DSpace JSPUI Reborn

Presented by:
Susanna Mornati, s.mornati@cineca.it
IT Solutions for Institutional Research Dept., Head
Cineca, ITALY

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This work is the result of the DSpace Team lead by Andrea Bollini at Cineca

Open Repositories, Helsinki
2014, June 9-13

This presentation is about…

- User experience improvements available with DSpace 4
- Available for the JSPUI, which is our favourite UI
- Some of them available for the XMLUI
- Comparison of JSPUI and XMLUI to help you choose which UI better fits your requirements

The big one: JSPUI redesign

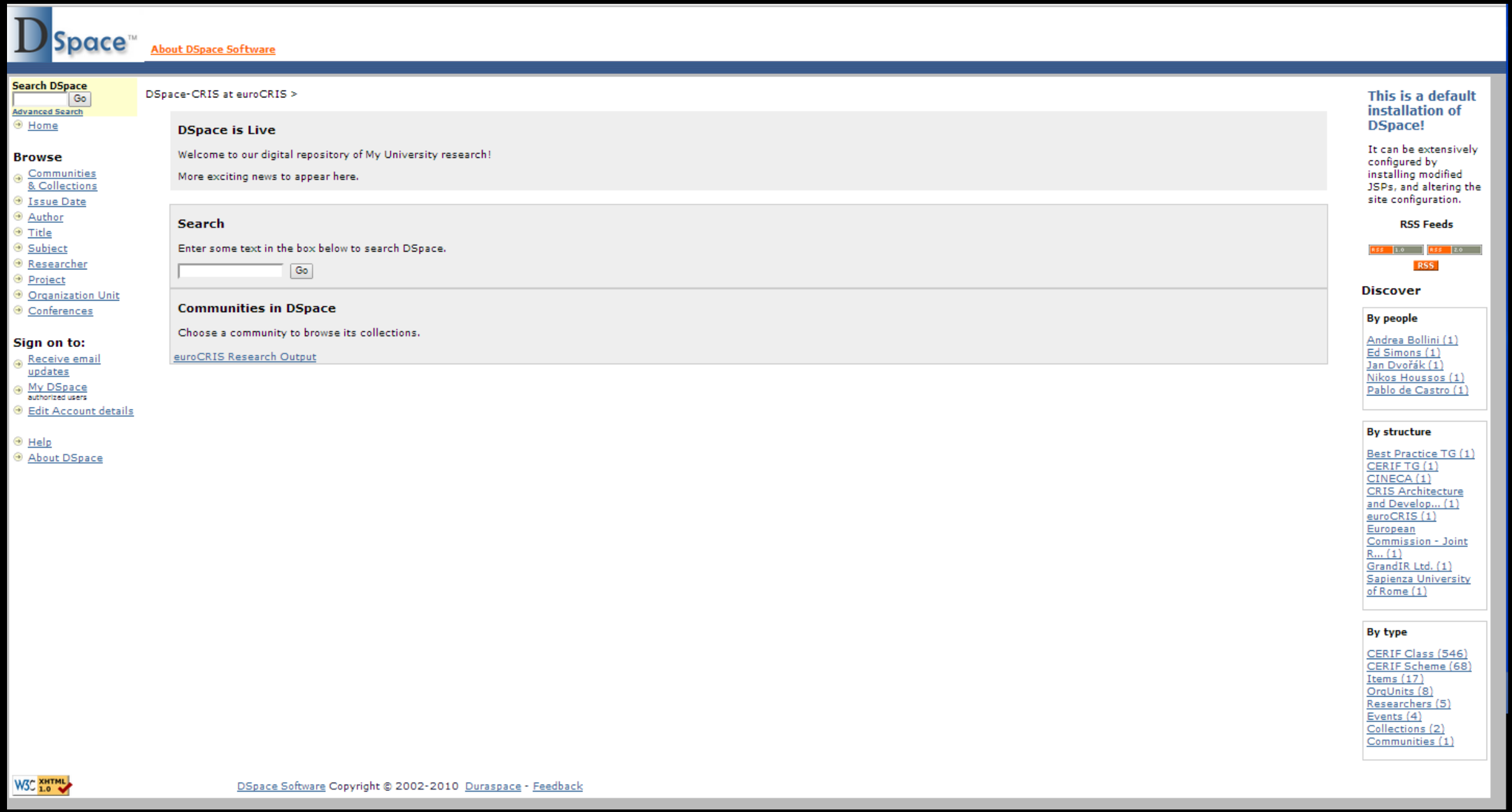
Clean and modern look & feel

Contributed to the community by Cineca

Built with professional CSS Frameworks: Bootstrap 3 + JQueryUI 1.10

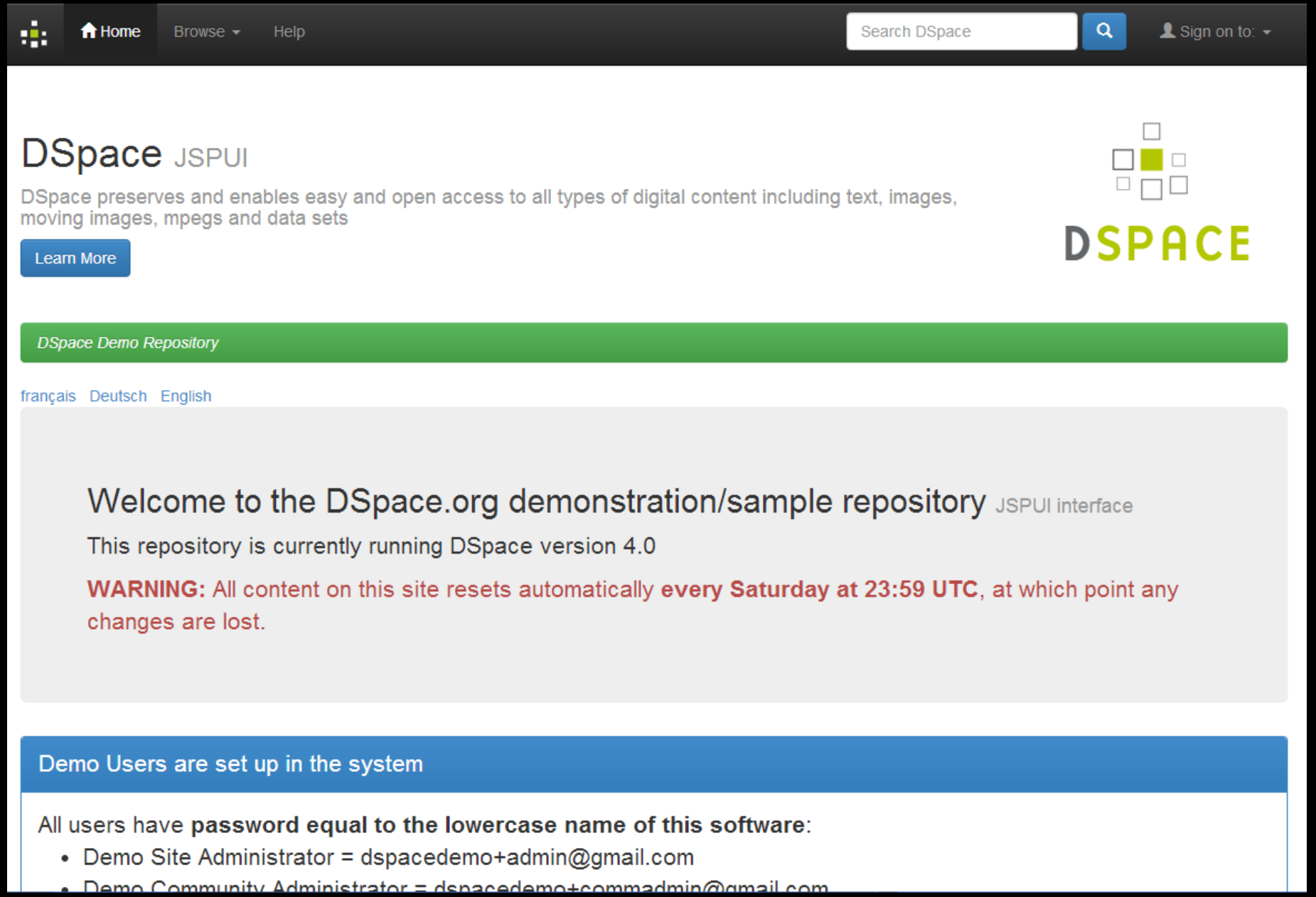
Theme by

…how JSPUI looked before 4.0

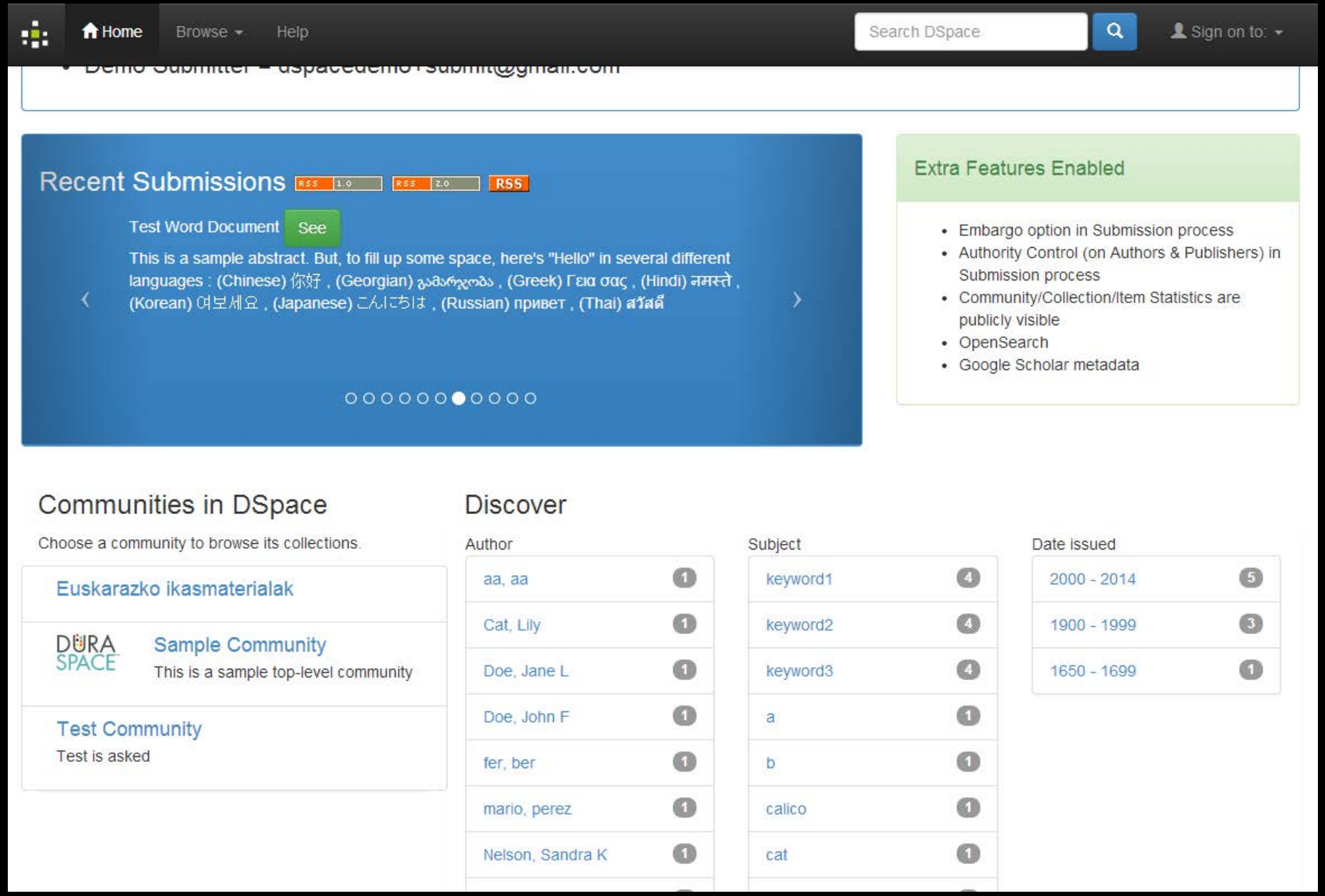

DSpace
About DSpace Software
Search DSpace
Go
Advanced Search
Home
Browse
Communities & Collections
Issue Date
Author
Title
Subject
Researcher
Project
Organization Unit
Conferences
Sign on to:
Receive email updates
My DSpace
authorized users
Edit Account details
Help
About DSpace
DSpace-CRIS at euroCRIS >
DSpace is Live
Welcome to our digital repository of My University research!
More exciting news to appear here.
Search
Enter some text in the box below to search DSpace.
Go
Communities in DSpace
Choose a community to browse its collections.
euroCRIS Research Output
This is a default installation of DSpace!
It can be extensively configured by installing modified JSPs, and altering the site configuration.
RSS Feeds
RSS
Discover
By people
Andrea Bollini (1)
Ed Simons (1)
Jan Dvořák (1)
Nikos Houssos (1)
Pablo de Castro (1)
By structure
Best Practice TG (1)
CERIF TG (1)
CINECA (1)
CRIS Architecture and Develop... (1)
euroCRIS (1)
European Commission - Joint R... (1)
GrandIR Ltd. (1)
Sapienza University of Rome (1)
By type
CERIF Class (546)
CERIF Scheme (68)
Items (17)
OrgUnits (8)
Researchers (5)
Events (4)
Collections (2)
Communities (1)
DSpace Software Copyright © 2002-2010 Duraspace - Feedback

How JSPUI looks now!

