31.03.2016

# RELEASE-NOTES 5.2

## 1. NEW PRODUCTS (NOT PART OF R5.2 BUT AVAILABLE AS ADD-ONS)

A. scopeRC

B. scopeGO!

C. scopeConverter

D. EAD Export Plugins

    i. EAD APEX Export Plugin

    ii. EAD DDB Export Plugin

## 2. MODULES – NEW FEATURES

A. General changes

    i. GUI got a smooth change to match the Windows 10 style

    ii. General user / group access rights where added on the level of UD and this has an influence in all modules which work with UDs

    iii. Database error handling has been completely rewritten

    iv. Data Grid was completely replaced with new technology

    v. Performance of scopeArchiv has been enhanced

    vi. Indexing of AIP (metadata and content of primary data) from Fedora Commons is possible now

    vii. scopeArchiv finds over "full text search" content of primary data of AIP's in the repository (Fedora Commons)

    viii. scopeArchiv has a safer handling of non-breakable errors

    ix. Database structure has been revised

    x. Performance increased for updating Materialized Views

    xi. Password handling was changed, made securer and stricter (configurable):

        *1. User is allowed to enter a wrong password only 5 times, after that the account will be disabled*

        *2. User password is valid for 90 days. Password expiration is checked during each login and the user is informed 30 days before the password expires. After this period (90 days) the account will be disabled if the password was not changed*

        *3. Password must match at least 3 of the following 4 requirements:*

            *a. At least 1 upper case letter*

> - *b. At least 1 lower case letter*
> - *c. At least 1 number*
> - *d. At least 1 special character (which one are specified)*
> 4. *Password must contain at least 8 characters*
> 5. *Password history: The last 10 already used password are not allowed for the new password*
> 6. *Before the user can change his password he must enter his old password (Administrator can reset users password)*

xii.   Search in time periods is now added

xiii.  Fixed some bugs in DROID, refactored it and provided information about the issues back to "The National Archives"

xiv.   Implemented more flexible localization

xv.    Implemented changing of "Filter" button text on some panes to make it more clear that filter is currently set and to make application behavior more consistent

xvi.   Added TBA_OPTN setting for disabling FIRST_ROWS optimization

xvii.  Implementation of Search/Replace in different data element types

xviii. Implemented possibility to search items that contain semicolon (;) in Quick Search dialog

xix.   Added keyboard shortcuts (Alt+PgDown/Alt+PgUp) to show next/previous record's detail view

xx.    Implemented possibility to "Only search in subordinate entries" when "Combine search terms with OR" is activated (Quick Search)

xxi.   Implemented possibility to search only for sub-items, without specifying other search conditions, that might be useful for list view

B.  Accessions

i.   It is now possible to define a custom form (in module forms) which will appear as a tab

C.  Container

i.   It is now possible to define height, length and depth of a container, which is needed to calculate the empty space in a location

ii.  It is now possible to define a custom form (in module forms) which will appear as a tab

iii. Note field is added to the base data

iv.  Implemented corrected behavior with incrementation in module Containers, similar to new UoD creation. Two error messages about new Container creation were corrected to be more understandable

D.  Mandates

i. It is possible to define a custom form (in module forms) which will appear as a tab

## E. Data Elements

i. ISAD(G) text type field changed to a select box type input to avoid different spellings for the same ISAD(G) field name
ii. Data Elements / ISAD(G) mapping tool created for easy mapping
iii. It is now possible to select, which data elements should be possible to display in the list view of the Units of Description module
iv. Added option to enable/disable tool-tips for data elements

## F. Descriptors

i. It is possible to define a custom form (in module forms) which will appear as a tab
ii. Thesaurus paging is added

## G. Documents

i. It is possible to define a custom form (in module forms) which will appear as a tab

## H. Dossiers

i. It is possible to define a custom form (in module forms) which will appear as a tab

## I. Filling Plans

i. It is possible to define a custom form (in module forms) which will appear as a tab

