

CMS for Bergen Public Library's Inter- and Intranet site

System requirements and price inquiry, 31th of March 2009

Contact persons for the price inquiry

- Web editor Sverre Helge Bolstad
- Phone : +4755568507 (+4792066683)
- Fax : +4755568555
- Email : sh@nettbiblioteket.no [mailto:sh@nettbiblioteket.no]
- Skype : sverrehelge

and

- Ass. library director Dagny Eide
- Phone : +4755568506
- Fax : +4755568555
- Email : dagny@nettbiblioteket.no [mailto:dagny@nettbiblioteket.no]

Attachments and documents available:

- 1 *Price sheet template and solution specification* (to be returned together with the price offer and contract draft) .pdf available online [<http://nettbiblioteket.no/new-price-and-solution.pdf>]
- 2 *Map of the information architecture* – HTML available online [<http://nettbiblioteket.no/new-ia.html>]
- 3 *Wireframes of the new site* – .pdf available online [<http://nettbiblioteket.no/new-wireframes.pdf>] – This is not the design, but an overview of functionality and site elements
- 4 *Explanations of the wireframes* – .pdf available online [<http://nettbiblioteket.no/new-wireframes-explanation.pdf>]
- 5 *System requirements and price inquiry* – this document .pdf available online [<http://nettbiblioteket.no/new-system-requirements.pdf>]

Table of content

1. Introduction
 - I. About Bergen Public Library
 - II. About nettbiblioteket.no
 - III. The situation now
2. A new publishing tool
 - I. Our needs
 - II. Wanted functionality
3. Intranet
4. Bibliofil iframe integration
5. Content types and templates
6. Digital collections
7. Moving the site
8. Training and documentation
9. Graphical design and skinning
10. Additional site – Bull2010.no
11. The offer and required documents

Introduction

About Bergen Public Library

Bergen Public Library (BPL) is the second largest public library in Norway. The present institution was founded in 1872, but is based on much older library traditions. The main library was built in 1917. BPL has its main library in the city center, 6 branch libraries and a mobile library (Bokbussen). In addition to a wide choice of modern Norwegian and foreign literature and other material, the library owns valuable special collections and archives from earlier times. A total number of 700.000 books, periodicals, sheet music, CDs, videos, computer games etc. are available for library users. Except from the oldest materials are our collections now accessible through our online catalog. From our special collections and archives more than

50 % of the original material like manuscripts, autographs and photos have been digitized and are available through our website.

About nettbiblioteket.no

Nettbiblioteket.no [<http://nettbiblioteket.no>] is BPL's home page. Varying subjects are high-lighted, there are author profiles, book/cd/film recommendations, practical information about the library, etc. and access to the Library's online catalog. The library's Integrated Library System (ILS [http://en.wikipedia.org/wiki/Integrated_library_system]), BiblioFil, have no back-end integration with the homepage. The content and services of Nettbiblioteket.no are produced by our personnel. It comprises traditional library services available on-line and new material produced for nettbiblioteket.no. Nettbiblioteket.no was originally developed in 1997–1998 with an update in 2002.

The content of nettbiblioteket.no can be put into three categories.

1. The traditional homepage of the physical library with information for our patrons about opening hours, lending-rules, contact information, departments, events, branches, employees etc.
2. Magazine-like content such as news, film/music/book recommendations, interviews etc.
3. Digital collections and project sites such as a collection of authors from western Norway (Vestlandsforfattere), artists from Bergen (Bergensartister), scanned documents from Edvard Grieg's private archive (Grieg-samlingen) and Ole Bull's published compositions, digital exhibits and other overviews/predifined searches.

Nettbiblioteket.no are made up of approximately 1500–2000 HTML pages. A sitemap is available here [<http://www.nettbiblioteket.no/OrdinarySiteMap.html>].

According to Google Analytics our traffic is about 60 000 visits with 360 000 page views a month, or according to Analog about 5 300 000 page requests a year, with about 1 6000 000 page requests to content outside the catalog. The largest part of the traffic goes to our Online public access catalog (OPAC), not to CMS content.

The situation now

Nettbiblioteket.no is under constant growth and development, and have long ago surpassed the scalability of the original structure. We use Dreamweaver to handle the content of the static webpages. We have about 10 writers, some of them write content in a word-processor, some in Dreamweaver and some on email, and the web-editor updates the pages in Dreamweaver. We also use some simple "widget/badge"-data-retrieval from "Web 2.0"-services such as bookmarks from delicious.com, maps from maps.google.com, and pictures from flickr.com.

A new publishing tool

We would like to use a content management system to make the publishing process easier, and conformity to accessibility standards better. At the same time we want to restructure our site and make it more visually appealing.

