

Is large-scale terrestrial hydrological cycling well represented in Earth System Models?



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Earth system models (ESM) are used in projection of climate change consequences:

- Hydroclimatic hazards/ extreme events
- Do not occur in isolation; are interconnected
- Representation of interconnections between key hydroclimatic variables are critically important in ESMs

How do we evaluate ESMs?

- ESM evaluation studies simply compare individual variables with their historical records and neglect integrated relationships.