## J. Forms

i. Added support for hierarchical forms

## K. Ingest & Components

i. It is possible to define a custom form (in module forms) which will appear as a tab
ii. Configuration has been simplified in order to easily apply changes to the components
iii. In submission agreements it is now not possible any more to configure the wrong combinations of components
iv. New Dossiers Ingest workflow available, so that manual generation of SIP from dossiers (Akten) is not necessary anymore – it happens automatically
v. Ingest with multiple insert points is now possible
vi. Massively improved the performance of file profiling (digital record object identification)
vii. Increased the performance of File validation and characterization
viii. scopeIngest can work now with multiple database servers and schemas
ix. Error handling has been improved and messages should be clearer now
x. Conversion of MS Office files with Macros possible

| xi. | AIP validation workflow enhanced for more security |
|---|---|
| xii. | Refactored scopeIngest to be asynchronous |
| xiii. | XDOMEA can be used as SIP format (from Fabasoft) |
| xiv. | SIP Creator rewritten |
| xv. | SIP Creator security enhanced, by (under other) prohibiting .htaccess files, securing POST requests against code injection, securing upload directory, prohibiting ".*" files |
| xvi. | Deleting and loading files in SIP-Creator added |
| xvii. | Large files loading in SIP-Creator added |
| xviii. | Preservation action of linked files and of XISADG/PREMIS for the purpose of the update of metadata or conversion of the primary data of AIP is now possible |
| xix. | Proper handling of multiple references of the same file |
| xx. | Integrated the new, scalable scopeConverter product in scopeIngest |
| xxi. | It is now possible to declare the current date as default value for "date of inquiry" in options |
| xxii. | When creating new ingest, default a submission agreement can be configured per user |
| xxiii. | Reports changed due actuality and experience |
| xxiv. | Secured the communication between scopeIngest and scopeArchiv and his components |
| xxv. | Conversion platform was improved with some additional converters, options and validations (CSV, TXT, PDF, etc.) |
| xxvi. | File preservation workflow has been optimized and improved in speed |
| xxvii. | Implemented the automatic increment of the reference code |
| xxviii. | All XPointers in XISAD(G) are now references the object of the XDOMEA-XMLs in PREMIS (and not to the object entries of the other primary files) |
| xxix. | During the preservation workflow the updated XDOMEA-XML is described and referenced in PREMIS-XML as well |
| xxx. | Added the relationship between the new XDOMEA-XML and the one from which it emanates (/object/relationship/) |
| xxxi. | The check of the existence of encrypted files happens now during the systematic validation process and not during AIP generation |
| xxxii. | scopeIngest supports now UNC-path on the base directory on Windows systems as well as on Linux systems (mounting, etc.) |
| xxxiii. | Progress bar while uploading SIP (important uploading big SIP files) |
| xxxiv. | The status of the scopeArchiv client is now refreshed during and after the manual validation process (F5 not needed) |
| xxxv. | Added the possibility to automatically increment the reference code for the unit of description.  It is now possible to configure if leading zeroes should be applied or not |
| xxxvi. | Value of the setting "SIP Mapping Level" is changed to: |

1. *Single level*
   *The AIPs are created on the root level of the content folder of the SIP. Only*

> *the corresponding root-units of description are created (and not the subordinate units of description)*
>
> 2. *Multiple level*
>    *The AIPs are created on the root level of the content folder of the SIP and linked to the corresponding Units of Description. The Units of Description describing the subordinate ArchivalDescriptions are created. The subordinate ArchivalDescription does not contain the links to the AIP*

xxxvii. During the Ingest, the PID of the AIP is written to the data element with the XMLCode="AIP_REFERENCE" for all created units of description (unit of description with link to the AIP and also all subordinate units of description). During the preservation the value of the data element "AIP_REFERENCE" (for the unit of description and all subordinate units) is updated with the PID of the newly created AIP

