



UNIVERSITY OF
BIRMINGHAM

College of Life and
Environmental Sciences
School of Geography, Earth
and Environmental Sciences



Panta Rhei Drought in the Anthropocene workshop 19-21 September 2016

2nd circular

This will be a hands-on workshop in which we will work in small groups with the data and models that have already been collected to start answering the research questions that we formulated. We will do intercomparisons, look at patterns and sensitivities, and start working on the paper(s) that we plan to write.

Background of the workshop:

As working group we intend to investigate the **interaction between drought and people**. This year we are setting up a number of experiments with the aim to study the influence of people on drought, the impact of drought on people and the feedbacks between drought and society. Our overarching goal with these experiments is to increase understanding of drought-society feedbacks, both positive and negative. The **research questions** we want to answer are:

A: How are people enhancing/alleviating drought events?

B: How are people impacted by drought events?

C: How are people responding to drought events by changing water use, land use, water management, water storage?

D: How do these feedback processes result in aggravated drought conditions and more (or other, e.g. ecological) impacts? And how in alleviated drought conditions and less impacts?

We will use three separate approaches, organised by three small subgroups, which each start with a different research question and feed their findings back to the other groups:

1) learning from **reconstruction in case studies** (contrasting case studies, data analysis & modelling), led by Sally Rangecroft and Alexandra Nauditt (C – D – A)

2) learning from **experimentation in virtual model experiments** (socio-hydrology, scenario analysis, sensitivity), led by Giuliano Di Baldassarre (D – C – A)

3) learning from **patterns** (comparative hydrology, large scale modelling, large scale remote sensing), led by Niko Wanders (A – C – D)

Aim of the workshop:

The workshop organized at the University of Birmingham on 19-21 Sept 2016 has the following objectives:

- to bring together those working on different approaches,
- to do a proof-of-concept analysis on a test case with the different approaches, and
- to feedback results between approaches and discuss challenges.

We will also design a roadmap for the remainder of the work, joint papers and future meetings. Finally, we will discuss options for funding of research & meetings.

Format:

The format of the workshop is partly based on plenary discussion sessions and partly on working in small sub-groups and exchanging information between sub-groups. The sub-groups are flexible and swapping groups is encouraged. No conference-style research presentations are scheduled. Instead we organize a series of 2-minute pop-ups, in which participants can share information about a current research project, show an interesting scientific result, announce a conference or other initiative, etc.

Preliminary programme:

Monday 19 September in Muirhead Tower (R21):

- meet at 10.30am in Starbucks which is at the main entrance of the Muirhead Tower (building R21 on the map below) for coffee / tea / late breakfast / early lunch, for everyone arriving on Sunday or early on Monday.

- 12 noon (Muirhead, room 112): opening workshop, short state-of the art presentations by Sally/Alexandra, Giuliano & Niko, setting goals for workshop (plenary). **If you cannot meet us for the very start, please just come and join in when you arrive.**
- PM: working in sub-groups, e.g. defining which findings can be tested by other groups (separate), exchange of groups, discussing which case studies, models, methods can be used to test.
- evening: drinks in pub near campus

Tuesday 20 September in Strathcona Building (R18):

- AM: discussion of experiments to be set up, challenges, cross-over between approaches + pop-up presentations (plenary)
- lunch: on campus
- PM: working in sub-groups on cross-over between approaches, proof-of-concept analysis on test case (separate)
- evening: workshop dinner (famous Birmingham curry!) & city tour **>> any allergies? Vegetarian? Please let us know!**

Wednesday 21 September in Law Building (R1):

- AM: sharing results of test case, discussion on roadmap for remainder of the work, joint papers & future meetings, discussion on options for funding (plenary)
- lunch: on campus
- PM: closure workshop (dependent on when people need to leave)

Preparations:

We expect participants to **bring data, modelling and analysis tools to the workshop** so that data analysis and scenario modelling can be done as proof-of-concept. Sally, Alexandra, Giuliano, Niko & Anne will identify possibilities for test cases beforehand.

