

Tyndall[°]Centre

for Climate Change Research

Tyndall Assembly 2022: Climate Action – From Global to Local

Wednesday 14th September - Friday 16th September
(Hosted by Newcastle University)

With the focus of the last year on COP26 and global climate action, this year we would like to turn our attention to the local scale, where climate action often occurs. The theme of this year's Tyndall Assembly is **Climate Action – From Global to Local**, and will focus on three themes:

- Understanding local initiatives for decarbonisation
- Exploring local action to build climate resilience, both in Developed Countries and the Global South
- Developing new insights about the linkages between decarbonisation and resilience and adaptation at the local scale

Venue Details:

The main Assembly will be hosted at the Henry Daysh Building, Newcastle University, on Thursday and Friday. <https://goo.gl/maps/cyePE3pFfN9yxM7X6>

The Wednesday public event will be hosted by our friends at the Life Science Centre, Newcastle. <https://g.page/scienceatlife?share>

The Thursday event will be hosted at Tyne Bank Brewery: <https://goo.gl/maps/wiSgW39Vz46pddWG9>

The TECN event will be hosted at the Henry Daysh Building, Newcastle University, on Wednesday. <https://goo.gl/maps/cyePE3pFfN9yxM7X6>

Accommodation will be at Premier Inn Quayside: <https://goo.gl/maps/DsLG5ukVJ41sTFDs7>

Zoom link for external speakers:

Thursday: <https://newcastleuniversity.zoom.us/j/85368171851> (Passcode: 245448)

Friday: <https://newcastleuniversity.zoom.us/j/89221256405> (Passcode: 403890)

AGENDA (as of 26 August 2022)

Wednesday 14th September 2022	
10:00–15:30	<p>TECN event TBC (open to all researchers who define themselves as ‘early career’ – including post docs and PhD researchers) (PGR Training Suite HDB.6.16)</p> <p>Early Career Researchers are invited to join us at the University of Newcastle the day before the Tyndall Assembly begins, for a TECN-only event. The morning session will be spent getting to know each other’s research and practising “elevator pitches”. After lunch, an external facilitator will give a workshop on presentation skills. This will be followed by an evening meal in Newcastle. The cost of food on Wednesday 14th will be covered by the Tyndall Centre.</p> <p>People travelling from outside of Newcastle for the TECN Day will be staying in hotel accommodation the night before (Tuesday 13th). Informal social activities will take place on the evening of Tuesday 13th, most likely a meal and laser quest (TBC!) Please note, the cost of the meal and laser quest on Tuesday 13th will not be covered by the Tyndall Centre.</p>
18:00–22:00	<p>Life Science Centre hosts ‘Does Climate Fiction influence society?’</p> <p>A jamboree of science and entertainment around the theme of climate change, open to both Tyndall Assembly attendees and the public. As part of the evening, a ‘Science Speakeasy’ debate will be hosted by Alistair Ford (Tyndall Newcastle) on the role of ‘Cli-fi’ in imagining climate futures.</p> <p>COP26 was billed as one of the most important climate debates of our time – but one year on, what’s changed? What part does fiction play in helping us understand the issues and take action?</p> <p>12 months on from COP26, what real changes have been made, and what’s the role of climate fiction (cli-fi) in communicating ideas around climate change.</p> <p>Cli-fi films like <i>The Day After Tomorrow</i>, and more recently, <i>Don't Look Up</i>, can provide an entry point for discussion around climate change - but do audiences take them seriously, or do they trivialise the big issues and end up doing more harm than good?</p> <p>We will debate:</p> <ul style="list-style-type: none"> • Does cli-fi help us take potentially disastrous situations seriously? • Is it dangerous to blur the lines of climate fact and climate fiction? • What impact – if any – do climate disaster stories have on changing audience behaviours around climate change? <p>https://g.page/scienceatlife?share</p>
Thursday 15th September 2022	
9:00 – 9:15	Registration

<p>9:15 – 9:40</p>	<p>Welcome to the 2022 Tyndall Assembly</p> <p>Welcome address from Prof Julie Sanders, Newcastle University Deputy Vice Chancellor.</p> <p>Introduction to the Assembly and its themes with Robert Nicholls and Alistair Ford.</p>
<p>9:40 – 10:40</p>	<p>Opening session 1: How to create local climate action in cities (HDB Lecture Theatre 1.02) Chair: Richard Dawson (Newcastle)</p> <p>Cities are foci for climate mitigation and adaptation action: they're the generators of most emissions and the places where climate impacts will be most greatly felt. This session will present an overview of research and practice on climate action in urban areas, before a panel discussion about the role of academic research and organisations like Tyndall in addressing the climate challenge in our cities.</p> <p><u>Keynote speakers</u></p> <p>Debra Roberts (Urban chapter lead author IPCC, Durban, South Africa) – online [20 mins] Tim Rippon (Newcastle City Council climate change lead) [5 mins] Hayley Fowler (Newcastle University, Chair Newcastle Net Zero task force) [5 mins]</p> <p>Panel Discussion</p>
<p>10:40 – 11:00</p>	<p>Coffee Break with posters (HDB Event Space, Room 1.04)</p>
<p>11:00 – 12:00</p>	<p>Local climate action in the Global South (HDB Lecture Theatre 1.02) Chair: Sarah Mander (Manchester)</p> <p>This session will present examples of work across the Tyndall Centre to address the challenges of climate mitigation and adaptation in the Global South?</p> <p>Speakers: Rachel Carmenta (Tyndall UEA), Ajay Bhawe (Tyndall Newcastle, GCRF Water Security Hub), Johanna Forster (Tyndall UEA), Mark Tebboth (Tyndall UEA), Christopher Walsh (Tyndall Manchester), and Gela Minas (Tyndall Manchester).</p>
<p>12:00 – 13:00</p>	<p>The Tyndall Strategy: looking back and looking forward (HDB Lecture Theatre 1.02) Chair: Carly McLachlan (Manchester)</p> <p>We're currently conducting a review of the Tyndall Centre strategy and thinking about the Future Strategy. This session opens up the discussion to Tyndall members to explore the future direction in the context of existing resources, interests and opportunities, and new challenges.</p> <p><u>Stimulus talks:</u> Overview – Robert Nicholls (UEA) [10 mins]</p>

