

Net Zero Certification Forum for urban precincts

Event program

» Forum opening

9am AWST | 12pm AEST

Prof. Peter Newman - Curtin University

» Trajectory of net zero certification for urban precincts

9.15am AWST | 12.15pm AEST

Angelina Bowden-Jones - Curtin University

1 » Sustainability certifications in the built environment

9.30am AWST | 12.30pm AEST

Towards net zero precincts with Green Star Communities v2

Helen Bell - Green Building Council of Australia

NABERS – supporting the decarbonisation of commercial buildings and tool integration for precinct-scale application

Ryan Flack - NABERS

How EnviroDevelopment is responding to net zero

Taylor Hood - UDIA - EnviroDevelopment

Panel chair

Prof. Josh Byrne - Curtin University



2 » Global trends and Australia's response

10.50am AWST | 13.50pm AEST

Integrity matters, a global perspective

Bill Hare - Climate Analytics

The role of certification in reducing risk of greenwashing and implications of mandatory disclosure requirements

Dylan Byrne - BDO

Finance trends for urban development and net zero

Tim Wheeler - Clean Energy Finance Corporation

Panel chair

Angelina Bowden-Jones - Curtin University

3 » Net zero precincts in practice

12.25pm AWST | 15.25pm AEST

Practice oriented research for the transition to net zero precincts

Prof. Josh Byrne - Curtin University

Applying LCA tools to precincts

Rob Campbell - Cerclos

Next steps towards certification of net zero urban precincts

Mark Taylor - Hesperia

Panel chair

Margaret Gollagher - Curtin University

» Closing comments

13.35pm AWST | 16.35pm AEST

Angelina Bowden-Jones - Curtin University



Net Zero Certification Forum for urban precincts

A professional practice forum from CRC RACE
for 2030 Pathways to Net Zero Precincts Project

Speakers

Peter Newman is Professor of Sustainability at Curtin University in Perth, Australia. Peter is an academic who has written 20 books and over 350 papers on sustainable cities with a global reputation and has worked to deliver his ideas in all levels of government. Peter has worked in local government as an elected councillor in Fremantle, in Western Australia's state government as an advisor to three Premiers and in the Australian Government on the Board of Infrastructure Australia and the Prime Minister's Cities Reference Group. He is the Co-ordinating Lead Author for the UN's IPCC on Transport. In 2014 he was awarded an Order of Australia for his contributions to urban design and sustainable transport particularly for his work in saving and rebuilding Perth's rail system. In 2018/19 he was the WA Scientist of the Year. He is the Editor-in-Chief of the Springer journal Sustainable Earth.



Prof. Peter Newman
Professorial Lead –
Certification Pathway, and
Chief Investigator
Curtin University
Pathways to Net Zero
Precincts Project

Angelina is an Environmental, Social, Governance (ESG) Leader who is a PhD candidate exploring net zero precinct certification pathways for different urban fabrics in Australia to complement experience implementing ESG programs and projects, and an in-depth understanding of industry best practices and global regulatory environments. Angelina designed and established the ESG strategy, function and team structure for the Crown Resorts Group, and managed their ESG compliance obligations. These included National Greenhouse and Energy Reporting, NABERS ratings, Climate Active reporting, Green Star reporting, single use plastic bans in WA, Victoria and NSW, the Australian Packaging Covenant and Modern Slavery reporting requirements. Angelina is a member of Chartered Accountants Australia and New Zealand has more than 20 years of experience in tax across various jurisdictions around the world.



Angelina
Bowden-Jones
PhD Candidate
Curtin University
Pathways to Net Zero
Precincts Project

1 Sustainability certifications in the built environment

Helen manages research at the Green Building Council of Australia and the World Green Building Council, focusing on advancing sustainable built environments. She collaborates with government, academia, and industry to support policy development and research. Earlier this year, she led GBCA's research on Social Value in the built environment. Helen also serves on AURIN's Industry Advisory Board and leads GBCA's research collaborations with RACE for 2030. She is an accredited Qualified Practising Researcher (QPR) with the Australian Research Society.



Helen Bell
Senior Manager
Research
Green Building
Council of Australia

Ryan Flack is the Sector Lead for New Builds and Planning at NABERS and has been at NABERS for the past 3 years. Ryan's focus is bridging the gap between design intent and performance outcomes for new buildings. Prior to working at NABERS, Ryan has commercially grounded experience working on energy efficiency, solar and battery storage projects with commercial buildings across a range of sectors. Ryan is a strong advocate for sustainability in the built environment and has experience in policy and regulatory settings across the building lifecycle, including facilitating change in the National Construction Code.