The general requirements for the solution is that:

- the solution shall be installed on BPL's server
- the offered solution shall be based on open standards and open source software
- the solution has good performance in regards to our requirements and wishes for functionality
- the solution has support for running multiple sites
- the solution is "skinable" with a design developed by local graphical artists

We aim for:

- better overview and control over all content published via web
- better utilization of internal human resources in relation to contributing on the Web
- better services for our users by following standards and accessibility guidelines
- better archiving and documentation of the organizations websites, events and documents
- opportunities to provide new services and improve service in general to the outside world
- an entertaining and informative website, using state-of-the-art web technologies
- an increase in the circulation of media in our collection

Our needs

We look for a CMS provider that can help us make nettbiblioteket.no the #1 Library Site in Norway.

We need a well proven, module-based, accessible, web-based, open source publishing-tool to manage the content of our

Inter-, – and Intranet. General requirements are:

- User and permission administration
- Workflow
- Through-The-Web editing
- Creation of collections and browsing of these
- Creation of custom content types and page templates
- Search and site map
- Support for a changing information architecture
- Calendar
- Simple web forms
- Possibilities to “close” a part of the site for Intranet

As we are a public library with limited funds we want to do as much as possible of the work ourselves. We have worked thoroughly to describe, illustrate and explain the needs of our site and we hope that this is useful and time saving in the coming process. We also hope that we can do work like the following ourselves in the process ahead:

- build the structure with folders and pages
- move the content from the old site
- train our authors
- produce documentation and tutorials for our users
- create users and groups in the system

We have chosen Plone CMS as our first choice of publishing tool because of the maturity of the Plone project, its conformity to standards and accessibility, its multilingual support, its possibility for granular rights, its user-friendliness and its open source. If feedback in the Price sheet template and solution specification suggests that Plone is not the right tool for this task we might have to look for another CMS. As Plone CMS have a lot of features and functionality out-of-the-box, we basically need someone to install the system and customize it to our needs by creating custom content types, develop or modify and install third-part functionality, create page templates/viewlets/portlets and skin the site in our new design. New functionality that might be developed should have a free software license, and if suitable be packed as a Product so that other libraries could use it with Plone. It is important that the new functionality is compliant with standards for universal design and other Plone functionality, like internationalization.

We are very open for suggestions, ideas and advice from the CMS provider to make the most out of Plone and the new site.

Main content domains

The content of the site can be divided into some main content domains:

- Literature
- Music
- Film
- Games
- For children
- Multilingual
- Local history
- Nature and society
- Arts and culture
- Digital collections
- About the library

Each main content domain will have its own frontpage. The content of the site main front page is not yet decided.

Following are a list over wanted functionality. The Plone Products and examples mentioned in this document are only meant as suggestions, and are not part of the requirement.

Multiple sites and domains

We want to be able to add and manage several sites with Plone CMS. See chapter 10 – Additional site – Bull2010.no, for an example of an upcoming site.

A successful relationship with a serious provider might lead to involvement in future sites for setup, skinning and customizations.

An alternative to clustered sites could be Lineage for Plone [<http://pypi.python.org/pypi/collective.lineage>]

Users, permissions and workflow

The users and groups shall be created by the administrators. The “join” functionality should be blocked as we do not need our patrons to be a member of the site.

The workflow “author write → editor publishes” is the usual scenario but if it is possible the following is preferred:

```
Author writes article -> Proofreader reads -> Editor publishes (-> Author edit published article later, without new workflow)
```

Content on the Intranet should have another workflow:

```
Author writes and publishes (no editor function)
```

For writers from outside our organization (i.e. a person from Bergen Film Club creates a post in our film-blog)

```
Author writes -> editor publishes
```

In the last case the permissions should be set to “write” only in the folder/blog that is allowed, and she should not be able to see the Intranet content.

Our users in the coming solution:

- 2 main editors (with administrator rights),
- 3 co-editors and proofreaders
- 1 superuser for each Main content domain (Music, Literature, Local history...)
- About 15–20 authors, some of them from outside the organization

Our usergroups in the coming solution:

- Administrators
- Proofreaders
- Superusers
- Authors
- Employees
- Non-employees

Cross-publishing and news listings

The author should be able to indicate where to display the article. She should also be able to re-publish or display old content (“Interesting”):

Indicate where to display content: (*/path describes the location in the site folder structure*)

3 scenarios:

- An author writes a book recommendation for children and save it under */for-children/book-recommendations*. The author should then be able to use keywords or somehow indicate that this article should be displayed on the Site front page (illustration 1), the Literature front page (illustration 11) under the News column (11.1) , and on the Children front page under the News column.
- An author writes an article about a theater play and save it under */arts and culture/theater*. The author should be able to indicate that this article should be displayed on the Site front page (Illustration 1), and on the Art and Culture Main page (Illustration 12) and in the Front page News carousel (Illustration 1.9).
- An author creates a new Event (Puppet theater for children in one of the branches). This event should be displayed on the Site front page, the Branch front page under “Events”, The Children front page under news and in the Calendar.
- An author writes a new News article about a new film. The news article shall not be available in the menu later and should just be stored in the news archive. The author should be able to indicate that this event should be displayed on the Site front page (illustration 1) and on the Film front Page under news (illustration 2.1).

