

P4.21 Long-term data management in the SAO RAS archive system

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- The SAO RAS has the archive facility, which contains digital collections, obtained on the different instruments of SAO RAS since 1994.
- Within so long term of existence the archive underwent substantial changes in the data formats, metadata, methods of data processing and 3 times migrated on new digital carriers.
- Storage area=off-line: 2 optical disks copies + on-line: 2 copies on RAIDs.
- Information system= 2 instances (work and test) on 2 servers: PostgreSQL + web-interface (Perl,php,Python).
- Volume – 1.5 TB, 0.5 mln files, 1 mln records.

 *Slogans for archive providers:*

- ◆ There is no doubt in the need for long-term keeping of data
- ◆ A timely migration of digital files on the modern carriers is required to ensure long-term preservation of data
- ◆ And small archives need attention
- ◆ Providers of small archive unite efforts - enough to invent a bicycle (software, curation metadata, etc)