

## HZB Site-Report

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ICAT Meeting @ 11<sup>th</sup> NOBUGS, Copenhagen, October 2016

- HZB data policy adopted in June 2016.
- Current status: “Test production”. Two beamlines register their data in ICAT.
- Makeshift installation of ICAT in a VM without significant storage.
- Next stage of deployment is expected to start by the end of the year.
- Full implementation is expected to take years.

- ICAT installation in a virtual machine (VMware). All components (authenticators, icat.server, ids.server, and topcat) in one Glassfish instance.
- Cronjob to import proposal data from HZB user office portal GATE.
- Neutron scattering beamlines store their data into HZB NAS since years.
- For two of the beamlines, automatic registration of datafiles into ICAT is hooked into the process to copy the data to the NAS.
- Customized IDS storage plugin, derived from ids.storage\_file, accesses the NAS read-only and serves the datafiles.

- Upgrade of the existing storage infrastructure is currently underway.
- Planned to have two dedicated server for ICAT components directly connected to the storage.
- Archive storage on a hierarchical storage management built on Quantum tape libraries and HP 3Par disk storage.
- The IDS archive storage plugin will see a normal file system, although most files will have a rather high latency on read access.
- Option: API calls to query the status and estimated time for retrieval of files in archive storage.
- Main storage on HP 3Par disk storage.
- Integration of remaining HZB beamlines will start after ICAT has moved to the new hardware.