Dynamic news listing on each Main page

On each main content domain front page (music, literature, the library...) there should be two dynamically created content lists in the main column. One of them are “News” (see illustration 2.1) and list new content (all content types) in the domain, the other column is “Interesting” (see illustration 2.2) and lists old selected content we want to highlight again from the specific content domain.

3 scenarios:

- The local history superuser wants to show off the collection of Illegal War Newspapers in the “Interesting” column (see illustration 14.3). She should be able to edit the “Illegal War Newspapers”-item and choose (by keyword or something else) that this should be displayed in the column “Interesting”.
- The music-superuser wants to show off the main page for our Grieg-collection in the “Interesting” column. She will then edit the Grieg-collection frontpage and choose (by keyword or something else) that this should be displayed here.
- The film superuser wants to show off an article about the director Jim Jarmusch. She should be able to edit this type and choose (by keyword or something else) that this should be displayed in the “Interesting” column (see illustration 2.2).

Keywords and categorization

We want to have the possibility to add keywords, categories, topics or tags to content. The main content domains (literature, music, ...) shall be main keywords, and these could maybe be used as criteria for displaying items on the content domains Main page. We also want the possibility to add more keywords, topics or tags continuously and if possible generate a tag cloud. If it is possible we would also have certain tags for certain content domains of the site, i.e one set of tags for the book recommendations, and one set of tags for the Nature and society themes. These tags should be possible to combine and view for the whole site.

Ideally we would have to set of keywords:

- Internal keywords to aid the publishingprocess
- Tags visible for users (not added by users!) to aid navigation

An example would be an article about the writer Olav H. Hauge. It should be filed with the keyword “Literature” and be displayed on the Literature main page. the article might also have the tag “poet” and “vestlandsforfatter””. Another example could be an interview with the writer and musician Pedro Carmona-Alvarez. It should have the keywords “Literature”, “Music”, and be displayed both on the Literature main page and the Music main page, but also be tagged with “bergensartist” and “vestlandsforfatter”.

Hopefully categorization and crossposting can be solved by Plones default categorization system and by the use of collections.

- Plone Keyword Manager [<http://pypi.python.org/pypi/Products.PloneKeywordManager/1.6>]

Multilingual support

The library have a high percentage of multilingual patrons and most of the content should be available in more than one language. Most of the content should be available in Norwegian and English, and selected content should be available in German, Spanish and French.

We also have pages with information about our multilingual collection consisting of books in 34 different languages (see illustration 16). The publishing tool should support most of these languages [<http://nettbiblioteket.no/flersprk/index.html>].

If a page is not translated, the page should be displayed in Norwegian.

- See illustration 1.8.
- Linguaplone [<http://plone.org/products/linguaplone>]

Global menu

These elements should be included in all sites.

- Logo and header (illustration 1.2)
- A form field for searching our catalog and web pages. (illustration 1.4 and 1.15)
- Global navigation line (illustration 1.1)
- Footer (illustration 1.8)

A nice alternative for the catalog search is the search at <http://library.tamu.edu/> [<http://library.tamu.edu/>] (Plone) or <http://www.darienlibrary.org/> [<http://www.darienlibrary.org/>]

Opening hours are the most visited page on the site, and it should be part of the global menu, and maybe displayed using Ajax like a dropdown menu.

Events and calendar

There should be one central calendar where all events and exhibitions (everything with a date and location) is displayed, and where it is possible to filter the events by i.e. keywords: (See illustration 17)

- For children

- Exhibitions
- Branch

The calendar for Intranet should only be visible by logged in users in the employee-group

Events that are related to a main content domain should be displayed on that domain's front page:

- Events from all categories on the front page
- "Music events" on the Music page
- "Literature" event on the Literature page
- and so on...
- <http://www.bibliotek.kk.dk/arrangementer> [<http://www.bibliotek.kk.dk/arrangementer>] (Plone)
- <http://extension.usu.edu/htm/calendar/month=1/year=2009/displayBy=month> [<http://extension.usu.edu/htm/calendar/month=1/year=2009/displayBy=month>]
- Plone4Artists calendar [<http://www.plone4artists.org/products/plone4artistscalendar>]

Statistics and SEO

We currently use Google Analytics and would like to continue to use it. In addition we use a logfile-based tool which is a modification of Analog [<http://www.analog.cx/>], done by our ILS provider, and we still want, and have to, to use Analog with the new publishing system as it is our "official" numbers to compare with other library websites. This tool is installed on our server and should not be of any concern to the new website.

