DBC

- PATHS TO KNOWLEDGE

DBC Annual Report 2012

DBC 2013

Content

Front page illustration: DBC's wall at DB's Annual Meeting in Bella Center. The illustration shows the many digital resources in the libraries' extensive ecosystem which bring knowledge and experiences to the delight of all citizens.

Illustrator: Jørgen Stamp

Introduction

In 2012, DBC focused on the migration of the business systems, namely Danbib and bibliotek.dk, to a service-oriented architecture. All the developed source codes have been shared in Open Source Communities. Both the migration and the sharing reflect DBC's strategy of openness, *Open Library Strategy* (OLS). At the same time, it has helped meet the framework conditions for IT development for public sector customers. This means that DBC's services can be re-used in other open systems, for example *Danskernes Digitale Bibliotek* (*The Danish Digital Library)* (DDB) and the *New Joint Library System* for public and school libraries (NFBS).

In March 2012, KL (Local Government Denmark), The Ministry of Culture and The Danish Agency for Culture published a report outlining the content, organisation and financial aspects of DDB. During the autumn, the report was supplemented with a mapping out of which elements were in place beforehand and the legal conditions on which they could be used. In continuation of this, the Legal Adviser to the Danish Government deemed DBC to be an extended in-house supplier to public institutions, meaning that DBC's services can be re-used without having to go through a tendering process.

At the start of 2013, the IT/project organisation, Kombit, declared that they wished to base NFBS on DBC's IT infrastructure.

With these two decisions, DBC's position as a central, public sector infrastructure supplier has been further cemented. This is, not least, a result of the open strategies in OLS. In the years to come, DBC will focus on delivering the IT infrastructure to DDB and NFBS and ensuring that it is reliable.

Danbib: "The mother of everyting" and a pre-requisite for NFBS and DDB

Danbib is the cornerstone in the collaborative Danish library network's bibliographical and IT infrastructure. Danbib organises cataloguing and lending cooperation between the libraries and forms the basis of bibliotek.dk in which Danish citizens can carry out searches for and order publications held in all Danish public and major academic libraries.

Over the past four years, DBC has been working resolutely on migrating Danbib and bibliotek.dk to a service-oriented architecture. In the previous system solutions – which to a great extent can be characterised as monolithic – the entire development efforts which lay behind the systems could only be utilised in relation to the specific system that was in mind when the development work was underway. In the service-oriented architecture, a long list of services are being developed which can be used just like Lego bricks to construct a Danbib or bibliotek.dk solution. However, the 'bricks' can also be re-used for a number of other purposes. In other words, you get far more out of your development efforts in a service-oriented architecture. This is further underpinned by the fact that it is developed in Open Source, which is made available in the TING Community among others.

So far, the services required for migrating bibliotek.dk have been developed – including The National Data Well. A beta version of the new bibliotek.dk is now in operation. The migration of Danbib will follow later.

The parties behind the *Danish Digital Library* (DDB) and behind the national procurement process (NFBS) have acknowledged DBC's endeavours with the service-oriented architecture: A decision has been made in principle to base DDB's infrastructure on The National Data Well and other Danbib services. Similarly, with regard to NFBS, the tender material states that the solution to be chosen must be based on The National Data Well and have interfaces that allow for interplay with other Danbib services.

Thus, the Danish library network will benefit from the generic characteristics associated with developing a system in a service-oriented architecture. It is DBC's hope that these advantages will be borne in mind when it comes to presenting the wider cultural heritage.

Bibliographical development

The new metadata paradigm and the National Data Well

The libraries are focusing on online mediation via downloading and streaming services. The transition to digital servicing of users is expected to result in services with content volumes that are too ample for the traditional library cataloguing processes. DBC has established a data well to meet the new challenges presented by the libraries' collective dissemination of physical and digital works. In The Data Well, many different types of metadata will be collected, structured, and linked. This will enrich and supplement the traditional cataloguing. Until now, The Data Well has only supported dissemination at a local level. With the migration of bibliotek.dk to well technology, the forthcoming Danbib migration and the desire to use The Data Well for new national solutions, the nature of The Data Well will change to a national data well. However, this will require that the task of collecting, processing and maintaining the many different types of metadata in The Data Well is anchored at national level.