	<p>Biodiversity in Tyndall – Jeff Price (UEA) [10 mins]</p> <p>Circular economy in Tyndall – Alejandro Gallego Schmidt (Manchester) [10 mins]</p> <p>Plenary Discussion [10 mins]</p>
13:00-14:00	Lunch (HDB Event Space, Room 1.04)
14:00-15:15	<p>Challenges of a Resilient Net Zero Future (HDB Lecture Theatre 1.02) Chair: Hayley Fowler (Newcastle)</p> <p>The imperative to decarbonise our economy, society, and supporting systems (whether that is ‘Net Zero’ or ‘Real Zero Carbon’) will require a transition of energy supply, transport technology, buildings, and underpinning digital systems. In this session we wish to explore the resilience implications of electrification or alternative energy supply, and how mitigation and adaptation must go hand-in-hand in future transitions.</p> <p><u>Talks</u></p> <p>Resilience of the future electricity system – Sean Wilkinson (Tyndall Newcastle) [10 mins]</p> <p>Resilience implications of Zero Emissions transport – Greg Marsden (ITS Leeds, DecarboN8) [10 mins]</p> <p>Moving to smart digital electrification – Charlie Wilson (Oxford, Tyndall affiliate) (online) [10 mins]</p> <p>Experience from the Climate Change Committee – Richard Dawson (Newcastle) [10 mins]</p> <p>Q&A and discussion of themes and challenges, and future research opportunities [30 mins]</p>
15:15 – 15:45	Tea Break (HDB Event Space, Room 1.04)
15:45 – 17:00	<p>Tyndall Theme sessions – parallel session for each Tyndall theme, self-organised.</p> <ul style="list-style-type: none"> • Accelerating Social Transitions – Stuart Capstick, Claire Hoolohan • Building up Resilience – Johanna Forster, Rachel Warren, Alistair Ford, Ruth Wood • Overcoming Poverty with Climate Actions – Sarah Mander, Mark Tebboth, Rachel Carmenta • Reaching Zero Emissions – Naomi Vaughan, Alejandro Gallego Schmidt, Oliver Hendrick <p>Rooms: HDB 1.02, HDB 1.04, HDB 6.02, HDB 6.16</p>
18:00-00:00	<p>Evening entertainment – “Joy of Painting” at Tyne Bank Brewery</p> <p>Come along to let your creative talents flow with some acrylics, street food, and drinks!</p>

Friday 16th September 2021

<p>09:00 – 10:00</p>	<p>Having an Impact (Panel Discussion) (HDB Lecture Theatre 1.02) Chair: Nem Vaughan (UEA)</p> <p>The cTyndall Centre does very well at Impact. The success can seem intimidating to newer Tyndall people, so in this session we will discuss ways to get from where you are as a Tyndall researcher working on your bit of research towards successful impact.</p> <p><u>Panel</u> Nem Vaughan – REF impact case studies from across Tyndall Claire Hoolohan – working with private companies and organisations Chris Jones – a ‘How To Guide’ for calls for evidence Clair Gough – working with Carbon Brief</p> <p>The panel will explore how to have impact with your research – building on accrued experience and shared reflections/best practice across Tyndall over the last 20 years and will benefit new and established researchers alike.</p>
<p>10:00 – 11:30 (to include coffee break)</p>	<p>TECN Showcase – series of short presentations, using posters, from TECN researchers. (HDB Event Space, Room 1.04)</p>
<p>11:00 – 11:30</p>	<p>Coffee Break (HDB Event Space, Room 1.04) – continued from above</p>
<p>11:30 - 12:30</p>	<p>Working with citizens assemblies and local authorities – how to make a difference at the local level. (HDB Lecture Theatre 1.02) Chair: Asher Minns (UEA)</p> <p><u>Keynote speaker</u> Candice Howarth, Co-Director of Place-Based Climate Action Network (PCAN) – (LSE Grantham Research Institute) – online [15 mins]</p> <p><u>Talks</u> Understanding the National citizens’ assembly – Stephen Elstub (Newcastle) [15 mins] Collaborating with Greater Manchester Combined Authority - Carly McLachlan (Manchester) [15 mins]</p> <p>Q&A [15 mins]</p>
<p>12:30 – 13:00</p>	<p>Closing session and soapbox</p> <p>A chance to air your views, say anything that hasn’t been said, and pull together the themes of the Assembly.</p>

13:00	Close
13:00 – 13:15	Lunch for Tyndall Council attendees
13:15 – 14:15	Tyndall Council Meeting