WESTERN SYDNEY
UNIVERSITY

SUSTAINABLE DEVELOPMENT: Global Frameworks and Partnerships for Social Justice

Future of Work Forum
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REGIONAL CENTRE OF EXPERTISE ON EDUCATION FOR SUSTAINABLE DEVELOPMENT
ACKNOWLEDGED BY
UNITED NATIONS UNIVERSITY

GLOBAL LEARNING SPACE FOR ESD

RCE GREATER WESTERN SYDNEY

30
regional partners

working
together
to tackle our
regions challenges

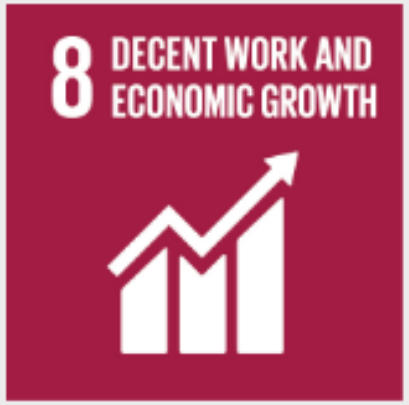
1

2

3

4

A GLOBAL FRAMEWORK



OUR RESPONSE PARTNERSHIP PEDAGOGIES

WESTERN SYDNEY UNIVERSITY

The UNU-RCE Global Citizenship Graduate Award will comprise of a

Boot camp
- 10 hour online boot camp that will enable students to interactively learn foundational ESD concepts including and introduction to the SDGs and the RCE network.

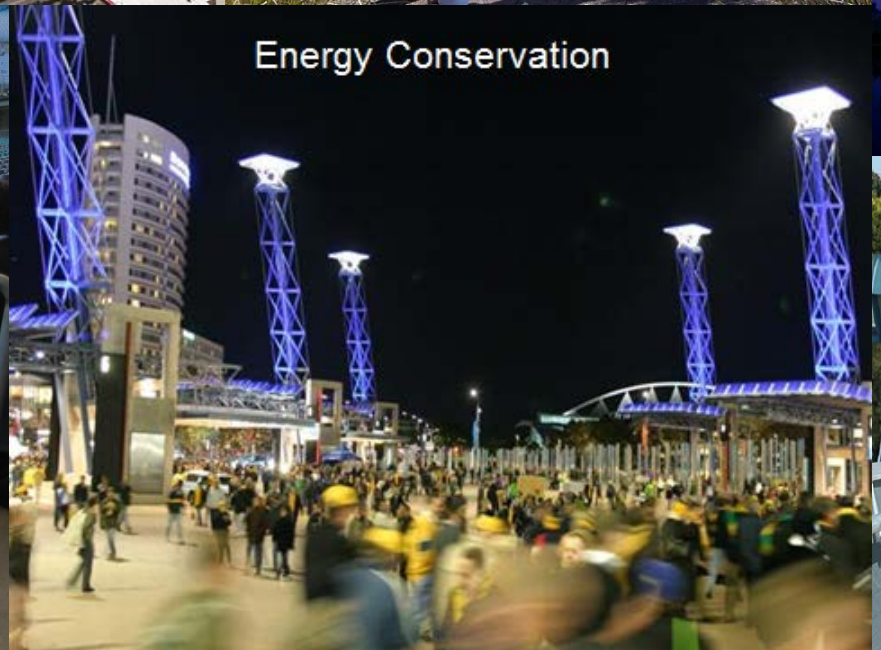
Sub-Major
- A new multi-disciplinary sub-major drawing on current curriculum offerings from across 5 schools – connecting to local and global RCEs

Social action
- Students will be required to engage in at least 60 hours of social action either locally or globally. This can include volunteering, internships and international programs.