A SEO tool to enhance search engine visibility of the site is also wanted.

Wanted functionality

In addition to Plone CMS default functionality we want this functionality:

News carousel

A ajax-based carousel displaying the latest news with i.e. title, description, byline and image. It should either be possible to select which content items should be displayed in the carousel (content type, not image) or it should display the 6 latest news. Ideally it should show the latest news by default and then let us add other content we want to highlight. One main carousel should be displayed on the Site main page, and other carousels could be used on other main pages i.e. the front page of our Digital collections. The items should rotate automatically by default, but it should also be possible to rotate manually. When the user click on the item being display, she should be taken to the content page.

- See illustration 1.9
- See <http://www.londondeanery.ac.uk/> [<http://www.londondeanery.ac.uk/>], in the bottom left corner, how this is done in Plone
- See <http://www.aakb.dk/> [<http://www.aakb.dk/>], <http://simile.mit.edu/exhibit/> [<http://simile.mit.edu/exhibit/>] or <http://www.snl.no/> [<http://www.snl.no/>] for other examples
- See <http://plone.org/products/carousel> [<http://plone.org/products/carousel>] for an idea using images

Newsletter

We want the possibility to create a newsletter in the CMS, based on existing content from the site, and also with the possibility to add new content.

- Plone Gazette or similar [<http://plone.org/products/plonegazette>]
- Example from Bergen Arts Museums [<http://www.bergenartmuseum.no/default.asp?side=nb&action=arkiv&sp=1>]

Blog

We need the possibility to set up several blogs in the site. Examples can be a blog for reoccurring events, for our International Womens Group, for different reading groups and for our blog about the library and technology [<http://bergenoff.blogspot.com/>].

This could be done by installing a third-party product or by setting up the CMS to handle it with its own functionality.

It is also possible that the publishing, and management of recommendations (from each content domain), and New books/film/CDs should be handled like a blog.

An example of a suitable blog type with archive, topics and tags for the new site is the Plone blog [<http://theploneblog.org/>].

- PloneBlog [<http://plone.org/products/qploneblog>]
- SimpleBlog [<http://plone.org/products/simpleblog>]

Images and photos

We would like to use a presentation technique to enlarge images on the site.

We will use flickr.com for photo galleries, but images (photos, book covers, persons) used on the events/pages/news will be uploaded in the CMS. We want them to be lightboxed/displayed in a larger version when the user click them just like the example with the screenshot on this page [<http://plone.org/products/ploneformgen>].

It is also desirable to have integration with flickr by embedding pictures from flickr, but this we will do by using embedding-widgets, and we will possibly use Pictobrowser [<http://www.db798.com/pictobrowser/index.html>] (illustration 10.1)

Audio/Video Support

We need to be able to upload and handle audio and video, both in the form of files, and to embed video/audio in pages from other media services like Youtube.

The solution should be able to generate Podcast/videocast

- plumi [<http://plone.org/products/plumi>]
- Plone4artists [<http://plone4artists.org/>]

Information syndication with web2.0 services

The solution should allow some HTML to enable possibilities to display information via rss/badges/widgets/iframe from web2.0 services.

For example:

- Flickr.com
- Youtube.com
- Delicios.com
- Origo.no
- Twitter.com (illustration 1.19)

The widgets should be styled with the same CSS as the rest of the site.

We will handle the Web2.0 services ourselves, and just need the possibility to use them in the Site (allow iframe and embed in the HTML-filtering) and maybe some help with skinning.

Portlets/viewlets displaying RSS from our catalog

Our ILS produce RSS-feeds of searches and "most popular book", "5 newest books" and so on. We need to be able to display the selected feeds from the catalog on our web pages. Plone default RSS-portlet should do, but ideally all content types should have a optional "Related material from our catalog" form-field where it is possible to enter the RSS URL. This is quite similar to the default "Related content" in Plone.

- Example: In an article about the Norwegian author/musician Pedro, the author of the article want to display a portlet with the result from the search for books/CDs of Pedro in our catalog so he adds <http://www.nettbiblioteket.no/cgi-bin/rss?ccl=%22Pedro+Carmona-Alvarez> [<http://www.nettbiblioteket.no/cgi-bin/rss?ccl=%22Pedro+Carmona-Alvarez>]*+%22&websok=websok&rssnavn=Pedro in the "Related material from our catalog url-field.
- See illustration 3.9

RSS produced by the CMS

The site should produce one RSS for all new content, and one RSS for each main content domain. In addition to this it should produce RSS specific for each podcast, blog etc.

