

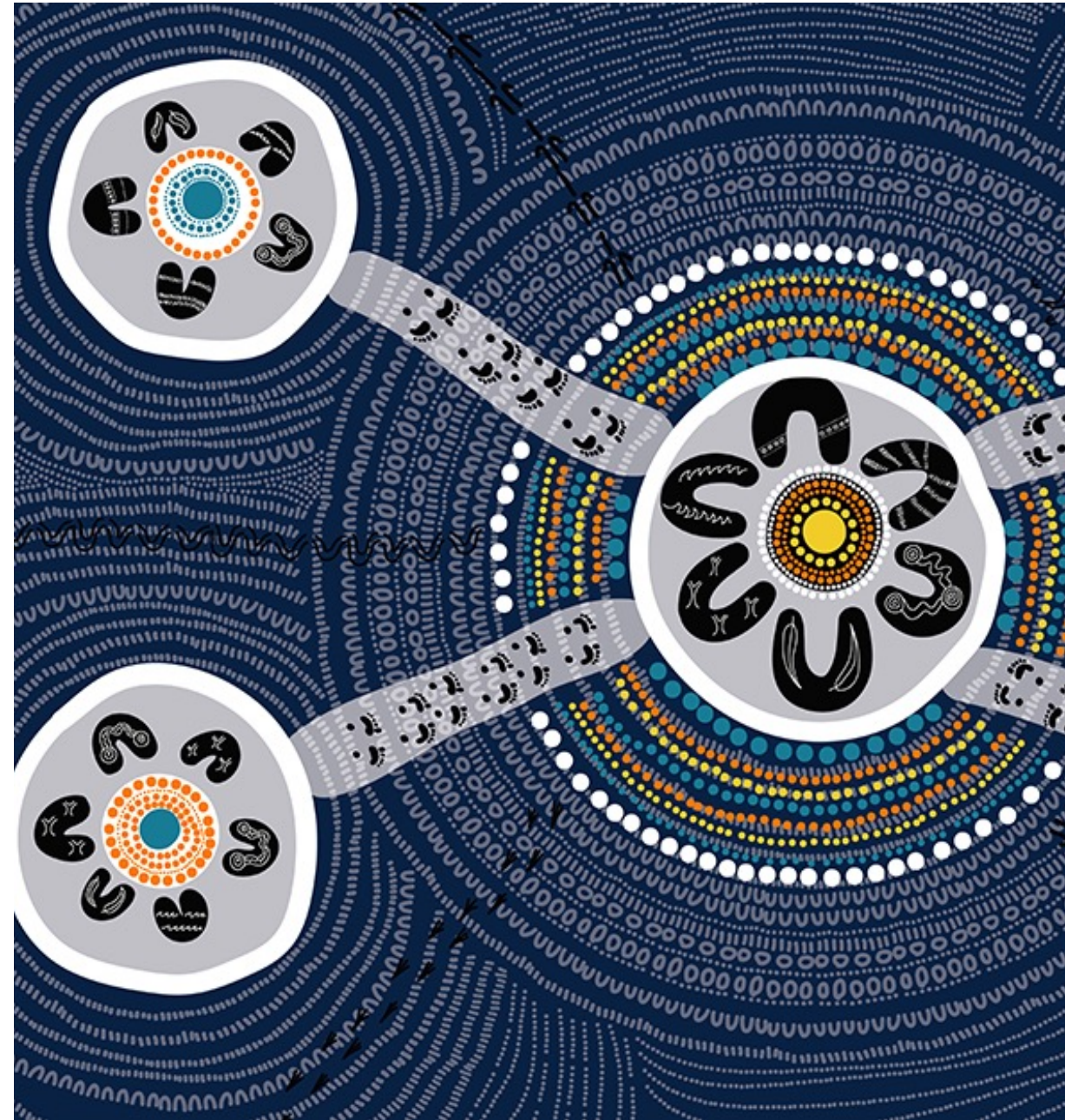


|| IS Update

2 May 2024

Acknowledgement of Country

The Infrastructure Sustainability Council would like to begin by acknowledging the Traditional Custodians of the land on which we meet today. I acknowledge their deep connection to land, water and culture, and pay my respects to their Elders past and present.



Agenda



1

Ratings & Delivery, Michel Colen,
Acting GM Ratings & Delivery

2

Technical & IS Essentials, Tyrel Momberg,
Technical Manager

3

Water & Energy Advisory Groups, Monique Isenheim,
Head of Market Development

4

Learning & Capability, Hayley Grieves,
Head of Learning & Capability

5

Membership & Events, Andrea Makris
Head of Business Engagement

6

Q&A
Please add any questions to the Q&A button





Ratings & Delivery Update

Michel Colen, GM Ratings & Delivery (acting)

Ratings and Technical – People

Stable Team at the start of 2024



Recruitment

- GM Ratings & Delivery (acting) – **Michel Colen**
- Promoted Chief Delivery Officer (acting) - **Owen Buckley**



Staff Departures FY24

- New Zealand PM (Saptarshi)



Ratings & Technical Team



Michel



Declan



Asim



Ben



Emelee



Nicole



Sarisha



Diego



Luke



Suzanne



Adam



Zaka



Randini



Mohsan



Ratings Delivery

Impact through IS Ratings



41 new registrations in FY23
36 new registrations in H1 FY24



42 certifications in FY23 - 24



27 v2.1 Ratings underway
16 IS Essentials Pilots



underway
240 Active Projects



2x IS Essentials Verifications (1x
Certification)