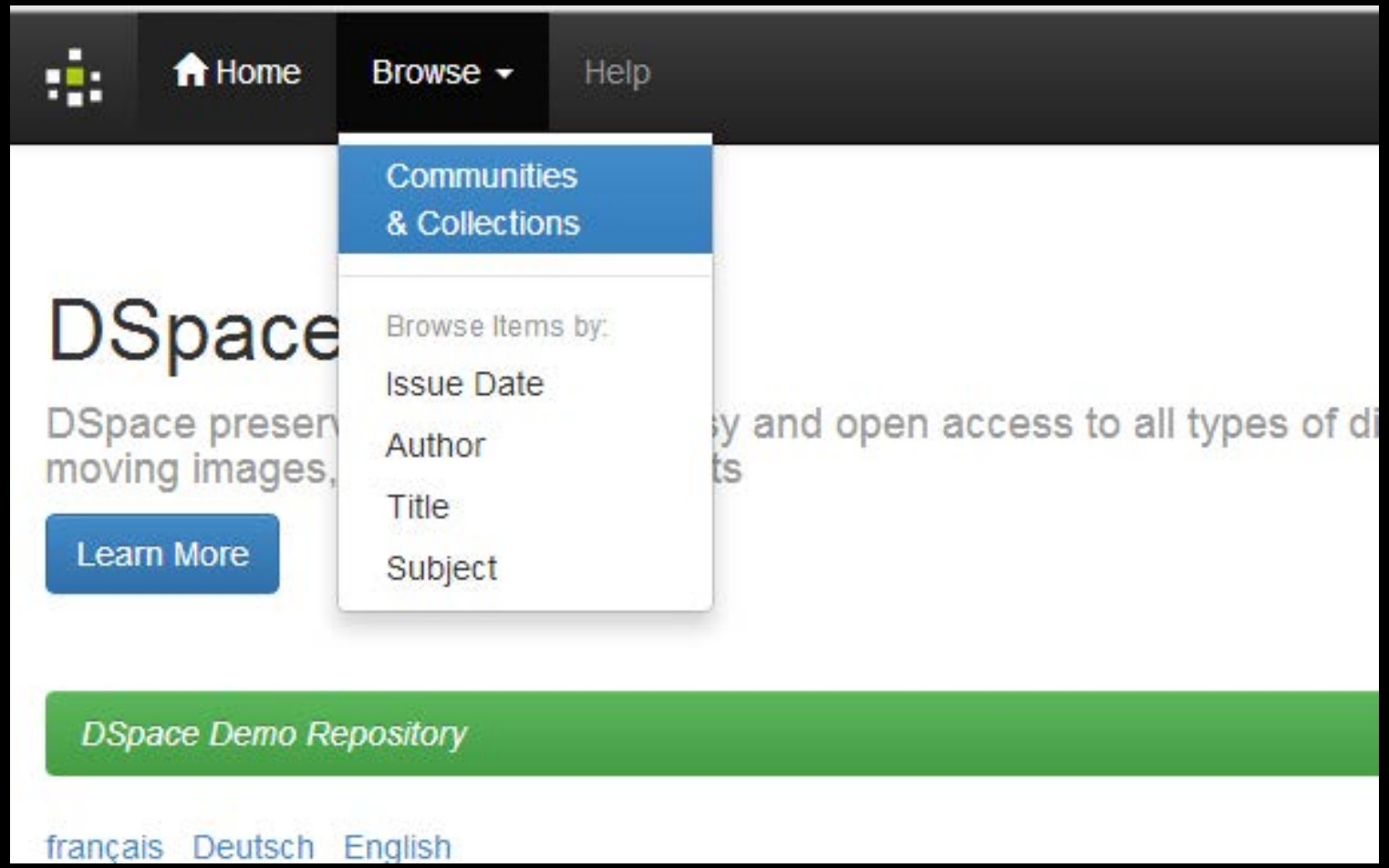
Home page


Home
Browse
Help
Search DSpace
Sign on to:
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
DSPACE
DSpace Demo Repository
français Deutsch English
Welcome to the DSpace.org demonstration/sample repository JSPUI interface
This repository is currently running DSpace version 4.0
WARNING: All content on this site resets automatically every Saturday at 23:59 UTC, at which point any changes are lost.
Demo Users are set up in the system
All users have password equal to the lowercase name of this software:
• Demo Site Administrator = dspacedemo+admin@gmail.com

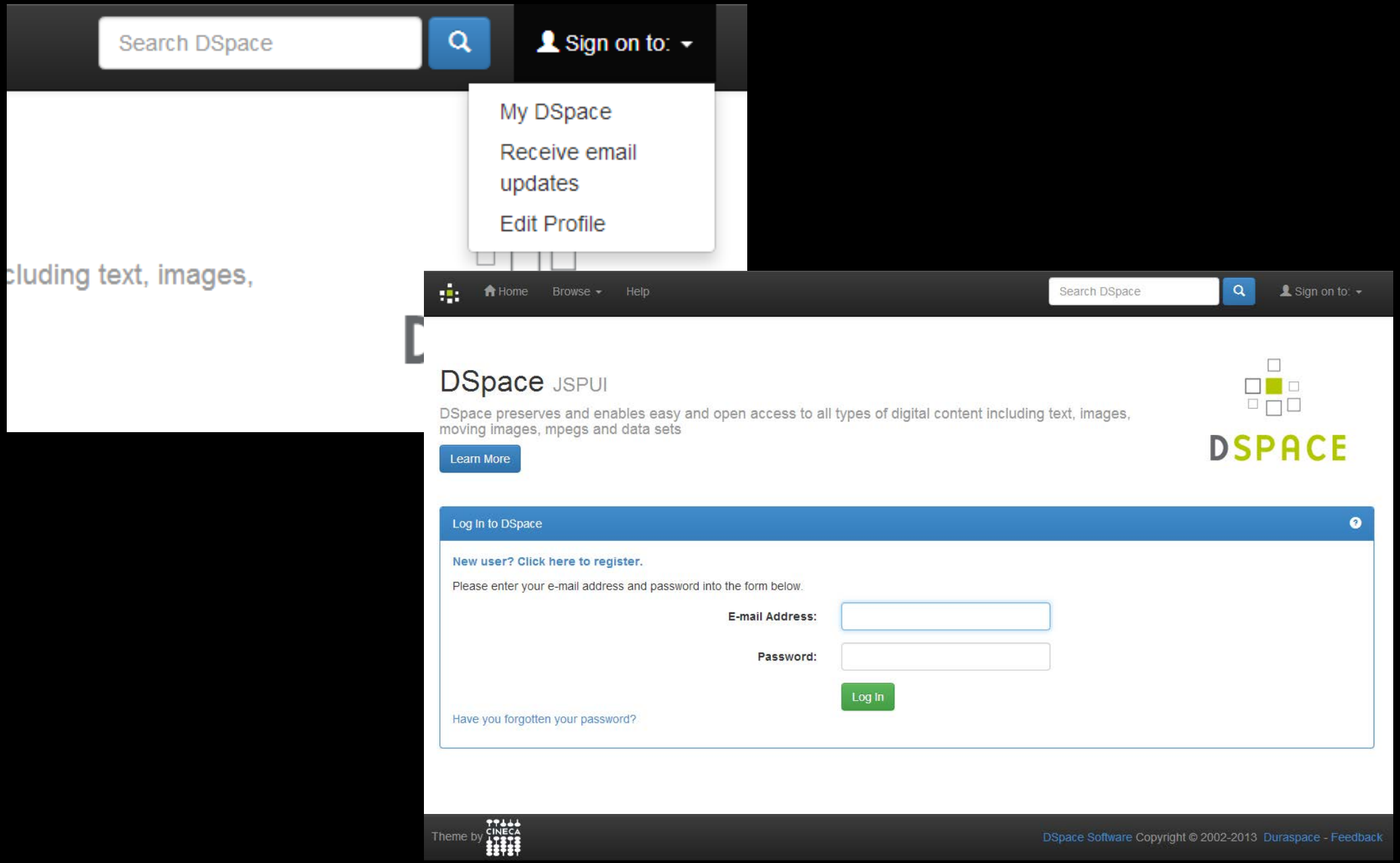
Home page


Home
Browse
Help
Search DSpace
Sign on to:
Recent Submissions
RSS 1.0
RSS 2.0
RSS
Test Word Document
See
This is a sample abstract. But, to fill up some space, here's "Hello" in several different languages : (Chinese) 你好 , (Georgian) გამარჯობა , (Greek) Γεια σας , (Hindi) नमस्ते , (Korean) 여보세요 , (Japanese) こんにちは , (Russian) привет , (Thai) สวัสดี
Extra Features Enabled
Embargo option in Submission process
Authority Control (on Authors & Publishers) in Submission process
Community/Collection/Item Statistics are publicly visible
OpenSearch
Google Scholar metadata
Communities in DSpace
Choose a community to browse its collections.
Euskarazko ikasmaterialak
Sample Community
This is a sample top-level community
Test Community
Test is asked
Discover
Author
aa, aa 1
Cat, Lily 1
Doe, Jane L 1
Doe, John F 1
fer, ber 1
mario, perez 1
Nelson, Sandra K 1
Subject
keyword1 4
keyword2 4
keyword3 4
a 1
b 1
calico 1
cat 1
Date issued
2000 - 2014 5
1900 - 1999 3
1650 - 1699 1

