



TEFMA

SUSTAINABILITY WORKSHOP

17 - 18 MARCH 2020 INNOVATION CAMPUS, WOLLONGONG



FINAL PROGRAM

Updated 18 February 2020

**Please Note: Timings are subject to change*

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Day 1 Tuesday, 17 March 2020			
8.30am	Registration Open		
9.00am	Official Welcome and Acknowledgement of Country		
9.10am – 9.20am	Workshop Briefing and Program Unpacked TEFMA Welcome: Workshop Welcome, Briefing and Program Unpacked:		
9.20am – 10.10am	Opening Speaker To be confirmed NSW Rural Fire Service		
10.10am – 10.40am	Morning Refreshments		
10.40am – 11.40am	Session 1: A Global Perspective		
		Who is driving food sustainability?	
	Michael Snow, RMIT University	Professor Niall Blair, Charles Sturt University	
11.40am – 12.00pm	Panel – Questions + Summary and Conclusions		
12.00pm – 12.40pm	Beyond Sustainability Geoff Dennis, Queensland University of Technology		
12.40pm – 1.40pm	Lunch		
1.40pm – 2.40pm	Session 2: Developing a Clean Energy Strategy		
	100% Renewable, 100% Do-able Daan Schiebaan, University of Newcastle	Your campus in the electric, autonomous, shared and connected mobility future - developing a future transport migration strategy Dan Hilson, Everengi	Delivering Net Zero / Carbon Positive Sophie Hutchinson, ADP Consulting
2.40pm– 3.00pm	Panel – Questions + Summary and Conclusions		
3.00pm – 3.30pm	Afternoon Refreshments		

3.30pm – 5.00pm	Site Tours		
	Tour 1 Rotating tour including: - Sustainable Buildings Research Centre - Solar Decathlon - IAccelerate Innovation Hub	Tour 2 University of Wollongong	
5.00pm – 5.10pm	Day One Wrap-Up and Close		
6.00pm	Workshop Networking Function <i>LevelOne @ Harbourfront</i> Level 1/2 Endeavour Drive, Wollongong  <i>For those attending, we invite you to bring along \$10 to partake in a game of ‘heads & tails’ to raise much needed funds for TEFMA’s chosen charity partner, BrAshA-T. To find out more about this charity, please click here.</i> <i>With thanks to our Networking Function Sponsor</i> 		
Day 2 Wednesday, 18 March 2020			
8.00am	Registration open		
8.45am	Day One Recap – Day Two Unpacked		
9.00am	LiFE Framework: Practical Assessment <i>This session will work through one of the 16 LiFE frameworks, allowing attendees to complete their own self-assessment and produce an action plan to take back to their institution.</i> Lead: Kym Witney-Soanes and Ed Maher, <i>Charles Sturt University</i>		
10.10am - 10.40am	Morning Refreshments		
10.40am - 11.40am	Session 3: Design and Construction		
	Sustainable innovation – La Trobe’s new student accommodation building Kimberley Wilkinson, <i>La Trobe University</i>	Climate Risk to Climate Ready: Building for Climate Resilience Sam Smith, <i>Deakin University</i>	Pushing boundaries towards a Sustainable Business School Celeste Perfect, <i>Melbourne Business School</i>
11.40am – 12.00pm	Panel – Questions + Summary and Conclusions		
12.00pm – 1.00pm	Session 4: Engagement		
	UOW Pulse Setting the Bar for Sustainability Jodi Evans, <i>University of Wollongong</i>	Co-Designing a Sustainable Student Precinct Jeff Robinson, <i>Aurecon</i> & Alex Kennedy, <i>University of Melbourne</i>	Students Doing Good: Engaging students in the sustainability journey through the Sustainable Development Goals Leah Knapp, <i>Murdoch University</i>
1.00pm – 1.20pm	Panel – Questions + Summary and Conclusions		

1.20pm – 2.20pm	Lunch		
2.20pm – 3.20pm	Session 5: Operations		
	Are you throwing money away? David Wilson, <i>Australian National University</i>	SBRC Presentation Craig McLauchlan, <i>University of Wollongong</i>	UTS opens its plastic free foodcourt Benjamine Duncan, <i>University of Technology Sydney</i>
3.20pm – 3.40pm	Panel – Questions + Summary and Conclusions		
3.40pm – 3.55pm	Wrap Up, Close and Thank You		
3.55pm	Afternoon Refreshments		

SESSION ABSTRACTS

Day 1: Tuesday, 17 March 2020

SESSION 1: A GLOBAL PERSPECTIVE

Michael Snow, RMIT University

Details to be provided

Professor Niall Blair, Professor of food sustainability, Charles Sturt University

Who is driving food sustainability?

