

Day 1

18 July 2023

Morning

Time	Topic	Location
08:00	Registration	Outside 022/023
08:30	<b>Welcome &amp; Webinar Highlights</b>	
<b>09:00</b>	<b>Value of AMOC observing</b>	<b>022/023</b>
09:00	Penny Holliday <i>Social &amp; economic impacts of changes in the Atlantic meridional overturning circulation</i>	
09:15	Karin Margretha Larsen <i>AMOC exchanges in the Iceland-Scotland Ridge region</i>	
09:30	Kristin Burmeister <i>Eight years of continuous Rockall Trough transport observations from moorings and gliders</i>	
09:45	Stefanie Semper <i>Overturning in the Nordic Seas</i>	
10:00	Matthias Lankhorst <i>Validating and testing methods of measuring geostrophic ocean transports</i>	
10:15	Shenfu Dong <i>Multi-decadal records of the South Atlantic meridional overturning and heat transport derived from in-situ and satellite observations and recent applications</i>	
10:30	Discussion	
10:45	Coffee	024
<b>11:15</b>	<b>Value of AMOC observing and Observational priorities</b>	<b>022/023</b>
11:15	Fiamma Straneo <i>Overturning, freshwater and carbon sequestration in the subpolar North Atlantic</i>	
11:30	Stuart Cunningham <i>Sustaining subpolar North Atlantic basin-wide observations of the strength and structure of the AMOC (OSNAPi)</i>	
11:45	Mauricio Rocha <i>South Atlantic meridional overturning circulation in the LENS2 Simulations</i>	
12:00	Jon Baker <i>Overturning pathways control AMOC weakening in CMIP6 models</i>	
12:15	Jiayan Yang <i>Enhancing AMOC observing strategies and interpreting observations through process</i>	
12:45	Discussion	
13:00	Lunch	024

Time	Topic	Location
<b>14:00</b>	<b>Value of AMOC observing and Observational priorities</b>	<b>022/023</b>
14:00	Rong Zhang Understanding multidecadal AMOC variability and associated impacts	
14:15	Tiago Bilo Weakening of the AMOC abyssal limb in the North Atlantic	
<b>14:30</b>	<b>Lightning poster talks (3 minutes each)</b>	<b>022/023</b>
	Lei Han <i>Mechanism on the short-term AMOC variability</i>	
	Hiroki Nagao <i>Observing the oxygenation of the Denmark Strait Overflow Water in the Irminger Basin</i>	
	M. Dolores Perez Hernandez <i>The seasonal cycle of the eastern boundary currents of the North Atlantic subtropical gyre</i>	
	Nora Fried <i>A Lagrangian study on the structure and pathways of the Irminger Current</i>	
	Ilaria Stendardo <i>Variability of subpolar mode water in the subpolar North Atlantic</i>	
14:45	Cristina Arumi Planas <i>An updated analysis of the freshwater transport by the AMOC at 34.5°S</i>	
	Daniel Santana-Toscano <i>Zonal circulation in the North Atlantic ocean at 52°W from WOCE-WHP and CLIVAR sections: 1997, 2003 and 2012</i>	
	Guillaume Hug <i>Mid-20th century Atlantic circulation informed by modern observations and models</i>	
	Emmanuel Eresanya <i>AMOC change in recent time- Model and observation perspective</i>	
	Iuliia Polkova <i>How good should the initial conditions for decadal climate predictions be in terms of the AMOC?</i>	
15:00	Nicholas Foukal <i>The importance of subpolar continental shelves to the large-scale overturning circulation</i>	
	Veronica Cainzos <i>Thirty years of GO-SHIP and WOCE data: Atlantic overturning of mass, heat, freshwater and anthropogenic carbon transport</i>	
	Gregory Koman <i>Understanding the decreasing transport of the DWBC within a steady AMOC</i>	

Time	Topic	Location
<b>15:10</b>	<b>Lightning poster talks (3 minutes each)</b>	<b>022/023</b>
	Pete Brown <i>Enhancing observational mooring arrays for next generation biogeochemical measurements</i>	
	Sunke Trace-Kleeberg <i>Hydrographic properties of the Denmark Strait Overflow</i>	
15:15	Gaurav Madan <i>The weakening AMOC under extreme climate change</i>	
	Joe Gradone <i>Upper ocean transport in the Anegada Passage from multi-year glider surveys</i>	
	Elodie Duyck <i>Cross-shelf exchanges between the East Greenland shelf and interior seas</i>	
	Eleanor Frajka-Williams <i>Explaining and Predicting the Ocean Conveyor</i>	
15:45	Poster session + coffee	Atrium + 024
<b>16:15</b>	<b>Value of AMOC observing / Observational priorities</b>	<b>022/023</b>
	Isabela Le Bras <i>The AMOC at 35°N from deep moorings, floats and satellite altimeter</i>	
	Maria Paz Chidichimo <i>Energetic overturning flows, dynamic interocean exchanges, and ocean warming observed in the South Atlantic</i>	
	Olga Sato <i>Enhanced array for AMOC observations in the South Atlantic</i>	
<b>17:15</b>	<b>Discussion + Close</b>	
<b>17:30</b>	<b>END OF DAY 1</b>	

