

10 years of Observations of the Atlantic Meridional Overturning Circulation:

Results from RAPID, Surprises and Future Plans

Thursday 18th – Friday 19th September 2014

**Harvey Goodwin Suite, Church House Conference Centre,
Deans Yard, Westminster, London, SW1P 3NZ**

Thursday 18th September

10.15– Arrival & coffee (Robert Runcie Room)

10.45 – 11.00 **Welcome / introduction**
 Prof David Anderson (Chair, RAPID Programme Advisory Group)

11.00 – 11.25 **Background**
(Chair: Prof David Anderson)
 AMOC: an introduction – Prof Stuart Cunningham [SAMS]

11.30 – 12.30 **Observations**
(Chair: Prof Meric Srokosz)

11.30 The Importance of Sustained Observations to the UK – Prof Ian Boyd
 [Chief Scientific Adviser, Defra]

11.50 26.5°N: the first 10 years – Dr Gerard McCarthy [NOC]

12.30 – 13.45 Lunch (Robert Runcie Room)

13.45 – 15.15 **Implications for oceans and climate**
(Chair: Prof David Marshall)

13.45 Understanding AMOC variability at 26.5°N – Dr Helen Johnson
 [Oxford University]

14.15 The AMOC: a climate modelling perspective– Dr Chris Roberts [Met
 Office]

14.45 Predicting the AMOC and its impacts on climate– Prof Rowan Sutton
 [University of Reading]

15.15 – 15.45 Tea / coffee (Robert Runcie Room)

15.45 – 17.15 **New technologies: current status and future prospects**
(Chair: Prof Mike McPhaden)

15.45 RAPID telemetry developments – Darren Rayner [NOC]

16.10 Autosub: potential for future observations – Mr Steve McPhail [NOC]

16.35 Deepglider Pilot Observations of Full Water Column Structure near
 Bermuda and Relevance to RAPID/MOCHA – Prof Charlie Eriksen
 [University of Washington]

17.15 – 18.15 Drinks reception (Robert Runcie Room)

Friday 19th September

09.15 – 10.45 New RAPID-AMOC projects (Chair: Prof Harry Bryden)

09.15 Reanalysis of the AMOC (RAMOC) – Keith Haines {Reading University]

09.45 DYNAmics and predictability of the Atlantic Meridional Overturning and Climate (DYNAMOC) – Dr Joel Hisrchi [NOC]

10.15 Atlantic BiogeoChemical fluxes (ABC) – Dr Elaine McDonagh [NOC]

10.45 – 11.15 Coffee / tea (Robert Runcie Room)

11.15 – 12.25 Extending the observations – Overturning in the Sub-Polar North Atlantic Program (OSNAP) (Chair: Dr Richard Wood)

11.15 OSNAP – Prof Susan Lozier [Duke University]

11.55 UK OSNAP – Dr Penny Holliday [NOC]

12.25 Closing remarks

Prof. Duncan Wingham [Chief Executive, NERC]

12.35 Meeting ends