

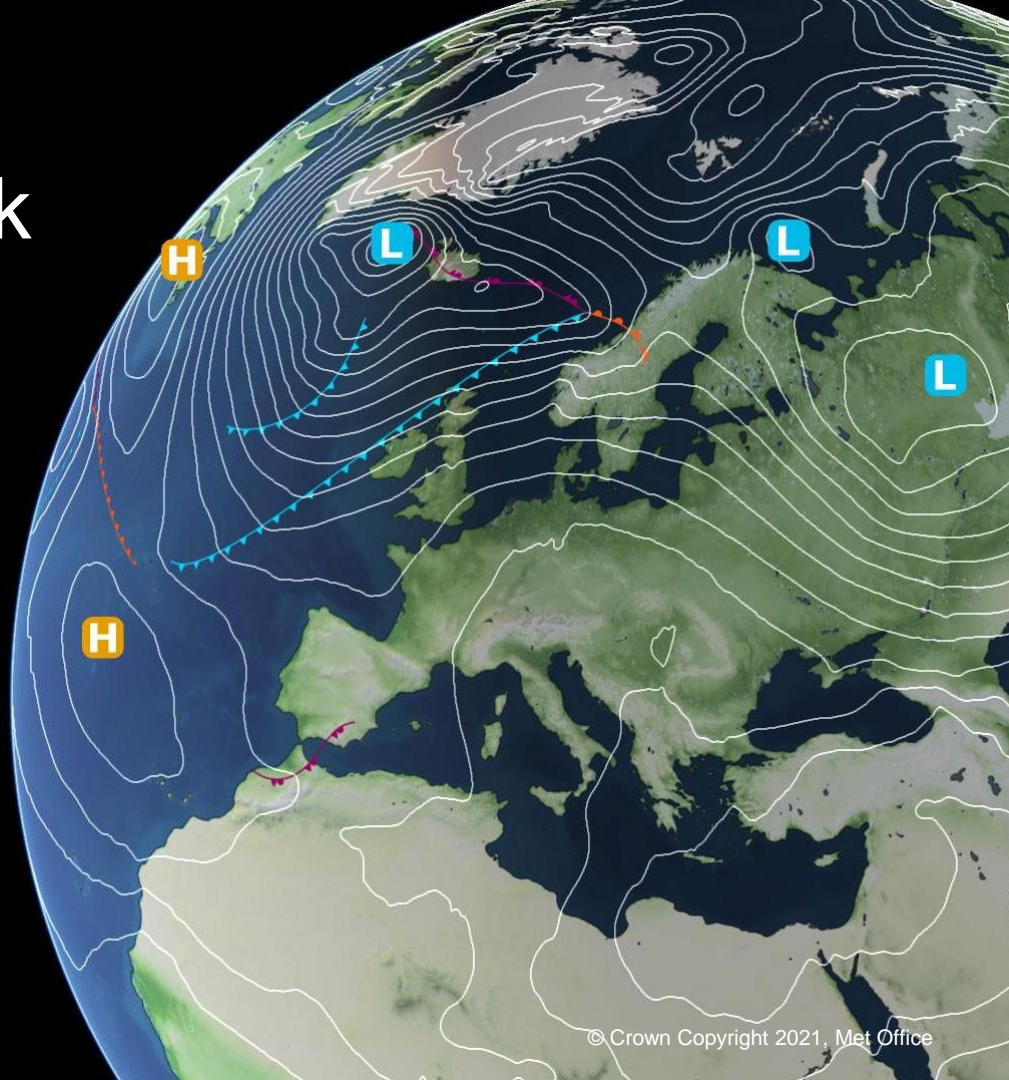
# Evaluation module work 2021-2022

Graham Weedon

Presented by Emma Robinson (UKCEH)

JULES Annual meeting

15<sup>th</sup> September 2022



Heather Rumbold & Martin Best

**Introducing the Land Model Evaluation and Development project (LMED): a new way to track, record and document the evaluation, benchmarking and development of standalone JULES configurations**

Eddy Robertson, Andy Wiltshire & Doug McNeall

**Using iLAMB to develop a JULES configuration**

Rob Parker, C. Wilson, E. Comyn-Platt, G. Hayman, T.R. Marthews, A.A. Bloom, M.F. Lunt, N. Gedney, S.J. Dadson, J. McNorton, N. Humpage, H. Boesch, M.P. Chipperfield, P.I. Palmer & D. Yamazaki

