

## 18<sup>th</sup>ASOF-ISSG Meeting and Workshop



28-30 September 2020, MFRI, Hafnarfjörður, Iceland



The meeting will be held online using zoom.

All times stated are Central European Summer Time (UTC = CEST -2h, EDT = CEST -6h).

### Monday, Sep 28, 2020

1400-1420 Michael/Tom/Andreas *Welcome and remembering Bob Dickson*

#### Science session day 1

1420-1440 Rebecca Woodgate Freshening of the Pacific inflow to the Arctic

1440-1500 Georgi Laukert Tracing Arctic waters with neodymium isotopes – pioneering efforts, current advancements and future challenges

1500-1520 Laura Whitmore Gallium: A New Tracer of Pacific Water in the Arctic Ocean

1520-1540 Heather Regan Investigating the variability and dynamics of the Beaufort Gyre from satellite observations and a high-resolution model

1540-1600 Laura de Steur Evolving properties of the East Greenland Current in Fram Strait: signals and impacts of Arctic Ocean change.

1600-1620 *Coffee Break*

1620-1640 Thod. Karpouzoglou Preliminary results of the transport of low salinity water with the East Greenland Current through Fram Strait since 2015.

1640-1700 Anne-Marie Wefing Understanding circulation processes in the Arctic and Subarctic Seas using a combination of anthropogenic chemical tracers

1700-1720 John N. Smith Changing oceanic pathways: what we can learn from the synoptic tracer 129I sections across the Arctic Ocean from the 2015 German, US and Canadian GEOTRACES cruises

1720-1740 Atousa Saberi Lagrangian Perspective on the Origins of Denmark Strait Overflow

1740-1800 Y. Garcia Quintana On the sources of the North Icelandic Jet

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**Tuesday, Sep 29, 2020:**

**Science session day 2**

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|-----------|---------------------|---|
| 1400-1420 | Qiang Wang          | Increasing variability in the Arctic Ocean in a warming climate   |
| 1420-1440 | Maria Casanova      | Alongstream, seasonal and interannual variability of the North Icelandic Irminger Current and East Icelandic Current around Iceland from 1993 to 2017 |
| 1440-1500 | Nick Foukal         | A pathway for the East Greenland Coastal Current across Denmark Strait  |
| 1500-1520 | Kevin Wiegand       | Exchange of water mass properties between the Greenland shelf and the surrounding subpolar North Atlantic   |
| 1520-1540 | Paul Myers          | On the West Greenland Current. Is there a West Greenland Counter Current?   |
| 1540-1600 | <i>Coffee Break</i> |   |
| 1600-1620 | Marilena Oltmanns   | Warm European summers initiated by freshwater events in the North Atlantic  |
| 1620-1640 | Isabela Le Bras     | How much Arctic fresh water participates in the subpolar overturning circulation?   |
| 1640-1700 | Neil Fraser         | A century of AMOC variability reconstructed from observations using the Bernoulli inverse   |
| 1700-1720 | Cecilia Bertosio    | The Western Eurasian Basin Halocline in 2017: Insights from Autonomous NO Measurements and the Mercator Physical System                               |
| 1720-1740 | Marylou Athanase    | Atlantic Water modification North of Svalbard in the Mercator Physical System from 2007 to 2020   |
| 1740-1800 | Mengting Zhang      | The level and source of anthropogenic <sup>129</sup> I in the South China Sea   |

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MARINE & FRESHWATER  
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**Wednesday, Sep 30, 2020**

**Observing campaigns session day 3**

1400-1420	Tom Haine	Arctic Ocean Freshening Linked to Anthropogenic Climate Change: All Hands on Deck
1420-1440	Andreas Macrander	Observations, projects and cruises of MFRI, Iceland
1440-1500	Benjamin Rabe	Oceanographic measurements during MOSAiC
1500-1520	Rebecca Woodgate	The Bering Strait Mooring Cruise 2020 - a remote approach to research cruise
1520-1540	Laura de Steur	Updates from the Arctic Outflow Observatory in Fram Strait
1540-1600	<i>Coffee Break</i>	
1600-1640	Marilena Oltmanns	Cruise updates from the National Oceanography Centre
1640-1700	Craig Lee	Davis Strait program update
1700-1720	John Smith	Canadian cruises in the Canada Basin and Labrador Sea undertaken in 2020 under COVID 19 conditions.
1720-1800	all	AOSF issues