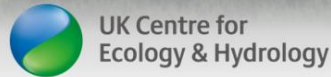


JULES Annual Science Meeting 2023

Newman Building, University of Exeter, Stocker Road, Exeter, EX4 4QD



Website: <https://jules.ichmr.org/news-and-media/news/annual-jules-meeting-13-15th-september-2023>

For travel and accommodation advice for Exeter see bottom of document.

Contact: arthur.argles@metoffice.gov.uk

This year we are hosting the JULES Annual Science Meeting down at the University of Exeter between the 14th-15th of September in the Newman building. There is a training day with JULES at the Innovation Centre, University of Exeter, before the start of the official Science Meeting on the afternoon of Wednesday 13th of September.

Main meeting MS Teams link to join the on (days 1-2):

JULES Annual Science Meeting - Main
Click here to join the meeting
Meeting ID: 354 995 118 391 Passcode: pvxwpm

Breakout group MS Teams (16:00-17:00, day 1) links are as follows:

BOG1 - Evaluation and Calibration	BOG2 – Technical	BOG3 – ISIMIP	BOG4 – Hydro-JULES	BOG5 – CSSP Brazil
Click here to join the meeting	Click here to join the meeting	Click here to join the meeting	Click here to join the meeting	Click here to join the meeting
Meeting ID: 321 609 618 602 Passcode: 65ussg	Meeting ID: 389 691 582 23 Passcode: MiKBNN	Meeting ID: 338 252 452 225 Passcode: WMVYRn	Meeting ID: 328 308 725 778 Passcode: zDWMvh	Meeting ID: 356 940 821 36 Passcode: sNvEHu

The following links are for the JULES Science Application (SciApps) and/or Joint Land Modelling Programme (JLMP) committee meetings (14:00-17:00, day 2):

JULES SciApps	JLMP
Click here to join the meeting	Click here to join the meeting
Meeting ID: 353 698 073 485 Passcode: KXuezY	Meeting ID: 389 691 582 23 Passcode: MiKBNN

Timetable

Wednesday, 13th September

JULES Training Day - Day 0

Start	End	Activity	Venue	Organisers/Presenters
12:30	13:30	Arrival & Lunch	Skydeck, Innovation Centre, University of Exeter, Streatham Campus, Rennes Drive, Exeter EX4 4RN	Arthur Argles
13:30	13:45	Land Surface Modelling / What is JULES? Resources available from UKCEH / UK Met Office	1/ Lovelace, Innovation Centre	Toby Marthews
13:45	14:00	Example of JULES applications, postprocessing, and visualising outputs		Carolina Duran Rojas, Arthur Argles
14:00	15:15	JULES from scratch: Worked example of a point run. File types used in JULES modelling.		Toby Marthews, Carolina Duran Rojas, Arthur Argles
15:15	15:30	Coffee / Tea Break	Skydeck Innovation Centre	
15:30	17:30	JULES from scratch: Worked example of a gridded run workshop	1/ Lovelace, Innovation Centre	Toby Marthews, Carolina Duran Rojas, Arthur Argles

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
18:30	-	Evening Meal hosted by On The Waterfront	On The Waterfront, Southern Warehouse, 4-9, The Quay, Exeter EX2 4AP	

Friday, 15th September

JULES Annual Science Meeting - Day 2

Start	End	Activity	Venue	Organisers
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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
9:05	9:20	JULES Predictions Showcasing PRIME: Probabilistic Regional Impacts from Model patterns and Emissions		Simon Jones 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	
11:00	11:15	JULES Disturbances Predictions of future water scarcity: How important is the plant physiological response to rising CO ₂ ?	Newman Purple - Peter Chalk	Camilla Mathison 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 Renata Moura da Veiga
12:15	12:30	Simulating prescribed burning to investigate its effect on fire emissions in Cerrado using JULES-INFERNO		
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	
Following itinerary for JULES SciApps and/or JLMP committee members				
14:00	15:30	Committee Meetings – Part 1 JULES Science Application (SciApps) Committee Joint Land Modelling Programme (JLMP) Committee	Newman Purple - Peter Chalk Newman Collaborative	Arthur Argles
15:30	16:00	Coffee / Tea Break	Peter Chalk foyer	

16:00	17:00	Committee Meetings – Part 2		
		JULES Science Application (SciApps) Committee	Newman Purple - Peter Chalk	Arthur Argles
		Joint Land Modelling Programme (JLMP) Committee	Newman Collaborative	