AHEGS certificate

Working with Sydney Olympic Park Authority

Technical Insight Programs



Technical Insight Programs

SYDNEY OLYMPIC PARK TECHNICAL INSIGHT TOUR (2007-2017)

	REGIONS							
THEMES	**Africa**	**America**	**Asia**	**Australia**	**Europe**	**I'ntnl/ Others**	**Japan**	**TOTAL**
Water	0	0	**18**	10	1	0	0	**29**
	0	0	**207**	275	90	0	0	**572**
Environmental	0	3	35	**46**	3	2	5	**94**
	0	66	594	**1001**	26	85	44	**1816**
Olympic Games/ Olympic Legacy	0	0	**4**	**0**	2	0	**4**	**10**
	0	0	**63**	0	14	0	**64**	**141**
Sports	0	**6**	3	2	0	1	1	**13**
	0	**139**	41	31	0	40	8	**259**
Business (Business Development/ Marketing)	0	0	**6**	3	1	0	1	**11**
	0	0	**109**	57	55	0	13	**234**
Corporate Government	1	0	**5**	2	0	1	1	**10**
	10	0	**60**	77	0	12	30	**189**
Security	0	0	**4**	0	0	0	0	**4**
	0	0	**54**	0	0	0	0	**54**
Sustainability	0	11	**22**	15	0	1	2	**51**
	0	207	**493**	763	0	5	35	**1503**
Infrastructure/Venues/Urban Planning	0	7	6	**9**	0	2	1	**25**
	0	147	103	**264**	0	87	8	**609**
Video conferencing	0	0	**13**	0	0	0	1	**14**
	0	0	**193**	0	0	0	73	**266**
Other	0	3	9	**27**	0	3	1	**43**
	0	36	158	**5893**	0	132	22	**6241**
TOTAL	**1**	**30**	**125**	**114**	**7**	**10**	**17**	**304**
TOTAL	**10**	**595**	**2075**	**8361**	**185**	**361**	**297**	**11884**

Legend:

- Number of visits (frequency)
- Number of delegates (people)
- Highest frequency of visits

Unboxing the Future

Liveability

- *Objective 6:* Services and infrastructure meet communities' changing needs
- *Objective 7:* Communities are healthy, resilient and socially connected
- *Objective 11:* Housing is more diverse and affordable

Productivity

- *Objective 19:* Greater Parramatta is stronger and better connected
- *Objective 21:* Internationally competitive health, education, research and innovation precincts

Sustainability

- *Objective 27:* Biodiversity is protected, urban bushland and remnant vegetation is enhanced
- *Objective 28:* Scenic and cultural landscapes are protected
- *Objective 31:* Public open space is accessible, protected and enhanced

Green Star Communities

Green Star – Communities assesses the planning, design and construction of large scale development projects at a precinct, neighbourhood and/or community scale. It provides a rigorous and holistic rating across five impact categories……

- Governance
- Liveability
- Economic prosperity
- Environment
- Innovation

LIST OF CREDITS

INDEX	CREDIT	POINTS AVAILABLE
	GOVERNANCE	
1	Green Star Accredited Professional	1
2	Design Review	8
3	Engagement	6
4	Adaptation and Resilience	4
5	Corporate Responsibility	3
6	Sustainability Awareness	2
7	Community Participation and Governance	2
8	Environmental Management	2
	LIVEABILITY	
9	Healthy and Active Living	5
10	Community Development	4
11	Sustainable Buildings	4
12	Culture, Heritage and Identity	3
13	Walkable Access to Amenities	2
14	Access to Fresh Food	2
15	Safe Places	2
	ECONOMIC PROSPERITY	
16	Community Investment	4
17	Affordability	4
18	Employment and Economic Resilience	2
19	Education and Skills Development	3
20	Return on Investment	2
21	Incentive Programs	2
22	Digital Infrastructure	2
23	Peak Electricity Demand Reduction	2
	ENVIRONMENT	
24	Integrated Water Cycle	7
25	Greenhouse Gas Strategy	6
26	Materials	5
27	Sustainable Transport and Movement	3
28	Sustainable Sites	2
29	Ecological Value	2
30	Waste Management	2
31	Heat Island Effect	1
32	Light Pollution	1
	INNOVATION	
33	Innovation	10

Green Star Communities – Future Focus

Global megatrends are rapidly reshaping our industry and the built environment.

