

**From Materials to Metrics:
Tackling embodied carbon across
the supply chain**

Lead Partner



Advisory Partners



Event overview



With Australia's built environment responsible for over 40% of greenhouse gas emissions and new ASRS legislation demanding Scope 1, 2, and 3 reporting by FY26, it is critical to move from strategy to implementation.

The Decarb Forum for the Built Environment will bring together developers, asset owners, architects, contractors, suppliers, and policymakers to tackle the complex realities of Scope 3 emissions, embodied carbon, supply chain transformation, and regulatory compliance.

Through technical deep-dives, proven case studies, and cross-sector collaboration, attendees will be able to learn from organisations leading the way in carbon reduction and circularity, operational decarbonisation, value chain integration, procurement reform and data standardisation.

Join us to accelerate industry-wide transformation through shared strategies, partnerships, and innovation to reshape how we build, operate, and retrofit Australia's Infrastructure for a net-zero future

Advisory committee

The Advisory Panel provides strategic guidance to ensure the program is relevant, impactful, and industry-leading — our sincere thanks for their invaluable contributions.



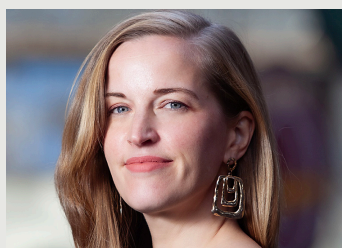
Alison Scotland
Chief Executive Officer
Australian Sustainable Built
Environment Council (ASBEC)



Deo Prasad
Chief Executive Officer
NSW Decarbonisation
Innovation Hub



Paolo Bevilacqua
Group Head of Sustainability,
Fraser Property Group, Director,
World Green Building Council



Clare Tubolets
Chief Executive Officer
SmartCrete CRC



Jane Cassidy
National Director
Australian Institute of
Architects (AIA)

Why attend?

Unlock Embodied Carbon Potential

Discover strategies to tackle embodied carbon at scale, and explore innovations in low-carbon materials like green steel and concrete

Decode Scope 3 Complexity

Understand how to effectively account for and reduce the extensive Scope 3 emissions encompassing procurement and embodied carbon

Master Value Chain Integration

Learn how to foster seamless contractual and information flow across the entire value chain, from developers to subcontractors, and leverage purchasing power for supply chain transformation

Accelerate the Energy Transition

Learn how leading developers, asset owners, and energy providers are turning transition plans into action, from renewable integration to electrification strategies, while balancing cost, reliability, and embodied carbon impacts

Gain Practical Case Study Insights

Move beyond theory with real-world examples of successful electrification strategies, renewable diesel adoption, and circular economy principles, providing actionable takeaways

Network with industry leaders

Connect with developers, asset owners, and sustainability leads tackling Scope 3 emissions, embodied carbon, and ASRS compliance to decarbonise Australia's built environment.

Who attends

The Decarb Forum attracts Australia’s most influential decision-makers driving sustainability transformation across the built environment value chain.

Roles & Focus Areas

- Chief Sustainability Officers
- Executive Directors
- General Managers & Heads of Property
- Sustainability & ESG Professionals
- Planning
- Design
- Procurement & Supply Chain
- Finance & Investment
- Development
- Construction
- Embodied Carbon
- Infrastructure
- Compliance & Innovation
- Government and Policy

Industry Sectors

- Property Developers & REITs
- Architecture & Design
- Construction & Engineering
- Commercial & Social Infrastructure Owners
- Asset Managers & Building Operators
- Sustainability Ratings & Compliance Bodies
- Local & State Government Planners



Speakers



Alison Scotland
Chief Executive Officer
**Australian Sustainable Built
Environment Council (ASBEC)**



