

# **CLIVAR Climate Dynamics Panel**

Mat Collins

Shoshiro Minobe

Anna Pirani

# CLIVAR Climate Dynamics Panel

## 1<sup>st</sup> Meeting, University of Exeter, UK, 2-4<sup>th</sup> July 2015

Meeting Venue, University of Exeter, Old Library, Room 134

Building 7 - <http://www.exeter.ac.uk/visit/directions/streathammap/areaamap/>

Lunch – Reed Hall, building 14

Coffee – Queen’s Building ‘Camper Coffee’, building 11

Accommodation – Holland Hall, building 62



**Members:** Mat Collins (UK, co-chair), Shoshiro Minobe (Japan, co-chair), Anna Pirani (CLIVAR), Marcelo Barreiro (Uruguay), Simona Bordoni (US), Yohai Kaspi (Israel), Noel Keenlyside (Norway), Elisa Manzini (Germany), Rowan Sutton (UK), Shang-Ping Xie (US), Olga Zolina (France)

**Guests:** Rob Chadwick (Met Office), Adam Scaife (Met Office), James Screen (Exeter), Mark Webb (Met Office)

Please give a brief overview of your research interests, including recent findings. Also highlight

- Open questions and challenges
- Forthcoming opportunities (workshops, meetings, funding calls)
- Suggestions for panel activities/deliverables e.g. coordinated meetings, model experiments/analyses, collaboration with other WCRP activities and projects

Thursday 2<sup>nd</sup> July All talks – 20 mins + questions

12 noon Meet for lunch Old Library Room 134, then walk over to Reed Hall  
13:30 Mat/Shoshiro/Anna Introduction to meeting + objectives

### **Theme 2: Processes for mid-latitude air-sea interactions**

14:00 Shoshiro Minobe Ocean-to-atmosphere feedback along mid latitude oceanic fronts

### **Theme 1: Storm tracks, jet streams and weather systems**

14:30 James Screen Possible links between Arctic warming and mid-latitude weather  
15:00 Yohai Kaspi Atmospheric dynamics of midlatitudes jets and storm tracks  
15:30 Tea Break  
16:00 Mark Webb WCRP Grand Challenge: Clouds, Circulation and Climate Sensitivity  
16:30 Elisa Manzini Stratosphere and Climate  
17:00 Olga Zolina Extratropical stormtracks, moisture transport and understanding regional hydroclimate extremes  
17:30 Marcelo Barreiro Disentangling air-sea coupling in the South Atlantic (Theme 2)  
19:30 Panel Dinner Rusty Bike Exeter

Friday 3<sup>rd</sup> July All talks – 20 mins + questions

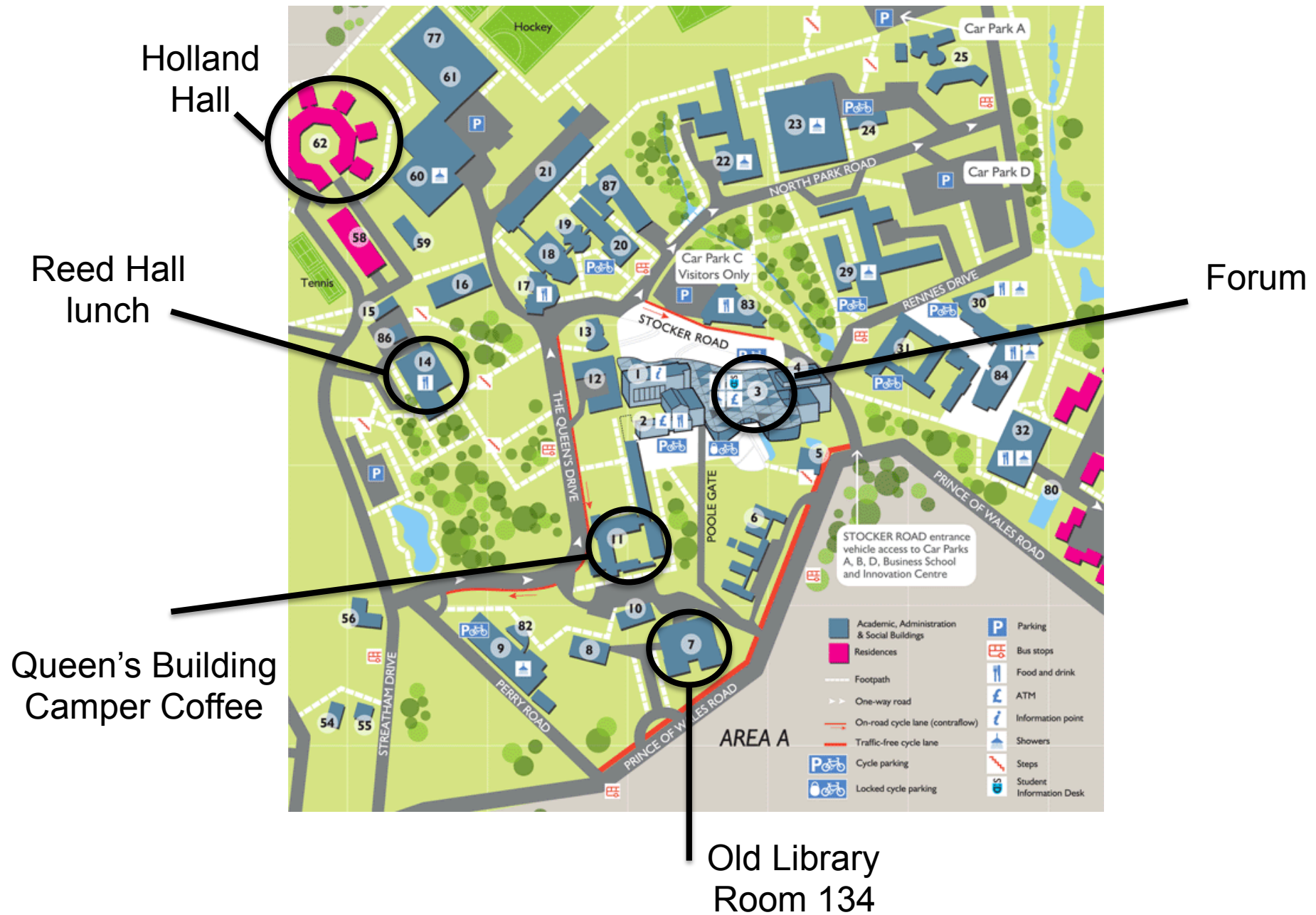
**Theme 3: Climate phenomena/modes and their relevance for regional climate change**

9:30	Mat Collins	Pacific climate variability and long-term change
10:00	Shang-Ping Xie	Towards predictive understanding of regional climate change
10:30	Simona Bordoni	Fundamental monsoon dynamics: idealized monsoons and their response to climate change
11:00	Coffee Break	
11:30	Adam Scaife	Tropical rainfall, Rossby waves and Regional Climate
12:00	Rowan Sutton	North Atlantic Decadal Variability and Prediction
12:30	Rob Chadwick	Future changes in regional tropical rainfall
13:00	Lunch	
14:00	Discussion of panel science areas	
15:30	Tea Break	
16:00	Discussion of panel vision and future panel activities	

Saturday 4<sup>th</sup> July **Note change of room** – Old Library Research Seminar Room A/B

9:00-noon Discussions continued

<http://www.exeter.ac.uk/visit/directions/streathammap/areaamap/>





Approximately 1.5 miles from the Uni to the Town Centre

# Panel Dinner – Thursday 7:30pm

