

Preface

2009 was the first year with the new steering committee for Denmark's Electronic Research Library (DEFF). As committee members we have encountered a collaborative organisation that focuses on positioning Denmark at the very front as a knowledge society and creating the best opportunities for students, educators and researchers to get access to relevant knowledge.

The initial task for the steering committee was to ensure stability of the work in a dialogue with the programme groups about their action plans. It meant that in continuation of the approval of the programme groups' action plans we worked out a budget for the implementation of these.

In the autumn we made the first moves for the preparation of a new strategy which is based on the sound infrastructural foundation, which DEFF has established, and i.a. also the fact that 2009 was the year when gymnasiums (upper secondary schools), Social and Health Care Schools (SOSUs) and Centres for Adult Education (VUCs) joined the

DEFF family. The inclusion of the many, new institutions in DEFF makes it possible to make sure that the majority of the future work force will grow up with the application of digital knowledge. This provides a unique springboard for Denmark becoming an innovative and competitive society. It is this ambition that the steering committee will pursue in the work related to the new strategy. In 2010 we are going to concretise the work and involve the DEFF family, the programme groups, our many partners and the politicians in the implementation of DEFF's mission, vision and strategy.

I hope that all DEFF stakeholders will share our ambitions about a new strategy and participate actively in the work.

With best wishes



Mai Buch

Chairwoman, DEFF Steering Committee

Introduction

Denmark's Electronic Research Library (DEFF) is an inter-ministerial collaborative organisation for Danish educational, academic and research libraries. DEFF is co-financed by the Ministry of Culture, the Ministry of Science, Technology and Innovation and the Ministry of Education. The overall management of DEFF is in the hands of a coordination committee consisting of representatives from the three ministries mentioned above. The committee has the overall decision-making authority for DEFF. The strategic direction and grants for projects are decided by the DEFF steering committee which consists of representatives appointed by each 'owner ministry' and an external chairwoman. The DEFF secretariat coordinates the daily work and services both coordination committee, steering committee and the four programme areas.

About DEFF's activities

DEFF works to ensure that researchers, educators and students in educational institutions and universities have access to relevant information via user-friendly systems and guidance of high quality. DEFF contributes to an optimal exploitation of research-based information resources and to collaboration between library partners, joint development projects as well as the establishment of a technical infrastructure.

DEFF has three overall goals:

- The end users' exploitation of electronic resources, both qualitatively and quantitatively, must be improved
- The collaboration between educational, academic and research libraries must be fortified and include new partners
- The results must be documented, disseminated and communicated to the public.

The DEFF collaboration includes common development in those cases where collaboration yields a better result than the sum of local initiatives. This guarantees a better collective exploitation of the libraries' resources.

Activities in DEFF 2009

2009 was an active and rewarding year for the DEFF collaboration. A new steering committee was established with a new chairwoman – Mai Buch, director at Competencehouse – and a number of new members. The gymnasiums, the VUCs and the SOSUs – about 165 institutions – became part of the DEFF collaboration as per 1. January. The License Group for Educational Libraries (LUB) and the License Group for Universities and Research Institutions (LUF) and the four programme groups have maintained their high level of activity and ambition and have instigated a number of exciting projects and activities.

The DEFF secretariat

The steering committee has initially been focusing particularly on the preparation of a new strategy for DEFF. One significant input for this task was provided by the report *The Future of Research and the Research Library*, which was prepared for DEFF by Hans Siggaard Jensen, professor at the Danish School of Education and co-owner of the consultancy firm The Lime Guild. The report offers several scenarios for future library service to researchers.

The steering committee's work on a new strategy is expected to be completed during 2010. The steering committee has also been focusing on letting the programme groups realise their strategy and action plans with as little friction as possible.

The secretariat has participated in a number of

resource demanding activities. Among others, DEFF has been handling the chairman and secretariat function for the Open Access Committee. In 2010 this committee is scheduled to plan and carry out the implementation of EU's Council of Ministers' conclusions on scientific information in the digital age. The Australian professor of economics, John Houghton, has with his report commissioned by DEFF: *Costs and Benefits of Alternative Publishing Models*: Denmark produced a meticulous scientific justification for an active policy for Open Access. Apart from this, the work with a national data well for e-books and e-journals has been prioritized highly. The secretariat has moreover been dealing with a number of tasks in connection with the bibliometric research indicator.

In international terms DEFF is a partner in Knowledge Exchange (KE). Other partners are German Deutsche Forschungsgemeinschaft (DFG), Dutch SURFfoundation and British Joint Information Systems Committee (JISC). KE's new organisational structure with only one management representative from each of the partner countries in the KE steering committee has worked impeccably and made the collaboration more competent in terms of decision-making and flexibility.

Status for the project work in the programme groups will be described in the following sections of the report. Developments in projects of particular importance such as DanBib and its coupling

to the global cataloguing and ordering system Worldcat, common Electronic Resource Management System (ERMS) and the access management project *Where Are You From (WAYF)* will likewise be expanded on below.

The DEFF license secretariat

Another important event in 2009 was the inclusion in DEFF of the gymnasiums, the VUCs and the SOSUs. The license secretariat has provided a license package for the new members as well as incorporated some in the License Group for Educational Libraries (LUB). Secretarial assistance has also been given to a preparatory project about a common technical platform, including library system for the gymnasium sector.

Other significant activities included the license secretariat for the first time hosting DEFF online in 2009 – a one-day seminar for members of the DEFF consortia. Nine publishers presented their products, and with its over 70 participants the day was deemed a success – and to be repeated in 2010. 2009 was also the year where the invoicing of licenses to all participating institutions was reorganised so that it now takes place twice a year via the further developed license database. The license collaboration with LUB and LUF has likewise been fruitful and towards the end of the year resulted in the adoption of a joint service declaration.