Jane Cassidy
National Director
**Australian Institute of
Architects (AIA)**



Deo Prasad
Chief Executive Officer
**NSW Decarbonisation
Innovation Hub**



Tony Chappel
Chief Executive Officer
**NSW Environment Protection
Authority**



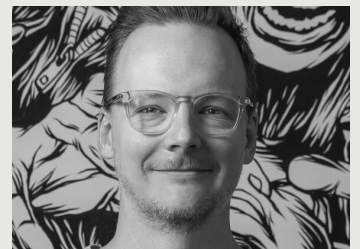
Clare Tubolets
Chief Executive Officer
SmartCrete CRC



Monica Richter
Program Director
**Materials & Embodied Carbon
Leaders' Alliance (MECLA)**



Jonathan Cartledge
Chief Executive Officer
Consult Australia



James Elk
Head of Product Development
NABERS



Matt Genever
Chief Executive Officer
Sustainability Victoria



Stefan Pruess
Associate Victorian
Government Architect
**Office of the Victorian
Government Architect**



John Thwaites AM – Chair
Monash Sustainable Development
Institute & Climate works Centre,
Monash University, Former Deputy
Premier of the Victorian Government

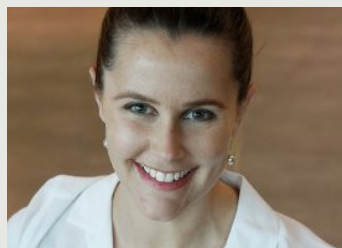


Trivess Moore
Associate Professor in the School of
Property, Construction and Project
Management, Associate Director
of the Sustainable Building
Innovation Laboratory
RMIT University

Speakers



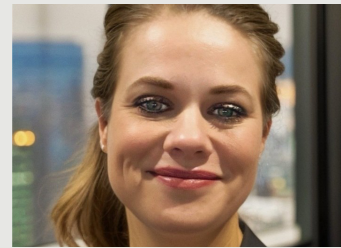
Darryl Stuckey
Head of Corporate Sustainability
Lendlease



Hollie Hynes
General Manager - Sustainability
and Environment
Laing O'Rourke



Inge Sarunic
Group Sustainability Manager
Icon Co



Lexia Laracy
Head of Procurement Excellence
The APA Group



Michael Di Russo
Director, Head of Property
Clean Energy Finance Corporation



Paolo Bevilacqua
Group Head of Sustainability,
Fraser Property Group, Director,
World Green Building Council



Connor McCauley
Head of Sustainability
JLL Australia



Nigel Justins
Principal
Architectus



Talina Edwards
Director
Enviroecture



Mattias Irger
Head of Sustainability
Cox Architecture



Sally Moxham
Manager of Low Emissions Buildings
**Department of Energy, Environment
and Climate Action**

