



Lotus Domino® Application



## **GeoCom® Library**

Version 7 – 17 March 2008

**Update 7.3 Build 703**

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## 1 Introduction

This documentation describes changes and enhancements to GeoCom® Library version 7.3.

Modifications affect the following aspects of the application:

- The overall performance of the application has improved regarding low bandwidth user access (DSL), application start, view switching, creation of booklists and title search using webOPAC.
- The "Controlled circulation" function has been extended.
- Title search via OPAC has been extended by additional search options.
- The module webOPAC has been reworked for easier configuration.
- The module GeoCom® ErrorHandling has been included to be able to log error protocols for runtime errors.

## 2 System requirements

To run GeoCom® Library 7.3 usage of a Notes server of version 6.5 or 7 is required. A Notes client of version 6.5 or 7 must be used to access the application.

Usage of a Notes client version 6.0 is possible in general but is not recommended.

☛ **Note:** A new license key is required to run GeoCom® Library 7.3.

## 3 Performance improvements

By revisions of internal functions performance of the application has been considerably improved in certain aspects:

- The initialization routines have been revised to ensure a faster application start.
- The functions for displaying views have been improved, therefore switching views via the navigator now takes less time.
- The engine for displaying catalog entries based on configuration has been reworked, so creation of book lists now takes ca. 50% less time.
- Title search using webOPAC has been improved and now takes considerably less time to display large result lists.

## 4 Controlled circulation

The controlled circulation for journals has been revised and enhanced by several new functions.

#### 4.1 Layout of controlled circulation form reworked

The layout of the form for controlled circulation has been reworked. The list box is now larger and shows more entries without scrolling. Further, the action bar with the buttons ("Add new circulation", "Print" etc.) has been moved to the area below the list. This way, less scrolling has to be done while working on a circulation entry.