This presentation will provide an overview of the push and pull of food sustainability and how it is changing the way we live and work. This change is well and truly upon us and Australia is catching up to the rest of the world. Understanding the drivers in this area will make the transition and impact on your workplace seamless.

Geoff Dennis, Executive Director - Facilities Management, Queensland University of Technology

Beyond Sustainability

The term “sustainability” continues to be used as a special “thing”. This is no longer the case; it is now an essential element of business as usual, particularly in the higher education sector.

This presentation will illustrate QUT’s sustainability journey over the last four years and the formulation of a Sustainability Action Plan that we hope to embed into QUT as “essential normal business”.

SESSION 2: DEVELOPING A CLEAN ENERGY STRATEGY

Daan Schiebaan, University of Newcastle

100% Renewable is 100% Do-able

Guided by the United Nations’ Sustainability Development Goals, last year our University developed our new Environmental Sustainability Plan 2019–2025. Through consultation with staff, students, business partners and community, a key priority emerged. Our stakeholders asked us to take a leading role in mitigating climate change.

In 2018, we achieved a major milestone on our journey towards becoming carbon neutral, and the impact is being felt across the sector and our region. By procuring a first-of-its-kind energy supply agreement with Red Energy, we will be powered by 100% renewable electricity by January 2020, resulting in a 75% decrease in CO₂e-emissions.

This sector-leading \$48 million investment has inspired others around us to take action, as we collectively strive to tackle the global issue of climate change and create a more sustainable future for all.

Dan Hilson, Everengi

Your campus in the electric, autonomous, shared and connected mobility future - developing a future transport migration strategy

The acceleration of change in transportation towards a shared, electric, autonomous and connected future brings with it huge opportunities for decarbonization and efficiencies. It also brings risks (both real and mythological) that can derail a transition journey for an Organisation. This presentation will outline the shifts that are occurring, how they may impact Universities, the opportunities and risks presented, and how to start your transition journey.

Sophie Hutchinson, Sustainability Director, ADP Consulting

Delivering Net Zero / Carbon Positive

The Paris Agreement, signed by all parties of the UNFCCC, set a framework to avoid dangerous climate change and limit warming to well below 2°C. Many organisations are implementing roadmaps to ensure that they cut their emissions to ensure this global target is met, including meeting exceptional targets for energy efficiency and transitioning all assets away from fossil fuels. In line with the next Green Star tool release, we are working on a number of projects to deliver net zero and carbon positive outcomes, something we predict will be a key trend for 2020 and beyond.

DAY 2: Wednesday, 18 March

LIFE FRAMEWORK – PRACTICAL ASSESSMENT

Charles Sturt University adopted the [Learning in Future Environments \(LiFE\) Index](#) in 2012 as their sustainability framework. This Index is used by 70 tertiary institutions internationally, and administered across Australasia by [ACTS](#). The LiFE Index is a structured process for evaluating current practices that support or impede good sustainability practices, and for developing improvement plans via cross-organisational participation.

This session will examine Charles Sturt's interpretation and implementation of the Index. This involves a taste of the participatory workshop experience implemented on a six monthly basis across the university. Charles Sturt coordinate an ongoing annual schedule of participatory workshops that identify existing areas of good sustainable practice; opportunities for improvement across all activity areas of the organisation; and ways of prioritising and resourcing improvement actions towards best practice. This process is core to continually engaging key stakeholders and to working towards an annual embedded LIFE key performance indicator in the Charles Sturt University Strategy.

SESSION 3: DESIGN AND CONSTRUCTION

Kimberley Wilkinson, La Trobe University

Sustainable innovation – La Trobe's new student accommodation building

This presentation will be based on a new cross-laminated timber building at the Bundoora campus. The new building is the 2nd largest cross laminated timber (CLT) construction in Australia and consists of 624 student rooms, 18,000m² GLA - \$100m project.

Sam Smith, Project Manager Sustainability, Design & Development, Deakin University

Climate Risk to Climate Ready: Building for Climate Resilience

As one of Deakin University's "Sustainability Commitments" and pathway to their 2030 goals, climate risk and adaptation recommendations have been developed for the delivery of the 2020 goal.

This process uncovered some unexpected risks and prompted a re-calibration around how we consider our future needs, design and build our campuses and also how our organisational governance, decision making and budgeting need to be reconsidered.

