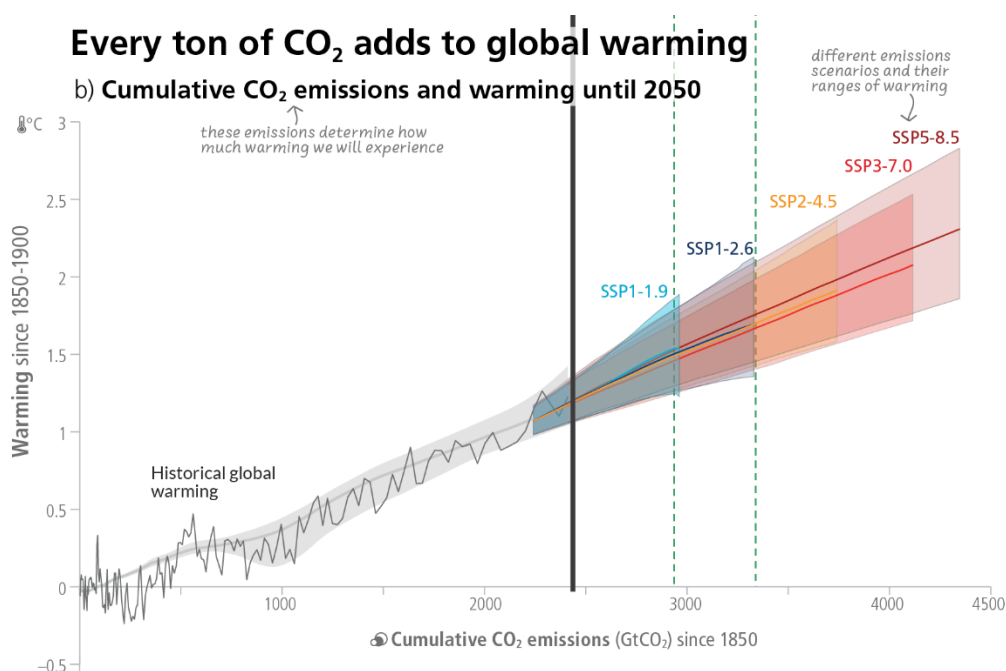


Assessing the Transient Climate Response to Emissions (TCRE) and Zero Emissions Commitment (ZEC)

Workshop 2025



27th April 2025, 13:00-18:00 (13:30-16:00 online)