Logistics:

The workshop will take place at the campus of the University of Birmingham, with easy access by train from the city centre and the international airport of Birmingham:

<http://www.birmingham.ac.uk/contact/directions/index.aspx>



Meeting rooms: We have booked the rooms on campus for the workshop to fit with the planned programme (see map below for locations):

Monday 19th September: Muirhead Tower (R21) room 112

One large active room for group discussion and sub-group working, allowing people to move between subgroups and have plenary discussions.

Tuesday 20th September: Strathcona Building (R18)

- Lecture Theatre 2 (G17)
- Seminar Room 02 (121), 03 (120) & 04 (119)

Lecture theatre to facilitate any full group discussions & three smaller rooms in close proximity for subgroup working.

Wednesday 21st September: Law Building (R1)

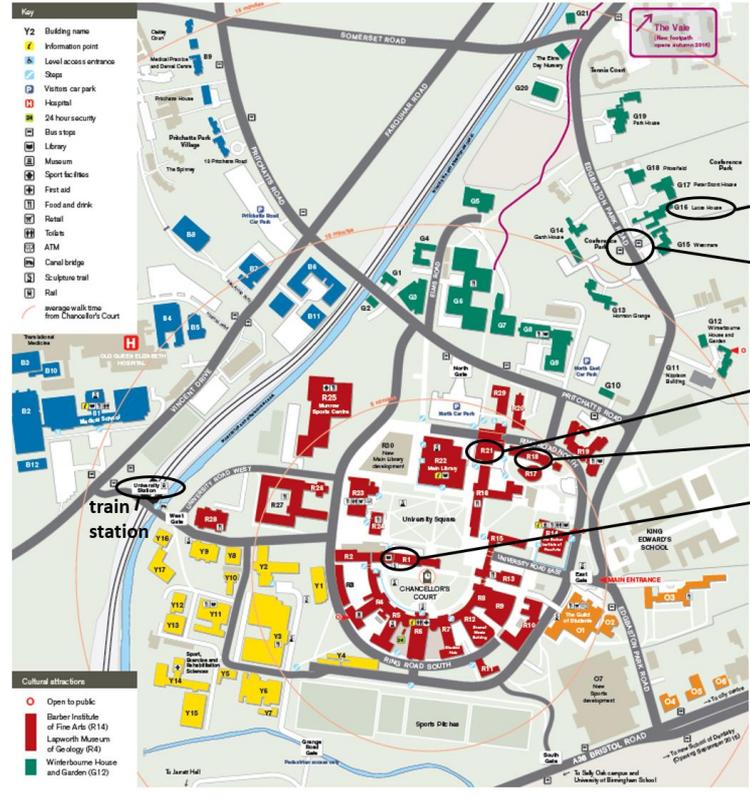
- Board Room (220 – 2nd floor)
- Room Moot Room (219)
- Room 204 & 111

One main room for plenary discussions and closing remarks, and smaller rooms for subgroup working if needed.

