

Multi-model synthesis and associated uncertainties

Topics we might discuss:

- How can we extract or distill more robust user-oriented information from multi-model ensembles and other sources of information (e.g. observations)?
- How can we take advantage of evaluation methods, developed for one application, to inform others (e.g. applying seasonal forecast skill measures as a complement to CMIP climate-based metrics; weather forecast metrics to inform climate prediction)?
- How do model errors and biases manifest themselves in different space and time scales? Are certain biases more or less important in certain applications? Can we make better use of emergent constraints (e.g. in multi-model climate prediction)?
- How can we better assess the added value of downscaling in both climate projection and climate prediction applications in a multi-model context?
- How can we more consistently quantify and communicate model-derived information and confidence/uncertainties across different time and space scales?
- Are there concrete steps that WCRP could take to facilitate more synergy between the different model intercomparison efforts?
- Other international initiatives WCRP should be interacting more closely with?