In 2012, under the heading 'The New Metadata Paradigm', DBC worked on viewing the product Library Cataloguing in a new way. Besides DBC's own registrations, it also encompasses the collection of metadata from digital sources relevant to libraries, such as music, film, e-books and so on. By expanding Library Cataloguing with this future-oriented collection of metadata the libraries are assured the basis for the dissemination activities of tomorrow through solidary financing. DBC is working on ensuring that the development of Library Cataloguing is kept within the product's present economic limits.

Authority data

Further work has been done on developing a new model for authority data. In the new model, the data are separated from the bibliographical records and replaced by references between actual authority records and the bibliographical records. In the first phase, the focus is on personal names with a view to enabling Denmark to participate in the VIAF (Virtual International Authority File) collaboration which we aim to do from spring 2013. At the first stage, the new authority data model will only be introduced into DBC's internal production apparatus. Eventual implementation in Danbib and Data deliverables will be coordinated with the libraries and the system suppliers. Subsequent work with further types of authority data will be coordinated with the national strategy for authority data which the Danish Bibliographic Council is expected to draw up in 2013.

Linked Open Data

In 2012, a small part of the National Bibliography was published as Linked Open Data (LOD). The objective of the project has been to glean experiences with LOD. The importance of this is underlined by the fact that BIBFRAME is based on it. BIBFRAME is a new format initiated by the Library of Congress aimed to replace the MARC format. New Linked Data projects will be implemented in 2013.

RDA

In 2012, a working group under the auspices of the Bibliographic Council has worked on providing a basis for the decision on the Danish transition to RDA (Resource Description and Access). RDA is a new set of cataloguing rules which have been drawn up by the Library of Congress, the British Library, Libraries and Archives Canada and National Library of Australia. This work will continue in 2013.

The proofreading of pure national bibliographical registrations was discontinued in mid-2012 by agreement with the Danish Agency for Culture. This is the result of a saving on payments for producing the National Bibliography.

A number of suggested improvements for registration practice for films have been implemented. As with the other changes in practice, focus has been on the end-user's need for more search and limitation options. At the same time, it gives the libraries better tools for their work on dissemination.

IT development

Development in a service-oriented architecture and Open Source

In 2012, DBC's IT development focused on the migration of bibliotek.dk to a new platform. This resulted in a so-called 'beta' version, which means that bibliotek.dk has now been realised in a service-oriented architecture (SOA) and has been made available through web services. The migration underpins DDB, in which the service-oriented architecture is a cornerstone.

Bibliotek.dk's user interface has been created in Drupal, which is the Open Source project on which TING Community also is based. DBC uses viable Open Source projects in its development of The Data Well, search systems and interfaces. At the same time, Open Source tools, platforms and other important components are used.
The primary locations on which Open Source is published are oss.dbc.dk, TING.dk and, as to specific areas, on those Communities which the Danbib software is part of.
The strategic focus on SOA and Open Source means that the library community and IT suppliers are able to create targeted solutions using the common infrastructure that will consequently be established through the Bibliotek.dk, Danbib and the TING collaboration.

National development – Local reuse

The common framework architecture makes it possible for a number of library products to use the same infrastructure. Therefore, it is not just Danbib, Bibliotek.dk, Palles Gavebod and the sector solution for university colleges etc. that can draw on this infrastructure. A number of library initiatives, for example, in the field of dissemination and content, can also make use of it. In 2012, under the umbrella of T*he Service-oriented Danbib* concept, steps were also taken to ensure that the common infrastructure can

be reused by the libraries for handling local processes, so that system suppliers can incorporate the national components.

The Data Well – A focal point

The early development of The Data Well-based solutions focused on the local libraries' need to grant access to their respective catalogues, electronic resources and digital solutions in a single coherent system. The TING libraries wished to establish their own dissemination platforms on top of The Data Well. In 2012, The Data Well was also scaled to a national level. This means that the interplay between the national and local objectives will now be even greater. In 2012, The Data Well comprised approximately 14 million common metadata records and a number of content products, library-produced content and, not least, more than 50 million relations. This means that both professionals and the ordinary citizen will be able to navigate within and be inspired by the ever-increasing volume of information and materials the libraries wish to disseminate.