DEFF activities in 2010

Great expectations surround the DEFF steering committee's strategy work. The ambition is constantly to develop and target more DEFF services and spread these to an ever increasing volume of users, including potential users like small and medium-sized businesses as well as entrepreneurs. The DEFF libraries already cover most of the future Danish work force. This requires larger budgets and political goodwill, but if the mission succeeds improvement and consolidation of the infrastructure, which is a primary DEFF task, can be continually developed.

The DEFF programme groups' mandate expires by the end of 2010. This means that from now on the steering committee and the secretariat have to produce the outlines for a 'new' DEFF. In terms of licenses focus will continue to be directed at development and implementation of increased and improved IT-based service. This applies both to the license helpdesk, the interface for the license administration database and to the accounts in connection with invoicing. Work will likewise start on the construction of a new homepage for DEFF, which is expected to facilitate web project applications and general web service and make both more user-friendly.

DEFF's strategic ambition is to get ever more close to the study process, including working more with lifelong learning, e-learning and information literacy. E-science and primary data are also going to be important focus areas.

Results and milestones in the history of DEFF

In the light of DEFF's relatively brief history large investments have been made via the collaboration in the upgrading of library systems and digitisation of card catalogues and periodicals. Access has been established to licensed electronic resources, and search systems and institutional repositories developed. A collaboration on purchasing has been established with more than 225 institutions with a turnover of over DKK 135 mil. annually in connection with the purchase of licenses for electronic periodicals and databases.

Right from its existence as a project from 1998-2002 and subsequent permanent activity, DEFF has achieved remarkable results to the benefit of the users of the Danish academic, educational and research library sector.

1998-2002 – Digitisation of the libraries

During this period new online catalogues of physical materials were developed, while a migration from printed to digital periodicals with remote access was secured. The objective with this particular endeavour was digitisation of the libraries based on an upgrading of the local library systems (The University Library of Southern Denmark, The State and University Library, The Royal Library and over a hundred more libraries). In the same period DEFF digitised the 'catalogue boxes' (2.5 mil. catalogue cards and 882,000 references). This formed an important basis for bibliotek.dk

Digital materials, research registration and web archiving

At the beginning the use of licenses was limited to the physical library. Due to a jointly developed system for access management DEFF was able in 2002 to give all Danish researchers and students access to the electronic periodicals and databases round the clock from all computers with Internet connection. The remote access was established by means of a system of proxy servers and uniform application of the LDAP protocol. A significant development of the license collaboration has also taken place, so that today four out of five loans are digital. Over 20% of DEFF's appropriation was spent on supporting the libraries' purchase of licenses during the project period.

Apart from this a number of digitisation projects have been completed, a few of which should be mentioned here:

- Weilbach Kunstner Leksikon (37,500 works of art)
- Illustreret Tidende (58,000 pages and 4,000 pictures)
- Archive for Danish Literature (150,000 pages)
- 8 Danish core periodicals (240,000 pages and 25,000 articles).

The last-mentioned project helped to identify flaws in the copyright act and to pave the way for the extended agreement license which was implemented in the act in 2009. DEFF negotiated for instance

the possibility for scanning of scientific articles (Copyright Act §16, subsection b).

DEFF has also taken over the Danish Research Database and further developed it as registration system and registrant of Danish research. The system was used particularly for research registration at the Technical University of Denmark (the Orbit system) and provided the inspiration for the PURE system. Moreover, the projects within the area of web archiving were later to form the basis for harvesting and preservation of the 'Danish' part of the Internet.

2003-2010 – New tasks and new services

In this phase DEFF has i.a. moved closer to the research process. Particularly with focus on research registration with PURE, institutional repositories, integrated search – including data repository. There is also focus on Open Access which is related to activities the purpose of which is to provide free access to research results.

The projects within this area are i.a.:

- Consolidation and further development of local authentication and implementation of CAS in more universities
- Pay-per-view administration system – used by 130 libraries in the Libraries Net Music
- Fedora 1 and 2 – joint development with i.a. Cornell University as well as collaboration with Atira

- Extension of PURE
- Test of institutional repositories
- Preservation of institutional repositories - Pindar
- Support for videnskab.dk
- MILE-SWIM-Learning Objects WEB
- Development of study and information literacy
- Edumedia – preliminary project on video archives in collaboration with Danish Radio, Research Net and UNI-C
- Many e-learning projects (e.g. DELA – application of web services in learning environment)
- UB test – test of information literacy
- www.stopplagiat.nu/ - initiative against plagiarism
- Open Access reports and projects.

Programme group: Architecture and Middleware



Chairman:
Arne Sørensen

The programme group considers its main task to be to establish collaboration about the infrastructure and consolidate solutions for the research libraries. The area's action plan, which was approved at the beginning of 2009, therefore has just one overall objective:

Establishment of actual common components and common operating solutions for the libraries.

Action plan, list of group members, minutes from meetings held in the programme group, project applications etc. can be seen on the programme group's wiki: <http://arkitektur.deff.wikispaces.net>.

Activities

In 2009 there have been six active projects. The three that have received grants for 2009 are:

DanBib as genuine union catalogue – implementation.

The basic idea of the project is to support a dynamic process where the records in the union catalogue at any time are updated to an ideal

quality level, and where the individual libraries can link their local versions of the record to the union record, so that common updating is automatically spread everywhere. Full implementation, however, seems not likely to succeed, but in a number of sub-areas good results have been achieved. DBC (Danish Library Center) can, for example, now offer record enhancements to the local libraries via DanBib's cluster concept. The project has moreover analysed the possibilities for the introduction of common tools for choice of materials and cataloguing. Such common tools will enable the research libraries to cooperate on purchase and cataloguing.

Danish Libraries in Worldcat – implementation

The project has had two objectives – both of which have succeeded. First of all – to improve the basis for re-use cataloguing via access to Worldcat, which is the world's largest catalogue of physical library material, and secondly to present Danish libraries' materials more systematically in Worldcat, thereby encouraging international loans from Danish libraries. The project is similar to DanBib as genuine union catalogue, but as opposed to this the Worldcat project does not actually change anything in the usual working processes in the libraries.