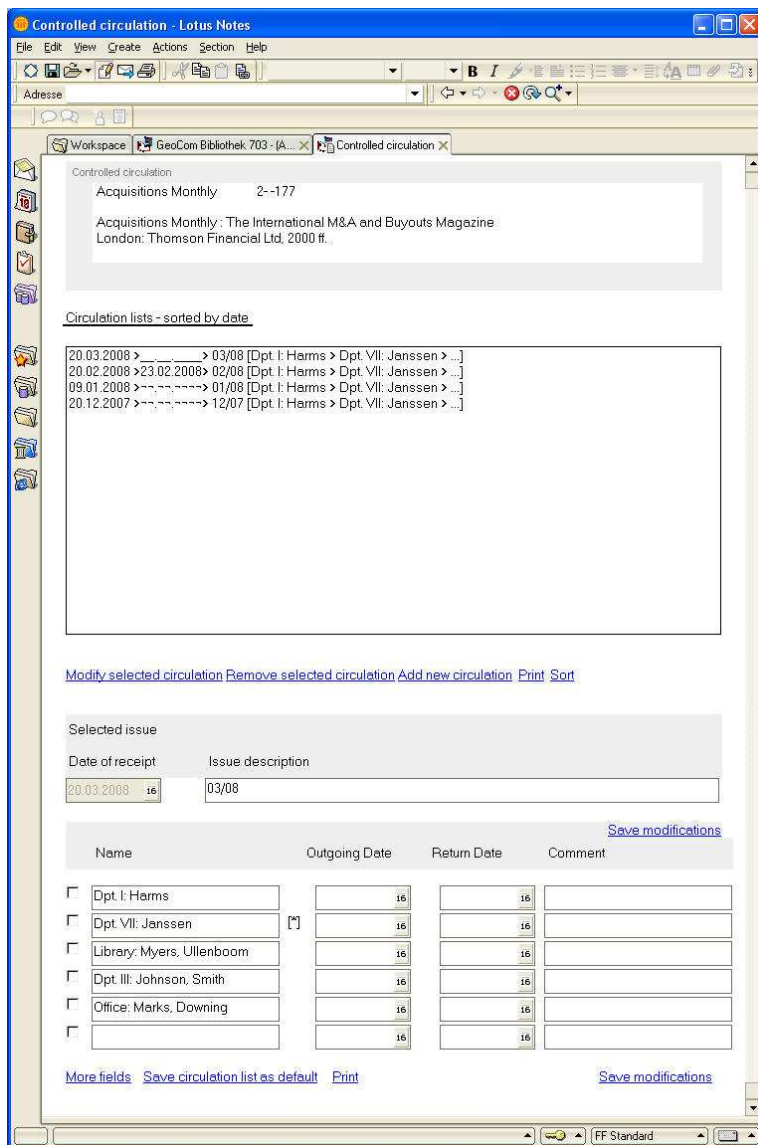


Illustration: Form Controlled circulation

#### 4.2 Print list of circulation entries

The complete list of circulation entries can be prepared for printing now.

[Print](#)

Use the button "Print" to create a statistic document holding all corresponding journal data as well as the complete list of all circulation entries.

This document can be found within view "Administration – 07 Statistic reports" from where it can be further processed and/or printed out.

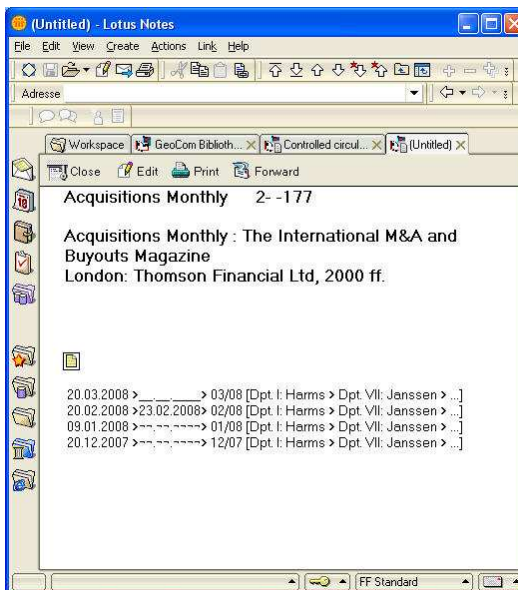


Illustration: List of circulation entries

### 4.3 Change sorting of circulation lists

Up to now the list of circulation entries has automatically been sorted by date of receipt. But sometimes journal issues may not arrive at the library in the correct order.

**Example:** Due to problems during journal delivery, arrival of journal 02/08 (expected 15 February 08) is delayed until 20 March 08. Journal 03/08, however is delivered and catalogued on time on 5 March 08. Thus, 03/08 will be found BEFORE 02/08 within the list of circulation entries.

#### Sort

Using the button "Sort" the sorting of entries can be switched from "by date" to a sorting "by issue description".