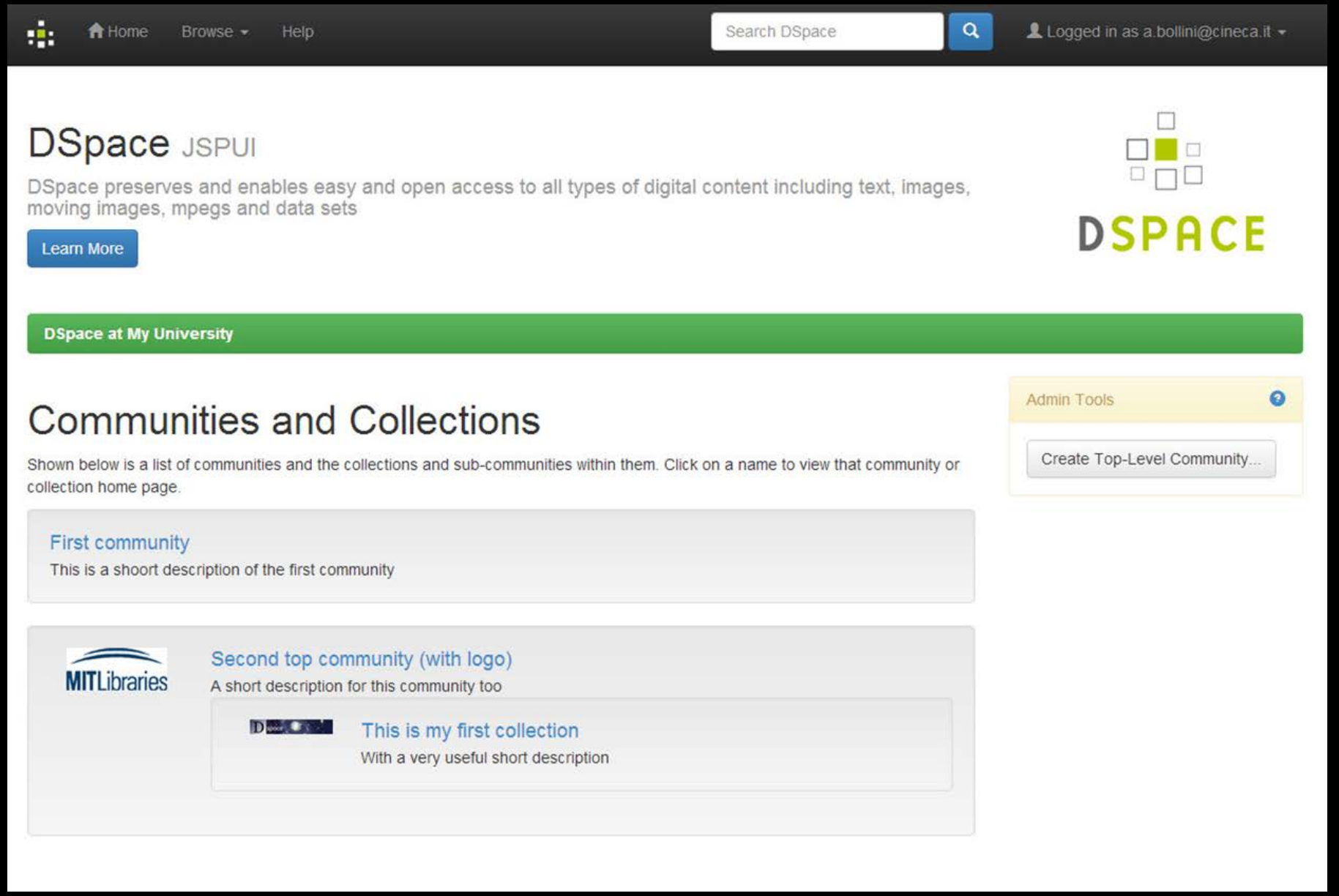
Public navigation



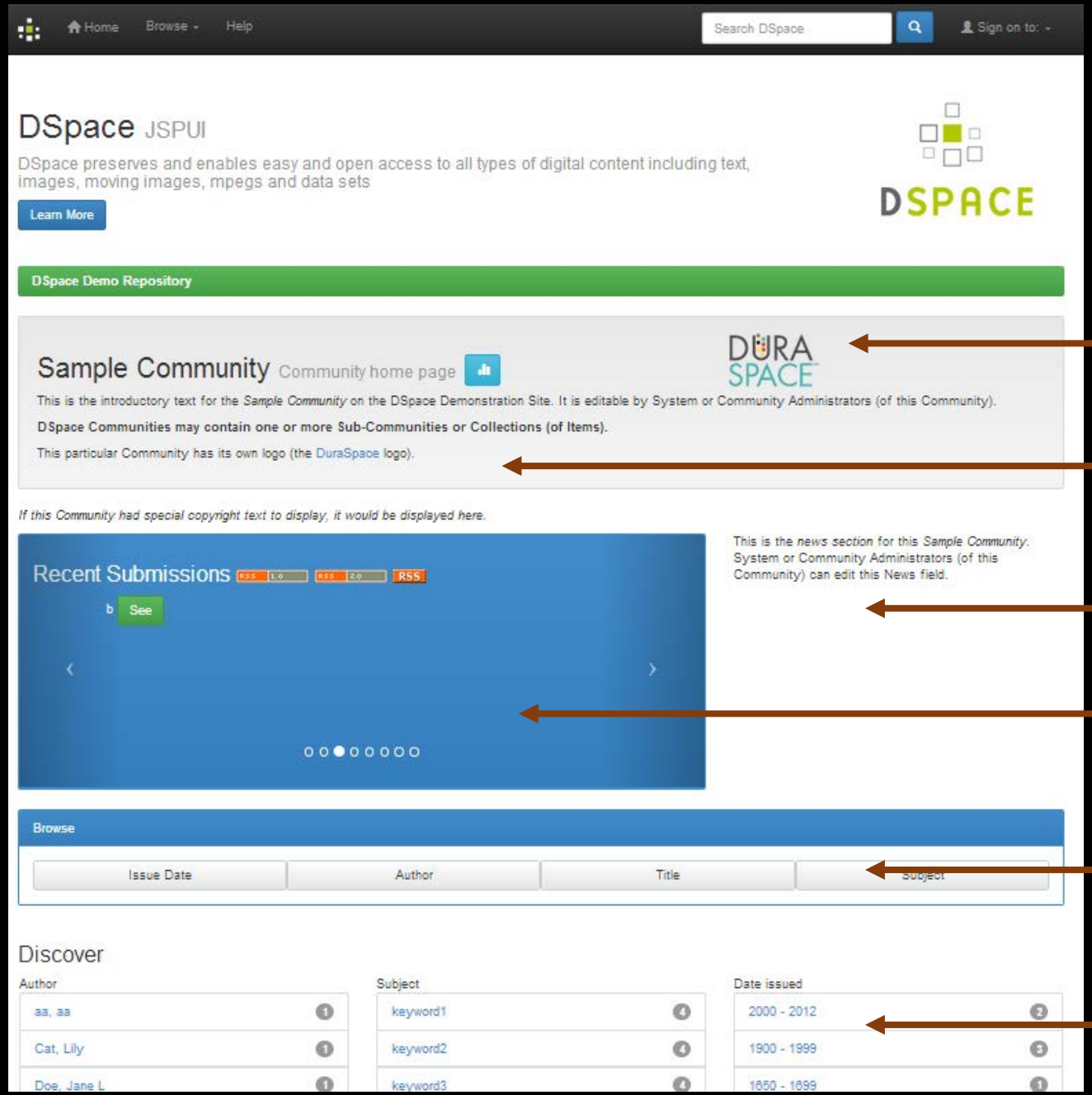
User menu


Search DSpace
Sign on to:
My DSpace
Receive email updates
Edit Profile
cluding text, images,
Home
Browse
Help
Search DSpace
Sign on to:
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
DSPACE
Log In to DSpace
New user? Click here to register.
Please enter your e-mail address and password into the form below.
E-mail Address:
Password:
Log In
Have you forgotten your password?
Theme by CINECA
DSpace Software Copyright © 2002-2013 Duraspace - Feedback

