



## Soil evaporation JPEG

- Led by Anne Verhoef
- Aims to improve the evaporation from soil in JULES
- See her slides from last year on https://code.metoffice.gov.uk/trac/jules/wiki/JPEGSoilEvaporation



## Updates

- Preliminary investigation into how Or and Lehmann approach could be implemented into JULES.
- New options added to JULES.
- Starting to compile a list of datasets for evaluation.



## New options added to JULES

## JULES ticket 1093:

- Adding in a PFT factor to multiply soil conductance under canopy (gsoil\_f\_io). Allows the user to modify the soil evaporation under different PFT canopies.
- ▶ Adding a flag to limit gsoil above the critical point (I\_limit\_gsoil), suggested by Sarah Chadburn. It mimics stage I soil evaporation and improves the modelling of permafrost sites. May cause problems simulating rapid drying cycles in the Sahel (Chris Taylor).