

Modelling the Regional Climate – Regional and high-resolution global models

Possible discussion topics:

- When, where and how does added value occur? How does added value vary with simulation method? (What is the reference for comparison?)
- How well does each approach handle teleconnections?
- What are the strengths and shortcomings of having two-way connections (or lack thereof) with the rest of the planet?
- What are joint opportunities for HighResMIP and CORDEX for cross comparisons?
- Are there ways of combining results from the two to produce “optimum” climate information for user communities?
- Is there a role for variable-resolution models?
- Is there a role for statistical models? (Hybrid dynamical-statistical models, statistical downscaling)
- What are the observational limitations for validating these simulations?
- What is the impact (role, future?) of physical parameterizations, e.g., deep convection, orographic drag, in high resolution and regional climate simulations?
 - Are there pathways to improvement?