Step 1 - Describe your sensor and your sensor output data

Describing your sensor is the foundation of future use and re-use of sensor information e.g. publishing data in AWI-operated portals, monitoring of data streams, archiving data, etc. The web application sensor.awi.de is available to manage the sensor-specific information (e.g manufacturer information, serial number, inventory number, photos, calibration reports, physical characterization of parameters, etc).

Please start with sensor.awi.de, log in or create a new account. Choose a platform type and add your sensor and complement the basic information.

> ⚠ You will find further handling information in the AWI Intranet under "Sensor Information System" or some video hints in sensor.awi.de itself.

Describing your sensor output data as a generic "raw data project" is a necessary part for a seamless data transfer undergoing a "file structure" validation process, adding metadata and assigning a digital object identifier (DOI) for the dataset achived in the PANGAEA-System.

The description consists of data format manuals to re-use the data and a generic file- and directory-naming convention. Please use the "**Ingest**"-Tab of your sensor in sensor.awi.de. as a first contact. The data format document(s) has to be stored in ePIC or in sensor.awi.de as by the "Resources"-Tab.

The file- and directory-naming convention will to be declared as an regular expression once only. Each new dataset is checked against this expression automatically. The metadata creation section combines the date and time information out of the file and/or directory names with the track information if available. Both, the dataset and metadata will be submitted to the PANGAEA-System.

By this, it is a good idea for further steps to store your sensor data in a sensor specific directory structure.

The standard convention for the file- and directory-naming are:

```
sensor-1/Cruise-ID/Station-ID/"sensor-data-files"
sensor-2/Cruise-ID/Station-ID/"sensor-data-files"
...
sensor-n/Cruise-ID/Station-ID/"sensor-data-files"

The name oder ID (DeviceURN) of "sensor-i" should
have a reference in SENSOR.awi.de.
```

> ⚠ You will find further information in the AWI intranet under "RDIF: Raw Data Ingestion Framework at AWI".

Now it is time for step 2a or 2b or 2c.

Use o2a-support@awi.de for questions/comments.

SENSOR INFORMATION SYSTEM

Create and manage platform, device and sensor related information

BROWSE
Devices, sensors, asset/serial numbers, deployment history ...

TUTORIAL
Create metadata, use the device store re-assign sensors

LOGIN
Manage your own device and sensors

Magnetische Schneehoehensonde

| Overview | Contacts | Actions | Parameters | Resources | Properties | Local Frame | Subdevices | Images | Ingest |

Current Version

CONTACT FORM FOR DATA INGEST

Transmission Type
Choose...
Select the type of data submission.

Data Access
☐ by special applications, scripts or Jupyter Hub using data files
☐ by dashboard.awi.de
☐ published to Pangaea
Select how the data should be accessible.

Transmission Start
dd / mm / yyyy
Select, when RAW data transmission should be started

ePIC-Link
Enter the ePIC Link, if available, for non-standard RAW files.

comment
Describe the content of the data.

Send Request

Close