Support for the project has therefore been completely unambiguous, and the result is now full operation via services from DBC.

Common Electronic Resource Management System (ERMS)

The project is a consolidation project, which can mean both streamlining and service improvements. The project group, which is broadly constituted with representation from all the major research libraries, has at several workshops been analysing the DEFF libraries' existing e-resource administration, been looking at selected ERM systems and gathered experiences from abroad. The motivation for the introduction of ERMS is that e-resource purchases are heavy on the library budgets, but the tools for administration have not been able to keep up. There is a need for more knowledge-sharing between employees, uniform processes, continuity in the work and finally efficient exploitation of the means spent on e-resources. The project group submitted its report at the beginning of 2010 and recommends that a process be initiated for the purchase of a consortium ERMS.

The future

The programme group's action plan contains a number of activities that have not yet been formulated as actual projects. Among those are a common link resolver and common proxy, which have both been assessed at drafting level during 2009, but are in abeyance as the benefit of a common solution is considered to be minimal. We are then left with three projects supposed to be established in 2010:

User tracks and data mining

The idea is to pick up anonymized data on user behaviour in, and not least across, systems and across Danish libraries. Among possible applications we should mention studies of user behaviour, recommendation systems, ranking of results, optimization of the e-license portfolio and statistics.

Data repository – Danish sources

The project is to prepare the establishment of a data well of actual Danish material. The idea has been discussed at several meetings in the programme group, and has recently been coupled with the work with persistent identifiers (reliable names or references to net documents) in the Knowledge Exchange collaboration. In 2010 a project is expected to be established which explicitly incorporates the content of The Royal Library's and the State and University Library's archives as well as the research publication in the universities' PURE systems.

Common document delivery system

It is a question of extension and expansion of existing services of document deliveries, where the starting point as a rule is a paper edition, but the form of delivery is electronic. As an example one might mention the State and University Library's e-copy service, which in 2010 is expected to be extended to include all Danish periodicals.

Programme group: New Institutions



Chairwoman:
Mai Aggerbeck

The programme group deals on the one hand with consolidation of the educational libraries as regards the digital and operational area and on the other hand with an integrated collaboration between library and education. In 2009 the programme group was extended to include representatives from the gymnasiums, the VUCs and the SOSUs, thereby representing educational institutions that are not actual research institutions. The now rather large group and its interdisciplinary profile have meant that the group had to spend resources on describing new frames and conditions for its work. The result of this process is improved collaboration in the group and increased idea development within the action areas.

Status on activities in 2009

New Institutions (NI) have in 2009 launched the following activities within the programme area's actions lines:

Communication

Communication with our stakeholders must continually lead to further insight and to a collective prioritization of tasks to show the way forward for project development in NI.

Theme day about learning repositories for digital learning objects in cooperation with the project group behind the Knowledge and Information Community (KIC) project.

Presentation at the Library and Education Conference

- Presentation of project LibGuide at theme day for the Business Colleges
- Presentation at theme day arranged by the Library Association for Gymnasiums (B.A.G)
- Presentation to library directors at University Colleges
- Articles in Revy, Uddannelsesbibliotekaren, Gymnasieskolen, and VidenDanmark's newsletter and research article in New Library World
- Current information about the group's work in news mail from NI
- Development commenced of a knowledge-sharing wiki
- Development commenced of PIXI edition of the strategy and action plan.

Information supply

The action line is motivated politically on the basis of DEFF's vision and mission as well as in the political requirements levelled at educational programmes at all levels.

- New library system for gymnasiums, SOSUs and VUCs: a needs analysis
- E-book project: evaluation of experience with digitised Danish material at three university colleges

- Development of consumer informative label for electronic DEFF licenses.

Information Literacy

Information literacy as action line must support the implementation of information supply.

- Educational Competences for the new Millennium – a Partnership Project with the National Knowledge Centre for E-learning @ ventures, University College South Denmark and University College Metropol
- Development of Continuing and Further Education and Training for Gymnasium Librarians and Teachers
- Seminar on Information Literacy in collaboration with the network *VidenDanmark* (KnowledgeDenmark).

E-learning

The action line is based on the demand for innovative and experimenting forms of learning as well as competence development of instructors on all educational programmes.

- Next Generation: an inter-institutional maturing project
- LibGuide – phase 2 is instituted.

Knowledge management

The programme group finds that the prerequisites for a successful information supply are information literacy and knowledge management.

- KIC – Development of a Learning Repository phase 1 completed

- KIC – Development of a Learning Repository phase 2 is instituted
- Clarification Project concerning Collaboration between Knowledge Centres and University Colleges
- The Library Function's Participation in the Development of a mentor-supported continuing and further Education and training Programme – a Research Project.

Conclusion and outline of future perspectives 2009 has fulfilled our overall objectives as we have been working with the development of projects, which consolidate educational libraries in operational terms and integrate the collaboration between library and education. The projects are widely spread geographically and broadly anchored in the types of education we represent. In 2010 we are going to further propagate the knowledge of our projects and results and discuss new development possibilities with our stakeholders. The programme group has been assigned a journalist, and an action plan has been prepared for all the group's communication activities in 2010. Finally, a study tour is scheduled with the overall purpose of structuring present knowledge (including new inspiring international knowledge and research) and planning the final phase in the work concerning an evaluation.

Read more at the programme group's wiki:
<http://nyeinstitutioner.deff.wikispaces.net/>

Programme group: Information supply



Chairman:
Mogens Sandfær

The programme group for information supply deals with the content of the digital library – and consequently with the basis for the modern digital research libraries' mission:

- to procure and disseminate the information which researchers, instructors, students etc. need in order to do their job (i.e. make global information available locally)
- to administer and disseminate the information which researchers, instructors, students etc. produce in connection with their tasks (i.e. to collect, register, organise, preserve, publish and disseminate local information globally).