NH Danube City Hotel, Vienna, Austria

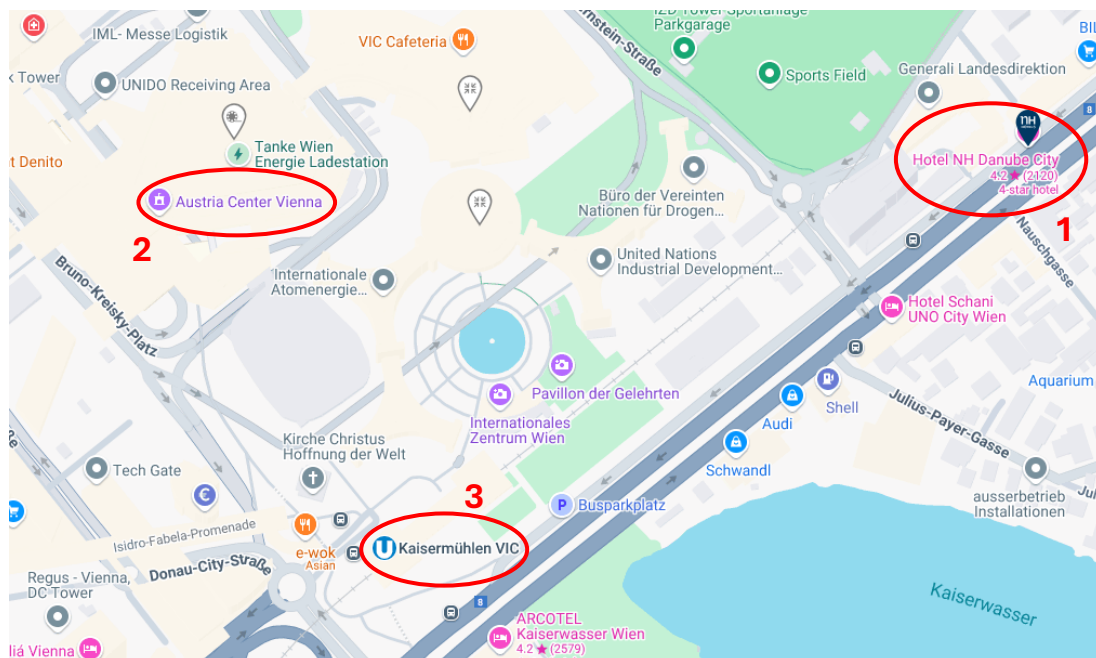


Practical Information, Agenda and Participant List

Practical Information

Location

The hotel (location 1: [map](#)) is located close to the EGU venue (Austria Vienna Center: location 2) and an Opening Reception will be held at 18:30 on the Sunday evening.



Travelling from Vienna City Centre: The closest metro station is the Kaisermühlen-Vienna International Center on the U1 line (location 3), direction Leopoldau ([Vienna Metro map](#)). From the station take the Exit to the "Wagramer Straße", turn left and walk straight for around 5 minutes. The hotel is located on the left.

Travelling from Vienna Airport: For anybody travelling to the venue directly from the airport it is possible to catch the S7 direct to Praterstern station and change onto the U1 line. If you take the more expensive City Airport Train to Wien Mitte it is necessary to take the U4 to Schwedenplatz to change to the U1 line.

Remote Participation

The workshop will use the zoom online platform to deliver the remote participation between 13:30-16:00. A link will be sent to all participants via email prior to the workshop.

Workshop Agenda

Remit - we have had two very productive and interesting workshops (in person in Bristol, online in December). We saw lots of great work and ideas. The job now is to begin work on the assessment process and plan what is required in the coming 1-2 years. So this workshop will be on planning structure and activity, rather than showing results. We have the EGU session in the week for that.

- Workshop begins at 13:00 (Vienna time / CEST).
- Allow 30 minutes gather/meet-and-greet. Grab food/snacks (basic catering - coffee and snacks - provided), but we're not providing lunch specifically.
- Need to be strict with timing – as people will be joining online. 13:30 start to meeting itself.

13:30 start.

13:30 – 13:45. Overview of latest plans and structure

- Chris plus Roland/Tatiana/Pierre. Recap of what we planned, outcomes of the video calls, emerging structure and section outlines as a result. Definitions and scope of report.

13:45 – 16:00. Plenary discussion for each section. Approx 4x 30 minutes

- a) Short prepared talks as overview of sections
 - b) Focus is on developing the structure and content for the report and plan to move forward.
- Each to give very brief overview, recap of key questions. Identify any gaps – what knowledge exists, where is new work/analysis required? Try to assemble a team – we will need people who can actually work on this. E.g. applying existing frameworks to new ensembles etc.

16:00. Brief recap then close for online participants

16:00. Coffee break

16:30-17:30. reconvene

- Breakouts for an hour. Local logistics mean we can't have online easily – will be ad-hoc depending on the room space. Form around sections or sub-section level. Decide these ad-hoc on the day.

17:30. Plenary feedback from BOGs

18:00 close.

- Check in at EGU registration if needed

Details on section content:

2. Results and frameworks: 3x 10 minutes

- a. **TCRE.** *Chris, Ben, Andrew*
- b. **ZEC.** *Stuart, Andrew, Charlie*
- c. **Reversibility.** *Kirsten, Charlie*

3. Processes: 3x 10 minutes

- a. **Land.** *Norman, Tilo, Rosie*
- b. **Ocean.** *Hongmei, Jorg, Natassa*
- c. **Atmosphere (TBC).** **Chris update** (*Thorsten, Hugo, Paulo – not available at workshop*)

4. Constraints: 10, 20 minutes

- a. **Emergent (TBC).** *Roland, Peter*
- b. **Simple models.** *Alex, Chris (Smith), Phil*

5. Synthesis: 2x5, 2x10 minutes

- a. **Bayesian framework and usage.** *Chris, Kate, Mark*
- b. **Narratives.** *Chris update.*
- c. **TCRE vs eff-TCRE,** *Damon*
- d. **Implications for carbon budgets,** *Joeri, Roland*

