



MOSAiC Status Update Nr. 3/2019

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1. Expedition planning – Start in Tromsø

The official start date of the MOSAiC expedition has been set to the 20th of September 2019. The schedule for the set up period in Tromsø is not completely fixed yet, but here is a first overview. For questions, please contact schiffskoord@awi.de.

02/09/19	deadline freight delivery direct freight to Tromsø
06/06/19 – 13/09/19	reshuffling cargo, preparing staging and storage containers
13/09/19	Polarstern arrives in Tromsø
13/09/19 – 16/09/19	unloading, preparation and loading of Polarstern → generally no visits on board, exceptions are currently under discussion
15/09/19 – 16/09/19	Safety briefing for all participants
17/09/19 – 20/09/19	staging of instruments on board, lab preparation
20/09/19	official farewell event & departure

2. Freight – labels and colour codes

As stated earlier, we have three types of freight:

- 1) Cargo sent to Bremerhaven to go directly on board Polarstern (Label BHV)
- 2) Cargo sent to Bremerhaven to be sent to Tromsø for reshuffling via AWI (Label Tromsø)
- 3) Cargo sent to Tromsø directly (Label Tromsø_direct)

For all freight, please use the freight labels provided for each of these options. You also find them on M365: [MOSAiC All/Groups/Logistic](#)

Each cargo item should also be marked with a colour code. We will distribute a colour code for each project – a list will be distributed with the next Status Update.

It will also be possible to send cargo on the *supply vessels* (except the exchange between leg 3 and 4 via aircrafts). If you plan to do so, please fill you planned cargo in the freight list, where you find a tab for each supply cruise ([MOSAiC All/Groups/Logistics/freight](#)). This will help us to judge if this is feasible or not. The labels will be defined later. For questions contact schiffskoord@awi.de



3. Work visits on Polarstern before MOSAIC

Some projects have stated the need to install or test things on board Polarstern during the shipyard time this summer. Work visits to Polarstern are possible in general from the 3rd of July until the 4th of August, although it is always possible that access will be denied due to a change of the work schedule of the shipyard. Work concerning the vessel comes first. If you do need to work on board, please fill the list concerning work visits until the 31st of May 2019. If you do need assistance from the shipyard or crew, please state and specify.

We will come back to you after the planning meetings in June.

You find the list on M365: [MOSAiC All/Groups/Logistics/Workvisits Polarstern Summer 2019](#)

4. STCW Basic Safety Training

Due to Russian regulations, all participants that will travel with the Vessel Admiral Makarov (this concerns participants of Leg 1, 2 and 3) have to have a STCW Basic safety training – or with the official name „STCW VI/1“ . This course contains several subsections (see appendix) you need all of them. Therefore, only courses covering all subsections are valid. Sometimes this is stated as „STCW VI/1-1, 1-2, 1-3, 1-4“

The good news is that this course contains an extensive first aid training. Therefore there is no need any more for AWI participants (of Leg 1, 2, 3), to take part in the AWI first aid training. If you have registered already, please contact Claudia.baer@awi.de

5. Helicopter training

All participants have to have a STASS training - 'Short Term Air Supply System' for helicopters. This will be covered during the mandatory 2-day briefing before each cruise leg.

We strongly advise participants that are planning to use the helicopters to also have the 'Helicopter Underwater Escape Training (HUET)'.

6. Leg 1a – Exchange of people between Federov and Polarstern

Many projects have raised interest to have additional personal on the first part of Leg 1, which would be leaving with the Federov. Leg 1a is divided in several parts – travel to the ice with Polarstern and the set up the ice floe, during which Federov will set up the distributed network. In order to plan accordingly, we need fixed numbers regarding the extra participants for Federov by the 20th of March 2019. For questions, please contact anja.sommerfeld@awi.de

7. Freight regulations for radioactive substances

All radioactive substances have to be loaded in Bremerhaven to go on board Polarstern and have to leave Polarstern in Bremerhaven after MOSAIC. If this concern you, please contact magnus.lucasson@awi.de and schiffskoord@awi.de

8. Interference

As we come closer to the start of the expedition, we have to define exact locations for installations of instruments on the ice and on board Polarstern. Please verify the information in the interference



table or fill in your device if you have not done yet until the 10th of March 2019. Like this, we can discuss possible interference issues during the workshop.

[MOSAIC All/Tasks/interfecence/](#)

9. Upcoming events

Event	Date	Time	Location
Snow & Ice Training 1	23.2.19 – 1.3.19	All day	Oulu, Finland
Snow & Ice Training 2	1.3.19 – 7.3.19	All day	Oulu, Finland
MOSAIC Workshop	11.3.19 – 15.3.19	All day	Potsdam

Appendix:

STCW section VI/1 basic safety training content:

- Personal Survival Techniques VI/I-1
- Fire Prevention and Fire Fighting VI/I-2
- Elementary First Aid VI/I-3
- Personal Safety and Social Responsibility VI/I-4

Course content:

Personal Survival Techniques VI/I-1

- Introduction, safety and survival
- Emergency situations
- Evacuation
- Survival craft and rescue boats
- Personal life – saving appliances
- Survival at sea
- Emergency radio equipment
- Helicopter assistance

Fire Prevention and Fire Fighting VI/I-2

- Introduction and principles
- Minimize the risk of fire
- Maintain a state of readiness to respond to emergency situation involving fires
- Fight and extinguish fires
- Review and final assessment

Elementary First Aid VI/I-3

- General principles
- Body structure and functions



- Positioning of casualty
- The unconscious casualty
- Resuscitation
- Bleeding
- Management of shock
- Burns and scalds, and accidents caused by electricity
- Rescue and transport of casualty

Personal Safety and Social Responsibility VI/I-4

- Safe work on ship
- Human relationship and contribution for good human relationship on ship
- Understanding order and ability of understanding given order
- Methods in emergency
- Prevention for pollution of sea environment
- Human relationships