Google Maps

We want the possibility to add maps and to create and edit content of the gmap bubble. The maps will be used for our branches, our bookmobile and for our multilingual collections. One special use of a map will be a "Navigate by map"-service, a world map with a textbox popup with links to predefined searches like "all books *about* this country/city", "All books *from* this country", "all films *about* this city" and so on, that sends the user to our catalog. For example the

content of this page [<http://nettbiblioteket.no/flersprk/albansk.html>] pops-up on the map if the user clicks on Albany. Another use will be to show all the stops on the route of our bookmobile, where every gmap page should have a list of dates and times. Plone Google maps is probably able to handle this by default by creating the lists of links to predefined searches on each gmap page, and then geomap them to the country/city on the map (illustration 22).

- Plone Google Maps [<http://plone.org/products/plone-google-maps>]

Popular bookmarklets

We want functionality like “Send this article to facebook, technorati, delicious or digg” and other at the bottom on every article. The functionality should not be visually dominant on the page, so maybe a dropdown-menu or dimmed icons could be a solution.

- See illustration 3.6
- Plone bookmarklets [<http://plone.org/products/plonebookmarklets>]

Quiz

We want simple quiz functionality for i.e. filmquiz, artquiz and musicquiz. At the end of the quiz the user should get an evaluation(i.e. 5 out of 10 correct answers), and the right answers should be displayed.

- Quaestrio [<http://pypi.python.org/pypi/quizz.Quaestrio/0.2dev>]

Forms

We need the possibility to generate simple forms for contact sheets, registrations and so on.

- PloneFormGen [<http://plone.org/products/ploneformgen>]

External links in menus and portlets

Possibility to add direct links to external sites in portlets and menus (not only the default link content type). Plone default Static text portlet should do, if it is styled to be displayed like menus in other portlets. The external link in a menu should look like at regular menu item.

Moderated comments

We want our users to be able to comment selected content. The users should not have to log in, but we still want to moderate the comments. See illustration 3.7

- Plone Comments [<http://plone.org/products/plone-comments>]

Footer

The footer will serve as a kind of simplified site map, and should be manually updated like a editable page or similar.

- See illustration 1.18

BLOBS

BLOBS (video and audio) should preferably be saved on the file system, not in the database.

All content A–Å / Sitemap

An alphabetically sorted list with all content, or Plone default site map

Random quote and tweet

A random quote with links to our catalog should be displayed on film, music and literature main pages (from 3 different quotelists). On the site front page the latest message from the library twitter-account should be displayed.

Preferably the random quote could be a list or a custom content type made up of thh quote-text, keyword and URL and then changed on every page reload. The url should link to a predefined search for the source in our catalog.

- See illustration 2.3
- Random quote in Plone CMS [<http://plone.org/documentation/how-to/random-quote>]

News archive

An archive of all published items sorted by keyword (main content domains).

- See illustration 24

Handheld devices

The solution should be possible to use with mobile phones and handheld devices.

Intranet

We now use Dreamweaver and (Dokuwiki [<http://www.dokuwiki.org/>]) for our Intranet. In the new site we would like to have a log-in protected area of the site as our Intranet where we will melt together our static pages and wiki. The Intranet will serve as a toolbox for collaboration, a news service and a information center for our employees. In addition to folders with pages we would like these features:

- News listing
- Wiki-functionality (Plone style)
- Intranet Calendar

The Intranet should be well protected by strong security and only logged in users with certain rights shall be able to view the content.

A dedicated Plone instance or the use of Linage for Plone [<http://pypi.python.org/pypi/collective.lineage>] could be an alternative.

Bibliofil iframe integration

Today the users "leave" nettbiblioteket.no when using the services of our catalog system provider (i.e. Mappa mi [<http://www.bergen.folkebibl.no/cgi-bin/mappami>] or Websøk [<http://www.bergen.folkebibl.no/cgi-bin/websok>]). Our ILS provider has made portal-friendly views of the Bibliofil services Mappa mi portalfriendly [<http://www.bergen.folkebibl.no/cgi-bin/mappami-portal>] and Websøk portalfriendly [<http://www.nettbiblioteket.no/cgi-bin/websok-portal>] so that it can be included in a CMS. Our ILS provider has made a module/plugin for Joomla, and we want you to help us make one for Plone CMS. Bibliofil is the most used ILS for Norwegian public libraries, and developing it as a Product might open up the possibility for other libraries to use Plone CMS.