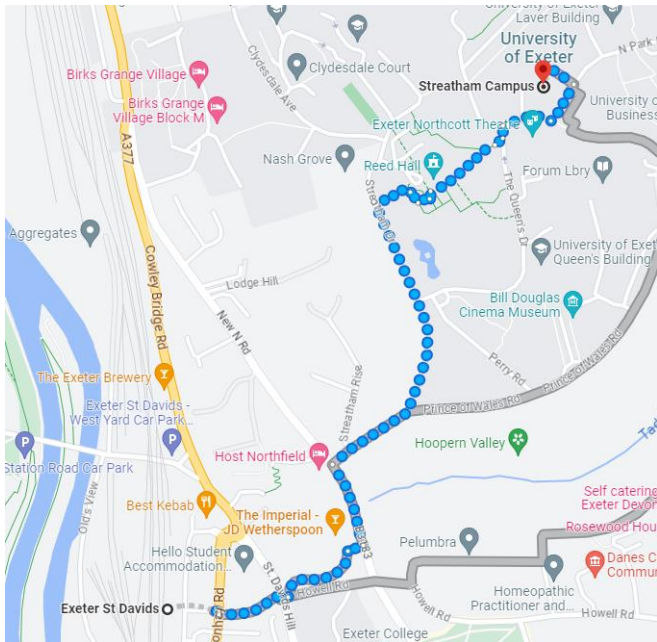
Travel Advice within Exeter

Taxi Companies:

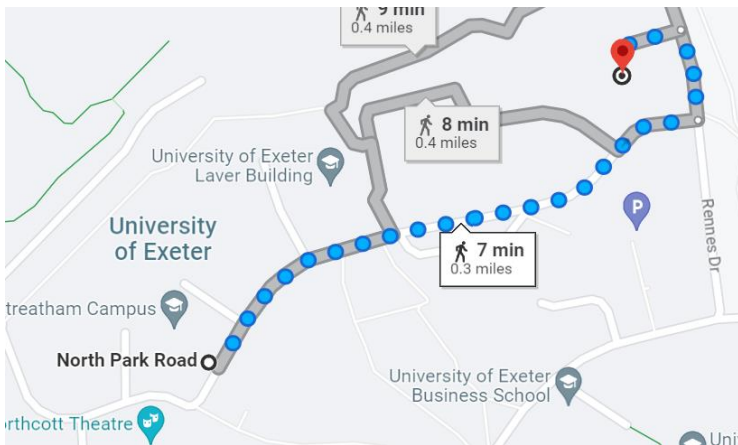
Apple Taxis, website; <https://www.appletaxisexeter.co.uk/>; telephone; 01392 666666

University (Day 0)

From St David train station, University of Exeter, Streatham Campus, is roughly a 21-minute walk uphill. There is a taxi rank to the right of the station.



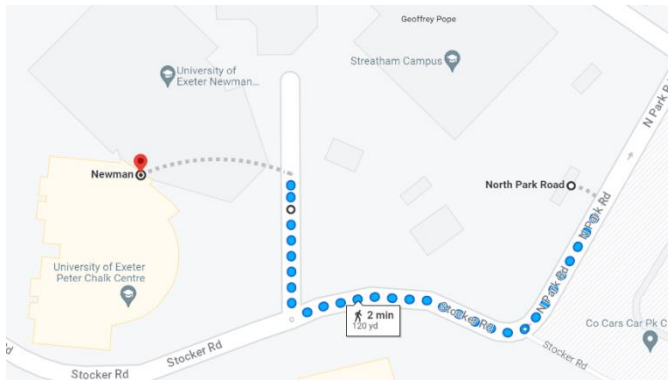
There is a Stagecoach Bus (Uni) that can be caught that goes directly to the University of Exeter (Streatham Campus) from the St Luke’s Campus (also via Exeter Central train station). Leave the bus at the North Park Road bus stop. The Innovation Centre can be found further along North Park Road (after the pond and Laver & Harrison Building).



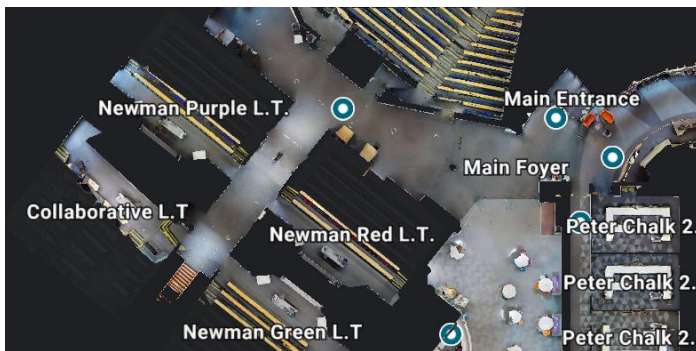
<https://www.stagecoachbus.com/routes/south-west/uni/university-of-exeter-streatham-high-street-and-university-of-exeter-st-lukes/xdauni0.o>.