Some simple actions, including going back to design basics are currently being developed to answer complex problems. The Deakin RISE building will be the first project to have applied the concept of "climate readiness" and is looking like providing exceptional sustainability outcomes and %performance improvement on NCC2019.

Sam Smith, Project Manager Sustainability, Design + Development will share Deakin's journey from "Climate Risk to Climate Readiness".

Celeste Perfect, Strategic Project Director – Melbourne Business School

Pushing boundaries towards a Sustainable Business School

The Melbourne Business School new campus build is targeting leading edge sustainability initiatives, with a view to leading the way and setting a high standard of excellence for what can be achievable in new education facilities. There is a significant opportunity for the development to be an exemplar of the sustainable built environment in the Australian industry. See further details [here](#)

SESSION 4: ENGAGEMENT

Jodi Evans, University of Wollongong

UOW Pulse Setting the Bar for Sustainability

UniBar has been leading the way with sustainability with the Installation of a Pulpmaster waste to energy system.

An audit identified that a significant percentage of the waste generated from UniBar was going to landfill and recommended that UniBar and UOW Pulse overall focused on waste separation, in particular the Front of House areas. UniBar was the perfect environment to pilot the front of house separation system that would ensure we could maximise the benefits of a pulpmaster without contamination issues.

The system macerates the food waste and compostable food packaging into a pulp inside the machine before being transferred into a holding tank. The Pulpmaster can process up to 1,000 litres of organic waste in just 20 minutes. The pulp is then converted to a biogas for renewable energy generation which then fuels the Sydney Water Sewage Plant at Cronulla.

Jeff Robinson, Sustainability Leader, Aurecon & Alex Kennedy, Project Director in Major Projects, University of Melbourne

Co-Designing a Sustainable Student Precinct

In this presentation I will talk about Sustainability and Student engagement and the recent work which Aurecon have done with the University of Melbourne for their new student precinct which has been co- designed with the University of Melbourne's students as a World Class sustainable precinct. This is a joint presentation with the University of Melbourne in which we will talk about the student engagement process and how student ideas have influenced the design. We will also cover how the precinct has been designed to contribute to the University of Melbourne's Zero Carbon targets, the modern slavery assessment which was undertaken and the outdoor comfort assessments which were undertaken as part of designing for future resilience.

To bring some of these ideas to life we will include stories of a day in the life of a student using the new student precinct and to tell about some of the experiences she may have .

Leah Knapp, Murdoch University

Students Doing Good: Engaging students in the sustainability journey through the Sustainable Development Goals

Murdoch University became the first WA University to sign the University Commitment to the Sustainable Development Goals in March 2019. In November 2019 we hosted a student-driven sustainability ideation and problem solving event, the Students Doing Good Sustainability Challenge, with the aim to get students actively involved in implementing the Sustainable Development Goals on campus.

In partnership with selected industry mentors, six sustainability- related problem statements were developed to address 'wicked' facilities sustainability issues, framed through the lens of the Sustainable Development Goals.

While the 2 winning projects have the potential to be implemented on campus, the benefits of the event extend to all participants .

I propose to share my experience with organising this event and the outcomes from it, including next steps for implementation.

SESSION 5: OPERATIONS

David Wilson, Manager, Cleaning, Waste & Recycling, Australian National University

Are you throwing your money away?

With over 10 years' experience in managing waste contracts I thought, there must be a better way. How do you verify you are getting the service you are paying for? How do you get accurate data for reporting purposes? The answer is "Pay as you throw" weight based charging.

Craig McLauchlan, University of Wollongong

SBRC Presentation

Details to be provided

Benamine Duncan, Head of Sustainability, University of Technology Sydney

UTS opens its plastic free food court

In 2019, UTS celebrated the opening of our newest campus building UTS Central. The public food court in the building was designed to phase out single use plastics in response to environmental concerns of staff and students. Staff and students are encouraged to bring their own reusable cups, containers and cutlery. All take-away food packaging is commercially compostable (a mix of cardboard, paper, bamboo and PLA) and all drink containers are recyclable glass, aluminium and paper board. This development of the plastic-free food court was part of the UTS Plastic Free by 2020 Plan designed to phase out single-use plastics on campus. The UTS Central plastic-free food court sets a new benchmark for Australia and is a manifestation of the university's commitment to on-campus sustainability. In 2020, UTS will be converting around 19 tonnes of waste into usable compost, by diverting food scraps and packaging to be commercially composted rather than added to landfill.