

Using the ESMValTool and Observation Data Sets for Evaluating Land-Atmosphere interactions with Vegetation in Earth System Models

- (a) Evaluate representation of key land and atmosphere climate variables in latest Earth System Models (CMIP6 and CMIP5).
- (b) Analyse patterns of relationships between such key variables (gpp, pr, tas, net radiation, soil moisture, evaporation) as seen in observed data sets.
- (c) Evaluate how closely historical ESM simulations match observed data patterns.
- (d) Develop diagnostics for the analysis using the ESMValTool, a community driven, open-source performance metrics and diagnostic tool for climate model evaluation.

