

JULES remote Open Science Meeting  
1pm to 3.30pm 7<sup>th</sup> to 11<sup>th</sup> September 2020  
Schedule of Talks

All sessions will be held on zoom at the link below.

<https://ukri.zoom.us/j/95829393829?pwd=SUI3R1RZbk9qd2V1SFdYbnExRHYwZz09>

**Please ensure you arrive promptly for talks to commence at 1pm.**

**Please mute yourself during presentations.**

Information for speakers: You will have 10 minutes for your talk and 5 minutes for questions.

Questions for speakers will be submitted via the chat function to the session question convenor.

1pm to 3.30pm Monday 7 <sup>th</sup> September			Chair: Chris Jones
Session 1: JLMP, JPEGs, configurations and Updates			Question convenor: Rachael Turton
1.1	1300	Eleanor Blyth	Welcome & Introduction
1.2	1315	Andy Wiltshire	JLMP & GL7
1.3	1330	Chris Jones	Carbon Cycle and Nitrogen
1.4	1345	Karina Williams	JPEG - Soil Moisture Stress on Vegetation
1.5	1355	Anne Verhoef	JPEG – Bare soil Evaporation
1.6	1405	Doug Kelley	JPEG – Mortality
1.7	1415	Eleanor Burke	ES and configurations
1.8	1425	Eleanor Blyth	Review of land surface models – how do we compare?
1.9	1440	Rachael Turton	JULES community Update Module Overview Reports for Surface, Hydrology, Vegetation, Biogeochemistry, Biogenic Fluxes, Technical and/or Evaluation.
1.10	1455 - 1530	Everyone	Group Discussion <ul style="list-style-type: none"> <li>• Next steps for current JPEGs</li> <li>• Proposal of future JPEGs.</li> <li>• Update on JASMIN</li> <li>• Getting your science into the model</li> </ul>

1pm to 3.30pm Tuesday 8 <sup>th</sup> September			Chair: Eleanor Burke
Session 2: Soil Physics			Question convenor: Sarah Chadburn
2.1	1300	Eleanor Blyth	Update on published papers from 2019/2020
2.2	1315	Ewan Pinnington	Improving soil moisture prediction of JULES using data assimilation with SMAP satellite observations
2.3	1330	Walter Thompson	Improving the estimation of canopy interception in Great Britain
2.4	1345	Jian Peng	Soil Moisture and Earth Observation
2.5	1400	Patrick McGuire	Improving the global modeling of soils in JULES and the Unified Model

2.6	1415	Noah Smith	The case for explicitly modelling microtopography in permafrost landscapes
2.7	1430	Elizabeth Cooper	Infiltration processes in JULES
2.8	1445	Srujana Donthula	The soil water balance for 4 contrasting soil types as calculated by the Ogden et al. (2015) method
2.9	1500	Johanna Scheidegger	Developing a groundwater flow model of the British mainland – challenges and progress to date
2.10	1515 - 1530	Everyone	Group Discussion <ul style="list-style-type: none"> <li>• Soil Ancillaries</li> </ul>

<b>1pm to 3.30pm Wednesday 9<sup>th</sup> September</b>			<b>Chair: Andy Wiltshire</b>
<b>Session 3: Hydrology</b>			<b>Question convenor: Elizabeth Cooper</b>
3.1	1300	Eleanor Blyth	Update on the JULES website
3.2	1315	Simon Dadson	A reduced-complexity model of fluvial inundation configured for use with JULES in the UK
3.3	1330	Toby Marthews	Validation of inundation prediction from JULES-CaMa-Flood global land surface simulations
3.4	1345	Doug Clark	Developing the representation of standing water, inundation and river routing in JULES
3.5	1400	Markus Todd	Irrigation in JULES land-only simulations over South and East Asia
3.6	1415	His-Kai Chou	Hydrological modelling of south America headwater catchments with JULES
3.7	1430	Sarah Collins	Including groundwater flow in the JULES LSM – an update
3.8	1445	Garry Hayman	Observed and Modelled Soil Moisture Response Times in North East Brazil
3.9	1500	Marcus Buechel	Achieving Net Zero: Understanding the Potential Hydrological Impacts of Changing Climate and Land Cover in the UK
3.10	1515	Helen Baron	Including water resources management in JULES

<b>1pm to 3.30pm Thursday 10<sup>th</sup> September</b>			<b>Chair: Doug Clark</b>
<b>Session 4: Vegetation and Biogeochemistry</b>			<b>Question convenor: Emma Robinson</b>
4.1	1300	Becky Oliver	Incorporating thermal acclimation of photosynthesis in JULES
4.2	1315	Rob King	Vegetation “LST-Air Temperature” Stress in UKESM
4.3	1330	Alienor Lavergne	Implementing stable carbon isotopes into JULES
4.4	1345	Colin Prentice	How to model Leaf Economics
4.5	1400	Mike Wolffe	Particulate Matter and Crop Yield Reductions on the North China Plain
4.6	1415	Sarah Chadburn	Peat accumulation in JULES
4.7	1430	Huiyi Yang	Developing a new Winter wheat crop in JULES-Crop
4.8	1445	Eleanor Burke	Could the combined carbon and nitrogen permafrost feedback be negative?
4.9	1500	Doug Kelley	(de-) attributing meteorological drivers of unusual fire season - A Bayesian approach

4.10	15.15	Chantelle Burton	Fire in UKESM
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<b>1pm to 3.30pm Friday 11<sup>th</sup> September</b>			<b>Chair: Anna Verhoef</b>
<b>Session 5: Framework, Benchmarking and Impacts</b>			<b>Question convenor: Rich Ellis</b>
5.1	1300	Eleanor Blyth	How many impacts should we be aiming for?
5.2	1315	Karina Williams	Update from the JULES-FACE working group
5.3	1330	Thibault Hallouin	Implementation of a new blueprint for next generation land-surface and hydrological predictions
5.4	1345	Camilla Mathison	ISIMIP JULES simulations
5.5	1400	Heather Rumbold	Developing the next benchmarking system for JULES based on ModelEvaluation.org
5.6	1415	Rachael Turton	Questionnaire Feedback
5.7	1430 - 1515	Everyone	Group Discussion: <ul style="list-style-type: none"> <li>• Hydrology, Biogeochemistry and Vegetation</li> <li>• MIPS and impacts modelling</li> </ul> Feedback on Virtual Science Meeting
5.8	1515 - 1530	Eleanor Blyth	<ul style="list-style-type: none"> <li>• Closing Remarks</li> </ul>