Edgbaston Campus Map

Index to buildings by zone

- Red Zone**
 - R1 Law Building
 - R2 Frankland Building
 - R3 Hills Building
 - R4 Aston Webb – Lapworth Museum (Reopening 2016)
 - R5 Aston Webb – B Block
 - R6 Aston Webb – Great Hall
 - R7 Aston Webb – Student Hub (Opening September 2015)
 - R8 Physics West
 - R9 Nuffield
 - R10 Physics East
 - R11 Medical Physics
 - R12 Branall Music Building
 - R13 Poynting Building
 - R14 Barber Institute of Fine Arts
 - R15 Watson Building
 - R16 Arts Building
 - R17 Ashley Building
 - R18 Strathcona Building
 - R19 Education Building
 - R20 J G Smith Tower
 - R21 Muirhead Tower
 - R22 Main Library
 - R23 University Centre
 - R24 Staff House
 - R25 Munrow Sports Centre
 - R26 Geography
 - R27 Biosciences Building
 - R28 Murray Learning Centre
 - R29 Postgraduate Centre (under construction)
 - R30 New Library (under construction)
- Orange Zone**
 - O1 The Guild of Students
 - O2 St Francis Hall
 - O3 University House
 - O4 Ash House
 - O5 Beech House
 - O6 Coe House
 - O7 New Sports Development (under construction)
- Green Zone**
 - G1 32 Pithchatts Road
 - G2 31 Pithchatts Road
 - G3 European Research Institute
 - G4 3 Elms Road
 - G5 Computer Centre
 - G6 Metallurgy and Materials
 - G7 IRC Net Shape Laboratory
 - G8 Gabbat Kopp Building
 - G9 52 Pithchatts Road
 - G10 54 Pithchatts Road
 - G11 Nicolson Building
 - G12 Winterbourne House and Garden
 - G13 Westmere
 - G18 Priorsfield
 - G19 Park House
 - G20 Elms Plant
 - G22 Elms Day Nursery
 - G23 IRC Net Shape Conference Park
 - G15 Hanton Grange
 - G14 Garth House
 - G16 Lucas House
 - G17 Peter Scott House
- Yellow Zone**
 - Y1 Old Gymnasium
 - Y2 Haworth Building
 - Y3 Mechanical and Civil Engineering Building
 - Y4 Terrace Huts
 - Y5 Estates West
 - Y6 Maintenance Building
 - Y7 Grounds and Gardens
 - Y8 Chemistry West
 - Y9 Computer Science
 - Y10 Alts Bioscience
 - Y11 Chemical Engineering
 - Y12 Biochemical Engineering
 - Y13 Chemical Engineering Workshop
 - Y14 Sport, Exercise and Rehabilitation Sciences
 - Y15 Civil Engineering Laboratories
 - Y16 Occupational Health
 - Y17 Public Health
- Blue Zone**
 - B1 Medical School
 - B2 Institute of Biomedical Research including IBR West
 - B3 Wellcome Clinical Research Facility
 - B4 Robert Adlam Institute for Clinical Research
 - B5 CRUK Institute for Cancer Studies and Denis Howell Building
 - B6 Research Park
 - B7 90 Vincent Drive
 - B8 Henry Wellcome Building for Biomolecular NMR Spectroscopy
 - B9 Medical Practice and Dental Centre
 - B10 Advanced Therapies Facility
 - B11 BioHub Birmingham
 - B12 Health Sciences Research Centre (HSRC)



accommodation
 bus stop
 R21 Muirhead Tower: day 1
 R18 Strathcona: day 2
 R1 Law: day 3

Wifi: the University of Birmingham uses the **eduroam network**, the Wifi network for education and research organisations around the world. We encourage all to set up your eduroam account at your home institution. If your institution does not support eduroam, there is a WifiGuest network that you can use by creating a Cloud/Sky account. Please find more information here: <https://intranet.birmingham.ac.uk/as/libraryservices/library/documents/public/wifi-guide-2016.pdf>

Conference fees: no conference fees; meeting rooms, coffee/tea, workshop dinner on Tuesday are covered by the organizers, lunch and drinks on Monday are on own expense.

Travel: Participants are responsible for their travel arrangements and costs. Please find information about travel here: <http://www.birmingham.ac.uk/contact/directions/getting-here-edgbaston.aspx>. From Birmingham International Airport it takes about 30 minutes by train to Birmingham University station. From London Heathrow it takes 2.5-3 hours by bus and train via London or Reading.

Accommodation: We have reserved 15 single rooms in Lukas House on campus (10 rooms for 19–21 Sept & 5 for 18 – 22 Sept): <http://www.venuebirmingham.com/accommodation/bed-and-breakfast/> We have a discounted rate through ordering the rooms internally through the University of Birmingham, so that the final price is £48.50 per night for a single room (including breakfast). Please use the following link to pay online for either the 2 night or 3 night accommodation option. **Payment** can be made any time until the end of the workshop, but if possible, beforehand is preferable: http://shop.bham.ac.uk/browse/extra_info.asp?compid=1&modid=2&deptid=28&catid=64&prodid=1323