Thus the programme group has a broad level of cooperation with DEFF, Meeting the User and Architecture and Middleware as well as New Institutions. The programme group also participates in a wide international collaboration, primarily via Knowledge Exchange, which has more or less the same action lines as the programme area. Nordforsk and Nordbib have likewise been a co-operation platform, both in terms of electronic publishing and future eScience perspectives.

Action plan and budget

The area's action plan from May 2009 contains four action lines, each with a number of activities and objectives:

- Global information supply to researchers, instructors, students etc.
- Research publishing and Open Access
- Research data and Open Access
- Teaching resources and Open Access.

However, when the project budget for the period turned out to be considerably less than previously – and than expected – the initiatives were scaled down to a single project for each of the first three action lines, coupled with a number of studies and a very active participation in national and international activities and fora.

Activities

The first project to be set in motion had to do with global information supply. It is a question of developing statistical tools to support the libraries' license purchases. The project, which enjoys a very broad participation, is expected to introduce a new web-based tool at the end of the year, which i.a. takes into consideration the researchers' publishing and citation pattern when assessing the value of the licenses for the universities etc. This helps to ensure that the libraries' limited resources are optimised fully.

The next project was launched within the area of

research data – an area which is extremely active in the rest of Europe. This is a pilot and mediation project about the libraries' role in connection with research data, i.a. primary data, the experimental and statistical data which are the basis for the research results and the publications. Two problem clarifying pilot projects are being carried out in two universities, while a third university concentrates on evaluation and dissemination of the project's activities and experiences to the other stakeholders in the DEFF landscape.

In connection with this the programme group is involved in Nordforsk's planning within the eScience area in expectation of a possible, and useful, synergy effect between DEFF's initiatives within the data field and some major potential Nordic initiatives.

Open Access has been a very large inter-disciplinary action line without any actual projects. The year before the programme group launched Danish Open Access Network, which includes experts and interested parties from libraries at all universities as well as 'new' institutions. This network has been broadened and consolidated quite significantly over the past year.

The programme group has participated actively in the work concerning the follow-up on the EU Council of Ministers' conclusions about scientific information in the digital age by participating in the

appointed national Open Access Committee. Primo 2010 a report was prepared with recommendations for implementation of Open Access in Denmark. The recommendations are then submitted for hearing and a decision is made as to whether the committee will continue over the following years with the task of monitoring and stimulating the implementation.

Perspectives

The programme group has been heavily involved in consultancy investigations and scenario events with a view to a clarification of DEFF's future. As regards this programme group it goes without saying that the following subjects will continue to be a central part of DEFF's field of work:

- global information supply to researchers, instructors students etc.
- research publication and Open Access
- research data and Open Access
- educational resources and Open Access.

Read more on the programme group's wiki:
<http://informationsforsyning.deff.wikispaces.net/>

Programme group: Meeting the User



Chairwoman of the programme group in 2009:

Tina Pipa

Acting chairwoman: Karen Harbo

The programme group Meeting the User focuses on

- user access to and use of information
- the libraries' communication with users, including teaching, mediation, marketing of information, services and products.

The programme group initiates activities and projects that increase the users' perception of relevance and immediacy in the meeting with the digital and physical library in order to create a heightened exploitation of the libraries' services, products and activities, including learning and research.

It is the opinion of the programme group that the libraries must have a ready supply of methods for identifying the users' behaviour and needs, as well as strategically to concentrate on the users in the

process of library development. The programme group finds that here lies an unexplored potential in increased understanding and inclusion of the web 2.0 phenomenon in order to strengthen the meeting between library and user.

In the action plan for 2009-2010 the programme group therefore focuses on four action lines:

- Potential for DEFF in exploitation and usage of web 2.0
- Knowledge of and methods for identification of user behaviour and needs
- Development of relevant web 2.0 products to be implemented and evaluated
- Strengthened knowledge sharing, including aiming at an extended staff-driven development culture in the DEFF libraries.

Activities

In 2009 the programme group has been working on the planning of two major project activities which aim to attract broad participation from all types of DEFF libraries.

The project Brugerkaravanen (User Caravan), which takes place in Aarhus, Copenhagen, Odense and Aalborg, belongs under action lines 2 and 4. The project finishes with a National User Theme Day in Aarhus. Both taking place in the spring of 2010. This activity focuses on knowledge about

and methods for identification of user behaviour as well as increased knowledge sharing and extended staff-driven development culture.

Action lines 1 and 3 include an expert workshop for problem focusing, held in autumn 2009. Here the programme group had invited experts from all over the country to a workshop on the use of web 2.0 and social technologies in Danish academic and research libraries. The programme group had prior to this event studied the DEFF libraries' development strategies to examine what kind of role the users play in these. A role, which at the workshop would be confronted with the specialists' perception of students and researchers in Danish educational institutions – and their wishes as to web 2.0-based library service.

The workshop was facilitated by a process consultant and resulted in a number of framework proposals, which the programme group subsequently has been engaged in transforming into concrete projects. In 2010 approval will be sought for these projects from the DEFF steering committee and project partners will be looked for among the DEFF libraries. The projects will focus on the potential in the exploitation and usage of web 2.0 for DEFF as well as development of applicable web 2.0 products to be implemented and evaluated.

In the case of both Expert workshop and the project User Caravan the programme group has sought inspiration 'outside the box' - with parties outside traditional library context – for the planning and execution. This being done in order to fulfil the programme group's objective about supporting user logic instead of library logic.