Community list



Community home page



Community logo

Introductory text

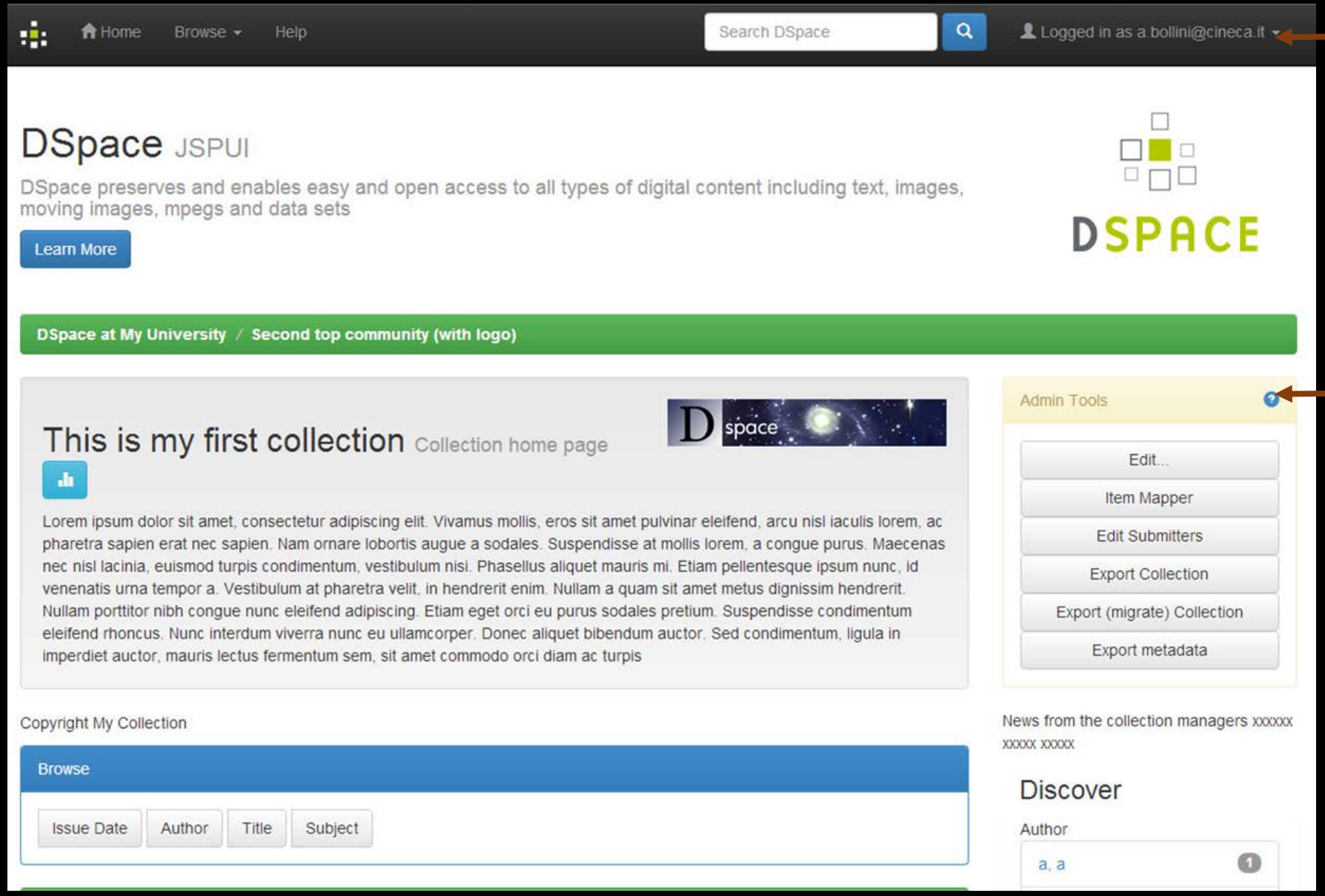
Side news

Recent submission component

Community browse

Community facet

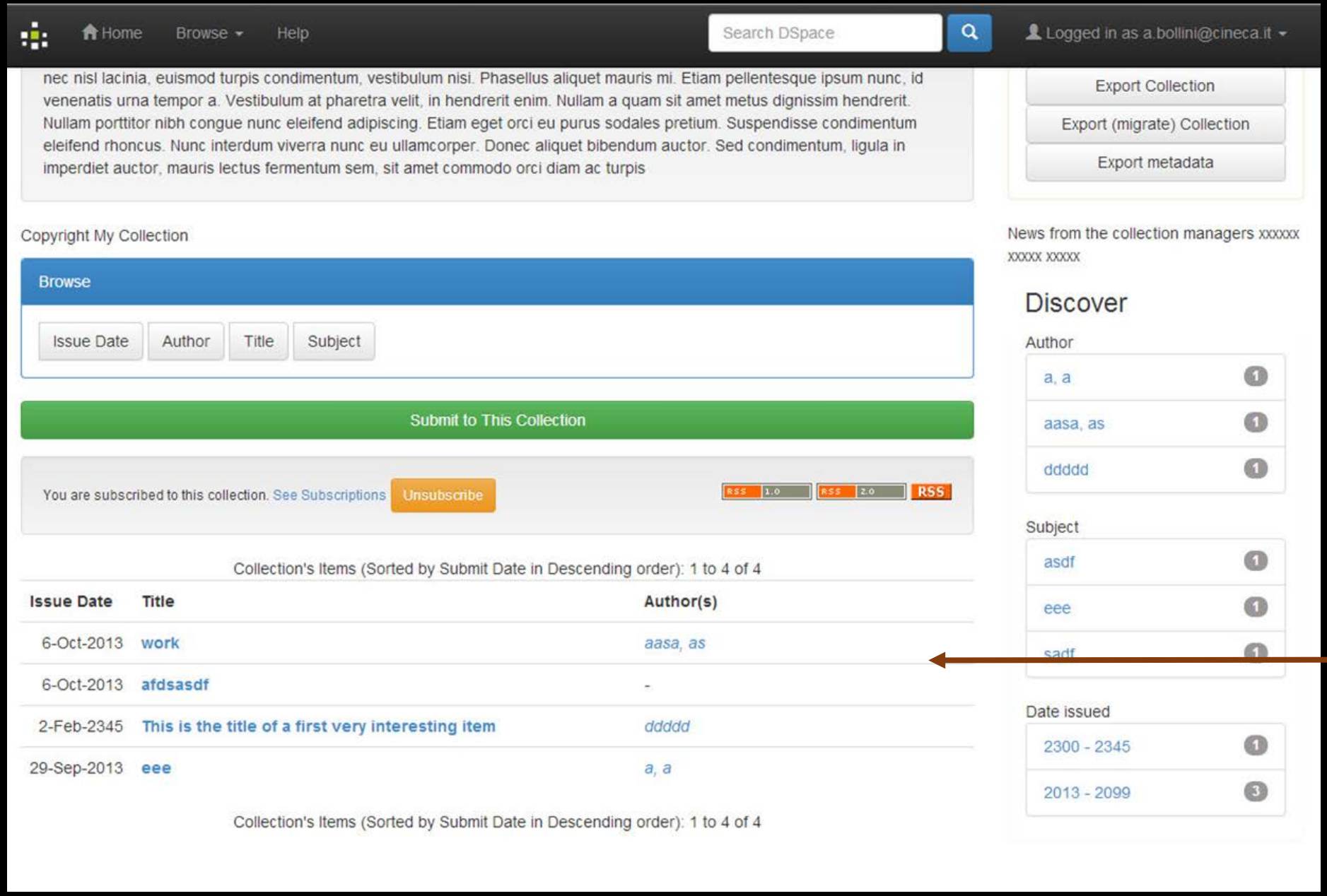
Collection home page



Logged-in

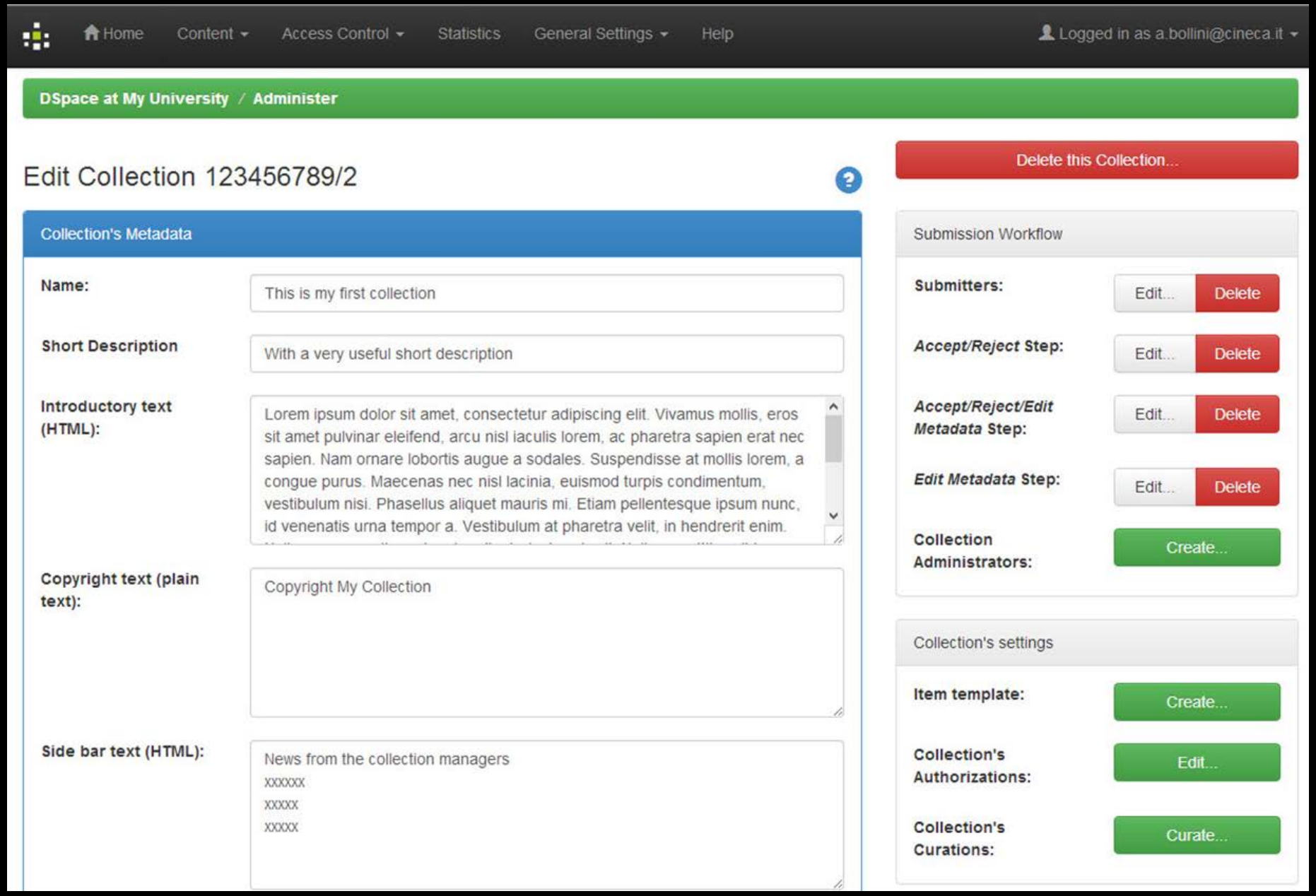
