

THE CURATION OF ICE CORES AT AWI

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This contribution will give an overview about the workflow in handling, processing and data management of ice cores drilled over the last decades under logistic support of AWI. Since drill campaigns at remote polar sites are associated with high personell efforts and high financial costs a thorough curation is desirable and a prerequisite for successful ice core research. In its best sense, a comprehensive and low-threshold access to important information concerning sample availability and meta-data/ data analysis may even trigger research. To this end a relational sample management software was implemented at AWI, called iceDB, which enables scientists to search for ice samples and associated information like campaign meta data, logging, transport, cutting, core quality, breaks, additional observations and all kinds of measurements that have been performed so far on respective samples. In the presentation we will give an introduction to iceDB using specific case studies:

- Exploring the spatial coverage and availability of firn core/surface samples in Greenland
- Exploring the availability of subsamples from BEOIC –use case with focus on subsample activities
- Exploring the measurement activities on NGT-Greenland ice cores –use case with focus on core sample selections

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