Perspectives

The programme group, in collaboration with colleagues in the DEFF libraries, will in 2010 continue the work with the realisation of the above project activity as well as keep the focus on mediation and implementation of the results of the projects, whether it be in the form of experiences, knowledge or products. It is the wish of the programme group that the project activities that have been launched should leave their marks in the DEFF libraries. Sustainability is very important to the programme group, and the group is going to work and advocate for this subject to continue to be discussed in and between the programme groups as well as in the broader spectrum of DEFF.

Read more at the programme group's wiki
<http://mmb.deff.wikispaces.net/>

License group for Educational Libraries (LUB)



Chairwoman:
Karin Lodberg

Four subjects have been in focus at the license group's meetings in 2009:

- Incorporation of the new institutions in DEFF and LUB
- Service declaration for DEFF
- Marketing of electronic resources
- Ensuring contact to the LUB members' institutions.

In 2009 the license group has held three meetings. The meeting in September was arranged in continuation of the DEFF Online Day so that members could attend this day as well.

New institutions in LUB

From 1. January 2009 the gymnasiums, SOSUs and VUCs were included in DEFF and the license group. The new institutions are in many cases characterized by low number of/no hours of professional service so that contact has to be made through principal or an instructor, who are rarely familiar with license terminology, copyright, statistics etc., which hampers communication and

endeavours to facilitate equal opportunities for all.

More than 75 gymnasiums, SOSUs and VUCs have registered for the license package, which contains two Danish licenses as well as a number of foreign licenses. The licenses are reached via IP-addresses, password or with 'Skoda' as platform.

Service declaration and action plan

The DEFF secretariat's first service declaration has – together with the action plan for 2009-11 – taken up quite a lot of space and time at LUB's meetings in 2009. The action plan is now available on the homepage, and the first version of the service declaration has been approved.

Lubwiki – www.lubwiki.wikispaces.com

The idea catalogue went on the air on 1. November 2009 with the first 15 contributions, and several more have been added since. Visiting numbers are reasonable, but success depends on current innovation and updating of ideas.

An article on the Wiki has appeared in *Uddannelsesbibliotekaren*.

Contact to our support base

LUB's mailing list is used for all information about activities within the license area, including the many renewals that took place during the autumn 2009. In 2010 we will be discussing how to solve

the problems about the necessary contact to our 'hinterland' so that this can happen in the most efficient way.

The following information about LUB is available on DEFF's homepage: Mandate, agenda for next meeting, minutes of all meetings, service declaration and action plan.

Contortia day/theme day

Planning started in 2009 for DEFF's consortia day/theme day, but the arrangement itself was postponed until spring 2010 due to a very crowded events calendar in the autumn 2009. A combined LUB/LUF group worked during the second half of 2009 on the practicalities as well as the content in connection with the theme day, which took place on 17. March 2010 in Odense. Programme for the day, as well as powerpoints from the presentations, can be seen on DEFF's homepage.

Project Consumer Declaration of licensed resources

LUB has been discussing and supporting this project initiated by the programme group New Institutions. The project has to prepare a model for professional assessment of licenses with a view to creating a better professional decision-making basis for those libraries that are to sign, renew or cancel licenses. The intention is that the professional description will be a supplement to the de-

scriptions already available on DEFF's homepage.

Representation in other fora

The license group participates as observer in the programme group Information Supply, participates in the working group on consumer declarations and in the project concerning e-books.

Statistics

There is considerable uncertainty about the statistical extracts from the various databases and periodical packages, and LUB considers it extremely important that the statistics on DEFF licenses should be prepared centrally so that they can be extracted by the individual institution from DEFF's homepage. This would also mean safer and more valid figures for the library statistics.

E-books

LUB follows the development within this area and has i.a. discussed the libraries' dilemma concerning the lack of possibilities for interlibrary loans of e.g. foreign e-books. The DEFF license secretariat will incorporate this in the negotiations with the suppliers.

As can be seen, LUB's discussions cover a broader spectrum than just dealing with license proposals. This is, however, also a central point at LUB meetings, and the result of these negotiations can be seen in the minutes available on DEFF's homepage.

License Group for Universities and Research Institutions (LUF)



Chairwoman:
Anna Mette Morthorst

The year 2009 has been very busy and marked by renewals, including multi-annual agreements like Taylor & Francis, Oxford University Journals and Wiley-Blackwell license agreements. Focus has also been directed at the optimization of administrative processes and collaboration in the consortium.

A number of courses and theme days were arranged during 2009.

A theme day on e-books with focus on e-book platforms where three major e-book suppliers were invited to present their suggestions for the purchase of single titles.

A contract and copyright course with American lawyer Lesley E. Harris. It was an intensive and interesting 2-day course with introductions to the various clauses and requirements one has to pay attention to when negotiating licenses. Anders K. Rasch from Copydan gave a talk on copyright and licenses as seen in a Danish context. Apart from

participants from Denmark the course was attended by several license staff members from the other Nordic countries.

DEFF Online, where various suppliers were invited to present new products and licenses. It was the first time for this type of arrangement, but it was a success and is expected to be repeated in 2010. Nine publishers were invited, and 70 people attended.

In 2009 the license group held five meetings and has been working with a number of different themes:

Service declaration: A service declaration for the DEFF license secretariat has been prepared. The objective of the declaration is to ensure that expectations are attuned and a clearly defined agreement is reached for the collaboration between the participants in the consortium and the DEFF license secretariat. The service declaration determines the level of service. The DEFF license secretariat has visited the universities in order to get an overview and an understanding of work processes. The service declaration's annual schedule shows how e.g. renewals, invoicing and statistics take place. The overall benefit is greater transparency of the many elements that form part of the license collaboration.

Price models and distribution models: A working group has produced a memo with calculations of the consequences of distribution models for the Danish consortium with various parameters like size, usage, budget, population (FTE, VIP, STÅ (= full-time student for one year)) and average prices for titles. As before the main purpose has been to find an up-to-date and transparent model instead of price models based on old print subscriptions. No final conclusions have been drawn, but the memo expands on previous model calculations and forms a solid foundation for the future work.