The portal-friendly page can be found here: Mappa mi portal friendly [<http://www.bergen.folkebibl.no/cgi-bin/mappami-portal>] and Websøk portal friendly [<http://www.nettbiblioteket.no/cgi-bin/websok-portal>]

Our ILS provider has made a tutorial/recipe on how to integrate it with iframes.

For the login functionality:

1. Create a login form (illustration 1.5)
2. Create a function for handling the message about showing "Mappa mi"(My folder) in an iframe
3. Display the iframe in the content area

For the search functionality:

1. Create a search form (illustration 1.4)
2. The search is received by the portal and generates an URL and opens an iframe with the URL that leads to the search

The search could have a dropdown menu where the user can choose to search in everything, books, DVDs, CDs or the website. The need for two searchboxes will then be obsolete.

We have all the template-files and documentation that is needed for the integration. Please specify in the solution specification what more documentation you need.

The CSS for the portal-friendly package needs to be redesigned either to look like our new portal, or anyway, to look better than it does now.

The CSS-files can be found here:

- <http://www.nettbiblioteket.no/websok4std.css> [<http://www.nettbiblioteket.no/websok4std.css>]
- <http://nettbiblioteket.no/websok4-portalkontrast.css> [<http://nettbiblioteket.no/websok4-portalkontrast.css>]
- <http://nettbiblioteket.no/websok4p-smallfont.css> [<http://nettbiblioteket.no/websok4p-smallfont.css>]

Content types and templates

The default page content type should be like the default news content type with title, image, description and text field. We want to use images on most of the content so that it is more aesthetic on the front page and in newslistings.

Custom templates for main pages

Custom templates/viewlets must be made for the following pages.

- The Site front Page. See illustration 1
- The content domain front page (See illustration 2, 4, 11, 12, 13, 14 16)

On the content domain front page (music, for children, literature..) it should be display domain related news in one of two center columns. The other center column should display selected content that we want to highlight. The last column should display portlets with expandable navigation items. The news listing is based on that all content have images (like the default Plone News content type).

- Branch front page, 6 similar (branch 1, branch 2)
- New material and recommendations (like a blog)
- Digital collections front page and collection page (illustration 4)

It should display a News carousel with highlighted content. It should also display title, image and short description of each collection.

- Vestlandsforfattere and Bergensartister –(*Authors from the Western Norway and artists from Bergen*) (illustration 19 and 21) News carousel preview of the authors with images, name and place, a list of authors and a search.
- Newsarchive, News view
- Calendar/Events, Event view
- Page view

Custom content types

The most used contenttypes on the the site will be:

- News
- Event
- Page
- Recommendation and new material (i.e. Book CD, Film)

Under is a list of examples of simple custom content types we will need in addition to the default types.

Author / artist

(for *Vestlandsforfattere and Debutants*) This could be a modified News type

- The existing collection [http://nettbiblioteket.no/litteratur/vestlandsdebutanter_2008.html]
- An existing page/author [<http://nettbiblioteket.no/vestlandsforfattere/forfat/grytten.html>]

Name*
 Image
 Description
 Date of birth
 Address
 Place (geo)
 Email
 Rich text (page)
 Related content

Material / Medium / Document

This is a content type for cd/film/book news and recommendation, like a blog post

- Example of a recommendation [<http://nettbiblioteket.no/lesetips/lesetips/amerikanske.html>]

Recommendation title*
 Image*
 Description

```

Itemtitle (with link to the post in the catalog)*
Author(s)/Director(s)/Artist(s)
Publisher/Label/Company
Year
Country
Category/Keyword
Rich text*
Related content
RSS URL
Comments (default on)

```

The characteristics of the way recommendations and “new books” are published are very similar to that of posts of a blog. It is possible that this should be handled like a blog (but without being called a blog!) where each post was a content type like mentioned. For example the film recommendations should then be a blog-folder under the Film main content domain. (film/film recommendations). The same goes for books and CDs.

An example of a possible way of handling recommendations and new books is the Plone blog [<http://theploneblog.org/>]

For the content authors there should be a page like the default Plone Author page, with a presentation of the author and an overview over what she has published.

Bergensartist

This content should be possible to add by Anonymous user, and be moderated by the web editor. The Collection should be possible to browse alphabetically by name, by instrument and by genre. It should display what band an artist plays in when displaying the information about the artist, and it should display what artist plays in “this band” (illustration 19).

