



JULES Annual Science Meeting 2023

14th of September



Thursday, 14th September

JULES Annual Science Meeting - Day 1

Start	End	Activity	Venue	Organisers/Presenters
8:30	9:00	Arrival & Registration Pastries, Tea and Coffee	Peter Chalk foyer, University of Exeter, Stocker Road, Exeter EX4 4QD	Arthur Argles, Nina Raoult
9:00	9:05	Introduction to Science Meeting	Newman Purple - Peter Chalk	Arthur Argles, Nina Raoult
		JULES Technical Developments		Richard Gilham, Emma Robinson
9:05	9:20	Securing the technical future of JULES - 1		Richard Gilham
9:20	9:35	Securing the technical future of JULES - 2		Giorgia Line
9:35	9:50	Securing the technical future of JULES - 3		Jenny Hickson
9:50	10:05	Securing the technical future of JULES - 4		Lianne Parkhouse
10:05	10:20	Development of a JULES LFRic miniapp		Emma Robinson
10:20	10:30	SciApps committee update	Emma Robinson, Rachael Turton	
10:30	11:00	Coffee / Tea Break	Peter Chalk foyer	

		Module Updates	Newman Purple - Peter Chalk	Eddy Robertson
11:00	11:05	Vegetation		Lina Mercado
11:05	11:10	CABLE		Claire Carouge
11:10	11:15	Surface		John Edwards
11:15	11:20	Biogeochemistry		Eleanor Burke
11:20	11:25	Fire		Chantelle Burton / Doug Kelly
11:25	11:30	Hydrology		Sonja Folwell
		JULES Science Developments		Eleanor Burke
11:30	11:45	JULES in the Hydro-JULES project		Douglas Clark
11:45	12:00	Progress towards better representation of rivers and inundation in a coupled JULES environment		Toby Marthews
12:00	12:15	Lateral thinking: simulating thermokarst of permafrost peat plateaus	Noah Smith	
12:15	12:30	Implementing optimality theory based plants' instantaneous and long term acclimation in JULES	Wenyao Gan	
12:30	12:45	Modelling Dynamic Carbon Allocation	Becky Oliver	
12:45	13:00	The impact of non-structural carbohydrates in simulations of tropical plant respiration	Simon Jones	
13:00	14:00	Lunch Break	Peter Chalk foyer	

		JULES Evaluations	Newman Purple - Peter Chalk	Nina Raoult
14:00	14:15	JULES in Australia – the Bureau of Meteorology's plans for seamless land surface modelling		Christoph Rudiger
14:15	14:30	Assessment of the JULES land surface model for simulating streamflow in Australia		Fitsum Woldemeskel
14:30	14:45	Assessment of Water and Energy Budgets for Subseasonal Climate Forecasting in Major Basins		Jong Ahn Chun
14:45	15:00	Evaluating the carbon sequestration efficiency with vegetation dynamic using JULES-RED		Hsi-Kai Chou
15:00	15:15	Modelling the resilience of ecosystem service provision in African Landscapes		Enimhien Akhabue
15:15	15:30	Photosynthesis of tropical Andean tree species: insights from mechanistic modeling and sensitivity analysis		Sebastian Gonzalez-Caro
15:30	16:00	Coffee / Tea Break	Peter Chalk foyer	

16:00	17:00	Breakout Group Parallel Discussions		
		BOG1 - Evaluation and Calibration	Seminar Room 05 /Forum	Nina Raoult
		BOG2 – Technical	Seminar Room 06 /Forum	Richard Gilham
		BOG3 – ISIMIP	Seminar Room 10 The America Room /Forum	Andrew Hartley
		BOG4 – Hydro-JULES	Seminar Room 11 The Steve Edge room /Forum	Elizabeth Cooper
		BOG5 – CSSP Brazil	12 The Sara and Nigel Tozzi Seminar Room/ Forum	Arthur Argles
17:00	17:30	Wrap up of first day including feedback from BOG's	Newman Purple - Peter Chalk	Arthur Argles, Nina Raoult