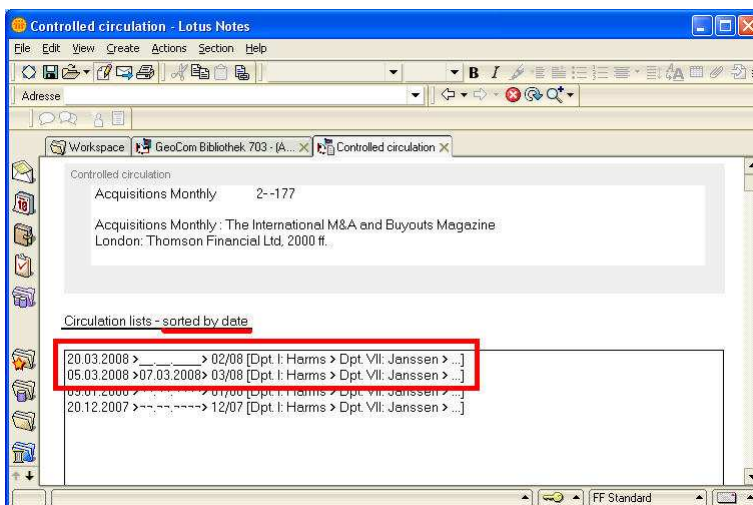


Illustration: Circulation lists by date

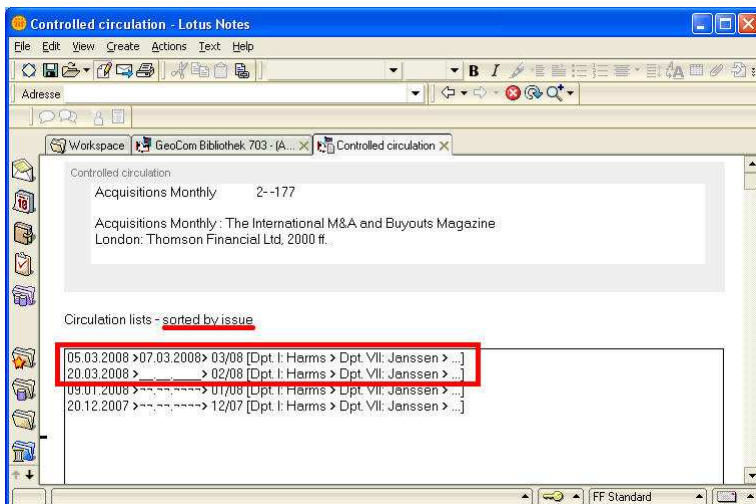


Illustration: Circulation lists by issue description

#### 4.4 New column "Last handout date"

The list of circulation entries now holds a new column showing **the last date the journal has been handed out** to a person or group of the circulation.

When the person or group returns the journal issue to the library, this field will be reset to the placeholder ".\_.\_\_\_\_". This way you can immediately see which issues of a journal are currently in circulation and which ones are residing with the library.

When all circulations for an issue have been processed, the final placeholder "י.י.י.י.י.י" will be inserted into this field to show that no further circulation actions are planned for this issue.

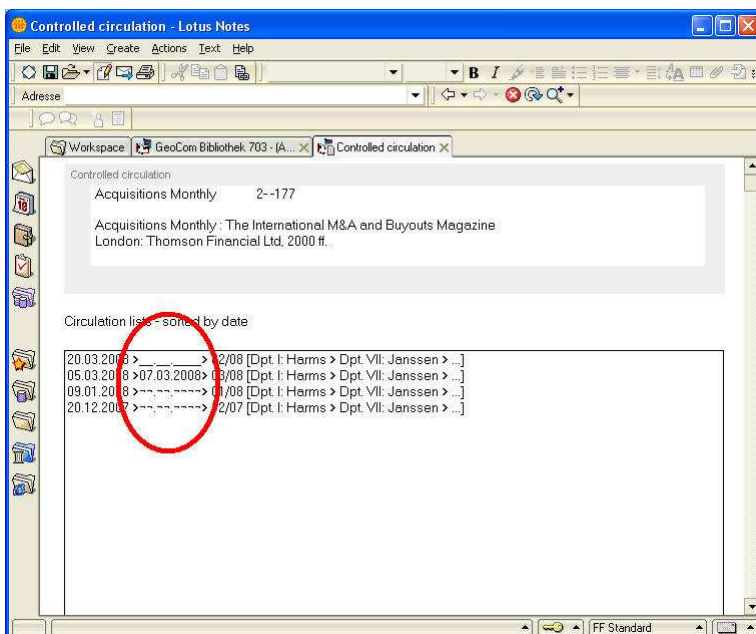


Illustration: Controlled circulation, column "Last handout date"

## 5 Journal and loose-leaf lists by date

Two new actions have been inserted which will create a list of all journals resp. all loose-leaf deliveries within a selected period.

Within the views "Catalogue –06 Special publication types", "Catalogue – 10 Serials" and "Catalogue – 11 Title and copies" two new view actions can be selected:

### Copy data – Journal list by date

### Copy data – Loose-leaf list by date

The view "Administration – 01 Acquisition – e. journal delivery" only holds the journal version of these actions, whereas within "Administration – 01 Acquisition – f. loose-leaf delivery" only the loose-leaf version can be found.