Day 2

19 July 2023

Morning

Time	Topic	Location
08:45	Registration	By 023
09:00	<b>Open &amp; Plan for the day</b>	022/023
<b>09:10</b>	<b>Roadmap for future AMOC observing</b>	<b>022/023</b>
09:10	Katy Hill <i>Lessons learnt from Observing System reviews and perspectives on next steps</i>	
09:25	Thomas Haine <i>High resolution ocean circulation models to understand processes and guide observations</i>	
09:40	Eric Chassignet <i>Nature run for AMOC investigations: What are the minimum requirements?</i>	
09:55	Yao Fu <i>Interannual variability of the subpolar MOC and OSNAP array reduction experiment</i>	
10:10	Shane Elipot <i>Western boundary overturning estimation: Past and future studies</i>	
10:25	Gerard McCarthy <i>Can we trust projection of AMO weakening based on climate models that can't reproduce the past?</i>	
10:45	Coffee	024
<b>11:15</b>	<b>Roadmap for future AMOC observing</b>	<b>022/023</b>
11:15	Patrick Heimbach <i>Simulation-based approaches for quantitative observing system design</i>	
11:30	Jörg Fröhle <i>DWBC variability in the Labrador Sea and its link with sea surface height variability</i>	
11:45	Simon Wett <i>Meridional connectivity of a 25-year observational AMOC record at 47°N</i>	
12:00	Daniel Whitt <i>A tale of two perspectives on AMOC observing needs: historical gravity and altimetry satellite missions and future Earth system simulations</i>	
<b>12:30</b>	<b>Lightning array updates (3-minute updates)</b>	
	MOVE 16°N: Update	
	RAPID 26°N: AMOC variability + array design	
	OSNAP: Update	
	SAMBA: Update	

Time	Topic	Location
12:45	<b>Discussion + Intro to breakouts</b>	<b>022/023</b>
13:00	Lunch	024
14:00	<b>Breakouts Topics #1</b>	By group
	Group 1	
	Group 2	
	Group 3	
	Group 4	
	Group 5	
	Group 6	
	Group 7	
	Online Groups A-D (to be distributed using online Breakout Rooms)	
14:30	Within breakouts: Summarise Topics #1	By group
15:00	Coffee	024
15:30	<b>Breakout reports: Topic #1</b>	<b>022/023</b>
16:15	<b>Breakouts Topics #2</b>	<b>By group</b>
16:45	Within breakouts: Summarise Topics #2	By group
17:15	<b>Day 2 close + Plan for tomorrow</b>	<b>022/023</b>
	<b>END of DAY 2 at 17:30</b>	

18:20 Depart your hotel or the Institute to get to the restaurant

19:00	<b>Dinner: Restaurant Hobenköök</b>	city
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## AMOC workshop

Day 3

20 July 2023

Morning

Time	Topic	Location
08:45	Registration	By 023
09:00	<b>Open &amp; Reminder of workshop aims</b>	022/023
<b>09:15</b>	<b>Breakout reports: Topics #2</b>	<b>022/023</b>
09:15	Group 1	
09:18	Group 2	
09:21	Group 3	
09:24	Group 4	
09:27	Group 5	
09:30	Group 6	
09:33	Group 7	
09:36	Group A	
09:39	Group B	
09:42	Group C	
09:45	Group D	
<b>10:00</b>	<b>Discussion</b>	<b>022/023</b>
10:45	Coffee	024
<b>11:15</b>	<b>Discussion + next steps</b>	<b>022/023</b>
<b>12:15</b>	<b>Close</b>	
	<b>END OF MEETING AT 12:30</b>	
12:30	Lunch	024

AMOC workshop

Dinner (Wednesday 19 July) will be at 19:00 at:

## Restaurant Hobenköök

[Stockmeyerstraße 43, 20457 Hamburg](#)

**Note:** It takes about 30 minutes to reach the restaurant from Bundesstraße 53. Plan to leave your hotel or Bu53 by 18:15-18:25 to arrive on time.

### Directions:

Take the U3 (yellow) metro from Schlump in the direction Wandsbek-Gartenstadt. Exit at stop Mönckebergstraße. From here, it is a 15 minute walk to the restaurant. Head south until you reach the water. Turn left and go past 2 bridges - cross the water on Oberhafenbrücke. Make the first left onto Stockmeyerstraße.

