CONVERGENCE

for a carbon transition

2020-2030

real scenarios

real changes

signalling

consultation

Engineers Technical Leaders

problem solving

innovation

Ministry for Environment Political Leaders Ministry of Transport Interim Climate Change Committee **Ministry for Environment Political Leaders** **Diary Industry**

lead the transition to a low carbon future 21-22 Nov 2019

Wellington | Victoria University Christchurch | The University of Canterbury Dunedin | University of Otago Your town | via www **Auckland** | AUT

This "convergence" is for everyone listed in the word clouds above - students, technical professionals, the business sector and government - whether you have a formal leadership role or not. We hope that 70-80% of attendees will be technical professionals. The convergence will include workshops and educational plenary sessions. Workshops will respond to strategic briefs from market leading organisations in NZ, and develop an indicative business case for a "shift project" to cut carbon emissions. Details of market sectors, programme & venues to follow.



















BEFORE THE CONVERGENCE:

IDENTIFY PARTNER COMPANIES/ORGANISATIONS

who will provide sponsorship and a "strategic case for transition" that describes their business context & emissions reduction challenges in the next 10 years

STRATEGIC CASE FOR TRANSITION

May include: corporate objectives, past & present emissions trajectory, drivers & market context for carbon transition, challenges in adapting to low emissions economy, stakeholder identification, and a request for help to develop a "shift project" to address the strategic need for change

DELEGATES SELECT A CASE OF INTEREST

and are assigned to working groups of 6-7 people

ASSEMBLE TECHNICAL & ECONOMIC ADVISORS

Industry representatives & technical experts in at least one aspect of emissions reduction technology would be invited to attend at a discounted rate, and embed themselves within working groups as advisors and active participants

2019 CONVERGENCE PROGRAMME:

Thursday 21st November

0730	Breakfast, registration & login
0800	Plenary session – inspiring carbon transition Welcome by Engineering NZ, GATE, TSS, ESR International keynote speaker – TBA Engineering leadership – Dr D. Prentice (NZICCC) Introduction to workshops
0930	Transition Scenarios - Phase 1 - working group formation Assemble working groups, introductions, group operating agreements Workshop overview, reading of "strategic case for transition" Morning tea within working groups (10:00-10:30am)
1100	Plenary session – context of transition – the next 10 years Political – Russell Norman, Greenpeace Economic – Hon. Grant Robertson Social – Hon. James Shaw Technological – Prof. Juliet Gerrard (Chief Science Advisor to PM)
1230	Lunch
1330	Transition Scenarios - Phase 2 - identify the underlying problem Working groups consider the "strategic case for transition" within its market context - past, present, future, political, economic, social & technological aspects. Identify the range of benefits, risks & constraints, then define the underlying problem to be addressed.
1330	Transition Scenarios - Phase 2 - identify the underlying problem Working groups consider the "strategic case for transition" within its market context - past, present, future, political, economic, social & technological aspects. Identify the range of benefits, risks & constraints,
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1500	Transition Scenarios - Phase 2 - identify the underlying problem Working groups consider the "strategic case for transition" within its market context - past, present, future, political, economic, social & technological aspects. Identify the range of benefits, risks & constraints, then define the underlying problem to be addressed. Afternoon tea Streamed webinars - emissions reduction technology Parallel streams in Auckland, Wellington, Christchurch. 4 x Smin sessions followed by Smin Q&A at each location. All live streamed and recorded. Example topics: ETS, renewable energy, electrified transport, carbon

Workshaps at this convergence will be loosely based on the Better Business Case Framework, and develop an indicative business case for a "shift project" to cut carbon emissions.

Friday 22nd November

Recolfoot India

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U73U	Breakfast, login
0800	Working group – feedback & briefing session
	2 or more attendees from each working group receive detailed briefings on
	workshop objectives, process, documentation,
0830	Transition Scenarios – Phase 3 – identify improvement options
	Working groups innovate using backcasting and ideastorming tools.
	Identify 3-5 short-list aptions to address the underlying problem.
	Initial idea screening. Identify any knowledge gaps and book consultation with
	industry representatives and/or technical experts.
	Develop evaluation criteria for solutions.
1000	Morning Tea
1030	Transition Scenarios - Phase 4 - expert coaching sessions
	Working groups view streamed tutorial on approximate methods for quantifying
	emissions (20mins), then host 4 x 15min meetings with their selected experts.
	Finalise evaluation criteria and assign weighting.
1230	Lunch
1330	Transition Scenarios – Phase 5 – develop "shift project"
	• • •
	Working groups use evaluation criteria developed in Phase 4 to rank the
	improvement options identified in Phase 3. Develop the best option into a "shift
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1500 1530	improvement options identified in Phase 3. Develop the best option into a "shift project", outlined in tabular format. Plan a 3min verbal presentation on the project. Afternoon tea Transition Scenarios – Phase 6 – presentation of "shift projects"
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1530	improvement options identified in Phase 3. Develop the best option into a "shift project", outlined in tabular format. Plan a 3min verbal presentation on the project. Afternoon tea Transition Scenarios - Phase 6 - presentation of "shift projects" Working groups make 3 minute verbal presentations in parallel streams, judged by representatives of organisation providing the group's transition scenario.









CONVERGENCE FOR A CARBON TRANSITION 2020-2030

Auckland | Wellington | Christchurch | November 21-22, 2019

A bringing together of New Zealand's best technical minds for co-creation of innovative paths forward that change the current trajectory, offering inspirational speakers and facilitated workshops for transition projects with technical/economic advisors

Objectives

- ✓ Find ways to enable businesses to thrive in the face of future constraints
- ✓ Explore CO₂ reductions beyond carbon off-setting to future proof industry
- ✓ Learn from low carbon future experts
- ✓ Discover real innovations that will meet the call for urgent and unprecedented action
- ✓ Partner and collaborate with organisations on the low carbon trajectory
- ✓ Answer the call for action and identify meaningful change

Your Partnership Opportunity

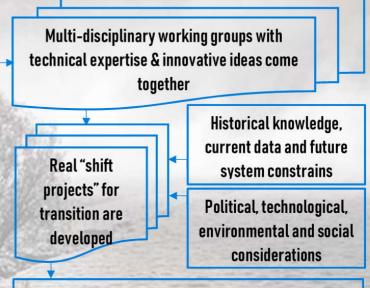
Prepare now

Join with 10-15 corporate partners and invest \$5,000 sponsorship in this event

Write your "strategic case for transition" that describes your business context & emissions reduction challenges over the next 10 years (template to follow)

Prepare at least one delegate to inform and participate in the working group process at the convergence (you will receive one free registration)

At the convergence



Pragmatic action plans with direct opportunities for implementation are developed and technical professionals are equipped with skills & contacts they will need for carbon transition