

## Progress Report

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## Report

### 1. Mission statement

Helsinki University Library is a national service and development unit, which is responsible of fostering domestic and international cooperation between libraries. The library acquires, preserves and makes available to the users the published Finnish cultural heritage and its scientific collections.

### 2. Computer Networks and Internet connectivity

*Please tell your colleagues about your network type, protocols used, services provider, telecommunication equipment used, etc. below*

#### a. In general HW, SW:

FUNET network is used for data communication between universities, polytechnics and various other research institutions. See <http://www.csc.fi/suomi/funet/index.html.en> for details.

#### b. New HW, SW; connectivity upgrades:

The network was recently extended to all polytechnics. All critical connections have been made redundant (at least two parallel physical lines; see <http://www.csc.fi/suomi/funet/verkko.html.en>). The present capacity is 2.5 Gbit/s on trunk lines.

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### 3. Library automation

*Please tell your colleagues below what library automated system you use, what hardware you use to run it and which unusual modules do you use or develop*

#### a. In general HW, SW:

Voyager system is in use in all university libraries and in about 50 % of the 27 polytechnics libraries; all of them will be automated by the end of 2003. University library OPACs and the national databases (national bibliography, national discography, article index, national union catalogues Linda and Manda) all share a Sun E10000 with five domains (independent servers within one computer). The machine has 32 CPUs, 28 GB memory and 1.6 TB disk. The number of concurrent users is about 6000. Polytechnics libraries share a Sun SF4800 with 8 CPUs. Both the E10000 and SF4800 servers are maintained by the Center for Scientific Computing, the Finnish national supercomputing centre.

#### b. New HW, SW, other:

Sun E10000 will be upgraded with 8 CPUs in order to cope with the increasing usage (growth rate about 20 % annually) of the databases and additional load introduced by the MetaLib portal software (which will access Voyager via Z39.50).

University libraries have decided to acquire and implement Ex Libris' MetaLib portal software. It will be used as the one stop shop application to access all electronic content (journals) and databases licensed via the National electronic library programme, university library OPACs and the national (bibliographic) databases.

The portal server maintenance will be outsourced to CSC. The service will become operational in January 2004.

University libraries are also acquiring a digital object management tool (DOMS). The decision of which system to choose will be made in May 2003; the present plan is that the service will be in operation in Summer 2004.

Integrated library system, portal and DOMS application will form a coherent digital library service. The national library will coordinate the service via establishing standard-based interfaces between these applications (and e.g. other ILS in use in Finland).

We have acquired 400 users licence of BookWhere Z39.50 client in order to maximize the efficiency of copy cataloguing. There is also a shared licence of WorldCat; the cataloguers are told to use first the 1000+ free Z39.50 databases pre-configured into BookWhere.

MARC conversions (essential part of copy cataloguing process as our internal format is a variant of MARC21 called MARC21-Fin) are done with UseMARCON;

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we have developed a number of conversion tables. This converter will also be used within Voyager in order to deliver FINMARC via Z39.50.

### 4. Union catalogue

*If you run a Union Catalogue, please specify which software you use and which interesting features are linked to your UC*

#### a. Software used:

See above.

#### b. New features:

Automated maintenance of Linda (with Voyager Union Catalog module) is as of this writing being implemented. Overall, the process is working reasonably well; our most serious headache is lack of truly efficient duplicate control in Voyager. This should not be too much of a problem when the system is in full operation (and cataloguers check the availability of records in the union catalogue first).

### 5. Digital library

*If you run a Digital Library, please tell us more in following list items*

#### a. Based on your own production of digital documents:

The Finnish Historical Newspaper Library 1771-1860, available at [http://digi.lib.helsinki.fi/index\\_en.html](http://digi.lib.helsinki.fi/index_en.html), contains almost 200.000 digitised and OCR-converted newspaper pages. The service is available for free; most of the resources are in Swedish. Elektra project has digitised and made available via the ARTO article index more than 8000 Finnish scientific articles in full text.

#### b. If so, what is new in your digitalization programmes:

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#### c. Based on external sources:

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### **d. Important commercial web services accessible to your users:**

The Finnish Electronic Library (FinELib) has licenced a lot of electronic resources to Finnish universities and other institutions of higher learning. See <http://www.lib.helsinki.fi/finelib/english/index.html>.

### **6. New in-house database**

*Any interesting databases?*

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### **7. Special web services**

*Something nobody else has? Or much better than any other place?*

Finnish Web archive contains 11.7 million files harvested from 42 million locations (URLs) from Finnish servers in .fi and other root domains such as .com. As of this writing about million of these files have been indexed in full text. The database (but not the documents themselves, except within the legal deposit libraries) will be available to the public. We have in March 2003 harvested materials related to Finnish parliament elections and will carry out the 2nd harvesting round in Spring 2003, using the NEDLIB harvester (see <http://www.csc.fi/sovellus/nedlib/index.phtml.en>).

### **8. Electronic document delivery**

*Do you have or plan EDD? How do you fight EU Copyright Directive?*

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### **9. Research and technology development projects**

*Any other interesting R&D projects?*

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### **10. Other important projects**

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*Anything else you wish others to know about your library?*

We participate actively in the Scandinavian Virtual Union Catalogue and the ONE Association -initiatives, which have the aim of fostering sharing of bibliographic records between European union catalogue hosts.