xxxviii. During the Ingest workflow the reference code of the unit of description is generated. The original reference code (from SIP) is mapped to a data element with the XMLCode = "ORIGINAL_REFERENCE_CODE"

xxxix. Ingest can handle empty dossiers while ingestion

xl. New logging system added to the ingest system

xli. Improvements for workflow log and trace log

xlii. Comprehensive validation of parameter values for XSLT-based components or ingest processes

xliii. Added the possibility to define two different repositories for a preservation action workflow to be able to move AIPs from one repository to another one

xliv. eCH0160 is defined as a standard ingest with the corresponding mapping

xlv. Standardized the file preservation and XISAD(G) for scopeIngest

xlvi. Removed issues with compression formats (ZIP, TAR, JAR) and Unicode file names

xlvii. Refactored XISAD(G)/PREMIS components (uploader, SIP validator, AIP generator, data management, AIP preservation workflow)

xlviii. Added support for multiple ISIL codes

xlix. Rolling logging for Ingest was implemented for better performance and disc memory consumption

l. If Fedora Commons crashes while adding AIP, scopeIngest removes now safely the artifacts from repository

li. Upload SIP component of Ingest got a new tab where it is now possible to choose Dossiers which should be ingested directly

lii. Enhanced the rollback possibility during the ingest process – properly handling the timeout exception from Fedora Commons which occurs during AIP saving

liii. Optimized Ingest when SIP have a huge list of primary files

L. Loans

i. Report "Lending confirmation" was enhanced with the information of the corresponding container and location information in a compact form

ii.    It is possible to define a custom form (in module forms) which will appear as a tab

iii.    In the detail view, lending person and responsible person can be chosen from a drop down list.
In both cases it shows only active users (inactive users are ignored)

iv.    Loan from scopeQuery was simplified so, that an automatic confirmation via email that the loan was received is caused with correct status change

v.    It is possible to configure own status codes using the options dialog

vi.    When an item has returned scopeArchiv checks if it is needed for some else (waiting list). Now also the new user is checked because a lending could be denied to someone (e.g. because user has exceeded his quota)

vii.    Increased SIP upload timeout from 20 minutes to 12 hours

## M. Locations

i.    Empty space is now accurate and calculable

ii.    It is now possible to stack containers – doe to this the calculated empty space is not 100% accurate because the system does not know which containers are stacked, but it is adequate enough to be able to plan the usage of the location

iii.    The content of the notes field is displayed at the tree view

iv.    It is possible to define a custom form (in module forms) which will appear as a tab

v.    In the containers tab now the container type is displayed in the list

vi.    Alphabetic characters for location parameters are now allowed

## N. Objects

i.    It is possible to define a custom form (in module forms) which will appear as a tab

ii.    Search/Replace enhanced for base data

iii.    Type, subtype added to Search/Replace

iv.    Option for autofill of geographical entries (city, community) is added in the options dialog

## O. Partner

i.    It is possible to define a custom form (in module forms) which will appear as a tab

ii.    Menu item to Copy an Address is now disabled when a new partner is being created but in list view no record was active

iii.    Also menu items Multiple update, Archive Address, Multiple update Additional Info, Employee Info, Internet User Info, Cancel Checked Status, set Active Status are disabled in aforementioned situation

iv.    Import address from Clipboard menu Item (from Special Tasks) is disabled when no Partner record is active

v.    Menu items for New Loan and New Reproduction remain enabled in Detail View when no record is active - but the new loan will have an empty borrower and the reproduction will have empty client field

P. Reports

Q. Reproductions

    i.    It is possible to define a custom form (in module forms) which will appear as a tab

R. System Users

    i.    Added New permissions for status change for units of description

    ii.    Added New permissions for changing/setting user/group access rights for units of description

S. Units of Description

    i.    A paging mechanism was implemented for huge forms

    ii.    It can be defined which images should not be showed in scopeQuery even if the unit of description is visible (after the expiration of the term of protection) in scopeQuery

    iii.    A completely new access right management was implemented from scratch. Now it is possible to provide access restrictions to the level of UD (CRUD).
This takes action in all modules, tools, Plug-Ins, etc.