Key Dates

Registrations and Submission

20 February 2024 – Final contracts for
v1.2 registrations.





Technical & IS Essentials Update

Tyrel Momberg, Technical Manager

ISC Technical Team



IS Technical Director
Dr Kerry Griffiths

IS Technical Manager
Tyrel Momberg

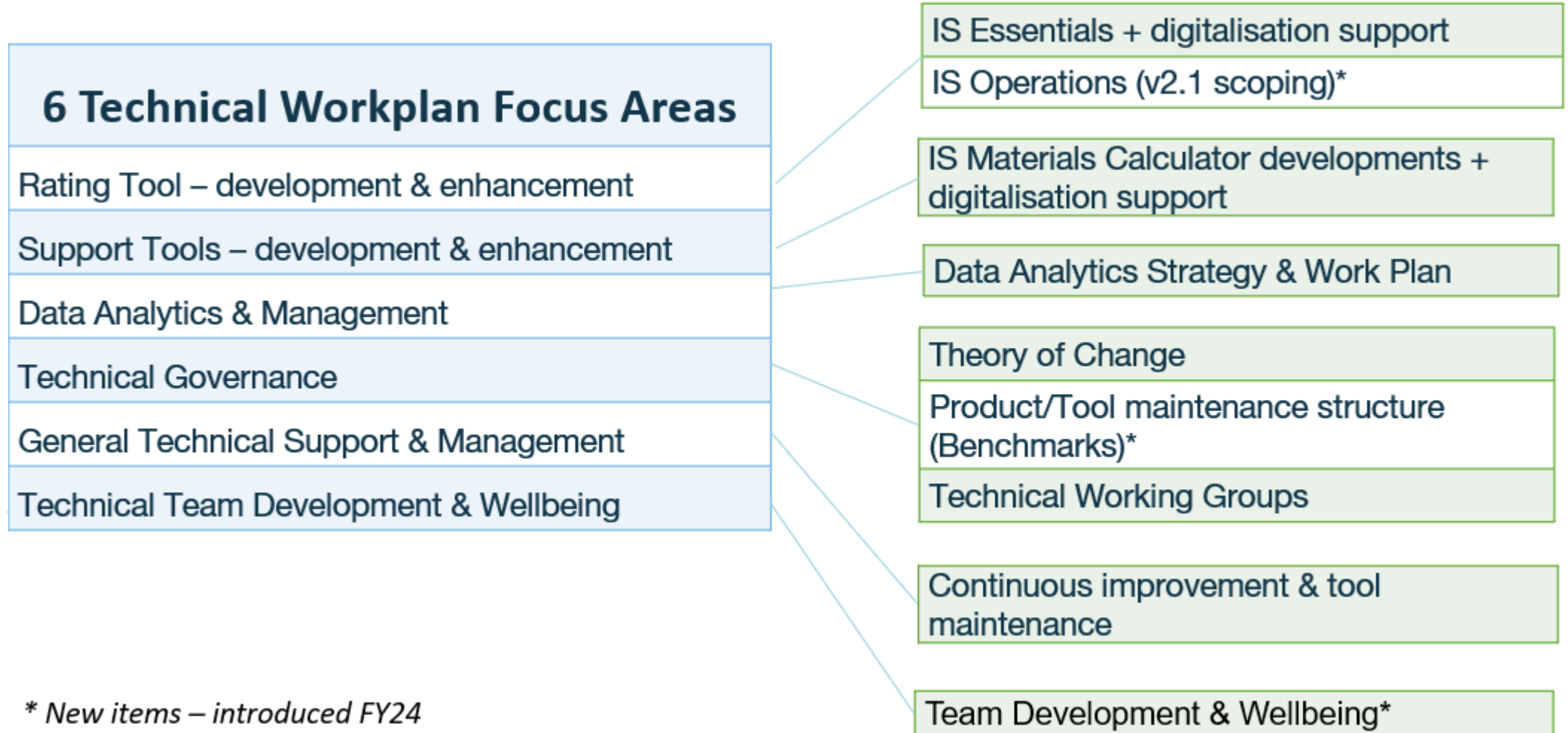
Senior Technical
Advisor
Gabriela Echavarria
Suarez

Senior Technical
Advisor
Amin Niazai

Sustainability Data
Analyst
Noel Johnson
Vallavanatt



Technical Workplan – areas & priorities



* *New items – introduced FY24*

IS Essentials - reminder

IS Essentials is the newest tool in the IS Ratings Scheme

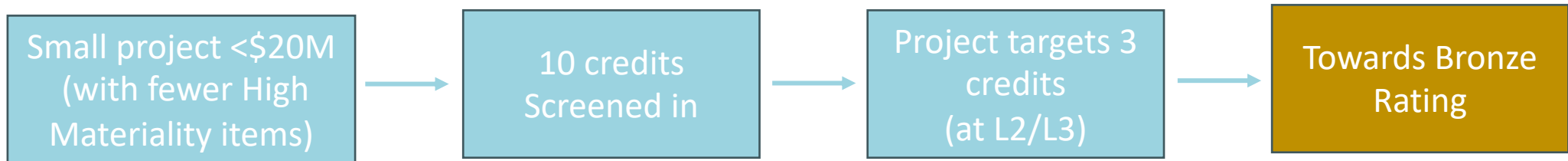
- Design & As Built Rating Tool for **Projects \$5m- \$100m**
- Developed with new users in mind: **Local government, Water, Energy**
- Built from IS v2.1 Design & As-Built Technical Manual but with **reduced complexity** and the ability to **scale**
- ISC's **first digital rating**
- Supported by the **Westpac New Zealand Government Innovation Fund**