Both actions open the following dialog window:



Illustration: Dialog "Journal / Loose-leaf list by date"

The **Date** fields will automatically be set to the previous month. However, an arbitrary period can be inserted here by entering the desired start and end dates.

The field **Include entries with the following characteristics** can be used to limit the search to copies of certain lending types (e.g. Bibl. lending collection" or "local stock").

Finally you have to select a **template** for this list. Only Notes templates of type "Book list" can be used for this purpose.

The settings for the last two fields will be stored to the application and will be restored when this dialog is opened again for another list.

☛ **Note:** Only those book list templates specially designed for journal or loose-leaf lists should be used for this purpose. Specifically, the new placeholder "ISSUE" should be present within the list, as this is the only way to differentiate multiple deliveries of the same journal (see also 6, Additional placeholders for book lists).

When clicking OK all journal resp. loose-leaf deliveries from the selected period will be determined and displayed according to the selected template. Entries will automatically be sorted by title.

☛ **Note:** In theory, up to 1000 entries can be displayed in this way. You should, however, specify a period that does not produce more than 250 list entries. The reason for this limitation is the maximum number of

table lines within Lotus Notes (which is limited to 255 internally). As soon as the table exceeds 255 rows, the following entries will be stored unformatted at the end of the table.

## 6 Additional placeholders for book lists

Several new placeholders can be used within book list templates now:

**ISSUE** will be replaced by the issue description of the corresponding journal or loose-leaf delivery.

**ISSUE2** will be replaced by a possible "Additional Information", e.g. "journal arrived", "circulating" etc.

These two placeholders are designed for use with booklists of newly arrived journals or loose-leaf issues (see also 5, Journal and loose-leaf lists by date).

Further, **all field names** can now be used as placeholders within templates. Simply add the name of the field at the corresponding place after parameter "FIELDS:".

### Example:

To create a four column table displaying consecutive numbering, title, catalogue serial number (field name <SERIALNO>) and issue description, enter the following as parameter "FIELDS:" into the template:

**FIELDS:NO<>TI<>SERIALNO<>ISSUE**

In connection with the actions "Journal delivery by date" and "Loose-leaf delivery by date", also the placeholders **<FROMDATE>** and **<TODATE>** can be used. These placeholders will be replaced by the selected date settings for this list.

☛ **Note:** Data of start end end date for such lists will not be evaluated for each list entry, but once globally for the whole list. The placeholders **<FROMDATE>** and **<TODATE>** will thus not be added to the parameter "FIELDS:" (like e.g. "ISSUE" will be).

They can be placed at an arbitrary place within the template (excluding the table for the book list), just like the placeholders **<CURRENTDATE>** and **<USERNAME>** can be used.

## 7 OPAC search

Title search via OPAC has been enhanced by several functions.

### 7.1 Performance improvements

Book list creation via OPAC has been sped up by ca. 30% (see also 3, Performance improvements).

## 7.2 Search for empty fields

OPAC search can now be used to identify empty fields within documents. Thus you can e.g. find and repair entries without proper publisher info.

To identify documents with empty fields, first select all the other parameters regarding your search. Connect these settings with "AND NOT" with a search for "\*" (wildcard asterisk) within the corresponding field.

**Example:** You are looking for all books of author James Miller without a publisher entry. Thus, you have to enter the term "Miller, James" into the field "Author(s)" and connect it via "AND NOT" with a wildcard search "\*" within field "Publisher". The result list contains exactly the desired title entries.

Database	BZ 703	search in	
search for	Miller, James	Author(s)	
AND NOT	*	Publisher	
OR		all title fields	

Illustration: OPAC search fields, search for missing publisher info

☛ **Note:** Wildcard search can also be used to identify all non-empty fields. You could e.g. look for all titles disposing of an entry within field "Accompanying material":

Database	BZ 703	search in	
search for	*	Accompanying material	

Illustration: OPAC search fields, titles with "Accompanying material"

## 7.3 Additional search options for librarians

Librarians now dispose of additional search options when using OPAC.