Flexible licenses: A paper has been prepared on flexible licenses. This type of license can be agreements signed across institutions, faculties, agencies etc. or subject specific licenses that cover individual libraries as part of a larger organisation. The memo shows a need for clarification of the handling of this type of license.

Sustainability: The license group has discussed long-term sustainability of licenses. At the moment there is no guarantee of future access to licensed resources – primarily periodicals. Work needs to be done on models for this kind of guarantee in relation to archival solutions, and there must be an assurance in contracts in connection with post-cancellation. DEFF and members of the group have participated in a Knowledge Exchange workshop in Edinburgh on this subject. Offers have been ob-

tained on Portico which is one example of an archival solution.

The license group is represented in the programme group Information Supply and has moreover participated in projects from the programme group Architecture and Middleware, i.a. in a project that has been looking into possible systems for license administration (ERMS).

Future perspectives

Together with LUB the license group has prepared a new action plan covering the period 2009-2011. The overall objectives are i.a. to enter into agreements on a common ERMS which can ease the administrative burden for the DEFF license secretariat and the consortium's libraries and to get licenses where Open Access is taken into consideration in terms of the financing. Furthermore, we should mention the wish to make sure that the consortium gains access to more e-books via a coordinated effort which will create greater visibility for this type of licenses.

Knowledge Exchange

Knowledge Exchange

Knowledge Exchange (KE) is the international partnership in which DEFF has been active since 2005. The KE initiative's partners apart from DEFF are: Joint Information Systems Committee (JISC) in Great Britain, Deutsche Forschungsgemeinschaft (DFG) in Germany and the university organisation SURFfoundation in Holland. The four organisations are very different as regards organisational structure, tasks and mission. But common to them all is their role and visions when it comes to the establishment and development of a cohesive information and communication technology (ICT) and information infrastructure for researchers and students. Since the very beginning DEFF has been housing the joint office with the KE secretariat.

Strategy Forum

DEFF was host at the fourth Strategy Forum, which was held on 29.-30. April in Fredensborg. Participating in the meeting were management representatives from the four partner organisations and external guests from the four countries. The meeting featured presentations on initiatives at EU level, i.a. by Norbert Lossau, Göttingen University Library, who spoke about OpenAIRE and encouraged KE to contribute actively to the project. Work efforts over the past year were discussed, and the strategic outlines were determined for the coming year with focus on the work with Open Access as well as primary research data. There were positive responses from all the partners to

past year's activities and at the same time everybody expressed their expectations about a continuous collaboration beyond the present three-year KE period. Likewise there was general agreement on continuing with the same vision as in the previous period and also to continue to strengthen the dialogue with EU.

Open Access

Towards the end of 2008 the four partnership countries initiated cost-benefit analyses of alternative publishing models, prepared by John Houghton, Victoria University in Australia. The reports from Great Britain, Holland and Denmark were published during the first half of 2009, while the German report is expected to be ready during the first half of 2010. The three reports all demonstrated that there are considerable advantages in moving to Open Access. In this connection KE arranged a well-attended workshop in Brussels with participants from the EU Commission and other stakeholders, where the results were presented and discussed. As a follow-up on the results in the reports KE organised a workshop at the Berlin7 Conference in Paris on 3. December 2009 with the title Practical challenges in moving to Open Access.

In connection with Open Access Week (week 43) KE published a brochure about the reports which have analysed the economic conditions in connection with alternative publishing models. The brochure includes John Houghton's cost-benefit

analyses in Holland, England and Denmark, the RIN-report in Great Britain and other analyses prepared over the past few years. The brochure was sent to stakeholders in the four partnership countries.

The Open Access Group is working on business models for Open Access, and KE has instituted a consultancy report about the possibilities for application of the so-called 'submission charges'.

Primary Research Data

The working group held a workshop in Berlin on 23.-24. September 2009 entitled Main drivers on Successful Re-Use of Research Data, attracting more than 70 researchers with specialist knowledge from the four partnership countries. The workshop focused on advantages, disadvantages and problems in relation to re-use of research data as seen from the researcher's point of view. Papers, dealing with a number of disciplines, were presented by researchers as well as two main discussion papers and selected presentations from institutions engaged in work with infrastructure, publishers and national as well as international research foundations. It was clearly demonstrated at the workshop that certain challenges and problems are comparable across subject areas and organisations, not only in purely technical terms, but also as regards the readiness to share data.

Persistent Identifiers

During the second half of 2009 KE instigated three studies, which are to examine whether a urn:nbn-based system will be able to offer a viable architecture for translation of Persistent Identifiers to electronic material. These studies are associated with a broader project with DEFF, SURF, Data Archiving and Networked Services (DANS), the national libraries in Germany, Finland and Sweden and CNR and FDR from Italy. The project will analyse the present national urn:nbn initiatives, prepare guidelines for an international harmonized persistent identifier, structure and suggest a roadmap to obtain possible advantages. Studies and projects are expected to be completed in 2010.

Working groups

The following working groups were established in 2009:

- Open Access
- Primary Research Data
- Interoperability of Digital Repositories
- Virtual Research Environments
- Licensing
- Libraries in the Digital Age.

Knowledge Exchange Office

As per 1. February 2009 Knowledge Exchange Office (KEO) was extended with a part-time coordinator. The coordinator is physically placed with the SURFfoundation in Utrecht, Holland.