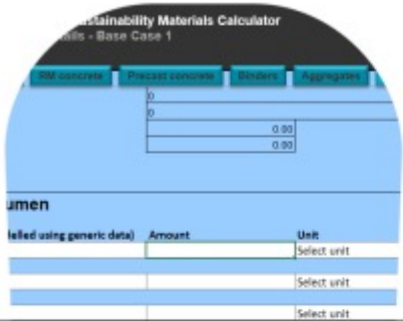
Materiality Assessment (automated process)

Capital Band	'Permanent' Credits Screened in	'Additional' Credits Screened in	Total Credits Screened in		'Elective' Credits Screened in
			Lower Limit	Upper Limit	
\$5 to < 20M	10	0 - 5	10	15	<i>voluntary</i>
\$20 to < 50M	10	5 - 10	15	20	<i>voluntary</i>
\$50 to 100M	10	10 - 15	20	25	<i>voluntary</i>

Possible scenario:



IS Materials Calculator developments



EN 15804+A2

Environmental impact category	Unit
Climate change - total	kg CO2-eq.
Climate change - fossil	kg CO2-eq.
Climate change - biogenic	kg CO2-eq.
Climate change - land use and land use change	kg CO2-eq.
Ozone Depletion	kg CFC11-eq.
Acidification	mol H+ eq.
Eutrophication aquatic freshwater	kg P eq.
Eutrophication aquatic marine	kg N eq.
Eutrophication terrestrial	mol N eq.
Photochemical ozone formation	kg NMOC eq.
Depletion of abiotic resources - minerals and metals	kg Sb eq.
Depletion of abiotic resources - fossil fuels	MJ (NCV)
Water use	m³ world eq. deprived

Additional impact categories	Unit
Particulate Matter emissions	Disease incidence
Ionizing radiation, human health	kBq U235 eq.
Eco-toxicity (freshwater)	CTUe
Human toxicity, cancer effects	CTUh
Human toxicity, non-cancer effects	CTUh
Land use related impacts / Soil quality	-

SINGLE COMPREHENSIVE ISMC - MODIFICATION REQUIREMENTS

DRAFT REPORT

EN 15804+A1

Impact category	Unit
Global warming	kg CO2 eq
Ozone depletion	kg CFC-11 eq
Acidification	kg SO2 eq
Eutrophication	kg PO4-- eq
Photochemical oxidation	kg C2H4 eq
Abiotic depletion (minerals)	kg Sb eq
Abiotic depletion (fossil fuels)	MJ

BILIT

AECOM

Prepared for
Infrastructure Sustainability Council
ABN: 53 131 329 774

NZ Data in IS Materials Calculator

18-Aug-2023
NZ data in IS Materials Calculator

Technical Working Groups #Leadership

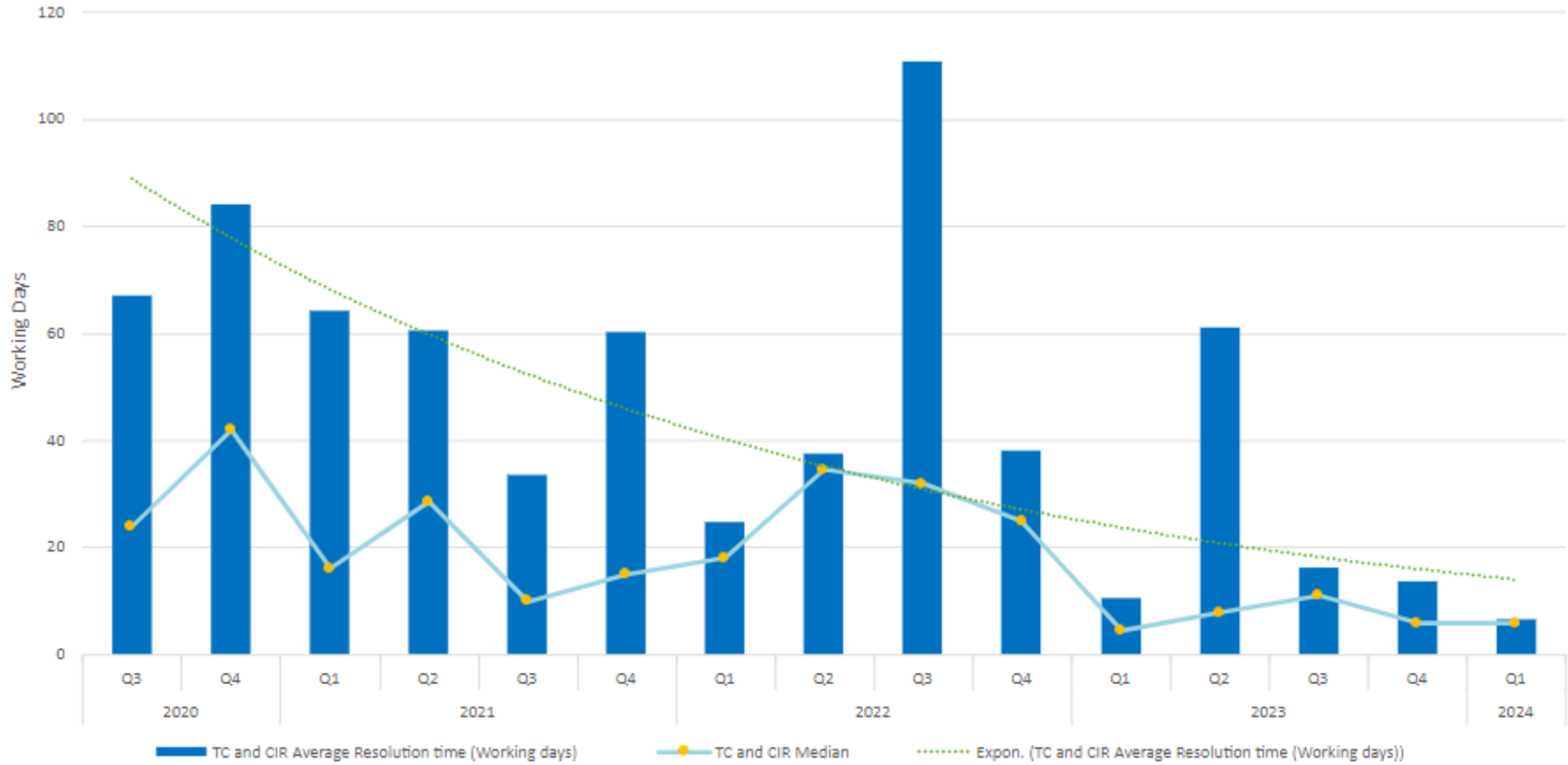
TWG	May 2024 updates
Proponent*	Completed paper on 'How to Contractualise an IS Rating' (by Proponents for Proponents); now with ISC to review and publish
IS Planning Scheme*	Closed out contributions on Planning Rating Review; progressing work on impacting project governance
IS Design and As-Built Scheme*	Progressing 'User Notes' (by Industry for Industry) – focus on Energy & Ecology (Energy User Note nearly complete)
IS Essentials Scheme*	Closed out contributions on Essentials Rating tool; progressing Templates
IS Operation Scheme*	Assisting strategize the initial scoping for the v2.1 Tool update
Sustainable Materials*	Closed out contributions on proposal for +A2 EPDs in IS Materials Calculator; progressing work on Recycled content definition

