robert H. **Frank** 1987)



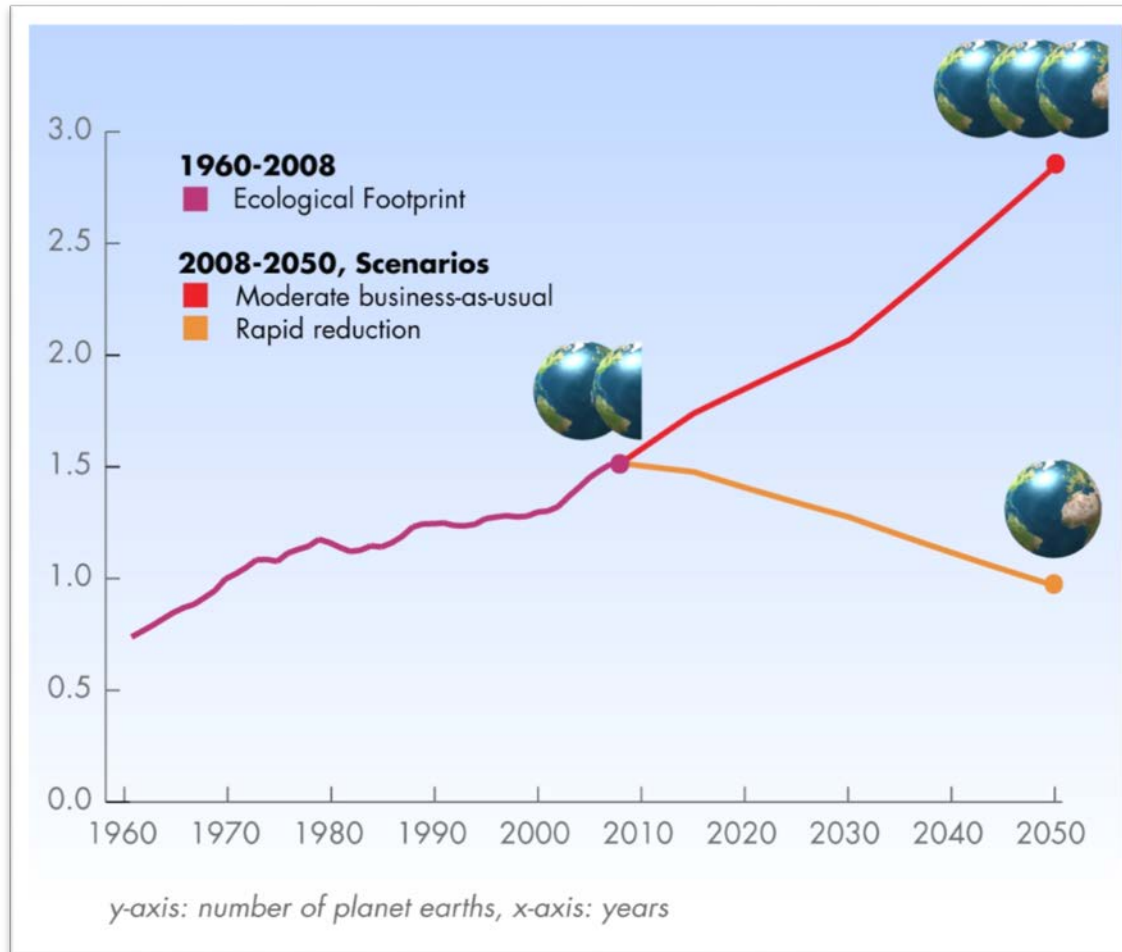
What is pushing consumption's limits?

- Quest for rank and status
- New and changing norms
- Behavioural emulation
- Comparison and discontent
- Push for constant lifestyle improvement
- Desires heightened through mobility & communications...

At least partly modelled by & fuelled by the super-rich.



Taking Us Beyond the *Limits to Growth*...



Today we use the equivalent of 1.5 planets to provide our resources and absorb our waste

- Collapsing fisheries
- Diminishing forest cover
- Elevated CO₂ emissions
- Depletion of fresh water systems....

We need to curb consumption urgently and broadly but cannot expect the desperately poor to bear that burden further



(Western) middle class needs to change behaviours.

But unlikely to curb consumption *unless the profligate and ostentatious consumption of the super-rich is reined in.*

And just how will that happen because ...



Challenges to remodelling consumption

Super-rich have power, resources and *mobility* to:

- (re)shape or sidestep regulatory restrictions
- remove themselves physically from unrest and problems that may befall us

‘The poor man really has a stake in the country. The rich man hasn’t; he can go away to New Guinea in a yacht’



NZ farms eyed as 'boltholes' for world's super rich

New Zealand farms are being snapped up by the world's super-rich **as boltholes to escape anger over financial inequality**, one of the world's leading fund managers claims.

