

# ACSIS Final Science Meeting

Weds 30<sup>th</sup> March 2022, Lady Margaret Hall, Oxford



*The Changing North Atlantic Climate System and its Importance for the UK*

09.00-09.30 **Arrivals – refreshments available**

## Introduction & Context

09.30-09.45 ACSIS Research Questions, Objectives & International Context  
Rowan Sutton, NCAS & U. Reading

## Session 1: Ocean-Ice Chair: Isobel Lawrence, CPOM/ESA

09.45-10.00 Recent changes in the North Atlantic ocean and their importance for the UK  
Bablu Sinha, NOC

10.00-10.15 Observations of recent changes in the North Atlantic Ocean Circulation  
Penny Holliday, NOC

10.15-10.30 Understanding changes in North Atlantic Ocean Circulation  
Helen Johnson, U. Oxford

10.30-10.45 Q&A for Session 1

10.45-11.15 **Coffee & networking**

11.15-11.30 A paleoclimate perspective  
David Thornalley, UCL

11.30-11.45 Recent changes in the Arctic and their importance for the North Atlantic Climate System  
Danny Feltham, CPOM & U. Reading

11.45-11.55 Q&A for Session 1

## Session 2: Atmosphere Chair: Scott Osprey, NCAS & U. Oxford

11.55-12.10 The role of the stratosphere in the North Atlantic Climate System  
Lesley Gray, NCAS & U. Oxford

12.10-12.25 Recent changes in the jet stream and their importance for the UK  
Tom Bracegirdle, BAS

12.25-12.35 Q&A for Session 2

12.35-14.00 **Long lunch with posters**

### Session 3: Composition Chair: Mingxi Yang, PML

14.00-14.15	Recent changes in N. Atlantic atmospheric composition (and its importance for the UK)	Alex Archibald, NCAS & U. Cambridge
14.15-14.30	Aerosols, clouds and radiative forcing	Dan Grosvenor, NCAS & U. Leeds
14.30-14.45	Aerosol forcing of the North Atlantic Ocean and Atmosphere	Jon Robson, NCAS & U. Reading
14.45-15.00	Q&A for Session 3	

15.00-15.25 **Tea Break**

### Session 4: Future changes in the North Atlantic Climate System Chair: Tom Bracegirdle, BAS

15.25-15.40	Predictability and prediction of changes in the North Atlantic Climate system	Doug Smith, Met Office
15.40-15.55	Storylines of future changes in atmospheric circulation and impacts on the UK	Ben Harvey, NCAS & U. Reading
15.55-16.10	The LTSM2 CANARI programme	Len Shaffrey, NCAS & U. Reading
16.10-16.25	Q&A for Session 4	

### Session 5: Science-Policy interface Chair: Rowan Sutton, NCAS & U. Reading

16.25-16.45	The importance of the North Atlantic climate system for the UK environment: a DEFRA perspective	Gideon Henderson, DEFRA CSA
16.45-16.55	Q&A for Session 5	
16.55-17.00	Wrap up and thanks	Rowan Sutton, NCAS & U. Reading

17.00-18.30 **Drinks reception**