**All TWGs have provided new Workplan suggestions*



TCs / CIRs

TC & CIR Average resolution times



Rulings (since Jan 2024)

Revision 51: Addition of the following rulings:

- (v1.2 D&AB) - Cli-1.05, Cli-2.02, Dis-2.11, Dis-3.05
- (v1.2 Ops) - Dis-2.11, Dis-3.05, Lan-3.07, Lan-3.08, Man-3.02
- (v2.0 D & AB) - General.09
- (v2.0 Planning) - General.10
- (v2.1 D&AB) - General.09

Revision 52: Addition of the following rulings:

- (v1.2 D&AB) - General.11, General.12, Inn-1.19, Mat-1.12
- (v1.2 Ops) - General.11, General.13, General.15, Inn-1.19, Mat-1.12
- (v2.0 D&AB) - General.11, Inn-1.19
- (v2.0 Planning) - General.11
- (v2.1 D&AB) - General.11, General.14, Inn-1.19

Revision 53: Addition of the following rulings:

- (v2.1 D&AB) - Eco-1.10

Key Item

- **‘Endorsed date’ replaced with ‘Published date’ (Rev 51)**



Water and Energy Advisory Groups

Monique Isenheim, Head of Market Development

IS WAG – Recommendations

ISWAG Recommendations are being worked through

No.	Recommendation	ISWAG Priority	Status
5	Consider process or tool for portfolio/ programs/groups organisational verification	High	Done (for programs)
6	Show/communicate how IS ratings bridge the gap between organisational sustainability strategy and individual projects and how data can be used in ESG reporting	High	In progress
1	Provide ROI analysis on Ratings for water sector, and Review/articulate value proposition for organisations with comparably mature sustainability frameworks	Medium	In progress
2	Create case studies to demonstrate cost/benefit of ratings for water sector	Medium	Done, ongoing
3	Consider the group's Credit by Credit recommendations (V 2.1) for V2.1 and other tools as appropriate	Medium	In progress
7	Review Base Case approach and guidance	Low	Done
4	Small projects: Provide ratings tool that is accessible / proportionate for smaller projects	n/a	In progress
8	Provide Water specific guidance	n/a	In progress



➤ **New resources available:**

- IS Ratings for Water info brochure
- Parkes Water Treatment Plant Case study

➤ **Credits review underway**

➤ **IS Essentials for smaller projects**

➤ **Light Base Case in IS Essentials**

➤ **Resource Hub in development**



IS Energy Advisory Group – the “Why”

Purpose

The Purpose of the Energy Sector Advisory Group is to **enable Infrastructure Sustainability leadership in the renewable energy sector**, ensuring that all renewable energy infrastructure in Australia and New Zealand delivers cultural, social, environmental and economic benefits.

Objectives

- Foster a collaborative community of practice to help drive best (better) practice and support industry transition
- Provide market insight and intelligence to support capacity and capability building for Infrastructure Sustainability in the energy sector
- To report and make recommendations on stakeholder views relevant to ISC



Who are we as a Group?

Representation of the renewable energy generation, transmission and distribution sector in Australia and New Zealand

Members*

Renewable Energy Developers/Generators | CleanCo, Acciona, Stanwell, Pacific Blue, Meridian Energy (NZ)

Transmission/ Distribution Companies | Endeavour Energy, TasNetworks, TransGrid, Transpower

Consultants / Designers | WSP, Perspektiv, Jacobs, Pitt & Sherry, KPMG, Mott MacDonald, Aurecon