The TING collaboration and the Danish SOLR network

DBC uses Open Source strategically, but it is crucial that the use of it is also made available for the purposes of re-use and innovation. For this reason, DBC publishes the developed software etc. in TING Community. Likewise, DBC contributes to other Open Source communities. DBC devotes resources and energy to TING through its participation in teams, projects and the Council. In 2012, DBC also took the initiative in a Danish SOLR network so that the search engine DBC uses is a tool to be used in collaboration with other industries.

Development of competencies and development collaboration – Agile and ambitious

During 2012, DBC's development organisation cooperated with a number of external suppliers and in external library projects. We are still aiming to make the company an attractive partner, partly through the methods we use with regard to development, partly via the mindset which characterises it and partly via the competencies which DBC's employees already have and are developing on an ongoing basis. The development model is agile and is based on SCRUM. The mindset is characterised by the desire to be an active partner in development communities, sharing and innovation. The competencies encompass computer scientists, engineers and information specialists. In order to meet future requirements, DBC has instituted a competence development and partnership initiative on Machine Learning and Data Mining. These include competencies that are absolutely necessary if the library network is to maintain and expand its role in a market characterized by major suppliers who focus on Big Data and intelligent systems.

Mega trends as signposts

DBC's IT development takes it bearings from a number of international trends. This ensures a high degree of future-proofing of the results and the infrastructure that are developed. Cloud solutions, mobility and Big Data are just some of the trends which, to a great extent, created a frame of reference for the web services and the infrastructure that was developed in 2012. The solutions of the future must be developed now.

Migration of bibliotek.dk – Preparatory work for the Danbib migration

In 2012, the first version of a bibliotek.dk based on well technology was published. The work with this migration is just as much a preliminary work for the subsequent migration of Danbib.

The largest task in the context of Danbib in 2012 has been the establishment of Version 3.0 of DBC's well, with a new data model and the indexes that bibliotek.dk (and, later on, Danbib) will require and the migration of a large number of operations from the interface to services (order services, OpenAgency).

Open Resource Sharing – the Ordering process

Open Resource Sharing entails those services and components that are included in DBC's ILL ordering system. In 2012, the main area of focus has been to render the system capable of "duplication". This means the handling, in a single system, of orders from the old systems and from the well in bibliotek.dk. In addition, DBC has produced the ordering infrastructure for Scientific Articles copy delivery project (E-kopi3) for the State and University Library, using the expansion of OpenAgency, OpenBorrowerCheck and the OpenOrder web services. This is a good example of the service-oriented ordering system.

In connection with the Well project, DBC has been working on making the OpenOrder web service as ''user-friendly'' as possible for third party users. The aim is for the system to make relatively few demands on the query component that is delivered with the service without it affecting the quality of the order that results from the process. The work will continue in 2013 as more and new external service users will register for the service.

OpenSearch

OpenSearch is a central project in the Open Library Strategy. This encompasses everything from search engines to data content/The Data Well and requires, for example, better and broader data content in Danbib. During 2012, the project was predominantly occupied with the migration of bibliotek.dk to the well with the focus on the following activities:

- Continued implementation of the new data model
- Improvements in the well system in areas such as the management of relationships and indexing in relation to the present well system.
- Delivery of display formats through OpenSearch.
- The migration of the actual data basis for the bibliotek.dk base to the well.

Open Universal Search

A platform has been developed which supports parallel searching in external systems. It is a migration of the existing exclusive Z39.50-based search platform which currently forms part of Netpunkt.dk. The new platform still supports parallel searching in Z39.50 and/or SRU/SRW-based systems but, in addition, it supports searching in selected major important international systems, such as Primo Central, DADS, EBSCO and in other digital resources, for example, Spotify and websites more generally.

Danbib, Netpunkt and Z-punkt: The present platform

Even though the main focus is on the migration, there are a couple of smaller new features in Danbib:

- It is possible to save searches from one session to another.
- There is now a link to Norwegian and Swedish library directories.
- It is possible to deliver records relating to class sets to specific readerships.
- You can search for, and be shown, level codes (and older records have been automatically allocated these).
- There are now links to back page texts (where these are available) as a supplement to the link to the front page.

Data content

Relevant parts of the Do-It-Yourself index have been transferred to records in Danbib. Likewise, relevant parts of the Hobby index have been transferred to records in Danbib.