**Evaluation of wetland CH<sub>4</sub> in the JULES Land Surface Model using satellite observations**

Alberto Martinez de la Torre

**Implementation of a new groundwater scheme in JULES – initial results over Great Britain**

Elizabeth Cooper, Doulas Clark, Matthew Wiggins, Richard Ellis & Graham Weedon

**The effect of soil ancillary files on UK river flows**

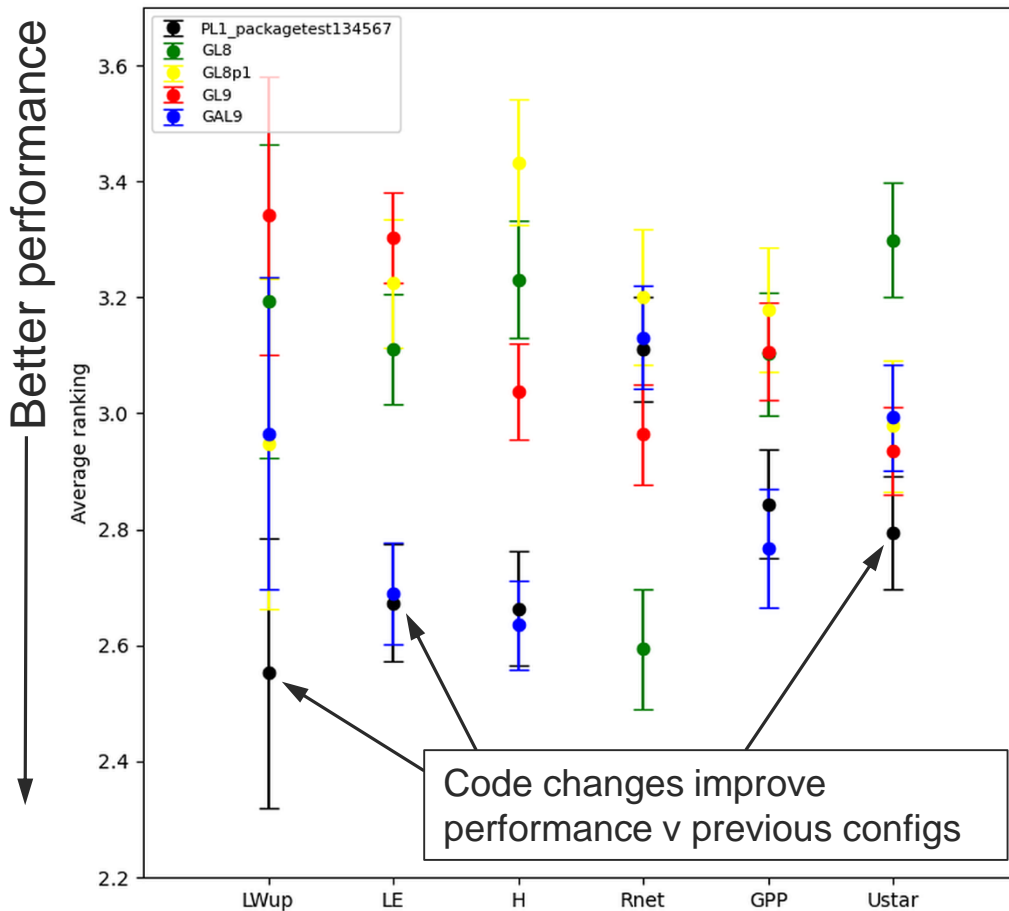
Graham Weedon, Emma Robinson, John Bloomfield, Stephen Turner, Emily Crane & Martin Best

**Geological controls of discharge variability in the Thames Basin and evaluating JULES**

LMED suite for testing JULES  
Development and for the  
Evaluation Committee to  
judge status of proposed  
code changes

See talk by Doug Kelley  
On behalf of Heather Rumbold  
At 12:30 Friday 16<sup>th</sup> Sept.

Figure courtesy  
of Heather Rumbold



Parker, R.J., Wilson, C., Comyn-Platt, E., Hayman, G., Marthews, T.R., Bloom, A.A., Lunt, M.F., Gedney, N., Dadson, S.J., McNorton, J., Humpage, N., Boesch, H., Chipperfield, M.P., Palmer, P.I. & Yamazaki, D., submitted. Evaluation of wetland CH<sub>4</sub> in the JULES Land Surface Model using satellite observations. *Biogeosciences Discussion*, <https://doi.org/10.5194/bg-2022-2>.

Weedon, G.P., Robinson, E.L., Bloomfield, J.P., Turner, S., Crane, E., Best, M.J., submitted. Geological controls of discharge variability in the Thames Basin, UK from cross-spectral analyses: observations and modelling. *Journal of Hydrology*.