



WCRP
Lighthouse
Activities

Safe Landing Climates
(SLC)

wcrp-climate.org/safe-landing-climates



ESMO
Earth System Modelling
and Observations

wcrp-esmo.org

ESM2025 TCRE agenda

2x half day (3 hours each). Tue/Wed p.m. 7/8th Oct

Day 1.

Update on TCRE assessment structure and status. Chris + SSC

Bayesian framework. Kate Marvel lead

- Interpretive model – alpha, beta, gamma, primary lines of evidence
- Assumptions – priors, any missing evidence? Expert judgement – to be discussed and iterated
- Initial results and preliminary distribution of TCRE

Land update – TBC (Norman Steinert, Rosie Fisher, Tilo Ziehn)

- Focus on process assessment which affects TCRE

Ocean update – TBC (Natassa Romanou, Hongmei Li, Jorg Schwinger)

- Focus on process assessment which affects TCRE

<break>

BOGs / plenary discussion

- feedback on Bayesian framework
- Agreeing assumptions, or sensitivity tests
- Identify missing evidence

Day 2.

ZEC update – TBC (Stuart Jenkins, Andrew MacDougall, Charlie Koven)

Reversibility update – TBC (Kirsten Zickfeld, Charlie Koven, Hongmei Li)

BOGs and discussion

- Further develop/agree TCRE Bayesian framework assumptions/expert judgements
- Draft conclusions on ZEC, Reversibility, and next steps

Plenary feedback

Next steps – aim for 1st order draft of assessment paper by CMIP workshop in Japan in March.