JULES
Joint UK Land Environment Simulator

Met Office

UK Centre for Ecology & Hydrology

University of Exeter

Climate-Carbon Interactions in the Current Century

JULES Annual Science Meeting 2023
15th of September

		JULES Disturbances	Newman Purple - Peter Chalk	Camilla Mathison
11:00	11:15	Predictions of future water scarcity: How important is the plant physiological response to rising CO2?		Jess Stacey
11:15	11:30	Fire weakens land carbon sinks before 1.5°C in JULES		Chantelle Burton
11:30	11:45	The burning question: Are fire models suitable for climate attribution studies & projections?		Douglas Kelley
11:45	12:00	Capturing human-Earth system feedbacks in JULES: the case of fire		Oliver Perkins
12:00	12:15	Critical drivers of fire in Brazilian biomes: a novel approach using the Concept of Maximum Entropy		Maria Lucia Ferreira Barbosa
12:15	12:30	Simulating prescribed burning to investigate its effect on fire emissions in Cerrado using JULES-INFERNO		Renata Moura da Veiga
12:30	12:40	**JULES Annual Science Meeting Wrap Up**		Arthur Argles, Nina Raoult
12:40	12:50	**JULES Group Photo**	Outside the Peter Chalk Building (by fountain)	Arthur Argles
12:50	14:00	**Lunch (followed by departure)**	Peter Chalk foyer	

Friday, 15th September **JULES Annual Science Meeting - Day 2**

Start	End	Activity	Venue	Organisers
8:30	9:00	**Pastries, Tea and Coffee**	Peter Chalk foyer, University of Exeter, Stocker Road, Exeter EX4 4QD	Arthur Argles, Nina Raoult
9:00	9:05	**Second Day Introduction**	Newman Purple - Peter Chalk	Arthur Argles, Nina Raoult
		JULES Predictions		Simon Jones
9:05	9:20	Showcasing PRIME: Probabilistic Regional Impacts from Model patterns and Emissions		Camilla Mathison
9:20	9:35	Atmospheric Dry Deposition in JULES		Garry Hayman
9:35	9:50	JULES as an impacts model		Andrew Hartley
9:50	10:05	JULES-Based Runoff Simulation and Runoff Responses to Climate Change in China		Danyang Gao
10:05	10:20	Using JULES to Model the Congo Peatlands		Peter Cook
~~10:20~~	~~10:35~~	~~The global land carbon sink response to the thermal acclimation of photosynthesis in JULES~~		~~Phil Harris~~
10:35	11:00	**Coffee / Tea Break**	Peter Chalk foyer	

Following itinerary for JULES SciApps and/or JLMP committee members		
Committee Meetings – Part 1		
JULES Science Application (SciApps) Committee	Newman Purple - Peter Chalk	Arthur Argles
Joint Land Modelling Programme (JLMP) Committee	Newman Collaborative	
Coffee / Tea Break	Peter Chalk foyer	
Committee Meetings – Part 2		
JULES Science Application (SciApps) Committee	Newman Purple - Peter Chalk	Arthur Argles
Joint Land Modelling Programme (JLMP) Committee	Newman Collaborative	