    iv.    Added a new tab with two views  for handling user and group permissions

        1.   *Simple mode*
*it is the common way to set the rights*

        2.   *Expert mode*
*for experts only as it is possible to change inheritance, etc.*

    v.    In addition to tree view, list view and detail view now an image view has been re-implemented. You can look now at the imagery of the units of description

    vi.    List view enhanced with the possibility to add customer specific data elements to the columns

    vii.    It is now possible to minimize the Image view window

    viii.    Audio / Video component has been exchanged with a new one. More formats are recognized now

    ix.    It is possible now to define that units of description must not appear in scopeQuery even if they were allowed to (expired term of protection, etc.)

    x.    If two repositories are defined for preservation action, then the search "in Repositories" will be done in both defined repositories

    xi.    It is possible to define a custom form (in module forms) which will appear as a tab

    xii.    Autosuggestion for data elements is possible to activate if wished (options)

    xiii.    Tooltips can be switched off if wished (options)

    xiv.    Accumulate function was refactored and has now a better performance

    xv.    Fixed a crash that happened in some situations during drag-and-drop in tree view (when dragging something useless on it)

    xvi.    Implemented tree's root element selection when starting UoD module from tree view (avoiding automatic synchronization with list view)

    xvii.    Added new permission for changing only own UoD Closed status

## 3. INTERFACES, SERVICES, ASSISTANT APPLICATIONS, PLUGINS

A. File-Watcher Service

    i.   Technically redesigned to take care about the shortcomings of Microsoft OS solution for network watch service – scope made a better approach to be able to monitor directories for file changes (move, delete and rename) more accurate and faster

B. Finding Aid Assistant

    i.   Completely rewritten from scratch in C# and .NET

    ii.  We removed the limitation of a fixed amount (8) of custom data elements – now it is unlimited and dynamic

    iii. Manual entry of path information now possible (not just per mouse)

    iv.  TIFF file for the finding aid scanned paper is not needed anymore

    v.   It is possible now to define units of description which should not be shown in scopeQuery even if they were allowed (expired term of protection, etc.)

C. Image-Assistant

    i.   Dialog now resizable

    ii.  Manual entry of path information now possible (not just per mouse)

    iii. If the temporary created files are not linked to the scopeArchiv tab, they will be deleted after copying them into the scope data base

    iv.  Barcode scanning and TWAIN integration improved

D. OAI-PMH

    i.   Service can deliver EAD XML in addition of Dublin Core XML

E. Query

    i.   Now it is possible to disable descriptors to be displayed in detail view (per configuration)

    ii.  Social media integration added (configurable). It is possible now to share details of units of description on social media platforms

    iii. Handling of hierarchical forms added

    iv.  It is possible now to define units of description which should not be shown in scopeQuery even if they were allowed (expired term of protection, etc.)

    v.   Images, which are marked in scopeArchiv to not to be displayed in scopeQuery will not be available in scopeQuery (copyright issues or others)

    vi.  Passing user data in SAML 2.0
Certain portal functions are implemented by systems that are separate from the portal itself. If a user who is logged in to the portal navigates to such a system, the portal passes their login data to avoid having to log in again. This happens in the following cases:

1. *Going from the portal menu to the scopeQuery search interface of an archive*
2. *Going from a record of the federated search hit list to scopeQuery, with additional record-specific data*
   a. *If it is a record of scopeArchiv, the ItemId value contains the record identifier and scopeQuery displays the record's details page*
   b. *If the record is not in scopeArchiv, scopeQuery displays the free text request form, populated with the value in the Shopping cart field*
3. *Propagating a password change. This is a web service operation without a user interface*

vii. Query supports SVG format

## F. Query Data Transfer Service

i. It is possible now to define UDs which should not be shown in scopeQuery even if they were allowed (expired term of protection, etc.)