It is now possible to search for the date copies have been assigned to a certain status (e.g. "ordered" etc.). For this purpose the fields "Copy date: catalogued", "Copy date: intend to order" etc. are available.

Additionally, librarians can also search for documents that have been created or modified on (or after, or before) a certain date. For this purpose the fields "Creation date" and "Modification date" are available. E.g. looking for ">1.1.2008" within field "Modified date" will yield all documents (titles and or copies) that have been altered and saved at least once after 1 January 2008.

☛ **Note:** The additional search options are only available for librarians (i.e. user disposing of the role [Librarian]). Normal library users do not dispose of these search functionalities.

## 7.4 Additional index lists

When searching within the fields "Binding status", "Frequency of binding", "Frequency" and "Lending: base status" index lists are now available from which the desired value can be selected directly.

Functionality of these index lists is the same as with the existing index lists (e.g. "Author(s)", "Corporate body" etc.):



Once a search field containing an index list is selected, the pull down button within the field can be used to open the corresponding index list. If an entry is selected and confirmed with OK, it will automatically be adopted into the search field.

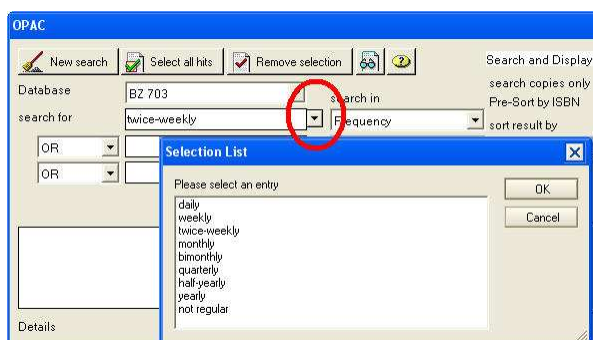


Illustration: OPAC query with index list

## 8 webOPAC

The browser interface webOPAC has been improved and extended by several functions.

### 8.1 Performance improvements

Title search using webOPAC has been sped up by ca. 50% (see also 3, Performance improvements).

### 8.2 Views and navigator

The Notes interface of the webOPAC database has been revised.

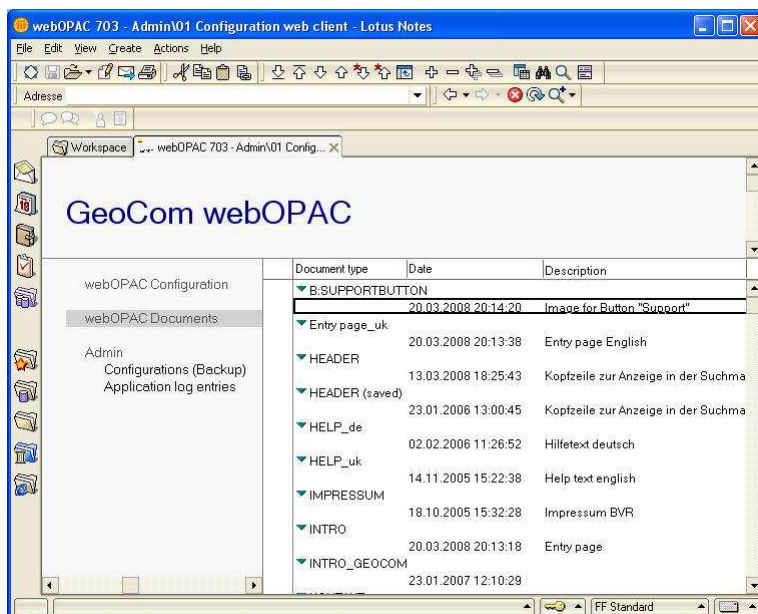


Illustration: webOPAC navigator

### 8.3 No license key required for webOPAC anymore

It is no longer necessary to enter the license key for GeoCom® Library again into the webOPAC configuration.