Financial statement

Financial statement 2009	DKK.
National Budget Appropriation	20,500,000
Carried forward 2008	-
Reverse transfer 2009	1,082,685
Total funding	21,582,685
Costs programme areas	
Architecture and Middleware	1,702,000
Information Supply	1,092,000
Meeting the User	972,000
New Institutions (incl. licences for the UVM-area of 800,000)	2,591,500
Contracts	1,336,000
Data well	1,000,000
Outside programme areas	4,018,185
Total costs programme areas	12,711,685
Operational costs	
Knowledge Exchange	400,000
Other expenses (conferences, travel, publications etc.)	971,000
Overhead to BM	2,000,000
Secretariat	5,500,000
Total operational costs	8,871,000
Total costs	21,582,685
To be carried forward to 2010	0

In 2009 the total National Budget Appropriation amounted to DKK 20.5 mil, of which about half was a subvention grant. The license activity is placed on a separate account and is expenditure neutral. In 2009 there was a further gain of about DKK 1 mil. which were reverse transfers from projects that had not used all their allocated means. The total hereafter amounted to about DKK 21.5 mil.

The subvention grant is placed under § 21.31.05. These means have all been allocated to projects. The grants are distributed by the steering committee on the basis of applications primarily from the programme groups.

Under ‘contracts’ expenses in connection with operational contracts are included, which DEFF has entered into on behalf of the libraries. This applies to i.a. the running of The Danish National Research Database and a login-service. Under ‘Outside programme areas’ are included i.a. expenses in connection with the Lime Guild report The Future of Research and the Research Library, expenses in connection with the work on strategy as well as a technical reserve of about DKK 1.5. mil for DEFF work in 2010.

License turnover pr year in DKK mil.

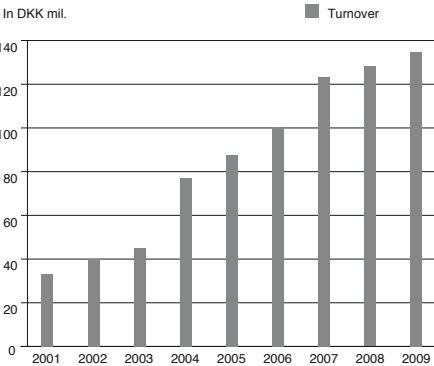


Figure 1: The figure shows the research libraries' increasing purchase of electronic resources via DEFF 2001-2009.

Development of number of licenses and institutions

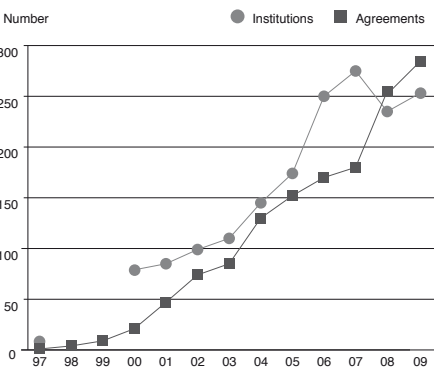


Figure 2: The figure illustrates an increase in number of institutions and agreements over the past year. The drop shown in the graph of institutions 2007-2008 is due to the mergers within the university and university college area.

Organisation

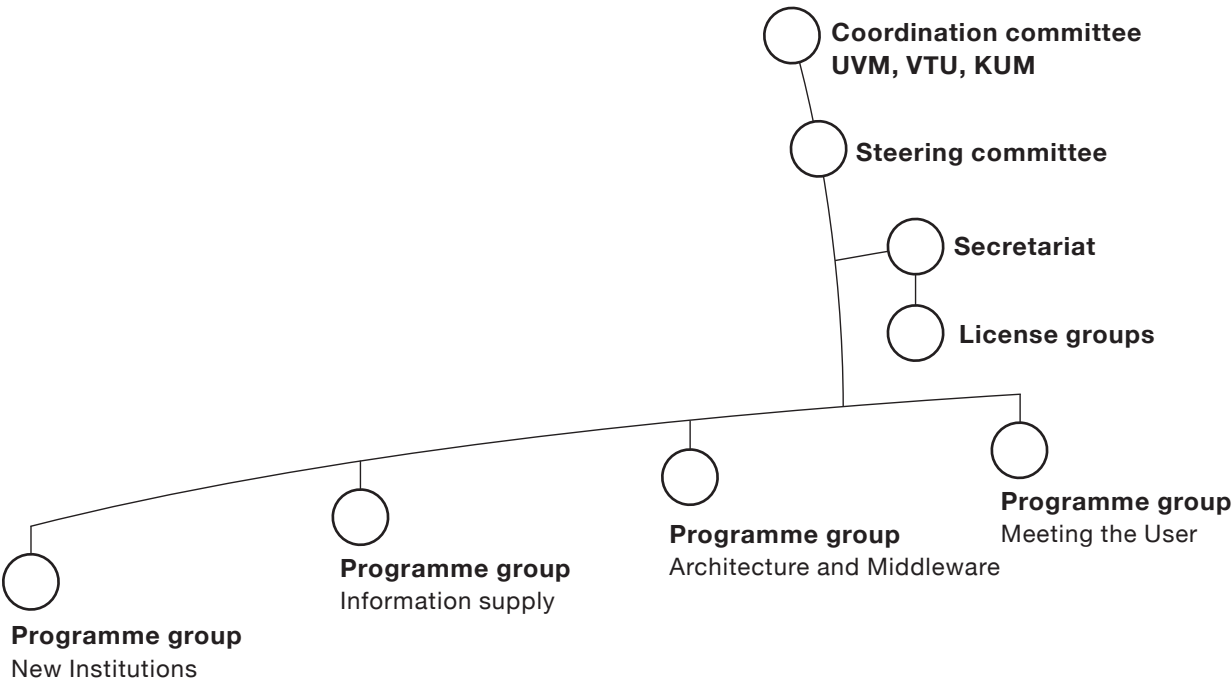
DEFF coordination committee

- Steen Kyed, Deputy Permanent Secretary, Ministry of Culture (KUM) (**chairman**)
- Katrine Tarp, Head of Division, Ministry of Culture (KUM)
- Hans Müller Pedersen, Deputy Director General, Danish Agency for Science, Technology and Innovation (VTU)
- Peter Uffe Meier, Specialist Consultant, Danish Agency for Science, Technology and Innovation (VTU)
- Lars Mortensen, Director General, Ministry of Education (UVM), (withdrawn autum 2009)
- Mads Mikkelsen, Head of Section, Ministry of Education (UVM)

