

Earth System Modelling in WCRP

- What are the current weaknesses in Earth System Modelling?
- Do ESMs reveal “new” systematic biases in the simulated physical climate?
- What are the major new components we need in the next 10 years? 20 years? How can WCRP support this?
- Is there a contradiction between efforts towards seamless predictions and increased complexity in Earth System Modelling?
- Same question with respect to higher resolution
- What is the potential for better synergy between Earth System Modelling and decadal predictability studies?
- Can WCRP advance on all fronts (seamless, high resolution, ESMs, time scales, etc), especially under budget limitations?
- What are the ESM aspects where WCRP should strengthen collaborations with natural partners (Future Earth) as well as with other international initiatives?