Evaluation of JULES for the community

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New pages on the JULES website
Land (2): Multi-parameter JULES evaluation

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• Evaluation of JULESvn4.7 global runs with ILAMB v2.
• EO benchmarking datasets include: FLUXNET, FLUXNET-MTE, GLEAM and MODIS (evapotranspiration); ESA-CCI (soil moisture); IMS and GLOBSNOW (snow cover and snow water equivalent); GRACE (terrestrial water storage anomaly); GRDC (runoff); FLUXNET and GBAF (sensible heat).
For the UK we have developed a set of data for evaluating the
Evaporation: monthly flux data and annual river flow

To be published........
Land (1): Exploiting new metrics

- Use MODIS LST during dry-downs to evaluate where the surface energy budget is limited by soil moisture

- Offline land surface model intercomparison
  - JULES, ISBA, JSBACH, CLM, ...
  - WFDEI forcing
  - JULES to use UKESM1-like configuration

- CMIP5 model intercomparison
  - AMIP simulations
  - Include HadGEM2-A, HadGEM3-A (GA5), UKESM1
  - Requires 3 hourly surface diagnostics