Participant List

In Person Participants

Name	Affiliation	Email address
Chris Jones	Met Office Hadley Centre	chris.d.jones@metoffice.gov.uk
Narelle Van Der Wel	World Climate Research Programme	nvanderwel@wmo.int
Alex MacIsaac	Simon Fraser University	alexander_macisaac@sfu.ca
Alejandro Romero Prieto	University of Leeds	eearp@leeds.ac.uk
Andrea Dittus	University of Reading / NCAS	a.j.dittus@reading.ac.uk
Andrew King	University of Melbourne	andrew.king@unimelb.edu.au
Ashwin Seshadri	Indian Institute of Science	ashwins@iisc.ac.in
Bo Liu	University of Hamburg	bo.liu@mpimet.mpg.de
Camilla Mathison	UK Met Office Hadley Centre	camilla.mathison@metoffice.gov.uk
Chris Smith	Vrije Universiteit Brussel	chris.smith@vub.be
Damon Matthews	Concordia University	damon.matthews@concordia.ca
Danai Filippou	MPI Meteorology/University of Hamburg	danai.filippou@mpimet.mpg.de
Daniel Hooke	Met Office	daniel.hooke@metoffice.gov.uk
David Nielsen	MPI for Meteorology/University of Hamburg	david.nielsen@mpimet.mpg.de
Fanny Adloff	DKRZ - ESMO IPO	adloff@dkrz.de
Greta Shum	VUB	greta.shum@vub.be
Hongmei Li	Helmholtz-Zentrum Hereon	hongmei.li@hereon.de
Hwa-Jin Choi	Max Planck Institute for Meteorology	hwa-jin.choi@mpimet.mpg.de
Jens Terhaar	University of Bern	jens.terhaar@unibe.ch
Joeri Rogelj	Imperial College London	j.rogelj@imperial.ac.uk
Jörg Schwinger	NORCE Climate & Bjerknes Centre for Climate Research	jorg.schwinger0@gmail.com
Kirsten Zickfeld	Simon Fraser University	kzickfel@sfu.ca
Laura Gibbs	Met Office	laura.gibbs@metoffice.gov.uk
Lina Teckentrup	Barcelona Supercomputing Center	lina.teckentrup@bsc.es
Mariana Salinas Matus	Max Planck for Meteorology	mariana.salinas@mpimet.mpg.de
Mitchell Dickau	Concordia University	mitchell.dickau@mail.concordia.ca
Nadine Mengis	GEOMAR	nmengis@geomar.de
Norman Steinert	CICERO Center for International Climate Research	norman.steinert@cicero.oslo.no
Rebecca Varney	Stockholm University	r.varney@exeter.ac.uk
Rémi Gaillard	University of Exeter	r.gaillard@exeter.ac.uk
Roland Séférian	CNRM (Météo-France/CNRS)	roland.seferian@meteo.fr
Sofia Palazzo Corner	Imperial College	sp1714@ic.ac.uk
Sönke Zaehle	MPI Biogeochemistry	szaehle@bgc-jena.mpg.de
Steven Sherwood	UNSW Sydney	s.sherwood@unsw.edu.au
Stuart Jenkins	University of Oxford	stuart.jenkins@ouce.ox.ac.uk
Tabea Rahm	GEOMAR Helmholtz Centre for Ocean Research	trahm@geomar.de
Tatiana Ilyina	University of Hamburg	tatiana.ilyina@uni-hamburg.de
Tim Naish	Victoria University of Wellington	timothy.naish@vuw.ac.nz

Remote Participants

Name	Affiliation	Email address
Abby Swann	University of Washington	aswann@uw.edu
Anastasia Romanou	NASA-GISS/Columbia U.	ar2235@columbia.edu
Andrew MacDougall	St. Francis Xavier University	amacdoug@stfx.ca
Ben Sanderson	CICERO	benjamin.sanderson@cicero.oslo.no
Anna Katavouta	National Oceanography Centre	annkat@noc.ac.uk
Charles Koven	Lawrence Berkeley National Lab	cdkoven@lbl.gov
Claudia Tebaldi	JGCRI-PNNL	claudia.tebaldi@gmail.com
David Hohn	GEOMAR	dhohn@geomar.de
John Dunne	NOAA/OAR/GFDL	John.Dunne@noaa.gov
Kaoru Tachiiri	Japan Agency for Marine-Earth Science and Technology	tachiiri@jamstec.go.jp
Mark Webb	Met Office Hadley Centre	mark.webb@metoffice.gov.uk
Pierre Friedlingstein	University of Exeter	p.friedlingstein@exeter.ac.uk
Tilo Ziehn	CSIRO	tilo.ziehn@csiro.au