These include climate and demographic change, urbanisation, big data, artificial intelligence and technological innovation driving an increasing focus on our cities, health and well-being, human rights, equity and resilience. These drivers are accelerating.

2015

In 2015, the world signed on to the Paris Climate Change Agreement. More broadly, the urgency of climate action started to become clear across the globe.

2016

In 2016, the 2030 Agenda for Sustainable Development was set by the United Nations supported by the 17 Sustainable Development Goals. The built environment is now seen as key to improving people's health and well-being. Affordability, social cohesion, community engagement, mobility and connection to nature are all issues that the modern built environment must address.

2017

In 2017, investors, lenders, insurers, and stakeholders were seeking to reduce their exposure to risk through investments in assets that are low carbon and resilient to the shocks and stresses of climate change. Organisations are now responding to increasing scrutiny and pressure to prevent human rights abuse, and to measure, report and act to reduce their impact on people, cities and the natural environment.

Green Star Communities – Future Focus

World leadership in 2025

Our vision is for healthy, resilient and positive places for people and the natural environment. Therefore, we propose that all world-leading buildings, fitouts and precincts be:

Healthy – have amenities that enhance a person's well-being, encourage healthy and active transport and lifestyle decisions, mimic or connect with nature and provide a comfortable environment. They are conceived, built and operated to reduce or eliminate toxic materials, are well ventilated and lit.

Resilient – ready to address the future impacts of climate change and to respond positively to other changes and shocks. A world leading asset should be resilient to natural disasters and man-made impacts including changing technology and demographics. It should be resilient to long-term risks to its value. It should minimise exposure to risks negatively impacting people's health and human rights. It should continue working in the face of adversity. A world-leading asset should make the community and surroundings more resilient too.

Positive – focused on delivering a better environment for people and the planet. An asset that is positive is highly efficient with the use of our limited natural resources. It has lower energy consumption thanks to smarter design. Renewable energy powers the buildings and infrastructure (on-site or off-site). It is mostly fossil-fuel free and is carbon neutral by offsetting all its emissions. For new assets, this also includes reducing and offsetting its embodied carbon.

Places – able to respond to the needs of people and our planet. They should be smart, well-designed, managed and governed. They must be affordable. They must deliver on their commitments. They are safe, comfortable, inclusive and of high amenity. They improve the urban fabric, enhance the local infrastructure, and provide value to the community.

