

CONVERGENCE for a carbon transition 2020-2030

problem solving

innovation

consultation

signalling

real scenarios

real changes

Practitioners
Professionals
Carbon Capture
Economists
Practitioners
Architects
Scientists
Quantity surveyors
Scientists
Climate scientists
Technical Leaders
Researchers
Quantity surveyors
GNS
Carbon Capture
Architects
Engineers
Technical Leaders
Climate scientists
Sustainability experts
Consultants
Economists
Researchers
Professionals
Economists
Researchers
Technical Leaders
Engineers
Climate scientists

Ministry for Environment
Political Leaders
MBIE
Treasury
Interim Climate Change Committee
Ministry of Transport
Treasury
Political Leaders
Ministry of Transport
Interim Climate Change Committee
Ministry for Environment
Political Leaders

Rail Transport
market leaders
agriculture
Supermarkets
Sustainable Business Council
iwi
buildings
construction
Housing
Farming
Climate Leaders' Coalition
energy
industry
Fisheries
Sustainable Business Council
Diary Industry
Transport Leaders
waste
Business
Fuel Companies
electricity
market leaders
Business

lead the transition to a low carbon future

21-22 Nov 2019

PRELIMINARY FOR REVIEW
HELP US IDENTIFY BUSINESS PARTNERS

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

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.

organisers + key sponsors:

TBA



TBA

TBA

TBA

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.

1500 Afternoon tea

1530 Streamed webinars – emissions reduction technology

Parallel streams in Auckland, Wellington, Christchurch.
4 x 15min sessions followed by 5min Q&A at each location.
All live streamed and recorded.
Example topics: ETS, renewable energy, electrified transport, carbon capture & storage, The Big Do, buildings, waste, forestry

1700 Drinks

1900 Conference dinner (optional)

Workshops 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

0730 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 options 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 project", outlined in tabular format. Plan a 3min verbal presentation on the project.

1500 Afternoon tea

1530 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..

1630 Closing address

Invited speaker [TBC]

1700 Farewell

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

Multi-disciplinary working groups with technical expertise & innovative ideas come together

Real "shift projects" for transition are developed

Historical knowledge, current data and future system constraints

Political, technological, environmental and social considerations

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