Introduction & establishment of JULES Progress Evaluation Groups (JPEGs)

28th June 2017
Introduction & aims

Martin Best
NOT just a research project
Aim to fix a problem in the model
Should be able to identify the problem
Therefore, should be able to identify success criteria!
Success criteria

From PLUMBER paper – types of benchmark

1. Better than another model
2. Fit for a particular application (think impact!)
3. Effectively utilise available information

Can an error value be a benchmark?

➤ Only to be within observational error

What is the success benchmark for the PEG?
Agenda

09:15 - 10:15

**Background on known process issues & biases in JULES**

- **09:15 - 09:30** JPEG on soil moisture & vegetation (Karina Williams)
- **09:30 - 09:45** Global, regional & linking with GC developments (Sean Milton)
- **09:45 - 10:00** Key aspects of land surface model for UKESM (Alistair Sellar)
- **10:00 - 10:15** Summary of email survey & 2016 workshop - JULES process issues & biases Explanation of breakout group aims (Debbie Hemming)

10:15 – 10:30

*Refreshments*

10:30 - 11:45

**Prioritise known process issues & biases in JULES**

- **10:30 – 11:15** Identify & prioritise key process issues & biases (Breakout groups)
- **11:15 – 11:30** Feedback from breakout groups
- **11:30 – 11:50** Priorities for future JPEGs (Plenary discussion - led by Martin Best)
- **11:50 – 12:00** Summary & what next (Debbie Hemming)