## G. Query File Publisher

i. It is possible now to define UDs which should not be shown in scopeQuery even if they were allowed (expired term of protection, etc.)

## H. Query Sync Service

i. Was partially rewritten and technically enhanced. Now it is faster, more reliable and robust

ii. It is possible now to define UDs which should not be shown in scopeQuery even if they were allowed (expired term of protection, etc.)

iii. It will not launch if the customer database does not have the option that this is internet DB

iv. It has a script that during first synchronization will make initial DB configuration

v. Configuration was changed due different changes in the database

vi. If an image was declared excluded from scopeQuery, it will not be synchronized to the internet database

## I. SRU

i. Enhanced with the information, if "Digitalisate" are available or not. This is shown in the result list as "Digital" icon on the Archives Online website

## J. Transfer Assistant

i. Now available for Arabic viewers in right to left design

ii. Manual entry of path information now possible (not just per mouse)

## 4. DEFECTS

### A. General

i. If TNS_Admin was set in "Environment Variables", then scopeArchiv client did not work with Ingest Server. This is fixed now

ii. In scopeArchiv the search can be initiated by pressing the return key

iii. Excel Export Plug-In had sometimes problems with large lists. Plug-In has been refactored completely to work with large lists

iv. FileWatcher had problems when watching changes over the network. This was due to an architectural issue on Microsoft Windows (buffer overflow is still an issue in Windows 10, too). Some workarounds where implemented to be able to catch errors due to such network restriction.
This should work now with NetApp systems

v. Date time format was not always the same through all modules

vi. In input text fields it was not possible to jump word wise with CTRL+Arrow keys

vii. Selecting words with SHIFT+CTRL+Arrow keys works again

viii. Default permissions for guest user were blank and therefore a guest could not see anything

ix. Passwords with umlauts did not work properly with Plug-Ins

x. Selected sort column in list view can now be removed from column

xi. In rare situations scopeQuery created wrong PDF with more than one image

xii. When route was not set correctly on scopeQuery Server, a wrong URL was displayed in the PDF report

xiii. "Search/Replace" with the option "End of the field content" in "Special Tasks" replaces all occurrences of the search string and not only the ones in the end – fixed now

xiv. Word Template Plug-In issue with Windows 8.1 has been solved

xv. If the user changes his password and works without logging back again, at some point user is locked by data base

xvi. Template for European addresses is corrected

xvii. Tooltip of an arrow had a wrong short cut explained

xviii. Option "Use tree view as startup view for UDs" is enabled again

xix. Added time portion to events date field if corresponding field type is specified in the database

xx. Force to display ODBC error info in case if error text is not provided

xxi. Fixed bug in global log file generation. Implemented possibility to create crash log separately instead of sending it by mail

xxii. Filter button on Documents pane now looks "pressed" when filter is set

xxiii. Implemented more detail trace output and possibility to disable trace log

xxiv. Added ID-No field to Options->Systemwerte->Ereignisse/Aktivitaeten->Kategorien dialogs

xxv. Added tray selection possibility and possibility to select duplex mode when printing Crystal Reports

