

## **Introduction to info sheets on the iAOS portal, data catalogue and survey**

The data from the observing systems represent the first step in the data value-chain from raw data to higher-level data products. These products are used in scientific analysis, modelling and remote sensing algorithms. The observational data are collected in various scientific disciplines and stored in different data repositories which are organized on international, national or institutional level. The complexity of the data repositories is a challenge for data management and data sharing within and between the scientific disciplines. In this section examples of distributed data repositories are presented which are accessible via portals and catalogues. The INTAROS data catalogue is a single entry point to data produce or made available through the project. An example of data sets is the Merged Observatory Data Files (MODF) for the Year of Polar Prediction (YOPP) supersite model Intercomparison Project. The MODF have also enabled the creation of new products combining modelling, in situ and remote sensing observations.