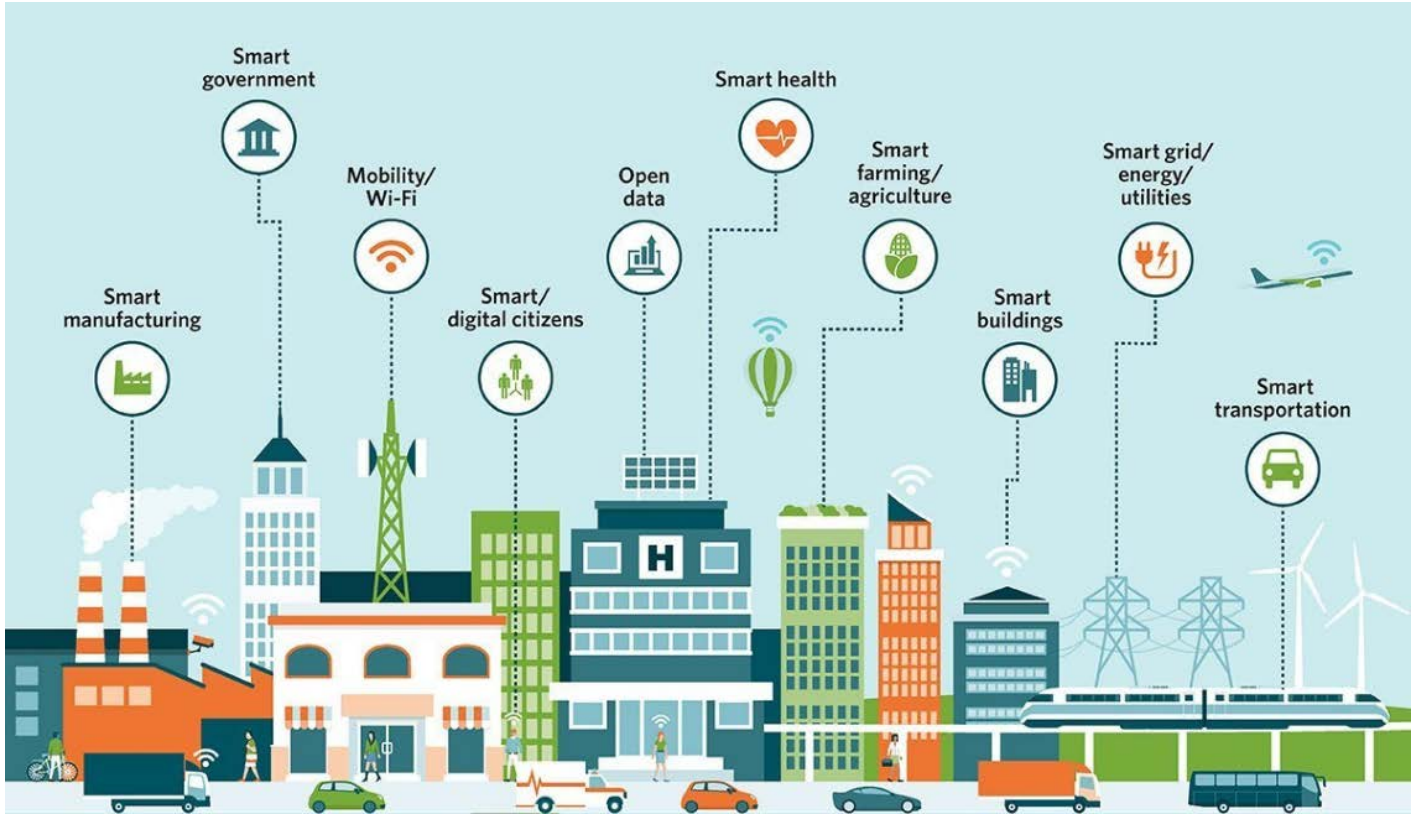
People – able to show that all are welcome, and people thrive in them. They are designed for everyone, beyond accessibility compliance laws. They are also designed to respect and celebrate our culture and our history. They help encourage reconciliation and help people connect with each other. Assets must be built with consideration of the rights of future occupants, the workers involved, those involved in the supply chain, and those in the surrounding community.

Natural environment – considerate of the current and historic impacts to our natural environment. They must reduce any impact on the site and enhance it as much as possible. A world leading asset contributes to increasing the ecological value and biodiversity of the site and beyond. They use their influence to connect green corridors in the city and work to enhance a city's biodiversity.

Smart Cities

"A smart city *uses* information and communications technology to enhance its liveability, workability and sustainability."

https://smartcitiescouncil.com/



A smart city….