Contractors | Downer, Ventia

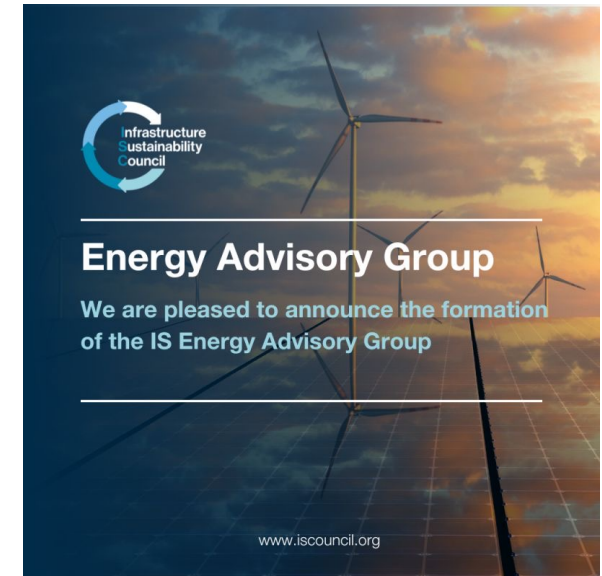
Key Suppliers (Steel, wires) | Infrabuild

Associations / Collaborators | Energy Charter

* Note there are several category overlaps, e.g. consultants/designers, Developers/Retailers

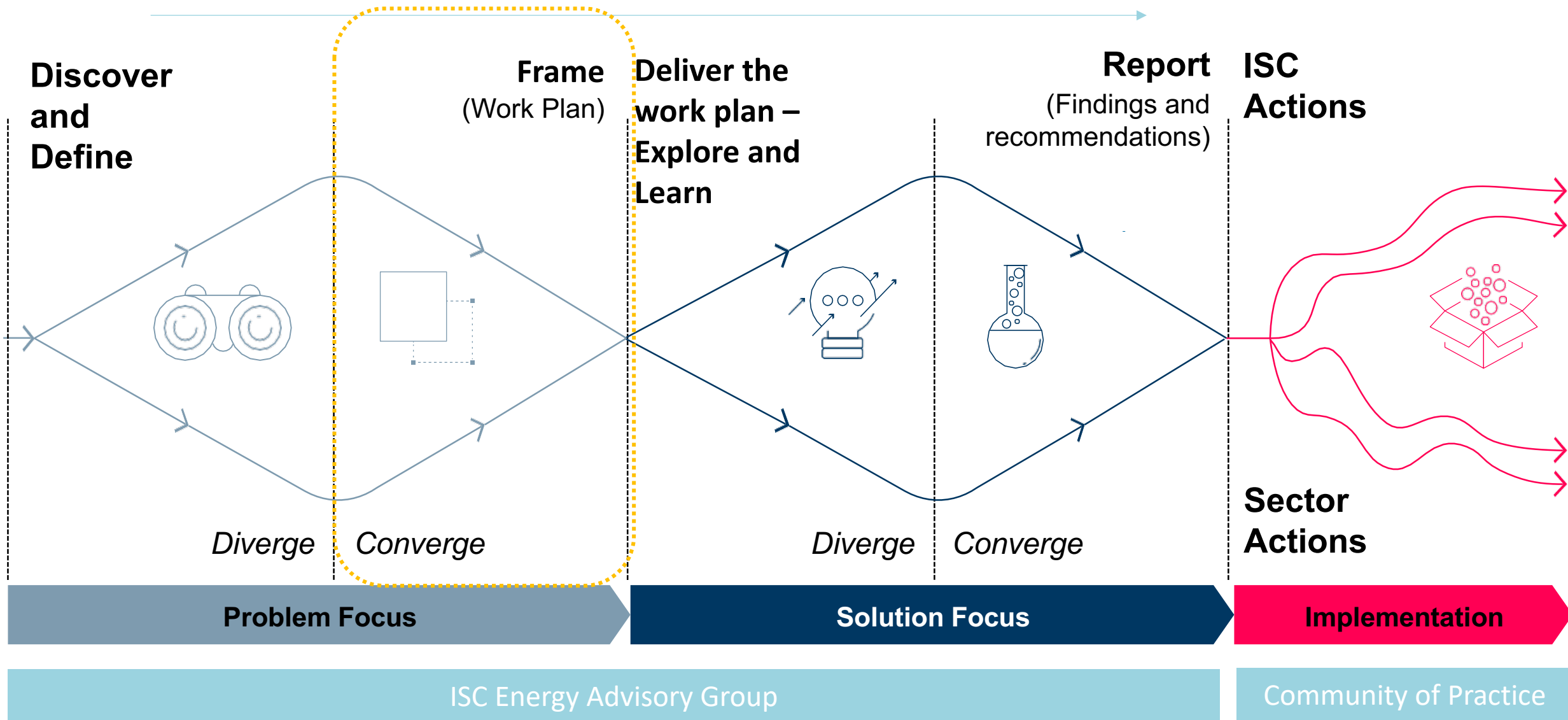
Community of practice

Open – please email monique.isenheim@iscouncil.org or your ISC contact to be included in updates



Process

We are here in May 2024





Learning & Capability Update

Hayley Grieves, Head of Learning & Capability

RISE Leadership Mentoring

Applications close May 13th

What's involved

- Virtual 9-month program (June to Feb)
- Australia & New Zealand.
- 20 Mentors and 20 Mentees.
- Algorithm matching.

Benefits

Participants in previous cohorts report a number of benefits that include:

- improved confidence and self-awareness,
- clearer career direction, and
- enhanced leadership skills

RISE Mentoring Program
A mentor's perspective

Infrastructure Sustainability Council

Helping our future leaders, and giving back to an industry that has given me so much, is incredibly personally important to me. Being able to help, offer viewpoints or ask questions from the perspective of experience to help mentees arrive at their own answers or approaches on issues or situations that I've already navigated through is just wonderful. For me, to be able to assist in giving confidence to someone taking their next steps, making change in their careers, or making a greater impact is so rewarding. It's something I enjoy doing, as the learning is often reciprocal, and is a great way of creating new relationships and friendships that have the ability to endure well beyond the timeframe of the formal mentoring program.