Admin tools
In the sidebar

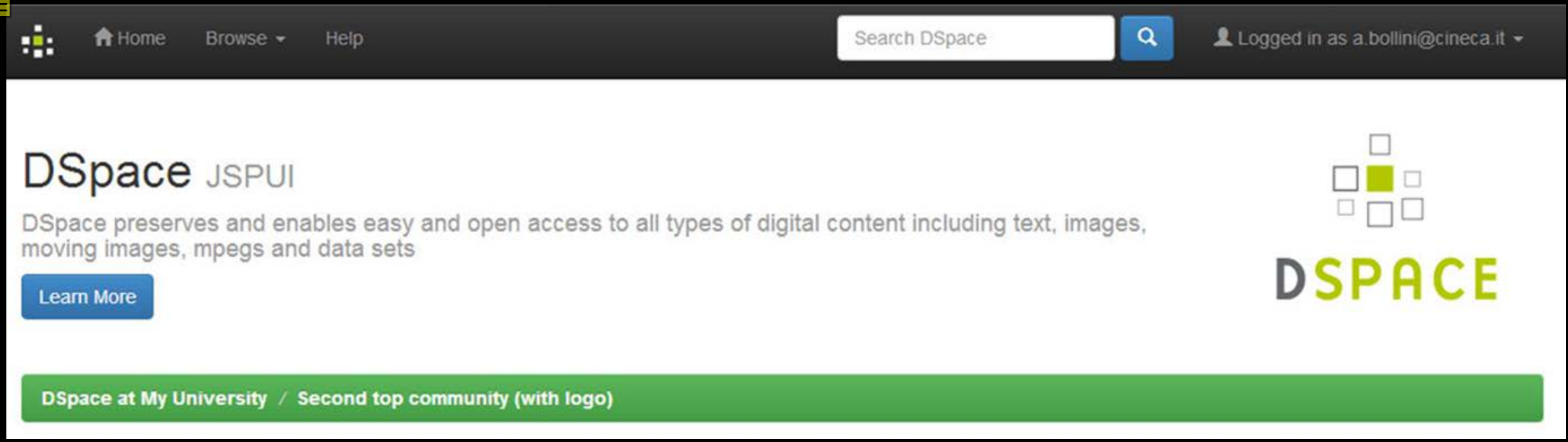
Collection home page



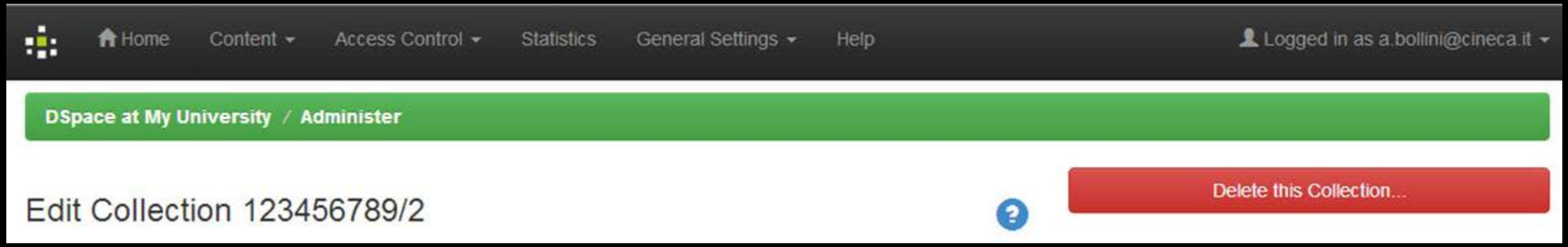
Collection's content

Edit collection

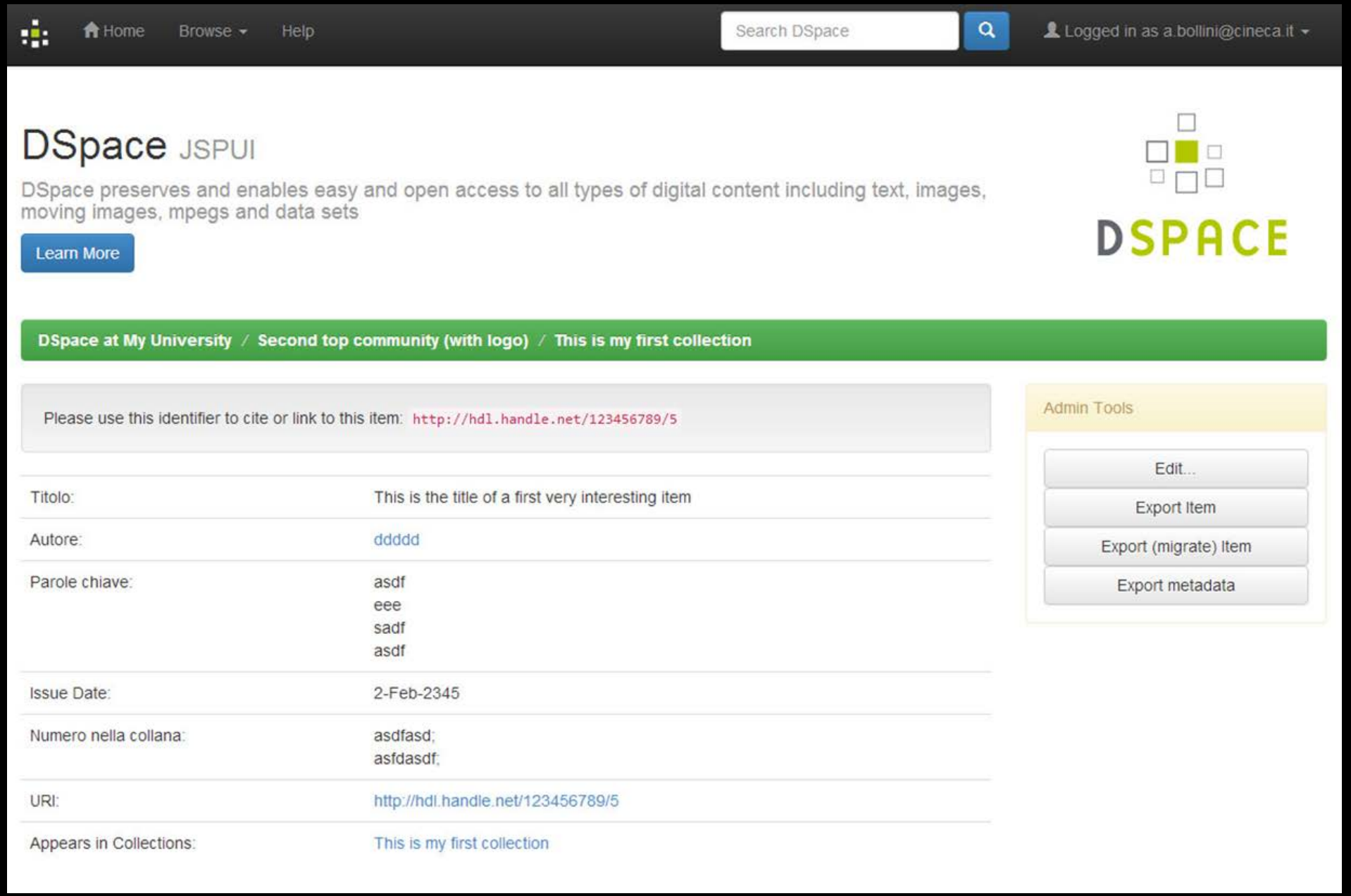




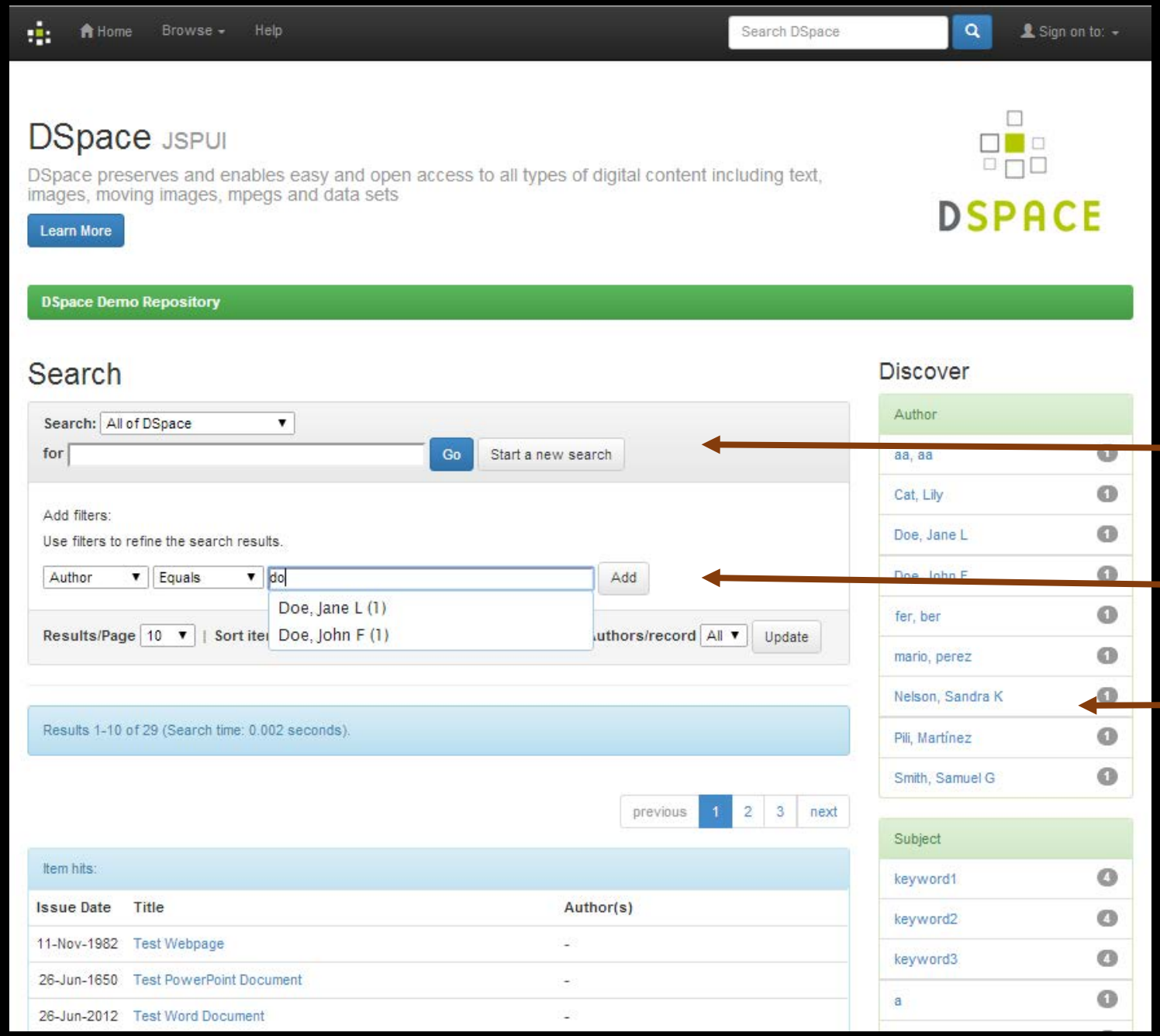
Different headers for public and backend pages