Tuesday, 11 November 2025

8:00	Morning refreshments and registration		
8:30	Welcome to Country		
8:40	Welcome address from Impact X		
8:50	Chairperson's opening address MC: Alison Scotland , Chief Executive Officer, Australian Sustainable Built Environment Council (ASBEC)		Moderator: Alison Scotland , Chief Executive Officer, Australian Sustainable Built Environment Council (ASBEC) Panellists: Nigel Justins , Principal, Architectus Talina Edwards , Director, Enviroitecture Hollie Hynes , General Manager - Sustainability and Environment, Laing O'Rourke Inge Sarunic , Group Sustainability Manager, Icon Co
9:00	Government address: Policy and standardisation	10:50	Morning tea
9:10	Opening keynote: The urgency to act: From strategy to implementation <ul style="list-style-type: none">• Providing context for evolving focus areas in sustainable built environments, decarbonisation, circularity, resilience and regenerative• A snapshot of how built environment is delivering on above• Outline levers for change, policy and practice leadership• Case stories and exemplars Deo Prasad , Chief Executive Officer, NSW Decarbonisation Innovation Hub	11:20	Panel discussion: Rethinking procurement to drive low-carbon supply chain transformation Procurement is emerging as the most powerful, yet underutilised, tool in reducing embodied carbon. This session explores how leading developers, contractors, and suppliers are aligning to cut emissions through smarter procurement. <ul style="list-style-type: none">• What are the biggest scope 3 blind spots across the value chain?• How are leading organisations aligning specifications, standards, and supplier expectations?• What role should government and major asset owners play in sending market-shifting signals?• What does effective supplier engagement look like in practice?• How do you incentivise suppliers to disclose and decarbonise? Moderator: Alison Scotland , Chief Executive Officer, Australian Sustainable Built Environment Council (ASBEC) Panellists: Clare Tubolets , Chief Executive Officer, SmartCrete CRC Michael Di Russo , Director, Head of Property, Clean Energy Finance Corporation Darryl Stuckey , Head of Corporate Sustainability, Lendlease James Elk , Head of Product Development, NABERS
9:30	Opening peak bodies panel: Industry leadership perspectives <ul style="list-style-type: none">• What policy developments and regulatory changes should the industry prepare for in the next 12-24 months?• How are different peak bodies prioritizing decarbonization support for their members?• Where do you see the biggest coordination opportunities between industry organizations?• What are the most significant decarbonization challenges that require collective industry action?• How can peak bodies better collaborate to avoid mixed messaging and conflicting requirements? Moderator: Alison Scotland , Chief Executive Officer, Australian Sustainable Built Environment Council (ASBEC) Panellists: Jane Cassidy , National Director, Australian Institute of Architects (AIA) Monica Richter , Program Director, Materials & Embodied Carbon Leaders' Alliance (MECLA) Jonathan Cartledge , Chief Executive Officer, Consult Australia	12:00	Technical showcase: End-to-end carbon tracking: Embedding data from design to operation
10:10	Panel discussion: Embodied carbon & circularity: Tackling embodied carbon through asset lifecycles Embodied carbon reduction starts long before construction begins and continues well beyond handover. This session brings together architects, contractors, and sustainability leaders to explore how circularity and material decisions can be embedded at every stage of the asset lifecycle. <ul style="list-style-type: none">• How do you measure and reduce carbon at each stage from concept through completion and beyond?• What does "genuine circularity" look like in practice for construction projects?• How should material selection decisions change to prioritize embodied carbon reduction?• What end-of-life planning considerations should be built into project design from day one?• How do you balance embodied carbon reduction with operational performance requirements?	12:15	Speed networking: Finding your decarbonization partners A fast-paced, interactive networking session designed to connect you with potential collaborators, suppliers, and solution providers who can help accelerate your decarbonisation goals. In quick two-minute bursts, you'll meet fellow attendees and speakers, exchange contacts, and lay the groundwork for deeper connections and collaboration throughout the rest of the event.
		12:45	Lunch
		1:45	Breakout round tables In this session, participants will have the opportunity to connect in small groups to unpack shared system barriers and co-develop practical, scalable solutions.
			Table 1: Circular by design How can we maximize the use of low carbon, reclaimed, and circular materials in real-world projects? Focus Areas: <ul style="list-style-type: none">• Embodied carbon reduction through material choice• Barriers to specifying circular/reused materials• Lifecycle assessment and carbon benchmarking• Scaling material reuse beyond pilot projects Monica Richter , Program Director, Materials & Embodied Carbon Leaders' Alliance (MECLA)

Tuesday, 11 November 2025

Table 2: Build your scope 3 supplier strategy

What's your strategy to engage suppliers in cutting Scope 3 emissions across your projects?

Focus Areas:

- Key Scope 3 blind spots in construction and development
- Incorporating carbon into supplier selection and procurement criteria
- Data sharing, compliance, and verification
- Buyer levers: alignment, incentives, penalties

Lexia Laracy, Head of Procurement Excellence, The APA Group

Table 3: From chaos to clarity: Carbon data that works

How do we standardise, streamline, and scale carbon data to maximise outcomes in the built environment?