Ryan Flack
Sector Lead
NABERS

Taylor Hood is an experienced Director at the Urban Development Institute of Australia (UDIA) Queensland where he heads up the research and sustainability departments, including managing the national sustainability rating tool EnviroDevelopment. With a background in residential development and a keen understanding of the complexities of urban growth, Taylor brings valuable insights into the challenges and opportunities within Australia's housing market. Taylor is passionate about shaping practical sustainable urban communities and fostering collaboration within the development industry.



Taylor Hood
Director of Sustainability
and Research
UDIA - EnviroDevelopment

2 Global trends and Australia's response



Bill Hare
CEO
Climate Analytics

Bill Hare is a physicist and climate scientist with 30 years of experience in science, impacts and policy responses to climate change and stratospheric ozone depletion. He is a founder and CEO of Climate Analytics, which was established to synthesize and advance scientific knowledge on climate change and provide state-of-the-art solutions to global and national climate change policy challenges. Hare was a Lead Author for the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report, for which the IPCC was awarded the Nobel Peace Prize in 2007. Hare has contributed actively to the development of the international climate regime since 1989, including the negotiation of the 1992 UN Framework Convention on Climate Change, the 1997 Kyoto Protocol and the Paris Agreement in 2015.

Dylan has more than 20 years' experience advising manufacturing and associated businesses, as well as providing strategic planning, growth planning, taxation and broad-based business advisory services. His clients have included specialty, high value manufacturers, Agricultural supply chain businesses, with a particular focus on high growth businesses. Planning for growth and future funding events, including exit planning, is of particular interest. Dylan also has a special interest in Environmental Sustainability issues and assists many companies with feasibility planning for renewable energy projects including Waste to Energy projects. Dylan is a big advocate for Advisory Boards and assists several clients with implementing boards as part of their governance program.



Dylan Byrne
Partner, Tax & Advisory
BDO



Tim Wheeler
Manager, Strategic
Research Programs
Clean Energy
Finance Corporation

Tim Wheeler is the Manager of Strategic Research Programs at the Clean Energy Finance Corporation. He is a senior built environment sustainability leader with a passion for developing and advocating for ambitious public policy to support the transition to net zero emissions. His career includes working for the Federal Government, the International Energy Agency, the Green Building Council and the Property Council of Australia. Tim holds a Bachelor of Science from the University of New South Wales, a Master of Environmental Science and Law from USYD and recently graduated from a course in Sustainable Finance from the University of Cambridge.

3 Net zero precincts in practice

Josh is an environmental scientist and urban design professional with a national profile as a consultant, researcher and communicator in urban sustainability. His approach is leadership through demonstration by engaging in projects that provide opportunities to test innovation, build capacity and share learnings with stakeholders and the wider community. Josh's research expertise spans water sensitive design, low carbon housing and sustainable urban development and he has authored a number of academic publications, industry guides, factual video series and popular books in these fields.

He is Dean of Sustainable Futures in the Faculty of Humanities where he supports learning and teaching, research and partnership activities. Josh's unique skill set and interdisciplinary approach to practice, research, policy and communication has been acknowledged by numerous industry awards including the Australian Water Association WA Water Professional of the Year and the Planning Institute of Australia WA Planning Champion.



Prof. Josh Byrne
Chief Investigator
Curtin University
Pathways to Net Zero
Precincts Project



Rob Campbell
Technical Group Lead
Cerclos

Rob Campbell, Cerclos' Services Group Leader, has been an LCA practitioner for the last 5 years. He's modelled over 70 building and infrastructure life cycle assessments and has saved approximately 47 million kg of carbon. Rob's expertise lies in pioneering low-carbon construction strategies that align with global net-zero goals for a diverse range of projects including large-scale transport infrastructure, commercial and residential buildings, and public health and education developments. He's also a contributing member of industry groups such as the ISC Sustainable Materials TWG, MECLA Working Group 2, and GBCA Responsible Products ERP.



Mark Taylor
Sustainability Manager
Hesperia

Mark is responsible for integrating Hesperia's sustainability vision within their projects and operations. He supports Hesperia's project teams in capturing and delivering on sustainability opportunities, while developing the business and processes to deliver on Hesperia's wider sustainability objectives. He is integral in making sustainability part of everyday operations. Mark spent his early years in the arts and then a decade in Europe in construction of theatres and opera houses. He has degrees in engineering and science, majoring in renewable energy. He has since spent over a decade working in sustainability consulting, with involvement in some of WA's most interesting and ambitious projects such as WGV, Perth Children's Hospital and now all Hesperia projects.

About Pathways to Net Zero Project

Pathways to Net Zero Precincts is a three-year research project to develop and implement innovative strategies for transitioning urban precincts towards net zero emissions. A collaborative initiative between Curtin University, the RACE for 2030 Cooperative Research Centre and a consortium of leading industry and research partners, case studies from across Australia form the testing ground for real-world interventions. <https://netzeroprecincts.au/>