Item splash page



Search

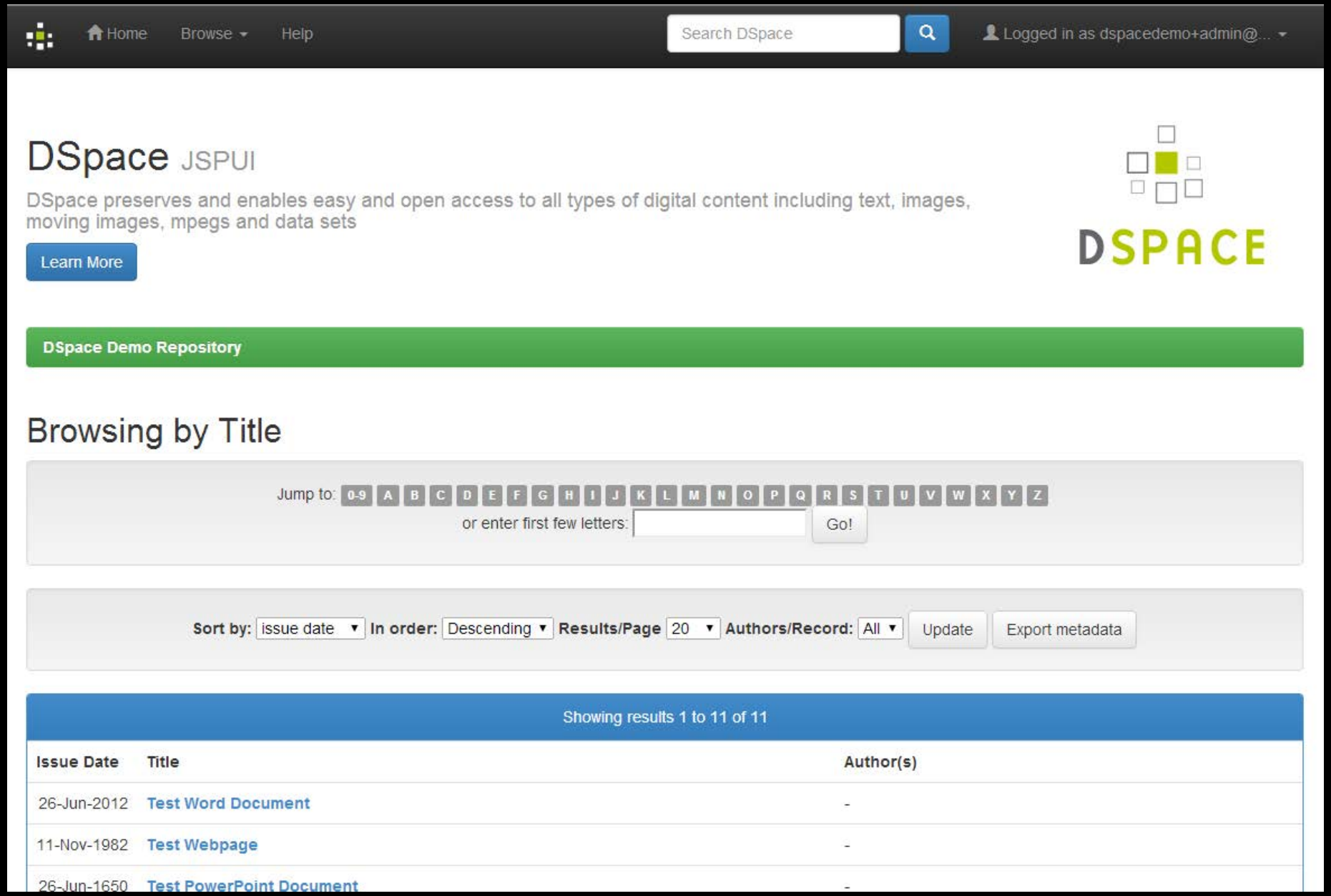


Search query

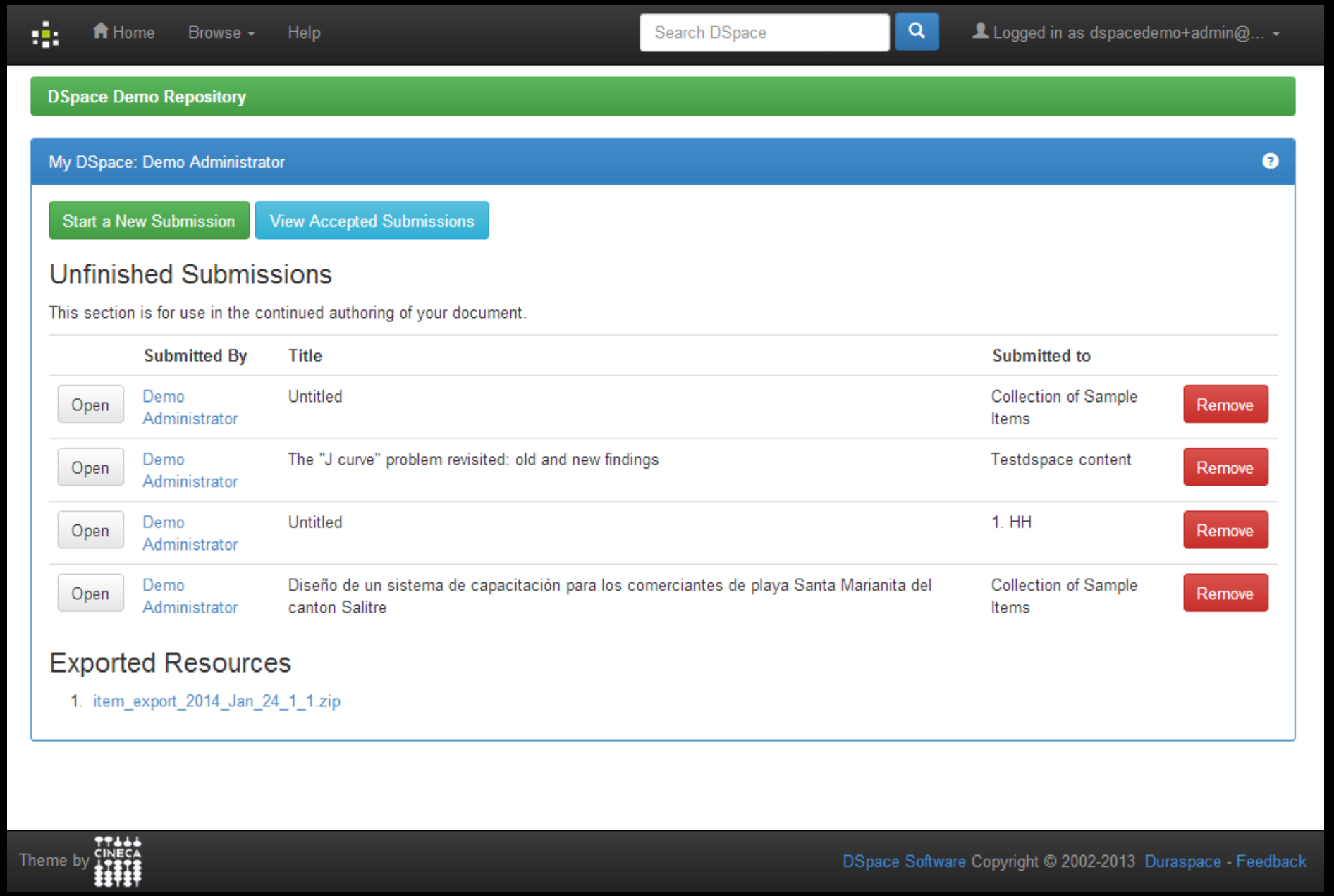
Filters with autocomplete

Facets, in the sidebar

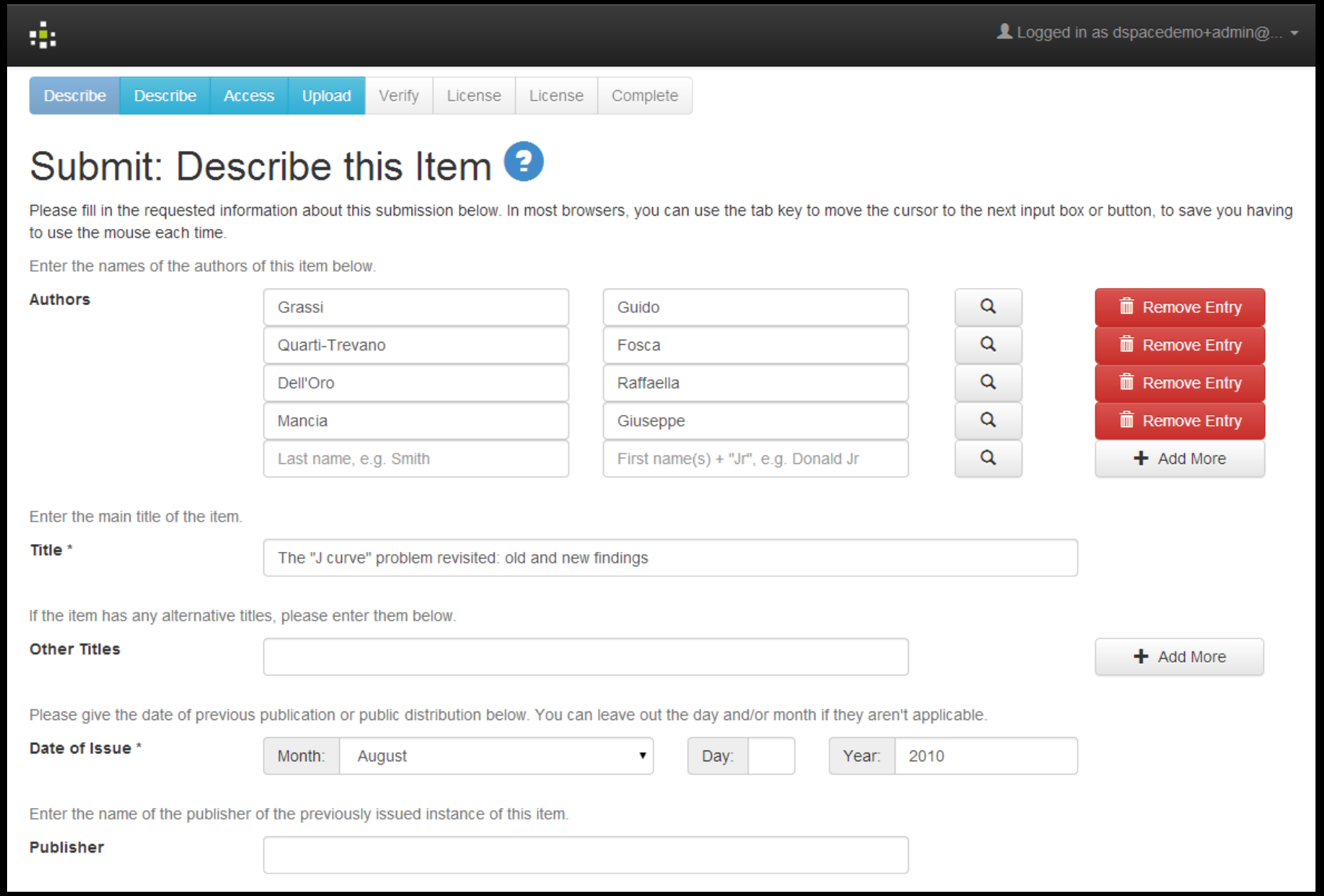
Browse


Home
Browse
Help
Search DSpace
Logged in as dspacedemo+admin@...
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
DSPACE
DSpace Demo Repository
Browsing by Title
Jump to: 0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
or enter first few letters:
Go!
Sort by: issue date In order: Descending Results/Page 20 Authors/Record: All
Update
Export metadata
Showing results 1 to 11 of 11
Issue Date
Title
Author(s)
26-Jun-2012
Test Word Document
-
11-Nov-1982
Test Webpage
-
26-Jun-1650
Test PowerPoint Document
-

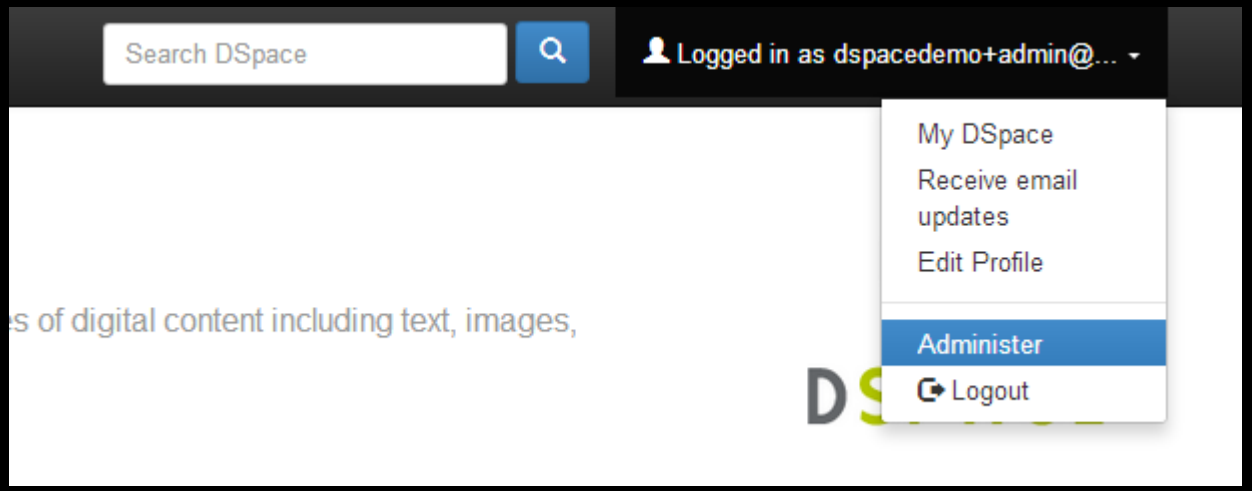
MyDSpace

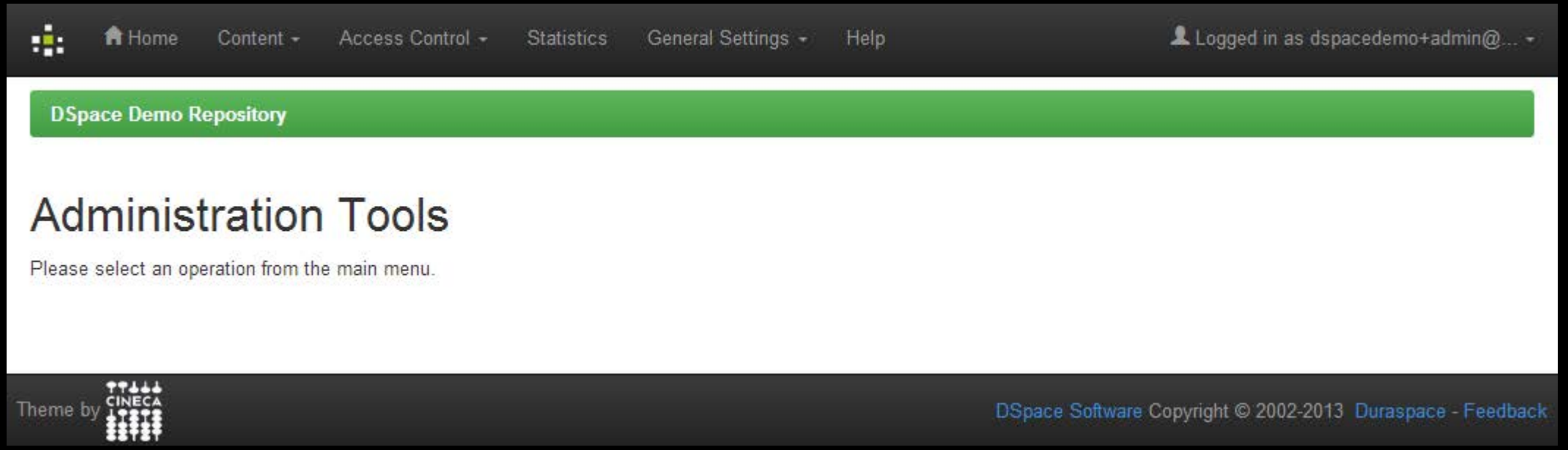

Home
Browse
Help
Search DSpace
Logged in as dspacedemo+admin@...
DSpace Demo Repository
My DSpace: Demo Administrator
Start a New Submission
View Accepted Submissions
Unfinished Submissions
This section is for use in the continued authoring of your document.
Submitted By
Title
Submitted to
Open
Demo Administrator
Untitled
Collection of Sample Items
Remove
Open
Demo Administrator
The "J curve" problem revisited: old and new findings
Testdspace content
Remove
Open
Demo Administrator
Untitled
1. HH
Remove
Open
Demo Administrator
Diseño de un sistema de capacitaciòn para los comerciantes de playa Santa Marianita del canton Salitre
Collection of Sample Items
Remove
Exported Resources
1. item_export_2014_Jan_24_1_1.zip
Theme by CINECA
DSpace Software Copyright © 2002-2013 Duraspace - Feedback