- Nicole Neal -
Chief Executive Australia, Tonkin + Taylor

Program sponsored by
GAMUDA

RISE Mentoring Program
A mentor's perspective

Infrastructure Sustainability Council

“

I decided to be a mentor because I think the job of a leader is to help grow the next leaders. The RISE program provides an opportunity for me to offer additional support to someone seeking to grow their impact in sustainability. From the program, I'm hoping to learn more about the industry from someone with a different perspective.

- Scott Matyus-Flynn -
Head of Built Environment Sustainability Transformation, Edge Impact

Program sponsored by
GAMUDA Australia

RISE Mentoring Program
Highlight from a mentee

Infrastructure Sustainability Council

“

One of the big challenges I've found in infrastructure sustainability is influencing without authority. I am keen to learn from an experienced sustainability champion the leadership strategies necessary to drive ESG outcomes on projects.

- Annette Taylor -
Sustainability Advisor, Acciona

Program sponsored by
GAMUDA

IS Planning

Course commencement 22nd May

Undertaking a Planning rating

- Strategic & Detailed
- Key elements, Categories, and Credit linkages

The Options Assessment

- Economic theme - Options Assessment
- Significance thresholds
- Applying sustainability criteria to significant decisions

Prioritising & undertaking credits

- Credit Deep Dives

Tools and Resources

Videos

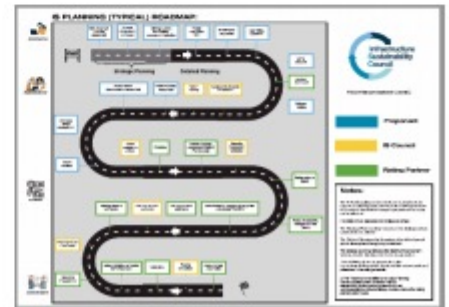
- An introduction to IS Planning
- Main Roads WA, Embedding sustainability at the outset
- GHD, Sustainability Procurement

Case Studies

- Applying Sustainability to Options Assessment with East Link
- Lessons learnt from Bunbury Outer Ring Road

Take away resources

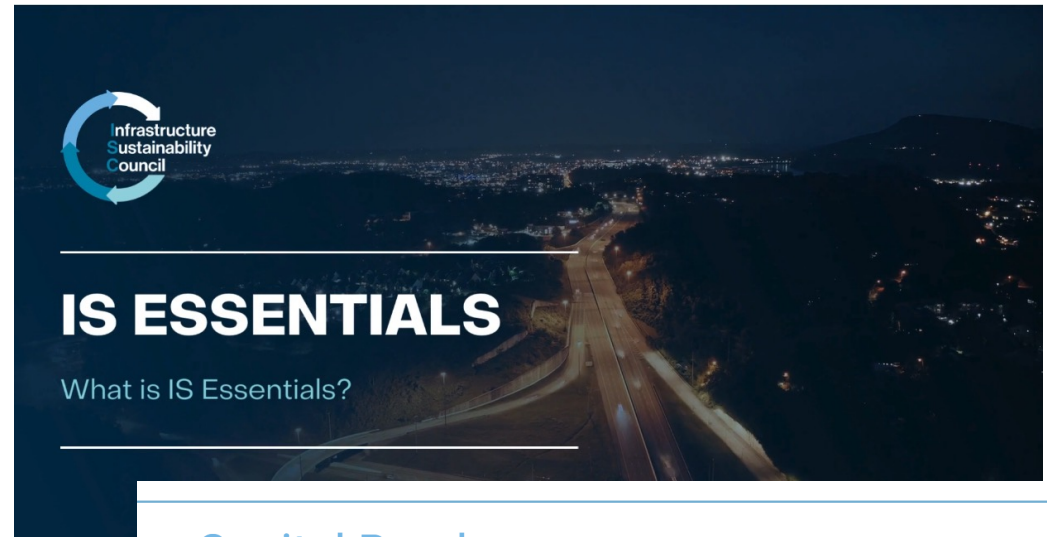
- IS Planning fact sheet
- IS Planning roadmap
- IS Planning certificate



IS Essentials toolkit

Available from 27th May

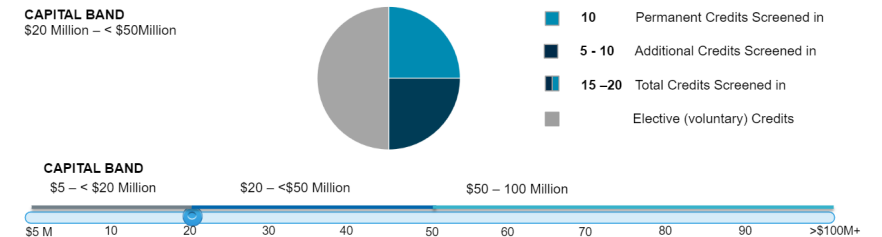
- ▶ Overview of IS Essentials
- ▶ Materiality Assessment
- ▶ Base Case/ Modelling pathways
- ▶ Adjusted/Modified credit criteria
- ▶ Digital Platform
- ▶ IS Essentials Quiz
- ▶ IS Essentials Certificate



Capital Bands

The number of credits 'screened in' is assigned by the project's Capital value.

In the IS Essentials (Design & As Built) rating, the completed Materiality Assessment is used to determine the number of credits available to be targeted.



▲ Move the slider across the capital bands to see how it affects the screened in credits.