See Link to page [<http://nettbiblioteket.no/bergensartist/>]

```

Band name*
Image
genre
URL (homepage/MySpace)
URL (search in the catalog)
URL (RSS from the catalog)
related content (internal link)
has_members (Artist) 0:n

```

```

Artist name*
Image
instrument
CD/Publication
URL (homepage/MySpace)
URL (Search in the catalog)
URL (RSS from the catalog)
plays_in (Band) 0:n
related content (internal link)

```

Quote

Random quote that appears on selected pages (illustration 2.3).

```

quote (text)
source (URL)

```

should be assigned a category (i.e. music, arts and culture, literature)

Digital collections

The library have several small (20–100 objects) and large (several thousands objects) digital collections of different types:

- See our Special collection page [http://nettbiblioteket.no/biblioteksinformasjon/info_spesialsaml.html]
- The Grieg-collection [http://nettbiblioteket.no/grieg-samlingen/grieg_samlingen_intro.html] (several hundred scanned tabular notes, photos, letters etc)
- The Bull collection [http://nettbiblioteket.no/musikk/vestnorsk_musikk/bull-samlingen_intro.html] (several hundred tabular notes, photos, letters etc.)
- Ex libris [<http://nettbiblioteket.no/lokalhistorie/exlibris.html>] and similar old prints (collection of about 100 photos of exlibris/ephemera)

We will present several exhibitions and digital collections in the near future. Some of these object are registered in our catalog, and some of them are stored on flickr. The most common item in the digital collections are scanned old images/documents/letters/books with textual descriptions and metadata. Plone will be used to present an overview over these resources and by presenting them in different ways:

- List of predefined searches in our catalog (i.e pictures of Mrs. Grieg, letters from 1889..) (illustration 6)
- Collection of Audioclips (from the Edvard Grieg or Ole Bull collection)
- Digital exhibits created with Exhibit 2.0 from M.I.T [<http://simile.mit.edu/exhibit/>] (ia. for Griegs concert programs with map view over Europe) (illustration 9)
- Presentations of old documents using a flash book browser from Ambient Media [<http://www.ambientmedia.se>] (illustration 7)
- Flickr, for photo collections, embedded in our webpages, or presented on flickr.com/bergenoff [<http://flickr.com/bergenoff>] (illustration 10)
- Catalog posts in our catalog (all digital material will be registered in our catalog) (illustration 8)

We are combining a Flash-based book-browser with our digital collection. See Stockholmskallan [http://www.stockholmskallan.se/Gamla_biblioteket/flashapplikationen/bookbrowser.html] (skip the intro) for the actual browser. This browser will be used on selected parts of the collection to make a nice presentation. The flash-player will be displayed in the Plone site with iframes or in a pop-out window.

Optional Plone Product – Plone Exhibit

Lately we have been testing Exhibit 2.0 from M.I.T [<http://simile.mit.edu/exhibit/>] and find much of the functionality interesting and suitable for some of our collections. Ideally we would use Plone as the GUI for creating the objects/items with links to our catalog and use Exhibit 2.0 for the presentation. The Exhibit presentation will only be used to present links to the actual content that can be found in our catalog, on flickr or in our book browser. As we see it one alternative could be to make a Plone Product based on the Exhibit framework and we would like to get a price quote for this. See an example of how Vestlandsforfatterne [<http://nettbiblioteket.no/presentasjoner/vf/nobelists.html>] can be implemented in such a solution. In the first version of the site we will handle the Exhibit presentation ourselves and include it in the Plone site, but please suggest an approximate price for the development of such a product.

Plone and faceted browsing:

- Faceted Classification + Exhibit in Plone now! [<http://theploneblog.org/blog/archive/2006/05/31/death-and-taxonomies>], seems like a start of a Exhibit Product.
- Faceted Navigation in Plone [<http://plone.org/products/faceted-navigation>], faceted browsing.
- another Plone Exhibit project [<http://9023.noiza.net/samplemat/catalogo>]
- Wordpress Timeline plugin [<http://www.freshlabs.de/journal/archives/2006/10/wordpress-plugin-simile-timeline/>]
- Joomla Exhibit plugin [<http://extensions.joomla.org/extensions/bridges/7567/details>]

Moving the site

We will move all the existing content from the old site into the new site and need suggestions on how to do this in the best possible manner. All the content is in HTML on our server, and all images are stored in folders. We will move the content ourselves but need some advice on clean HTML-to-Plone conversion.

Training and documentation

A training session (1 or 2 days) should be given to our administrators and advanced users:

- Users administration and permissions
- Brief introduction to templates, viewlets and portlets and how they are used in the site
- Advanced content editing

We will give training to our article-authors ourselves

Please give an overview over documentation that the provider might supply in addition to the Plone.org resources.

