

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.de>.

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 scientific 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](mailto: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"

Acoustic Doppler Current Profiler

Overview	Contacts	Actions	Parameters	Resources	Properties	Local Frame	Subdevices	Images	Ingest
Current Version									
 Add									
Item Contacts									
Show 25 entries		Search: <input type="text"/>							
Name	E-Mail	Role	Organization	Tools					
		Owner	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research						
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dship, polarstern	sensor@awi.de	dship connector	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research						

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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 addressed for the station protocol.
2. Data folders are automatically created on the [MDM \(Mass Data Management\)](#) server so you can safely 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.