Using a licence granted by the Danish Agency for Culture, evaluation of the *Libraries' Net Guide* has been performed and records created for the resources which meet the new selective admission criteria for websites in the National bibliographie etc. A total of 3,400 registrations have been reviewed and approximately 1000 records have been created at National Bibliographical level with the addition of subject data.

Retroconversion of reviews

The following were converted in 2012 and are now accessible in Danbib and bibliotek.dk:

- Newspaper feature index 1945-1978 (reviews)
- Newspaper feature index 1940-1944 (articles and reviews)
- Danish periodical index 1943-1944

WorldCat

Danish libraries have access, via Netpunkt, to search and reuse bibliographical data from WorldCat. DBC manages the uploading of bibliotek.dk to WorldCat as well as the uploading of localisations for the research libraries that wish to be visible in WorldCat. In addition, DBC sends extracts from VIP to OCLC with a view to rendering the libraries visible in the WorldCat Registry.

The general collaboration with OCLC on WorldCat is managed within the frameworks of Danbib. Generally, the Danish cooperation is taken care of by a coordination group with representatives from DBC, the Danish Agency for Culture, the State and University Library and the Danish Royal Library.

In 2012, DBC and OCLC initiated a joint synchronisation project between Danbib and WorldCat. The finished solution includes ongoing updating between the two databases and thus replaces the present Batch Upload Process.

Development of digital content services

Faktalink.dk and Forfatterweb.dk

Faktalink and Forfatterweb are solidly incorporated online tools in schools and libraries and are used for the writing of assignments and inspiration. In 2012, the annual increase in the volume of material was approximately 20 %, with 50 new Faktalinks (Fact links) and 107 new author portraits. In 2012 the focus has been on making the articles more visual with more pictorial illustrations and the use of embedded video clips. Forfatter web is used in collaboration with DR (Danish Broadcasting Corporation) *Readers' clubs* and has joined Facebook where it has a growing fan-base.

Filmstriben.dk

The Libraries' Film Base – Watch films at home with your library pin code
Filmstriben is now an incorporated and frequently used library net service with approximately 32,000 weekly visitors and is number four in danmarksbiblioteksindex.dk. With 630,000 streams in 2012, use of the service doubled compared with 2011.

A total of 1,600 films are available to users in all libraries in the country - approximately 1,150 of these films are feature films, the remainder are short films, documentaries and animated films. In December 2012, an agreement relating to 200 classic films was signed with the first Hollywood studio, Warner Brothers.

Watch a film in education & Watch films in the libraries
In both portals there are approximately 1,254 short and documentary films from the Danish Film Institute (DFI). Many of these are shown daily in almost every school and secondary school in the country and on middle-range training courses. In *Watch a film in education* there were 635,000 showings in schools in 2012 - an increase of 50% compared with 2011.

During the course of the year improvements were carried out, in collaboration with DFI, on a new educational universe. A general technical reorganisation is also planned, the purpose of which is to facilitate the viewing of both short documentary films and feature films on tablets.

Spilogmedier.dk

Spilogmedier (*Games and media),* a downloading service primarily for public libraries, now contains over 155 different games and programs, offered on a download loan basis for 2-7 days in (up to now) 60 of the country's municipalities. An agreement was signed in 2012 with Ubisoft, one of the three largest games producers in the world, on 50 titles for the service. Also in 2012, agreements were signed with a number of new games producers. A new form of distribution, Cloud Gaming (i.e. the distribution of games via streaming technology) presents exciting new distribution opportunities which can make it easier for users to access the games without having to download them.

Development of other products

Courses and consultancy services
Also in 2012, courses were held in DBC's core areas in the form of the following courses:

- Cataloguing

- Formatting for research and training libraries

- Formatting for public libraries

- Formatting Update

The course in Cataloguing is new and was developed at the request of the libraries. It has been held once successfully and the plans are to continue it in 2013. A commissioned course was also held on bibliotek.dk.