- **Collects** information about itself (sensors and other devices / Internet of Things)
- **Communicates** that data (using wired or wireless networks)
- **Crunches** that data to understand what's happening now and what's likely to happen next

Bringing it together

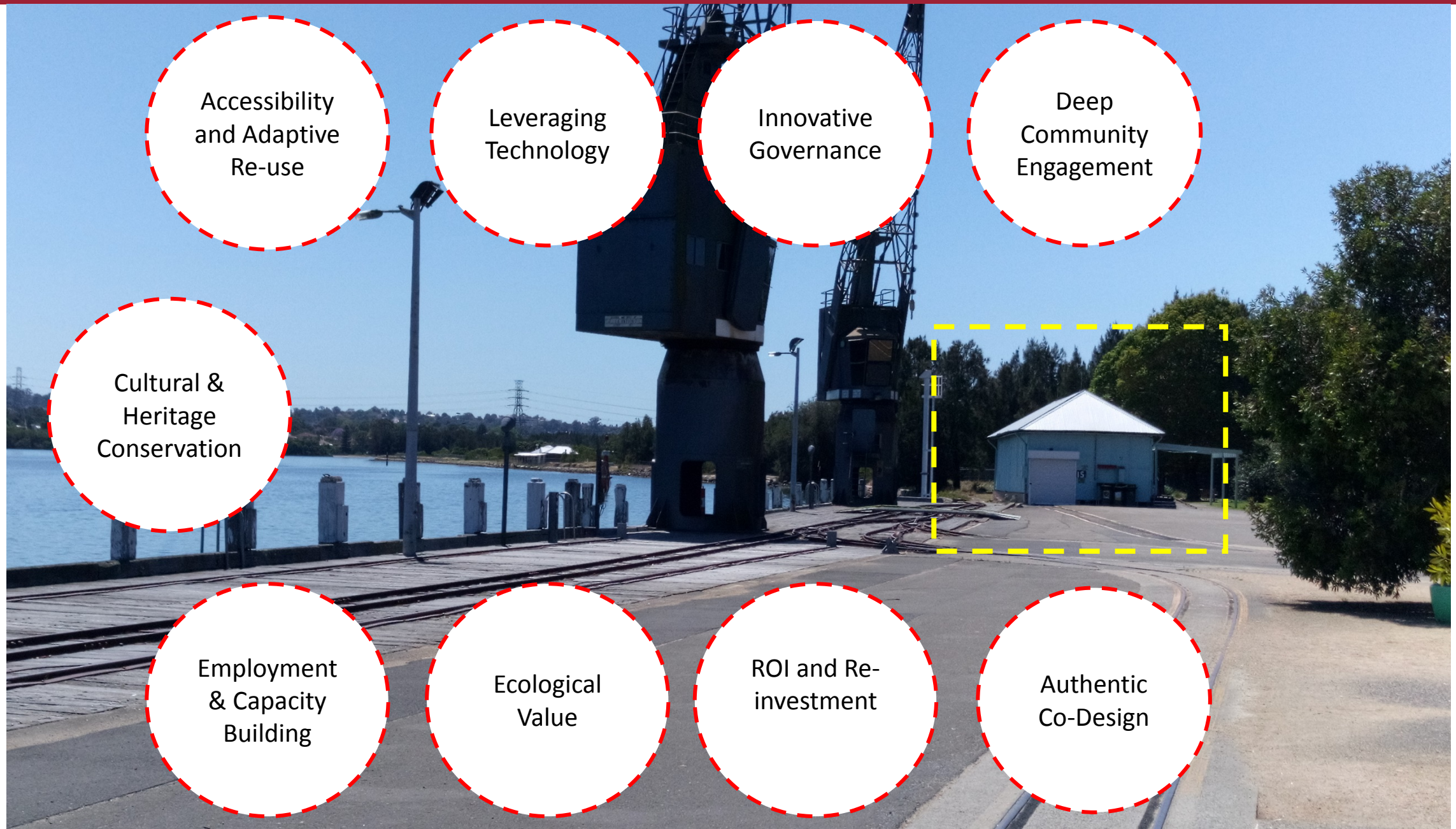
'Language of Lifestyle' shooting day: Part 1
5th May 2017 / Friday / SOP

Bringing it together

'Language of Lifestyle' shooting day: Part 2
24th May 2017 / Wednesday / SOP

Mr Charles Moore, CEO of SOPA

Murama Cultural Centre



Thankyou