Instead, the license key will be automatically read from the first configured database within webOPAC configuration.

☛ **Note:** The list of library databases can be specified within the webOPAC configuration document in section "Multiple Database OPAC" within field "Indexed database list".

### 8.4 Configuration of search form

Configuration of the search forms "simple search" and "extended search" has been simplified.

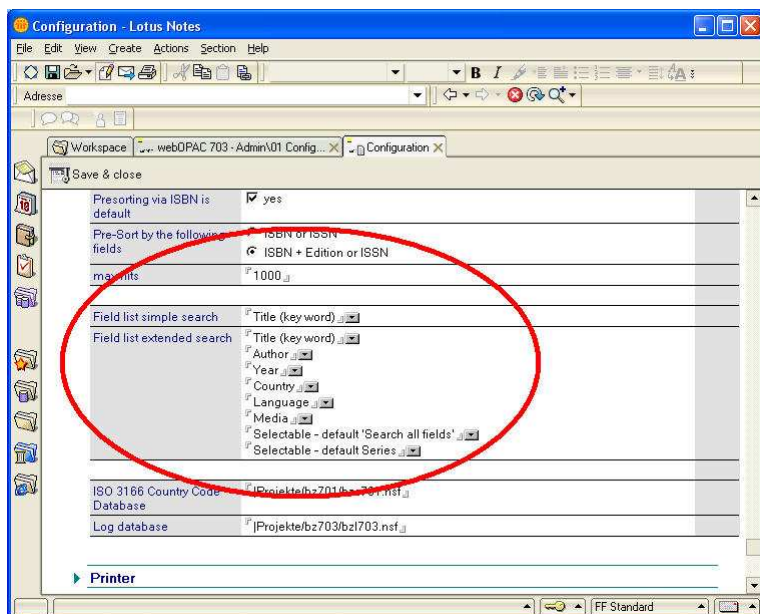


Illustration: Configuration search form

Within the section "Multiple Database OPAC", for each search form the fields that should be displayed can be selected. In case a selection field should be displayed, a default setting can be specified additionally.

➤ **Note:** Field specific indices for selecting possible field values are not available when selecting the search field.

## 8.5 Display of preview images within browser

It is now possible to specify an image for a certain title and display this image within web browser context. This image could e.g. be a photo of the book cover, the content table etc.

Images used must dispose of the format .jpg or .gif and must be present in two versions: A normal (unaltered) version of the image and a preview version. The preview version should not be larger in ca. 100 pixels in width.

The filename for both these files must be the same, but the preview version must dispose of "\_preview" between filename and type ending.

### Example:

- normal version of the image -> **NAME.jpg**
- preview version of the image -> **NAME\_preview.jpg**

Simply replace "NAME" with the corresponding name of the image.



To specify an image for a title entry, add both image files using the "Attachment" button to the field "Content information".

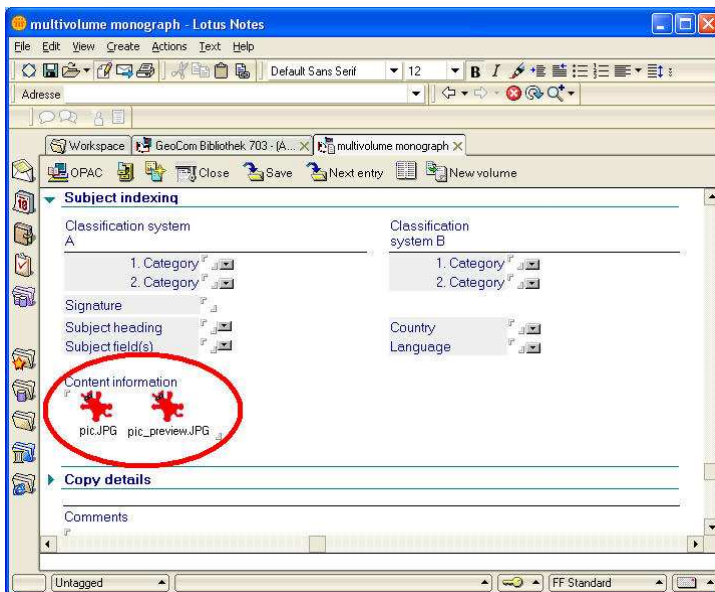


Illustration: Title document with images as attachments

When doing a webOPAC search for the corresponding title, the preview image will be displayed within the result page. Upon clicking this image, the actual image will be displayed in total size.