With regard to consultancy services, the collaboration with Novo Nordisk on assistance from DBC's Data Department for cataloguing etc. was continued in 2012. Two employees from DBC were posted in the Novo Nordisk library two days a week.
Consultancy assistance for Novozymes in connection with their implementation of the Ebsco Discovery Service was continued in 2012 with follow-up activities following commissioning of the solution at the turn of the year. Assistance has been provided to the Danish Film Institute (DFI) with the allocation of subject headings for teaching material for films in DFI's new website for film in teaching. The collaboration with the *Board for Continuing Education and Training support* on quality management on the *Bibliomteric Research Indicator* was also continued in 2012.

Further development of Palles Gavebod, the new website for all Danish children's libraries, continued in 2012 with Vejle Libraries as the legal entity for the consortium. The project management is anchored in Vejle while three employees are physically located at DBC in Ballerup – one of whom is employed by DBC. They are directly dedicated to development, design and project work relating to Palles Gavebod.

In 2012, alternating themes for the site as well as further development in the form of, for example, a game and a drawing application have been worked out. Work was also commenced on the development of access via UniLogin, a common login for schools and educational institutions, a Query service and a Community. Further development and implementation of these areas will continue in 2013.
Four courses were also held in the CMS for Palles Gavebod.

Artesis Databrønd (*Artesis Data Well)*
During 2012, Artesis Data Well gained a number of new customers. At the end of 2012, just under half of the country's public libraries joined (corresponding to approximately 62% of the population) as well as the seven new university colleges.

Ten new sources – both Danish and foreign – were placed in the Well during 2012 and they were all chosen in a collaboration between the libraries and DBC. Some of the sources are related to one another so that the search result – via established relationships between the sources – gives additional information that would not immediately be found via an ordinary search. This creates added value for

the users compared with an ordinary search result. The work of placing new sources in the Well and creating the right relationships will continue in 2013.

Artesis

During the course of 2012, the Artesis interface was developed further in the new version, Artesis Alpha. This version is primarily aimed at the university colleges, the first of which will become operational with the site at the start of February 2013.

Four public libraries have chosen to remain on DBC's Artesis solution in 2013. Of these libraries, the first started operating on the new version at the end of 2012. It is expected that there will be further minor development of the product in 2013.

At the same time as development of the new version, work will be carried out on documentation and development of the course in the editorial section of Drupal. This half-day course was held for the professional colleges and a public library.

Standardisation

The libraries' infrastructure is based on standards. Consequently, DBC participates actively in the development of standards at a Danish, Nordic and international level. The venture is coordinated in an internal forum, DBCstandard, in close cooperation with DBC's technical architecture forum.

- DBC holds the post of vice chairman in the Bibliographical Council which, among other things, makes recommendations to the Danish Agency for Culture primarily in cases relating to the libraries' catalogues and national bibliographical matters.
- DBC participates in the Danish Agency for Culture's DanZIG committee, which draws up guidelines for technical interplay between library and information systems based on standards.
- In the Danish Standards Committee for Information and Documentation (S24), DBC holds the chairman's post in the sub-committee for Technical Interoperability and participates in the sub-committee for Identification and Description.
- Via S24, DBC participates in international standardisation work in ISO TC 46, Information and Documentation. Furthermore, DBC participates in the activities associated with renewal of the cataloguing rules.
- At a Nordic level, DBC participates in SVUC (Scandinavian Virtual Union Catalogue), a collaboration between Nordic joint catalogues, based on standards.

Development through partnerships

DBC prioritises development in partnerships. In 2012, we focused on the following partnerships:

The Danish Agency for Culture

The Danish Agency for Culture is, as authority for libraries, pivotal to DBC's business. DBC also has a relationship akin to a partnership of a project-oriented nature with the Danish Agency for Culture whereby they, in part, plan bibliographical development in Denmark, and in part administer roles of a

professional and decision-making nature for the national databases. In 2012, the migration of bibliotek.dk, the analysis of RDA as a future cataloguing rule and BIBFRAME as a new format were the focal points.

The Danish State and University Library (SB)

In 2012, DBC developed E-copy, a service for library users, in partnership with SB. E-copy is a new service on bibliotek.dk which grants users access to 200 million scientific articles in specialist and research periodicals. The project was supported by the Danish Agency for Culture.

OCLC

A development project relating to closer interplay between WorldCat and Danbib has been started with OCLC. The project will help establish future-proof cohesion between the national data well and the global WorldCat. The objective is to establish access to international bibliographies and catalogues and to support Danbib's presence in WorldCat in real-time. Synchronisation will be implemented in 2013.