Capability Framework

Coming June 2024

- support infrastructure sustainability professionals to further develop their skills and knowledge
- guide career development
- detail the areas of practice applied by infrastructure sustainability professionals
- outline the capability expectations from graduate/ junior level through to experienced levels.



Infrastructure Sustainability Capability Framework

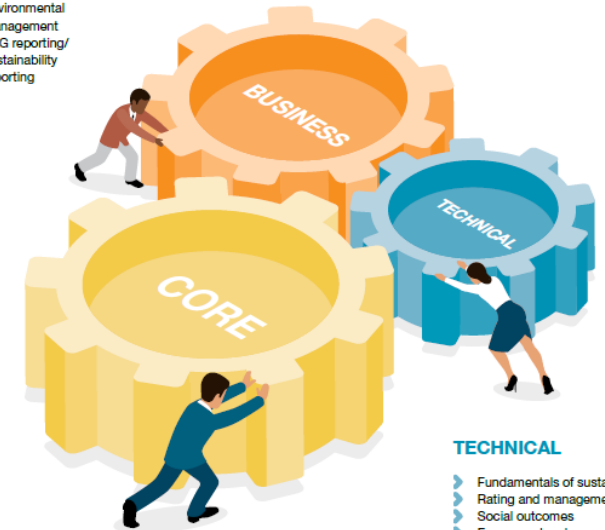


Infrastructure Sustainability Capability Areas of Practice

The infrastructure sustainability capability subtypes, **technical**, **business** and **core** can be further distilled into areas of practice. In total this framework contains twenty seven infrastructure sustainability capability areas of practice. The diagram below displays the areas of practice against each capability subtype.

BUSINESS

- › Change management
- › Construction planning process
- › Data literacy
- › Design reviews
- › Environmental management
- › ESG reporting/ sustainability reporting
- › Interpreting technical information
- › Project management
- › Stakeholder engagement



CORE

- › Agile critical thinking, interpretation of information and problem solving
- › Collaboration
- › Coping with uncertainty and ambiguity
- › Negotiation and influencing
- › Leadership
- › People management
- › Understanding biases
- › Communication

TECHNICAL

- › Fundamentals of sustainability
- › Rating and management tools
- › Social outcomes
- › Energy and carbon
- › Climate risk, adaptation and resilience
- › Sustainable supply chain and procurement
- › Resource efficiency
- › Biodiversity
- › Mechanical physical principles of engineering

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Sustainability, a career path in construction



**Report Launch event
Thursday 4th July**

Sustainability Skills

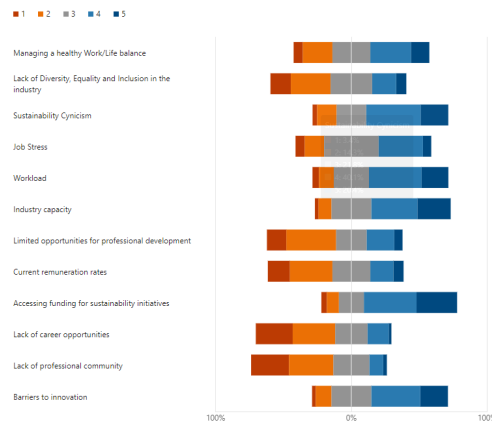
Calling all Infrastructure Sustainability Professionals!!

Thanks to NSW Government funding, the ISC is undertaking research into the skills essential for professionals in the field of infrastructure sustainability.

Contribute to the research that will shape the future of your profession. Complete the Skills Survey.

58% female

+300 responses



Infrastructure Sustainability Council (ISC)
14,339 followers
3w • Edited •

Thanks to everyone who attended the International Women's Day brunch, part of the **NSW Women in Construction** Industry Innovation Program, where we celebrated the achievements of remarkable women in the construction industry and 1...see more

Infrastructure Sustainability Council

"Ensuring all infrastructure delivers cultural, social, environmental and economic benefits."

Kiara Walden
Construction Worker
Seymour Whyte

Infrastructure Sustainability Council (ISC)
14,339 followers
3w • Edited •

Alyssa Slaney shares her journey of transforming Australia's busiest transport hub into a sustainability showcase, breaking barriers in a predominantly male-dominated industry. She emerges as a sustainability champion and catalyst for change, inspiring others with her innovative approach and dedication to environmental progress.

with You and 9 others

You and 56 others

Like Comment

Find out more about Alyssa's sustainability journey here:
<https://lnkd.in/gK-ucAdS>

#WomenInInfrastructure #Sustainability #Inclusion

Career Stories from Women in Sustainable Construction

"You don't need to have sustainability in your title to make a positive change. You can be in safety, engineering, marketing and communications, commercial, design, planning, quality, human resources or any other function for that matter. There is a place for you in construction – and you are very much wanted and needed."

Alyssa Slaney | Liang O'Rourke

Career Stories - ISCouncil

Workplace Culture in Construction

NEXT >

Why Construction Needs to Change

Construction is becoming a less appealing option for many people. Watch this video to find out more about the reasons for the shift, and hear what you can do to help attract more people to this important industry.

BACK **NEXT**



Membership & Events

Andrea Makris, Head of Business Engagement

ISCouncil Members

Over 200 organisations committed to accelerating sustainability outcomes for infrastructure

Proponents / Financiers



Policy & Regulation



Asset Owners / Operators



ISCouncil Members

Over 200 organisations committed to accelerating sustainability outcomes for infrastructure

Consultants



Contractors



ISCouncil Members

Over 200 organisations committed to accelerating sustainability outcomes for infrastructure

Suppliers



NFP/Industry Association/SME



The value of membership



Collaboration, Networking and Engagement

- Join a large and dedicated community of practice.
- Contribute to and access sustainability publications, regular newsletters, podcasts, social media communications, thought leadership reports and the annual impact report.
- Engage in networking events, forums, webinars and conferences.