Submission: edit metadata

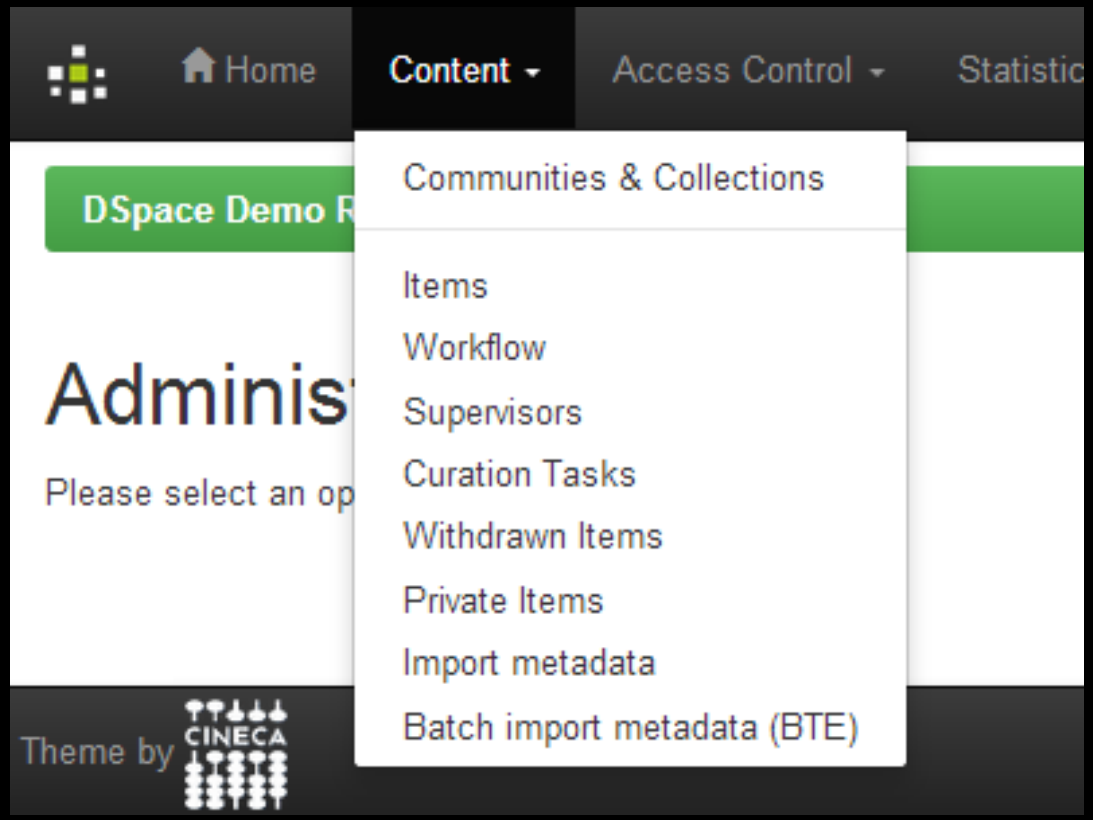


Administration

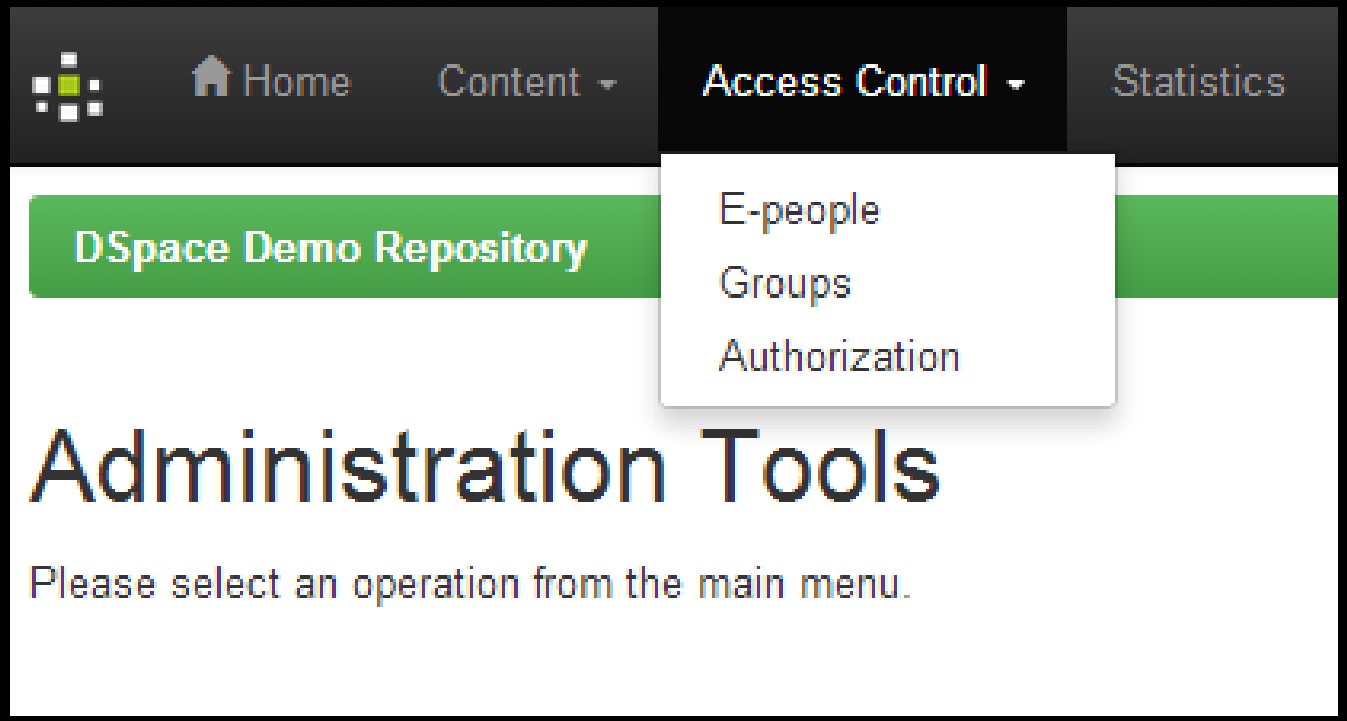




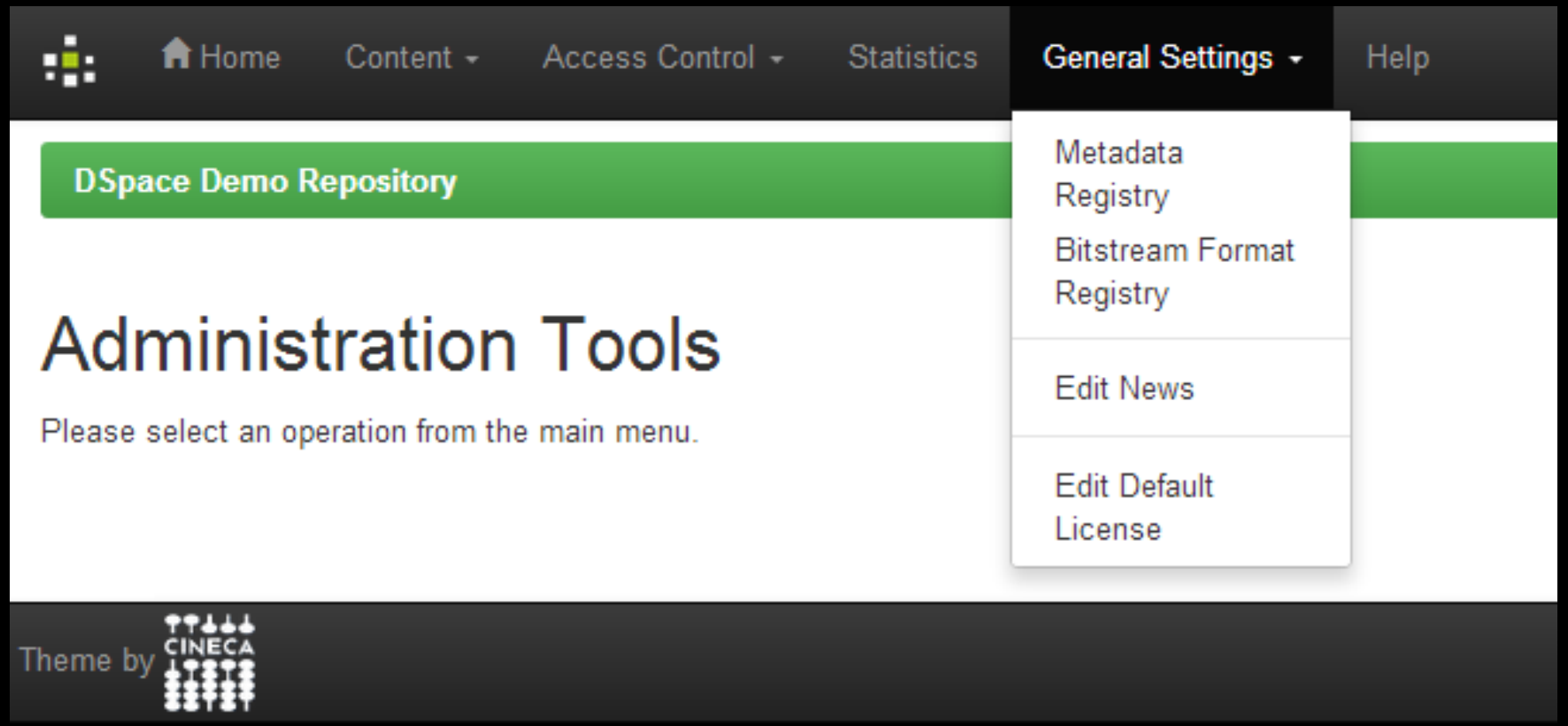
Administration



Administration



Administration



Media Query Browser support

- Chrome, Firefox, Safari, Opera
  - All reasonably recent versions
- IE10 fully supported
- IE9: except for a few CSS enhancements
- IE8: requires respond.js and html5shiv.js (included in DSpace 4)
- IE7: not officially supported, but
  - “should look and behave well enough”

Source “Building Responsive Websites with the Bootstrap 3 Framework”, Webvanta
https://www.webvanta.com/webinar/1949234-building-responsive-websites-with-the-bootstrap

Change the look & feel

In 4 steps

Change the look & feel: step 1/4

Replace the DSpace logo with your institution logo

1

/jspui/image/dspace-logo-only.png (fixed to a height of 25px)

/jspui/image/logo.gif (width adapted to max 3/12 of the viewport)