The Danish film Institute (DFI)

DBC and DFI have established a long-running partnership relating to digital film distribution via Filmstriben. For DBC, the goal is to be a relevant facilitator for the libraries' digital film dissemination and for DFI the goal is primarily to ensure that films are used by and distributed to schools, libraries and to the population in general as extensively as possible. The partnership will provide quality content for the realisation of DDB.

The Culture sector in general

Per July 1 2012, DBC ceased to be the distributor of TMS (The Museums System), a proprietary system that did not match DBC's Open Library Strategy and Open Source. DBC's work on the construction of a national data well in the library sector has spurned interest from major cultural heritage institutions such as the National Gallery of Denmark, DFI and DR in building a similar cultural heritage well. Therefore, in 2013, DBC will open itself up to partnerships with major cultural institutions relating to the development of a well of cultural heritage.

Dialogue with the libraries

In 2012, meetings were held with the Danish Association of Library Managers. There was particular focus on DDB and the organisation thereof. Workshops were held with the major libraries connected to the Artesis data well. A meeting was also held for the central libraries as well as KKB and ÅKB, the central libraries in Copenhagen and Aarhus respectively, on DBC's bibliographical development, a topic which is also a fixed item on the agenda at orientation meetings concerning Danbib.

The dialogue group for digital products expanded its pool of participants to ten alternating library representatives in 2012. However, ÅKB and KKB are permanent participants since they are the largest users of the products.

Annual cycle of work activities

In all the major product areas DBC has established fixed meeting fora with representatives of the libraries who provide input to further development of the product. In the case of Danbib and bibliotek.dk, where there is a close link between development, the annual development plan for Danbib and bibliotek.dk respectively was sent out to the entire library sector for extensive consultation and the

responses from the consultation were subsequently discussed in a forum for library managers. As a follow-up to this, in January a number of well attended orientation meetings were held concerning the bibliotek.dk migration.

The annual cycle of work activities are coordinated with DBC's annual planning process which ensures that all requests concerning development for the coming year are properly channeled. Social media is also included as a channel for user input.

Orientation on the phase-out of products
A number of meetings were held with Integra customers and TMS customers due to the phase-out of the systems. Meetings were also held with Artesis Web libraries regarding the forthcoming phase-out.

Presentations at conferences, seminars etc.
At the State and University Library's annual meeting on lending cooperation, DBC presented two papers: One on the latest developments and forthcoming initiatives in bibliotek.dk and Danbib and a presentation on user surveys on Netpunkt. The basic aim of the survey was to map which tools are used most and which tools need to be made more visible.

Exhibitions
In 2012, DBC attended the following exhibitions:
- DB's annual meeting in Frederikshavn, March 2012
- Educational Exhibition in Bella Center, November 2012

International work
DBC held the post of chairman in two of IFLA's sections, namely the Cataloguing Section and the Bibliography Section. Read more about the sections here:
Cataloguing section: http://http://www.ifla.org/en/cataloguing
Bibliography section: http://www.ifla.org/en/bibliography

CSR and environmental considerations

DBC's social responsibility
DBC has an active CSR (Corporate Social Responsibility) policy. The goal is to operate the company in an ethically prudent manner which is in harmony with its surroundings and with customers, suppliers, employees and other stakeholders.

In 2012, DBC has had three trainees employed, a finance trainee and two IT trainees. The objective is to actively support young people's chances of finding a traineeship.

The company strives to promote employee satisfaction through, for example, professional challenges and an excellent health care scheme. DBC participated in the *Denmark's Healthiest Company* competition in 2012. The competition consisted of a questionnaire survey which resulted in a report on the state of health in DBC. The report provided a comprehensive insight into health via the sub-themes

diet, smoking, alcohol, exercise and stress. Since the publication of the report it has formed the basis for DBC's further work under the auspices of the staff club at DBC.

As a result of the increased focus on health, the staff club receives a grant from DBC for exercise and other health care activities. Overall, DBC's staff club makes an important contribution to DBC's work with CSR. DBC offers its employees such activities as choral singing, concerts, fitness runs and Pilates. In 2012, over 80% of DBC's employees were members of its staff club and its events are always well attended.