Knowledge, Learning and Capability

- Invest in sustainability, the leadership competency of our time.
- Build the capacity of your entire organisation with access to member exclusive rates and resources.
- Customise a bespoke training course to address your unique sustainability goals and challenges.



Advocacy, Influence and Impact

- Collaborate to help amplify our collective impact and influence, and to inform the future of sustainable infrastructure.
- Contribute to sectoral and technical advisory groups.
- Advocate and inspire impact around critical themes including climate action, circular economy, modern slavery and resilience.



Leadership, Commitment and Assurance

- Communicate a commitment to sustainability to your staff, government, clients and the global community.
- Showcase and be recognized for your project outcomes, sustainable products and innovative services.
- Provide assured metrics for your mandatory reporting, improve access to sustainable finance and escalate your market position.

IS Council Member Resources Hub

Welcome to the IS Council Member Resources Hub

Below you will find information and resources to help you to leverage and promote your IS Council Membership.

If you need any further information or support, please email info@iscouncil.org



ISC Member Prospectus

A document that outlines the benefits of membership, an overview of the Infrastructure Sustainability Council, current members and the IS Rating Scheme.

[Download](#)



ISC Member Charter

A statement of member commitments.

[Learn More](#)



ISC Brand Guidelines

Please ensure you adhere to the ISC Brand Guidelines whenever you are using our corporate brand and logos. The Member Agreement will outline the legal limitations of the use of these ISC corporate assets.

[Learn More](#)



ISC Member Agreement

A legal document that outlines the terms and conditions of your IS Council Membership.

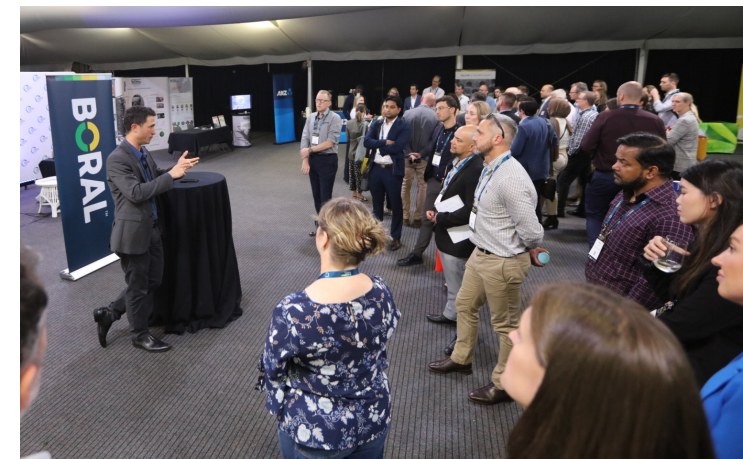
[Learn More](#)

Member Resources Hub Highlights

- Resources to help leverage and promote your IS Council Membership
- Updates on Member-Only Opportunities
- Access a step-by-step guide on how to initiate and optimise your ISupply listing.
- Member Content Portal:
 - Submit content that you propose to share with the ISC membership community in relation to your impact, innovations, case studies, or the profile of one of your leaders.
- Frequently Asked Questions (FAQs):
 - Find answers to common queries and make the most of your membership.

Engagement Opportunities for Members

- Exhibiting or presenting **insights and case studies** at annual conference or state-based knowledge sharing events.
- Contributing a case study in the annual ISC Impact Report or via webinars.
- Coordinating a tailored engagement to support your strategic priorities. Eg Having an ISC speaker at your own event.
- Being recognised for excellence at the annual ISC Gala Awards.
- Participating in regional networking and certification events, executive roundtables, webinars and focus groups.
- Learning and contributing via the Technical Working Groups, Advisory Groups and Member Coalitions eg Modern Slavery Coalition
- Hosting or attending site tours and special events.



2024 Engagement Opportunities (part year sample)

For engagement opportunities check IS Events www.iscouncil.org as well as your inbox

Date	Region	Event
7 MAY	NSW	Women in Sustainable Construction Lunch
16 MAY	Webinar	IS Ratings Case Studies – Tonkin Highway Gap Project and Te Ara Tupua
30 MAY	Webinar	Spotlight on Suppliers – NZ Edition
18 JUNE	Auckland, NZ	Modern Slavery in Infrastructure Sector I Connect Breakfast
19 JUNE	Auckland, NZ	ISAP Day
19 JUNE	Auckland, NZ	Certification and Networking Event
TBC	NSW	Certification and Networking Event
11 JULY	QLD	Certification and Networking Event hosted by BESIX Watpac
17 JULY	VIC	Certification and Networking Event hosted by CPB
29-31 Oct	Sydney	Connect Conference (Prospectus Coming Soon)
31 Oct	Sydney	Gala Dinner and ISC Awards

Spotlight on Suppliers webinars

A showcase of 6 ISuppliers every two months delivered via webinar.

Delivered in a snappy 45 minute lunchtime session, you will hear a quick presentation from each supplier followed by a short Q&A.

Tune in if:

- you are a procurer, influencer or decision-maker seeking suppliers that are willing to go beyond business-as-usual
- you wish to stay up-to-date with the latest products and services in the infrastructure sustainability space
- you are undertaking an IS Rating and looking for collaborative partners to accelerate your pathway to better outcomes for your project.

Next webinar on 30 May to focus on New Zealand.





Q&A



Thank You