



JULES

Joint UK Land
Environment Simulator

Introduction & establishment of JULES Progress Evaluation Groups (JPEGs)

28th June 2017

Introduction & aims

Martin Best



Process Evaluation Groups (PEGs)

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)