| xxvi. | RTL mode calendar dropdown window is aligned by left border of edit field, not by right |
|---|---|
| xxvii. | Fix problem with CrystalReports Export to RTF and Excel formats |
| xxviii. | Fix bug with incorrect "End of protection" date |
| xxix. | Modified VAT (MWST) data loading (possible fix for crash in invoice options dialog) |
| xxx. | Fixed "Server busy" problem for "Edit before send" message in Outlook 2010 on Windows 7 |
| xxxi. | Fixed redundant separators in pop-up context menu of tree view for non-privileged users |
| xxxii. | Fixed problem with displaying Unicode text in record info dialog |
| xxxiii. | Provided correct German text for "Data Management" |
| xxxiv. | Multiple update of data elements lists now all data elements which appear on any form available for current module (not only for the forms that are currently selected for the records being updated) |
| xxxv. | Fixed problem with startup delay on the machines that have "fake" internet connection |
| xxxvi. | Fixed crash that happened if the invoice options dialog was open without the reproductions module being installed |
| xxxvii. | Some settings for Quick Search dialog are now stored in registry in binary form to eliminate problems with export/import of user profile (desktop virtualization) |
| xxxviii. | Fixed crash when the invoice options dialog was reopened after another dialog's opening (without the reproductions module being installed) |
| xxxix. | Rewritten word-break procedure for RichEdit controls due to incorrect word selection behavior with German Unicode characters |
| xl. | Fixed problem with not working option "Use tree view as startup view for units of description" |
| xli. | Modification date check when loading a record has been removed. It is enough to check it before saving the record |
| xlii. | Solved bug with cut-paste in tree view (units of description Filing Plans, Descriptors) when trying to paste the item to another page, or cut the same item again |
| xliii. | Fixed some bugs with paging in tree view of Units of description, Filing Plans and Descriptors modules, including problems with cut-paste, multiple update, moving up/down the tree, selecting items, page refreshing |
| xliv. | Fixed a problem when searching in a subtree for an item that has not an unique title |

B. Accessions

C. Codes

    i. Fixed bug which showed up when deleting codes

## D. Containers

i. When someone tried to delete a container which has linked with lent units of description, the error message was misleading and too general

ii. Text length in text controls were not properly checking and the user got an error message

iii. Unnecessary and confusing warning messages were removed when adding container as series

iv. Added an error message, when deleting a container linked to an active loan

## E. Data Elements

i. The context menu item "Switch to" in the form tree view did not work for data elements without ISAD(G) –Code

ii. URL data element was incorrectly handling URLs containing %20, %3D, %22 etc. which lead to problem when using the link from scopeArchiv. The site did not open properly due to the confusion with special characters. The handling of URL was refactored completely

iii. Solved crash for data element hyperlink. Now dialog for hyperlink editing may be opened when hyperlink is empty

iv. Fixed a bug - URLs stored in web link data elements get converted. The current solution also has following behavior: The URLs stored in the database are always escaped, while in the editing dialog the URL is always displayed unscaled (just some special characters are escaped)

## F. Descriptors

i. Fixed a bug concerning the paging functionality

ii. Enabled paging in tree view and optimized performance to not load all records when a page is loaded

iii. Implemented partial loading of sub items for the Descriptors tree view. This improves performance and fixes problems with loading a large amount of subordinate items

## G. Documents

i. Fixed a problem in the modules Partners and Documents with exporting addresses with Unicode characters into Microsoft word

## H. Dossiers

## I. Forms

i. The context menu item "Switch to" in the form tree view did not work for data elements without ISAD(G) –code

## J. Ingest & Components

i. Fixing problems with AIP preservation when the parent unit of description is used in upload dialog

ii. Fixing a bug during AIP preservation if multiple AIPs contain a file with the same name

iii. Solving a problem of schema location in XISAD(G)/PREMIS workflow

iv. Different XDOMEA warnings fixed

v. XDOMEA - The value of the following elements are now mapped correctly (or mapped at all):

   1. *xdomea:Aussonderung.Aussonderung.0503/xdomea:Schriftgutobjekt/xdomea:Akte/xdomea:Laufzeit/xdomea/Beginn*