DEFF responsible



Deputy Director Bo Öhrström,
Danish Agency for Libraries and Media



DEFF steering committee

- Mai Buch, Managing Director, Competencehouse (**chairwoman**) (1)
- Annette Winkel Schwarz, Development Director, DTU ViTiS, Technical University of Denmark (2)
- Peter Rubeck, Library Director, University College North Jutland (3)
- Svend Larsen, Director General, The State and University Library (4)
- Birte Christensen-Dalsgaard, Deputy Director, The Royal Library (5)
- Lis Randa, Vice-Chancellor, Danish Academy of Business and Technology (6)
- Knud Holch Andersen, Lecturer, Thisted Gymnasium (7)
- Carsten Riis, Dean, Aarhus University, Faculty of Theology (8)
- Niels-Henrik Gylstorff, Head Librarian, Aalborg University Library (9)
- Jens Thorhauge, Director General, Danish Agency for Libraries and Media (10)



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Programme groups

Achitecture and Middleware

Arne Sørensen, The State and University Library (**chairman**)
Christian Tønsberg, Techical Information Center of Denmark
Ole Michaelsen, Technical Library of Copenhagen
Kasper Løvschall, Aalborg University Library
Ingelise Stæhr, University Library of Southern Denmark
Peder Lærke Nielsen, CBS Library
Claus Vesterager Pedersen, Roskilde University Library
Christian Vandel, The Royal Library
Bo Öhrström, Danish Agency for Libraries and Media
Jakob Heide Petersen, Danish Agency for Libraries and Media

Information Supply

Mogens Sandfær, Technical Information Center of Denmark (**chairman**)
Niels Jørgen Blaabjerg, Aalborg University Library
Anna Mette Morthorst, ASB Library, Aarhus University
Claus Vesterager Pedersen, Roskilde University Library
Ingelise Stæhr, University Library of Southern Denmark
Lars Nondal, CBS Library
Alfred Heller, Technical Information Center of Denmark
Karin Lodberg, VIA University College
Ellen V. Knudsen, The State and University Library
Mikael Elbæk, Technical Information Center of Denmark
Jørgen Madsen, The Royal Library (withdrawn medio 2009)
Lise Mikkelsen, DEFF secretariat
Jakob Nedergaard Mortensen, DEFF secretariat

Meeting the User

Tina Pipa, Copenhagen University Library – Faculty Library for Social Science, The Royal Library, Copenhagen University Library (**chairwoman**)
Thomas Vibjerg Hansen, Aalborg University Library
Karen Harbo, ASB Library, Aarhus University
Kurt Mathiesen, CBS Library
Gitte Andersen, Technical Information Center of Denmark
Birgit Brink Lund, Tietgen Business School
Gitte Petersen, The Royal Library
Tonny Skovgård Jensen, The State and University Library
Anne Sandfær, DEFF secretariat

New Institutions

Mai Aggerbeck, VIA University College Holstebro (**chairwoman**)
Gitte Gjøde, Engineering College of Aarhus
Thomas Kjær, University College North Jutland
Lars Kofod-Jensen, Frederiksberg College of Education, University College Metropol
Lis Faurholt, University College South
Bente Thorup Andersen, University College North Jutland
Niels Hasselgaard Jensenius, The Administrative Library
Niels Jørgen Blaabjerg, Aalborg University Library
Else Marie Andersen, Thisted Gymnasium & HF
Susanne Hillersborg, Social and Health Care College in Randers
Susanne Nielsen, Educational Centre Holstebro
Annette Grube Lorentzen, IBC Kolding
Ole Wøide, VUC Northern Jutland
Dorte Birkegaard Thuesen, DEFF Licence secretariat
Jakob Nedergaard Mortensen, DEFF secretariat

License groups

License Group for Educational Libraries (LUB)

Karin Lodberg, VIA University College (**chairwoman**)
Lisbeth Andersen, Hasseris Gymnasium
Merethe Bloch Stein, Espergærde Gymnasium & HF
Helle Behrens Eriksen, Køge Business College
Birgitta Vikstrøm, University College Metropol
Peter Hald, Technical Library of Copenhagen
Benedicte Kirkegaard (obs.) Gentofte Libraries
Kristine Hinrichsen, University College North Jutland
Connie Kjærgaard, Business College South Denmark, Library Odense
Birgitte Sass (sub.) University College Sealand
Lone Hansen (sub.), University College North Jutland
Annette Grube Lorentzen (sub.), IBC Kolding
Helena Ekelund (sub.), Business Academy Copenhagen North
Susanne Nielsen (sub.), Educational Centre Holstebro
Kirsten Due, DEFF License secretariat
Dorte Thuesen, DEFF License secretariat

License Group for Universities and Research Institutions (LUF)

Anna Mette Morthorst, ASB Library, Aarhus University (**chairwoman**)
Anette Schneider, Technical Information Center of Denmark
Barbara Melchior, KUBIS
Birgit Brejnebøl, CBS Library
Jette Fugl, Copenhagen University, Life
Lene Stampe Mortensen, Roskilde University Library
Lone Madsen, University Library of Southern Denmark
Lone R. Katberg, Aalborg University Library
Marianne Vadgaard Christensen, The State and University Library
Susanne Preusse, Technical Information Center of Denmark
Anne Marie L. Danielsen, VIA University College Campus Horsens, Library
Ilse Schødt, Danish Regions
Karsten Roos, The Royal Danish Academy of Fine Arts, School of Architecture Library
Kirsten Bisgaard, Royal Danish Defence Academy, Management Center
Sofie Wodschow, The Administrative Library
Hanne Christensen (sub.), Danish Regions
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