"I know hedge fund managers all over the world who are buying airstrips and farms in places like New Zealand because they think they need a getaway," former hedge fund director Robert Johnson has told the Davos World Economic Forum.

Johnson, who heads the Institute of New Economic Thinking and was previously managing director at Soros Fund Management, told a standing-room-only session at the economic summit in Switzerland that the farms, homes and land were being purchased **so the rich could flee here should people rise up**.



And so the squillion dollar research question is:

Just how can
consumption be
remodelled and
environmentally
problematic inequality
reined in?



Conclusion

Growing super-rich model (and practise) problematic, planet-destroying consumption behaviours.

They have :

- power to overcome coercive remedies
- short-term capacity to avoid or minimize personal risk from environmental disasters.

So, we need to

- imagine non-coercive mechanisms to change influential models of consumption
- embrace ways of understanding well-being and prosperity in terms other than material wealth.

What is the alternative?



Geography

Name	B Science (Geography)	B Science (Geography) (Hons)
SATAC Code	234911	234921
Length	3 years	4 years
Indicative ATAR	70	80
Guaranteed Entry ATAR	70	80
TAFElink	Certificate IV	
Pre-requisites	N/A	N/A
Career opportunities	Environmental Officer, GIS, Natural Resource Manager, Water Resources Analyst, Field Guide	

Human Nutrition

Louisa Matwiejczyk
Course Coordinator

Streams: Ageing, Media and Communications, Dietetics

Topics within new streams

Ageing	Dietetics	Media & Communications
Foundation skills in Ageing	Food systems	Social Media Marketing
Health Statue in Later life	Nutrients role and function	Professional Writing
Nutrition & the ageing population	Food products and preparation	Public Communications in Nutrition

Human Nutrition

Name	B Human Nutrition
SATAC Code	234841
Length	3 years
Indicative ATAR	75
Guaranteed Entry ATAR	N/A
TAFELink	N/A
Pre-requisites	N/A
Career opportunities	Registered Nutritionist, Health Promotion or Lifestyle Officer, Nutrition Health Coach

Sports Update

- B Sport, Health & Physical Activity
- New combinations with
 - B Psychological Science
 - B Business (Marketing)
 - B Business (Management)
 - B Communication and Professional Writing
 - B Letters (Health)

Tom Fields

Bachelor of Sport, Health and Physical Activity (2016-2018)

My pathway



Applied for a range of courses through SATAC in year 12

Received an offer to study Business (Sports Management) Griffith University in Queensland

2015 I transferred to La Trobe University in Victoria

Decided Business wasn't right for me... Once I moved back to Adelaide in 2016 I Transferred into Bachelor of Sport, Health and Physical Activity) in my 2nd year

Bachelor of Sport, Health and Physical Activity

It involves the study of the relationship of sport, health and physical activity to other broad areas such as tourism, business, marketing and nutrition.

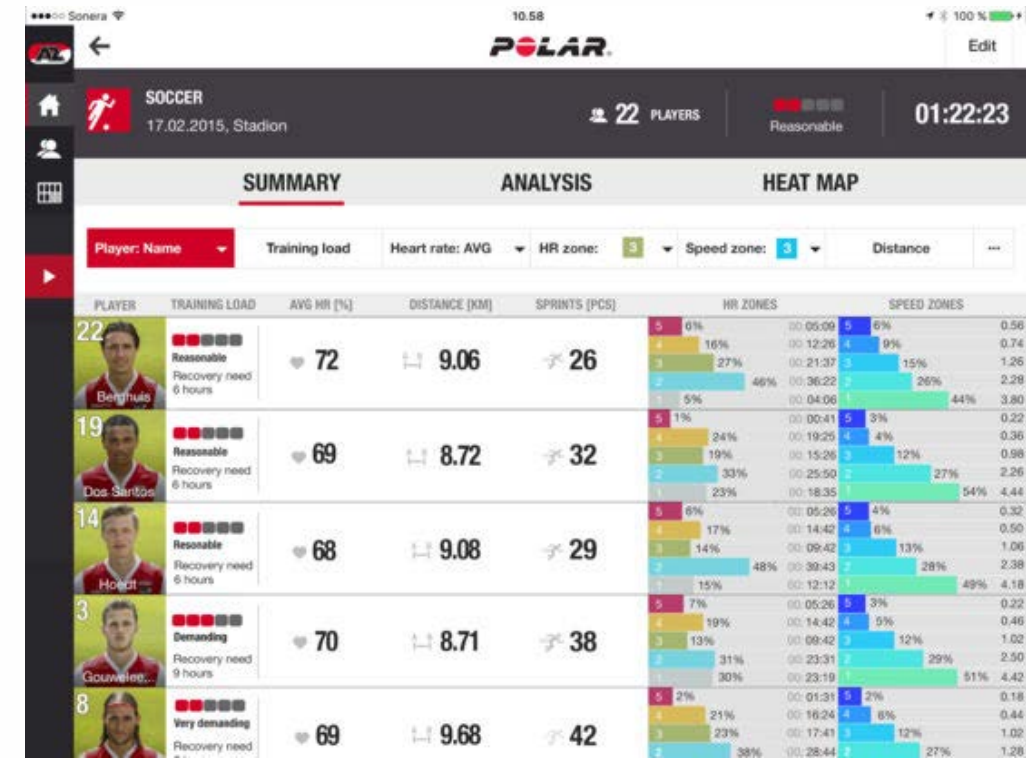
Prepare you for a career in the sport development, sport coaching, leisure, health, sport and event management industries.