   2. *xdomea:Aussonderung.Aussonderung.0503/xdomea:Schriftgutobjekt/xdomea:Akte/xdomea:Laufzeit/xdomea/Ende*

vi. Corrected behavior in XDOMEA mapping, when one of the dates (FromDate or ToDate) is missing. XISADG does not allow single date entries in some cases

vii. Reference numbering for 'XDOMEA Vorgang' part was corrected – numbering was not accurate

viii. If the eCH-0160 element ‚systemBeschreibung' does not have a value then the ‚isadg:archivalHistory' – element is now omitted (happened in some cases and produced an error about empty entries not being allowed)

ix. If a primary data file was converted during the AIP-generation then both the original file and the converted file could not be viewed on the DIP-Viewer – this is now working correctly

x. Farbraum from EXIF is now mapped into PREMIS

xi. File preservation did not check if the file is allowed to be ingested – now a warning appears if a file format is not allowed (defined in submission agreement)

xii. ISIL code is taken from the Ingest subtype and not from the consigning org subtype

xiii. If old SIP is changed by the SIP Creator and during this action some changes like deleting a file or add another one, where made then the created SIP was not valid → The problem was that the metadat.xml was taken in consideration while generating checksum

xiv. scopeIngest seemed to lock different DB objects when it was not correctly terminated

xv. Files are now removed from the working folder of the SIP Creator

xvi. Fix for missing files tab in the Units of description and Ingest modules (if user has the 'units of description archivist' role, then he should see the file tab)

xvii. Fixed a heap corruption bug in different situations in Ingest module

xviii. Fixed a conflict in the registry settings for the units of description search dialog for Ingest insertion point and units of description search dialog for SIP from AIP/Files upload dialog

xix. Fixed a bug which blocked the enabling of the preservation action option for the submission agreement

K.  Loans

L.  Locations

    i.    Fixed an unhandled exception error in the Locations tree view

M.  Mandates

N.  Objects

    i.    Field in Objects module should not be mandatory

O.  Partners

    i.    Sometimes adding a new event in the tab was not working

    ii.    When selecting more than 21 Partners out of list view and trying to use "Send/Correspond" this caused some glitches with the partner-label template

    iii.    Fixed a heap corruption problem when pressing "Edit" button in Partner options dialog

    iv.    Fixed a crash that occurred during opening Options->System values->Partners->Salutations dialog

    v.    Fixed a problem in modules Partners and Documents with exporting addresses with Unicode characters into Word

P.  Reports

Q.  System Users

R.  Units of Description

    i.    In rare situations scopeArchiv had problems with opening primary data from the AIP tab – this is refactored now

    ii.    When search word is at the end of a text field the word was not highlighted

    iii.    Switching from Full Text Search to Quick Search did not disable the highlight button

    iv.    If you double click on a word to select it, everything is correctly marked except if the next word begins with an umlaut (Ö, Ä, Ü)

    v.    Improved the performance when in tree view the menu item "Reduce" or "Cancel Reduction" was used

    vi.    scopeArchiv showed a wrong warning message right after loading a forms content when date time format had changed and some closed UDs had the old format

    vii.    If the paging functionality is activated the copy of units of description used the wrong insertion point

    viii.    If paging functionality is activated and a multiple update was performed, the range of the displayed item was increased by 50

    ix.    It was not possible to extend the dictionary

    x.    In tree view clicking on an items title had not the same effect as clicking on the (+) of this item. This is now adapted

    xi.    Fixed a problem with the context menu in edit fields

xii. Implemented the possibility to have a time portion in date edit fields

xiii. Fixed a bug with displaying SVG images in 16-bit color mode

xiv. Fix for missing files tab in the Units of description and Ingest modules (if user has the 'units of description archivist' role, then he should see the file tab)

xv. Fixed a bug with status change for subordinate units of description if ORACLE client 11.2.0.3 is used

xvi. Fixed a problem with changing ones own checked-out unit of description status

xvii. Fixed search results highlighting problem, when search word is at the end of the data element

xviii. Fixed a problem with highlight button automatic disabling in quick search

xix. Fixed a bug: when the loading of a unit of description was canceled after some modification date check, the system raised some incorrect dates formatting error for closed units of description

xx. Fixed ctrl+arrow (left/right) behavior in text fields of detail view

xxi. In situations (when the record info contained no user info because the given user had been deleted), it was decided to show ODBC error only in debug mode

xxii. Fixed a problem with searching in the subtree of an item that has no unique title

xxiii.