Focus Areas:

- Product and project-level carbon data tools
- Integration of LCA tools
- Gaps in standards and measurement methods
- Moving from reporting to real-time decision-making
- How do we ensure the increased access to carbon data leads us to better outcomes in the built environment

Trivess Moore, Associate Professor in the School of Property, Construction and Project Management, Associate Director of the Sustainable Building Innovation Laboratory, **RMIT University**

2:30 Panel discussion: Beyond the switch: Operationalising the energy transition in the built environment

Australia's clean energy transition is no longer a concept; it's an execution challenge. With many large organisations now publishing transition plans, the conversation must move from goal setting to delivery on the ground. In this session, leaders from development, energy, and finance will unpack how organisations are implementing energy transition plans across their portfolios and projects.

- What does a credible, implementable energy transition plan look like?
- Where are the biggest capability and resource gaps in project execution?
- How are leading firms balancing cost, reliability, and emissions across new and existing assets?
- What are the current limitations in technology, infrastructure, or regulation?
- How are international perspectives informing local transition planning?
- What role do developers, asset owners, and tenants play in energy performance over the long term?

Moderator: **Alison Scotland**, Chief Executive Officer, **Australian Sustainable Built Environment Council (ASBEC)**

Panellists: **Paolo Bevilacqua**, Group Head of Sustainability, Fraser Property Group, Director, **World Green Building Council**

Connor McCauley, Head of Sustainability & Innovation, **JLL Australia**

Mattias Irger, Head of Sustainability, **Cox Architecture**
Sally Moxham, Manager of Low Emissions Buildings, **Department of Energy, Environment and Climate Action**

3:10

Afternoon Tea

3:40

Innovation spotlight: Scaling what works: Technologies, materials & circular models

4:00

Panel discussion: Role of government & interventions required for market transformation

Embodied carbon remains largely unregulated, yet it makes up most of the emissions in new construction. This session explores the critical role of federal, state, and local governments in shifting policy, procurement, and regulation to accelerate industry action.

- Which policy levers are most effective in scaling embodied carbon reduction?
- How can government and industry co-design regulation that enables innovation without increasing cost or delay?
- What policies and incentives can shift the supply chain from compliance to proactive transformation?
- How can consistent tools and metrics be mandated to align the sector and enable measurable progress?
- What does a coordinated national decarbonisation approach look like — and how can industry effectively advocate for it?

Moderator: **Alison Scotland**, Chief Executive Officer, **Australian Sustainable Built Environment Council (ASBEC)**

Panellists: **Matt Genever**, Chief Executive Officer, **Sustainability Victoria**

Stefan Pruess, Associate Victorian Government Architect, **Office of the Victorian Government Architect**
John Thwaites AM, Chair, **Monash Sustainable Development Institute & Climate works Centre, Monash University**, Former Deputy Premier of the Victorian Government – Secretary

Tony Chappel, Chief Executive Officer, **NSW Environment Protection Authority**

4:40

In conversation: Closing reflections: From ideas to action:

To close the day, this interactive session will bring together key contributors from each major discussion to reflect on the most urgent insights, opportunities, and action points raised. Rather than more content, this is a moment for synthesis, candour, and forward momentum. What needs to happen next? What are the gaps we still haven't cracked? And what commitments can each part of the value chain take back to their teams?

- What are the top 1–2 ideas or tools we can immediately act on?
- Where are we still stuck, and how do we move forward together?
- What is one behaviour, policy, or procurement shift that would unlock real progress?
- What role can each stakeholder play in accelerating supply chain decarbonisation?

Moderator: **Alison Scotland**, Chief Executive Officer, **Australian Sustainable Built Environment Council (ASBEC)**

Panellists: **Jane Cassidy**, National Director, **Australian Institute of Architects (AIA)**
Deo Prasad, Chief Executive Officer, **NSW Decarbonisation Innovation Hub**

5:30

Closing remarks

5:35

Networking Drinks

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