Environmental considerations

The active environmental policy continues to be a prominent hallmark of DBC, in terms of employee awareness, its collaboration partners and contacts. In the local area Its participation in the EU project, CARBON 20, has been a landmark event for DBC.

The project entails participating companies and municipalities striving to reduce their CO_2 emissions over a three-year period (2011-2013) to an ideal target of 20% compared to 2010. With approximately 506 tonnes, DBC has already achieved its lowest emission of CO_2 to date. This is equivalent to a reduction of 25% since 2010. Thus, DBC has already exceeded the success criteria for the project in 2012.

The company's green profile has been strengthened, not least by virtue of the in-house improvements that have been made in the last couple of years. In 2012, the final major part of the indoor renovation was completed. As with the previous renovations since 2009, energy-saving initiatives have been incorporated as criteria. Obsolete light sources were replaced with more energy-efficient sources, better use is made of natural daylight and an old electricity and heat-consuming gate has been removed.

Throughout 2012, DBC has also been an active participant in Ballerup Municipality's environmental network, both with regard to the aforementioned project and also in sparring and providing inspiration for the organisation's environmental work in general. DBC will continue with and intensify its active environmental work throughout 2013.

Statistics in core areas

National bibliographical production

National bibliography (weighted registrations)	2008	2009	2010	2011	2012
Dansk Book Register (DBF) - physical (1+2)	17,097	19,364	18,223	16,203	16,493
Danish Book Register (DBF) – online (2 + 3 + 4)					6,113
The BNG project					300
Internet publications(2)	2,322	3,377	4,447	3,761	0
Danish Picture Register (5)	3,787	4,885	4,821	10,092	6,355
Danish Audio Register (6)	1,070	1,159	1,339	1,085	1,590
Danish Music Recordings (7)	1,575	1,702	1,827	2,718	3,260
Danish Article Index (8)	15,299	15,065	13,797	14,197	13,808
Review Index (9)	2,039	1,875	1,707	1,886	1,778
Music reviews	551	508	439	388	361
Danish weighted registrations – total	43,470	47,935	46,600	50,330	50,058

(1) The Greenlandic Book Register is included here

(2) Multimedia included in DBF

(3) In the statistics prior to 2012 the Danish Book Register (online) is listed as "Internet publications"

(4) Copy cataloguings in DBF

(5) Of which online films

(6) Of which online audio

(7) Of which online music

(8) Of which the specification of the link for the physical version and the online versions is in the same post.

(9) Included here: New media (weighted)

Use of Danbib and bibliotek.dk

Number of records in Danbib	2008	2009	2010	2011	2012
(mio.)	29.5	31	32.6	33.4	33.8
Change in %	+3.5%	+5%	+5.2%	+2.5%	+1.2%

Number of records in bibliotek.dk	2008	2009	2010	2011	2012
(mio.)	11.2	11.7	12.6	12.8	12.9
Change in %	+3.6%	+4.5%	+7.7%	+1.6%	+0.8%

* This increase is primarily attributable to the inclusion of Bibzoom albums

Use of bibliotek.dk	2008	2009	2010	2011	2012
Number of visits (mio))	3.3	3.6	3.6	3.3	4.1
Change in %	-10.8%	+9.1%	+0%	-8.3%	+13.8%

Danbib orders	2008	2009	2010	2011	2012
(t)	1,968	2,019	1,965	1,979	1,997
Change in %	-4.7%	+2.6%	-2.7%	-+0.7%	+0.9%

Orders in bibliotek.dk	2008	2009	2010	2011	2012
(t)	1,384	1,472	1,521	1,771	1,824
Change in %	+8.5%	+6.4%	+3.3%	+16.4%	+3.0%

User-created data in bibliotek.dk	Quarters 3-4 2009	2010	2011	2011
Number of ratings	1,825	1,914	5,448	6,470
Number of rated materials	1,698	1,837	4,827	5,661
Number of unique users who have rated	378	652	1,334	1,661
Number of comments	206	322	744	914
Number of material commented on	197	311	701	849
Number of unique users who have added a comment	150	232	460	555

DBC's accounts

DBC's accounts for 2012 will be published on dbc.dk during May 2013.