Provides you with the opportunity to develop contacts and networks with potential employers.



Fun facts

- State of the art modern GPS tracking technology and iVUE audio and visual sport glasses
- Modern and great facilities and equipment to give us the best chance of learning and then teaching it.
- Opportunities to travel overseas to complete placements such as India and England.



Sport & Psychological Science

Name	B Sport, Health and Physical Activity / B Psychological Science
SATAC Code	224941
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	80
TAFElink	Diploma
Pre-requisites	N/A
Career opportunities	Case Manager, Health Promotion Officer, Athlete Counselling, Health Policy officer, Community education

Sport & Marketing

Name	B Sport, Health and Physical Activity / B Business (Marketing)
SATAC Code	224742
Length	4 years
Indicative ATAR	65
Guaranteed Entry ATAR	80
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Business Development Officer, Facilities Manager, Sports Club Manager, Public Relations Officer

Sport & Management

Name	B Sport, Health and Physical Activity / B Business (Management)
SATAC Code	224742
Length	4 years
Indicative ATAR	65
Guaranteed Entry ATAR	80
TAFElink	Certificate IV
Pre-requisites	N/A
Career opportunities	Club Management, High Performance Management, Facilities Manager, Government Agencies

Sport & Communication

Name	B Sport, Health and Physical Activity / B Communication & Professional Writing
SATAC Code	234072
Length	4 years
Indicative ATAR	70
Guaranteed Entry ATAR	80
TAFELink	Diploma
Pre-requisites	N/A
Career opportunities	Sports media, sports broadcasting, and sports webcasting, corporate media, public relations

Elite Athletes and Performers Program

- Over 50 elite athletes in 2017
- 3 streams
 - Elite performers stream
 - Elite athlete stream
 - Development athlete stream



Elite Athlete Program Background

Australian Sports Commission



Endorsed Universities



Flinders University Program

Assistance provided

- Assessment Extensions
- Attendance Alternatives
- Exam Scheduling
- Advocacy
- Course Counselling
- Cross Institutional Study

Brayden Davidson

Reynella East College

- My goal was to get a high enough ATAR to enter uni
- I came to Uni to set myself up and start to slowly work my way towards a post sporting career



Degree

- Bachelor of Social Work
- An area where I could help people through my experiences I have had in life and sport
- Internationally recognised



Sporting Career

- I am involved in Para Athletics
- I have mild cerebral palsy which makes me eligible to compete at Paralympic level in the T36 class
- I compete in long jump
- 2016 Rio gold medallist in the long jump
- 2015 IPC world Championships bronze medallist in the long jump
- Former world record holder in the t36 Long Jump March 2015-April

2015

- Paralympic Record holder
- 2nd best all time long jumper in the t36 category



Goals

- Sporting goals: compete at the next Paralympics in Tokyo
- Jump 6 metres
- Obtain a job in the field of social work or a field related to social work
- My other goal is to raise \$5,000 to help the kids at Novita get new gym equipment this year. I will be doing this by walking the Great Wall of China to raise awareness.
- <https://novita-trek-for-kids-great-wall-challenge-2017.everydayhero.com/au/brayden-s-china-trek-for-kids>



Lunch

Please pick up your pre-ordered lunch pack, alphabetized by surname

Optional tour of the new Student Hub and Plaza. Return by 1:10pm



Welcome back

- Workshop 1 | Psychology
- Workshop 2 | Criminology
- Workshop 3 | Nutrition
- Workshop 4 | Vertebrate palaeontology

Workshops wrap-up

Closing

Optional Tours

- Flinders Living
- Student Hub and Plaza