Graphical design and skinning

The graphical design of the page will be done by local artists, and we need the CMS provider to create a Plone-theme based on this design. The graphical design will be clean and simple and inspired by the art of typography. It is very important that the new theme is compliant with standards of universal design, and that it makes i.e. multilingual content possible. If it is developed as a complete theme it should have a free software license. It is important that you specify in your feedback and solution specification what format you accept for the graphical design. (.PSD, HTML/CSS etc.)

We are also probably going to use Librarything for Libraries (LFL) [<http://www.librarything.com/forlibraries/>] to enhance the usability of our catalog. The different views of the LFL functionality (rating, reviews, tags) will be included in the catalog system, and it will require styling of a few divs to make it match the rest of the theme, when integrated with the portal-

friendly iframe solution described in chapter 4 (Bibliofil iframe integration).

Additional site – Bull2010.no

In 2010 it is 200 years since the Norwegian composer and musician Ole Bull was born. BPL will host a jubilee web page from the summer of `09 until the summer of `11.

The webpage will contain:

- News / Blog
- Articles
- a calendar
- a random quote
- RSS feed from a Origo [http://origo.no/-/sandbox/show/189530_bull-2010] calendar
- RSS from delicious
- a flash viewer (an exhibition) and book-browser
- video and sound clips
- a search field to our library
- translations in English and Norwegian
- Google map

We want to reuse functionality that might have been developed for nettbiblioteket.no for this site. The site will not require any functionality that is not in nettbiblioteket.no or in Plone CMS. We need the CMS provider to set up a new Plone instance for this site. The site shall be skinned based on design developed by a local graphical artist.

The offer and required documents

We are looking for a serious Plone CMS system provider for the implementation of Plone CMS in our organization. We want this to be a lasting relationship for further consultancy and later projects.

The offer shall be received by Bergen Public Library by May 4th. Late delivery of the offer is automatically rejected.

The offer and the Price sheet template and solution specification document should be sent by post to:

- Bergen Public Library
- Strømgaten 6
- 5006 Bergen
- Norway
- "CMS for Bergen Public Library"

or by email to:

sh@nettbiblioteket.no [<mailto:sh@nettbiblioteket.no>] and dagny@nettbiblioteket.no [<mailto:dagny@nettbiblioteket.no>]

The offer shall be written and signed by the authorized representative of the vendor, and given by post or email.

In the negotiation period we have the opportunity to negotiate changes of all aspects of the offers, such as business terms, prices, schedules, technical specifications etc.

Costs that the provider incur in connection with the preparation and delivery and follow-up of the offer will not be reimbursed by Bergen Public Library.

Communication and workform

As we are located in Bergen, West-Norway, the work form will depend on your geolocation and preferences.

- Physical meetings

We would like to meet after an initial prototype is set up, and at the end of the project for a training session.

- Online communication (email, skype, irc)

We are open for all kinds of online communication

- Testing and prototyping

In the development period we would like to have contact at least once a week.

We are open for suggestions on how to solve communications in the best possible manner .

Offer and implementation schedule

This is the tentative plan for the price inquiry process:

- March 31th 2009 – Sending out the Price Inquiry Document (this document)
- May 4th 2009 – Final date for sending in offers
- May 4th – May 11th 2009 – Negotiation with the offering companies
- May 11th 2009 – Decide CMS provider and sign the contract

This is the tentative plan for the implementation process:

- June 11th 2009 – Prototype installed
- June 11th – July 15th 2009 Development and testing
- July 15th – September 15th 2009 Moving content from the old site, development and testing
- September 15th – October 1st – Training and testing
- October 2nd – Final test of the CMS solution
- October 5th – CMS solution and new site ready for launch

This plan can be changed in the negotiation process before the contract is signed. Please comment the schedule in your feedback.

Documents and evaluation criteria

To evaluate the qualifications of providers, we ask the following documents in English or Norwegian:

1. The offer (in Norwegian Kroner)
2. Price sheet template and solution specification
3. Contract proposal (Please prepare a standard contract)
4. References (minimum 3 pieces) that will have the following characteristics:
 - URL of live pages
 - Short description of the work done by you
 - The references shall provide customer contact (references will be contacted)
5. Credit evaluation from a recognized rating agency or “Skatteattest” from the Norwegian authorities

The selection and decision of the provider is going to happen on the basis of an overall assessment that the most economically and advantageous, in regards to fulfilment of functionality, offer at the end of negotiation is going to be selected. The following criteria, not in order of priority, will be used:

- Price and payment terms for the consignment

It is essential that the supplier responds to the price sheet template and solution specification. We will be adding the total cost (acquisition costs, conditions and pricing of the options for maintenance and support plan) as a basis for price evaluation.

- Task understanding and compliance between requirements and solutions

The solution specification and plan for implementation of the wanted functionality will be used, together with information obtained from references.