

JULES Process Evaluation Group (JPEG) Session

28th June 2017

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| 09:00 – 09:15 | Introduction & session aims (Martin Best) |
| <u>09:15 - 10:15</u> | <u>Background on known process issues & biases in JULES</u> |
| 09:15 - 09:30 | JPEG on soil moisture stress on vegetation (Karina Williams) |
| 09:30 - 09:35 | Tropical soil moisture (Richard Betts) |
| 09:35 - 09:50 | Global, regional & linking with GC developments (Sean Milton) |
| 09:50 - 10:05 | Key aspects of land surface model for UKESM (Alistair Sellar) |
| 10:05 - 10:15 | Summary of email survey & 2016 workshop - JULES process issues & biases Explanation of breakout group aims (Debbie Hemming) |
| <i>10:15 – 10:30</i> | <i>Refreshments</i> |
| <u>10:30 - 11:45</u> | <u>Prioritise known process issues & biases in JULES</u> |
| 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) |

Notes:

First section between 09:15 - 10:15 will introduce existing, known issues/concerns with processes and/or biases in JULES. This will highlight some of the concerns and stimulate discussions and ideas for prioritising these into focussed JPEGs that is the aim of the breakout groups and plenary discussion

Breakout groups using topics identified in last year's workshop and the email survey of JULES community as starter. Each group will be asked to:

- identify key processes / biases that you know are currently a problem in JULES
 - are these region and/or PFT specific or more fundamental?
- discuss these processes/biases as a group, note down
 - JULES experiments & observations that would be needed to fully evaluate these
 - potential developments to JULES
 - likely timescales for seeing improvements in JULES & how to measure success
- put these processes/biases in priority order, write these on stickies ready for the following feedback part

Feedback from breakout groups

- subject area lead for each group to add stickies of priority processes/biases onto large poster of tree/soil/interactions, and briefly discuss each as they do this

Priorities for future JPEGs

- Martin to lead plenary discussion on the JPEG priorities

- discuss other priorities for potential new JPEGs, including who is already doing research on these, which priorities are considered most important to focus on with a JPEG, is anyone interested in leading on one of these new JPEG/s ?