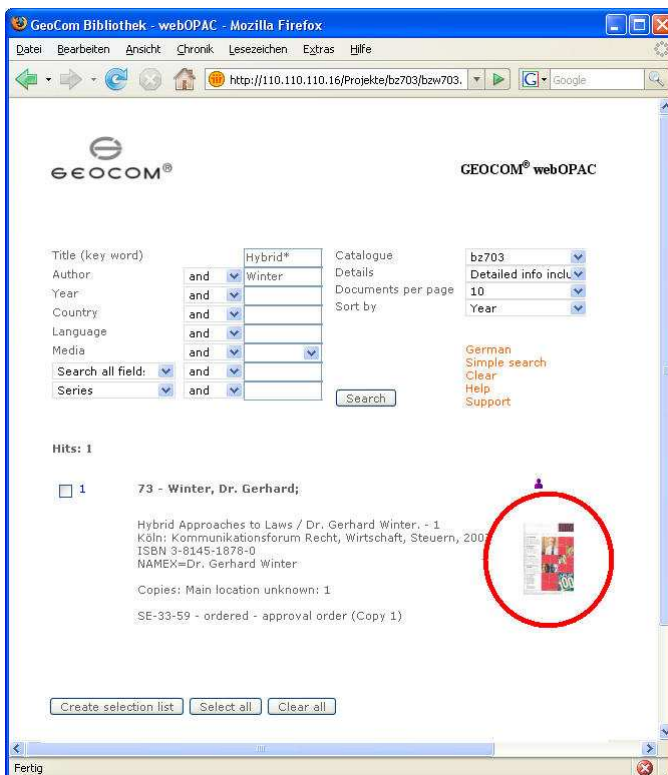


Illustration: webOPAC search result with preview image

## 9 Module for error handling

The module GeoCom® ErrorHandler has been included into GeoCom® Library 7.3 and is automatically used within all application procedures.

GeoCom® ErrorHandling will log all errors occurring at runtime (e.g. malformed or missing configuration entries etc.).

In case of an application error this data can be extracted from a log file and can be used to locate and solve the error.

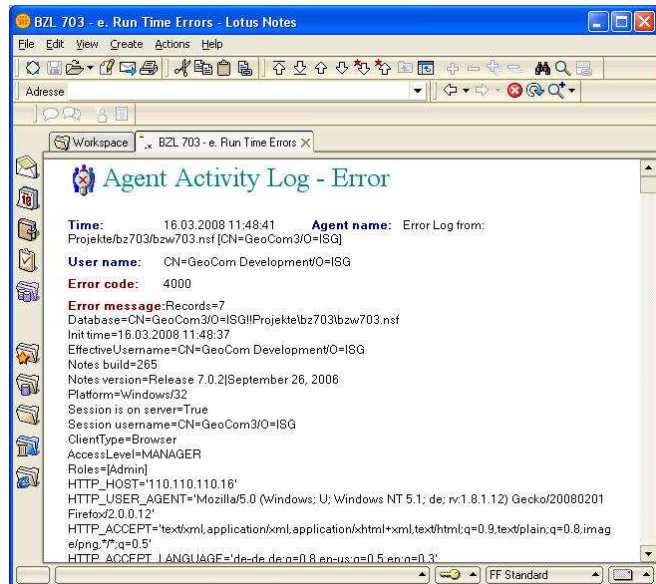


Illustration: Database bz1.nsf, error log