Preparations before your expedition

Background

To fulfill a smooth data flow management you are kindly asked to "digitally onboard" each scientific device or gear you bring on board in https://sensor.awi.

The data management system DShip will (semi-)automatically take over and onboard your equipment.

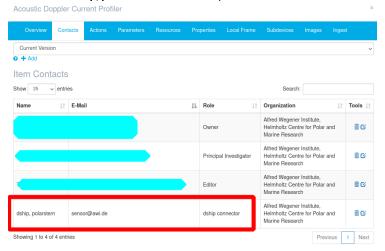
It will then automatically create data folders for you (on the MDM (Mass Data Management) server) and thus the data transfer back on land, after your campaign, can run smoothly and keeps track of your data, the corresponding devices and their meta data.

Also the digital station protocol DShip ActionLog on board will list all your onboarded devices so that your scientific deployments can be perfectly tracked.

Onboard your scientifics devices and gears (digitally)

In order to digitally bring all your scientific devices and gears on board a few steps need to be done:

- 1. Register your devices or gear in https://sensor.awi.de
 - a. In case they already are, skip this step
 - b. In case you need help, please head to https://spaces.awi.de/x/DxEUEg
 - c. In case you need more help, please do not hesitate to ask at o2a-support[at]awi.de
- 2. In order to mark a device to be "on board" Polarstern, add a certain contact to your devices in SENSOR:
 - a. Add Contact "dship, polarstern" with role "dship connector



- 3. Make sure the item is set to "Public", not "Construction" (which would be default for a newly registered item)
- 4. On board the vessel the system manager will take over the list of onboarded devices from SENSOR.
 - a. In case you already are on board and added devices after the campaign started, just ask the system manager to make a re-import.

Your benefits

- 1. Registered devices are automatically taken over to the DShip Actionlog on board, thus your specific devices can be adressed for the station protocol
- 2. Data folders are automatically created on the MDM (Mass Data Management) server so you can savely store your device data there and it is automatically transferred back on land after the campaign.
- 3. All your data and your station events (deployments, profiles, ...) is linked to your device and its metadata, even in 20 yrs, which is really good research data management practice!
 - a. The following steps of the O2A Data Flow Concept such as remotely working on the data or publishing data to PANGAEA will be much smoother and easy to accomplish.