University (Day 1-2)

The Newman building can be found behind the North Park Road bus stop. It is accessed via the Peter Chalk Building.

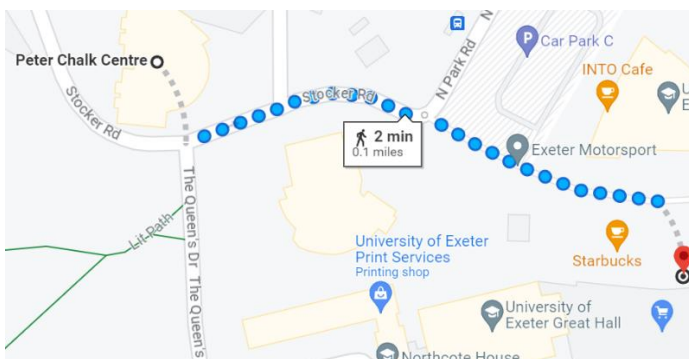


Registration and breakfast will be held at the main foyer, with the main lecture theatre being located at Newman Purple Lecture Theatre. For the Friday JLMP committee meeting the Collaborative Lecture Theatre is located next door to the Newman Purple Lecture Theatre:

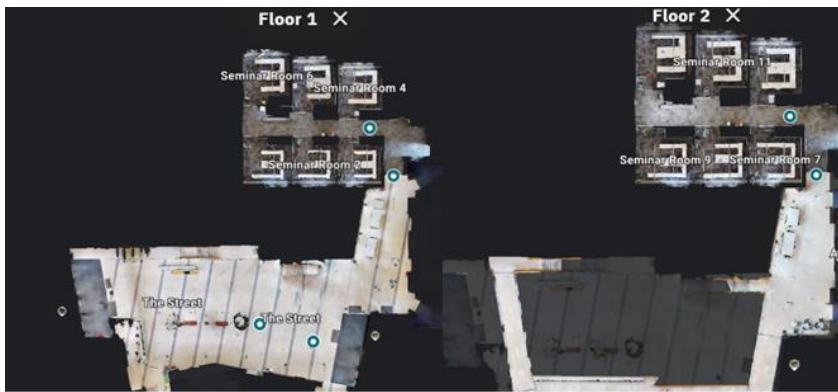


Forum seminar rooms (Breakout Groups)

From Peter Chalk, walk down Stocker Road the Forum should take around 2 mins down on the right (by the Co-bikes):

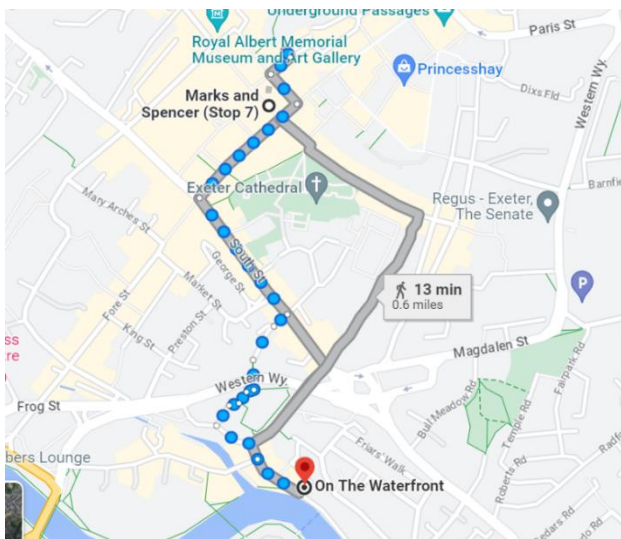


Seminar rooms 5-6, located on the first floor towards the rear of the hall, follow the left passage. Seminar rooms 10-12 are located directly on the floor above (Accessed via stairs or lift)



On the Waterfront (Day 1 Evening Meal)

From Streatham Campus, catch the Uni Stagecoach bus down into the centre of town till the Marks and Spencer (stop 7), from there it is a 11 minute walk to the Quay / On the Waterfront and an underground passage off South Street.



Accommodation

Below is a list of hotels in Exeter recommended by the University of Exeter's events team, Event Exeter.

[Mercure Exeter Rougemont Hotel](#)

[Mercure Exeter Southgate Hotel](#)

[Hotel Indigo](#)

[Hotel du Vin](#)

[Leonardo Hotel Exeter](#)

Other hotels in Exeter

[Premier Inn Exeter Central St Davids](#)

[Premier Inn Exeter City Centre](#)

[Queens Court Hotel](#) (only a small number of rooms)