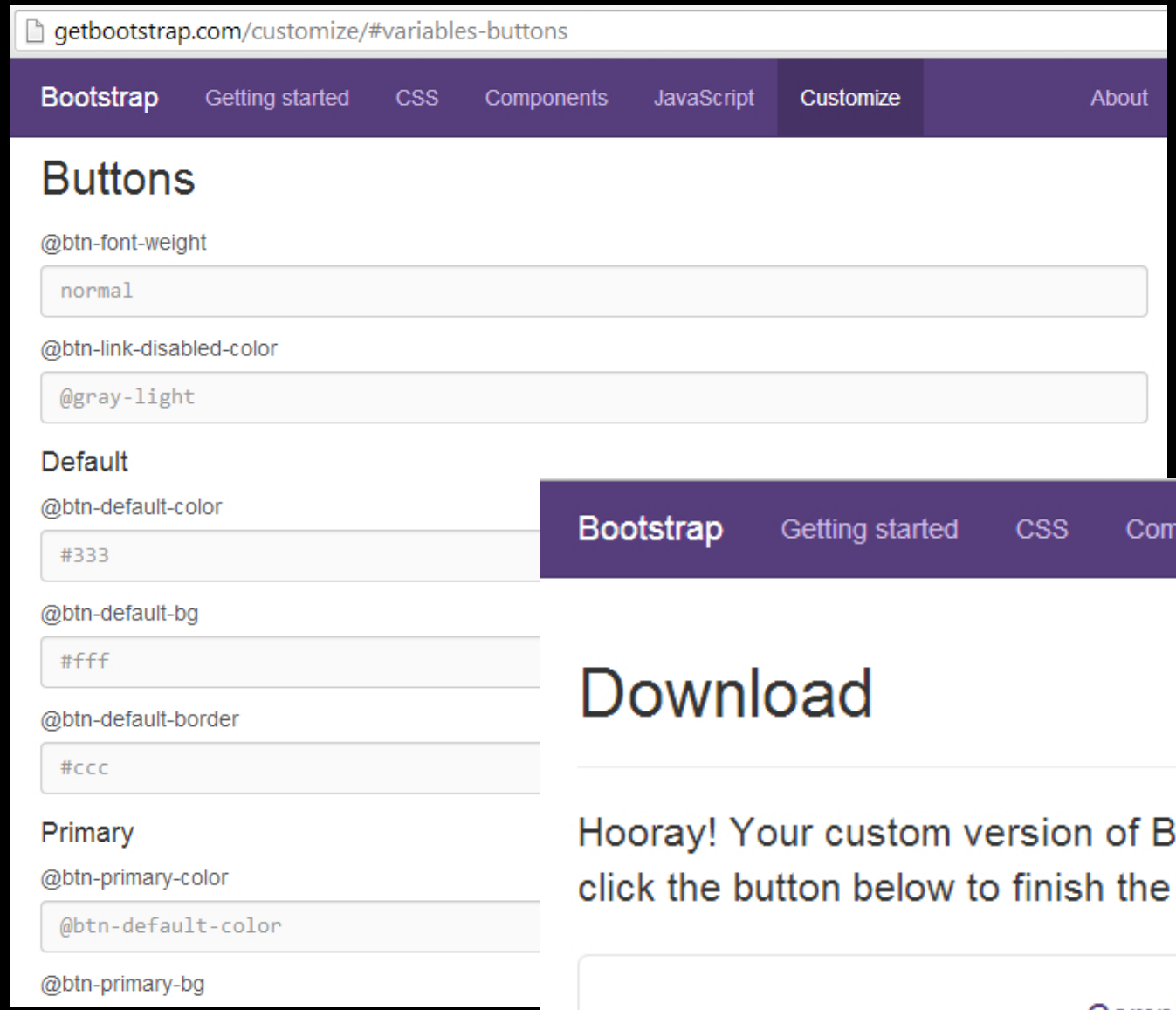
Change the look & feel: step 2/4

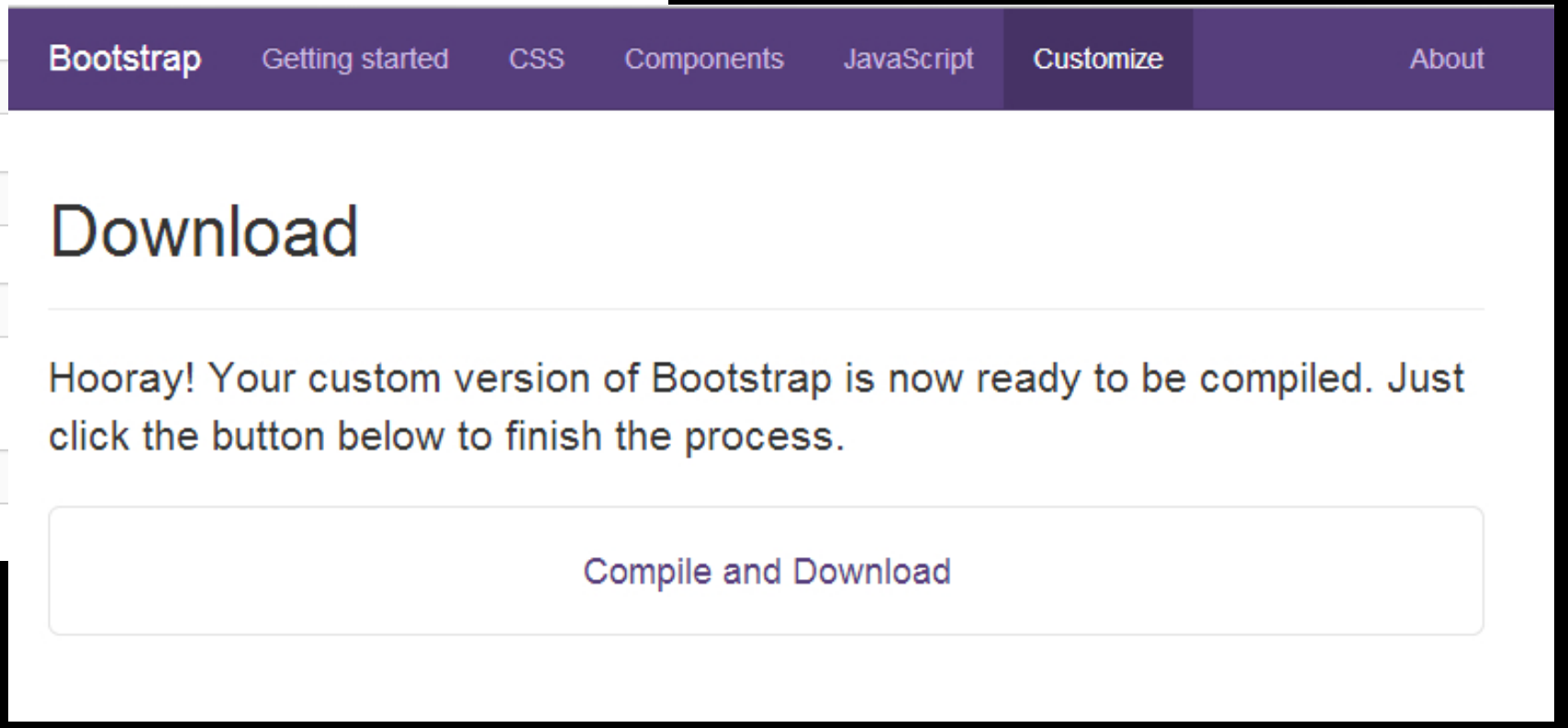
Replace the Bootstrap CSS theme file…

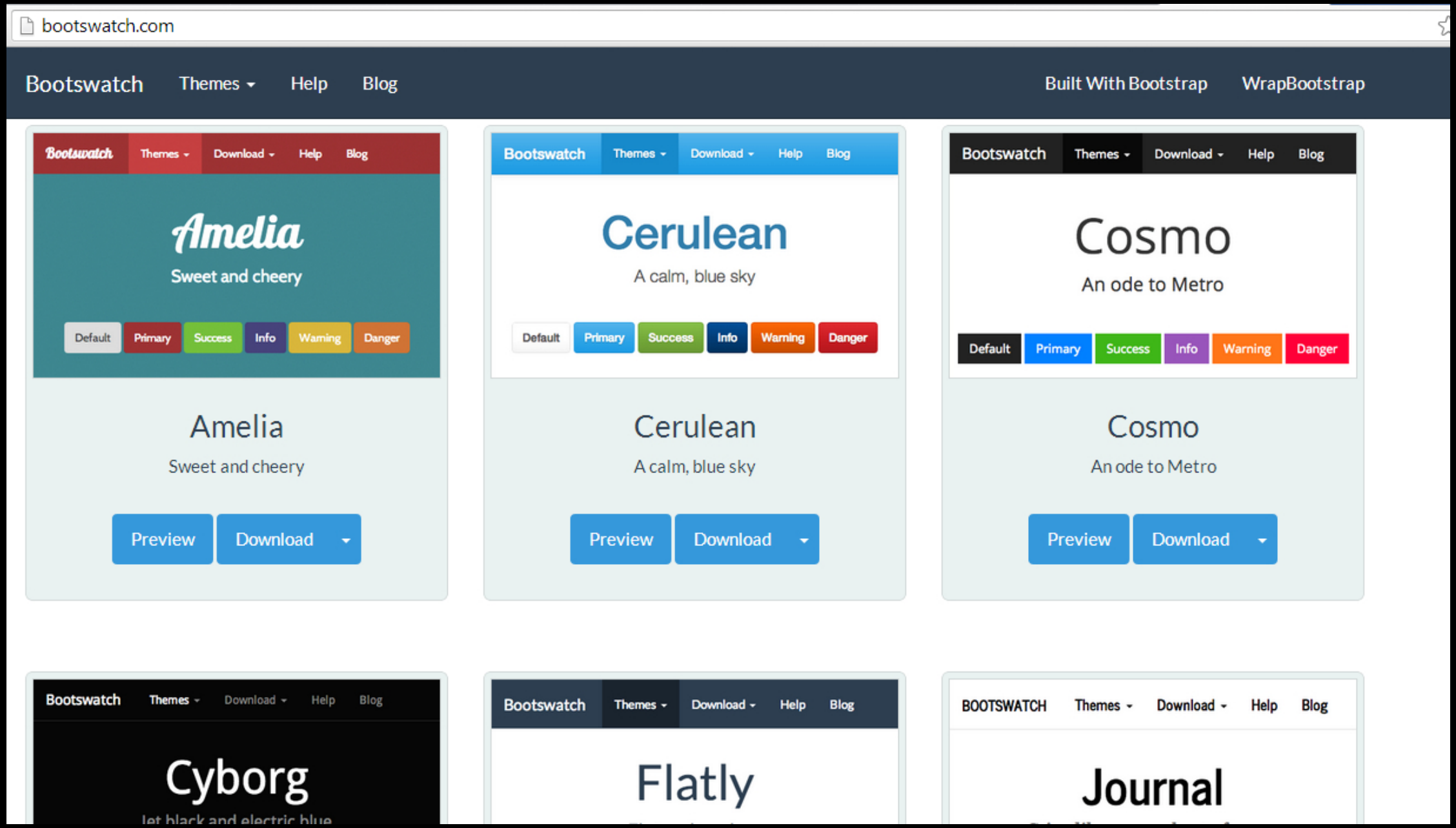
…with a generated one

/jspui/static/css/bootstrap/bootstrap-theme.min.css

http://getbootstrap.com/customize/ - the generator form
http://bootswatch.com/ - gallery of free themes
http://www.lavishbootstrap.com/ - generate the palette from an image (maybe the Repository logo or banner)


getbootstrap.com/customize/#variables-buttons
Bootstrap
Getting started
CSS
Components
JavaScript
Customize
About
Buttons
@btn-font-weight
normal
@btn-link-disabled-color
@gray-light
Default
@btn-default-color
#333
@btn-default-bg
#fff
@btn-default-border
#ccc
Primary
@btn-primary-color
@btn-default-color
@btn-primary-bg


Bootstrap
Getting started
CSS
Components
JavaScript
Customize
About
Download
Hooray! Your custom version of Bootstrap is now ready to be compiled. Just click the button below to finish the process.
Compile and Download


bootswatch.com
Bootswatch
Themes
Help
Blog
Built With Bootstrap
WrapBootstrap
Amelia
Sweet and cheery
Default
Primary
Success
Info
Warning
Danger
Amelia
Sweet and cheery
Preview
Download
Cerulean
A calm, blue sky
Cerulean
A calm, blue sky
Cosmo
An ode to Metro
Cosmo
An ode to Metro
Cyborg
Flatly
Journal

www.lavishbootstrap.com

Lavish Home Preview

https://sphotos-a-sjc.xx.fbcdn.net/hphotos-prn1/163026_481734701986_7179594_n.jpg Go Lavish

#D4D8D1 #A8A8A1 #AA9A66 #B74934 #577492 #67655D #332C2F

Step 2: Customize everything

body background	#D4D8D1	D4D8D1
disabled input & button background, input addon background, nav & tabs & pagination link hover background, jumbotron background	#A8A8A1	A8A8A1
disabled link color, input placeholder color, dropdown header color, navbar inverse & link color	#AA9A66	AA9A66

Change the look & feel: step 3/4

Check the dspace-theme CSS file, maybe you want to make changes

3

/jspui/static/css/bootstrap/dspace-theme.css

```
.banner img {background-color: #FFFFFF;padding:15px;margin:20px;}
.brand h4 {color: #999999}
ol.breadcrumb li {color: white; font-style: italic;}
ol.breadcrumb li a {color: white; font-weight: bold; font-style: normal;}
```

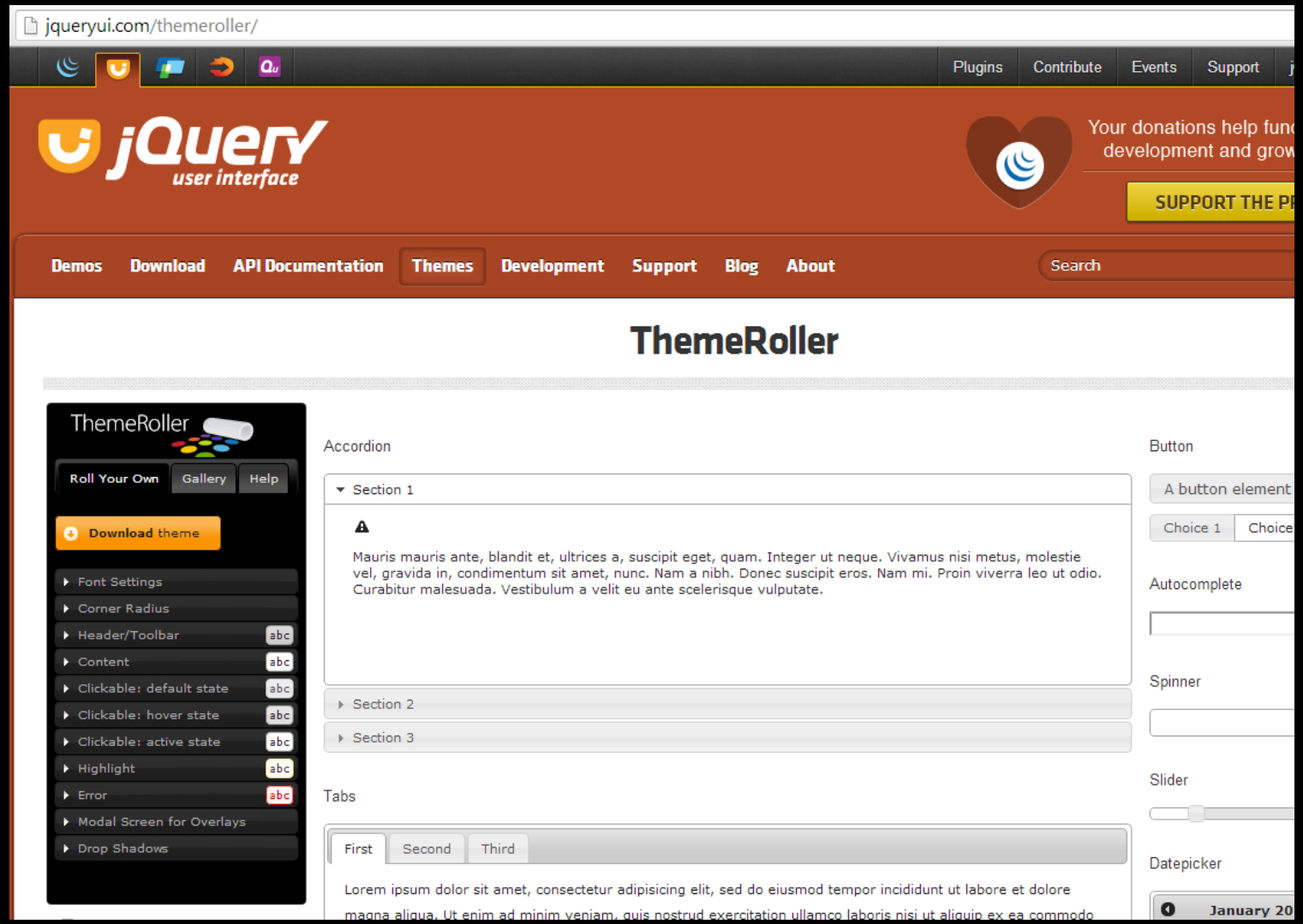
Change the look & feel: step 4/4

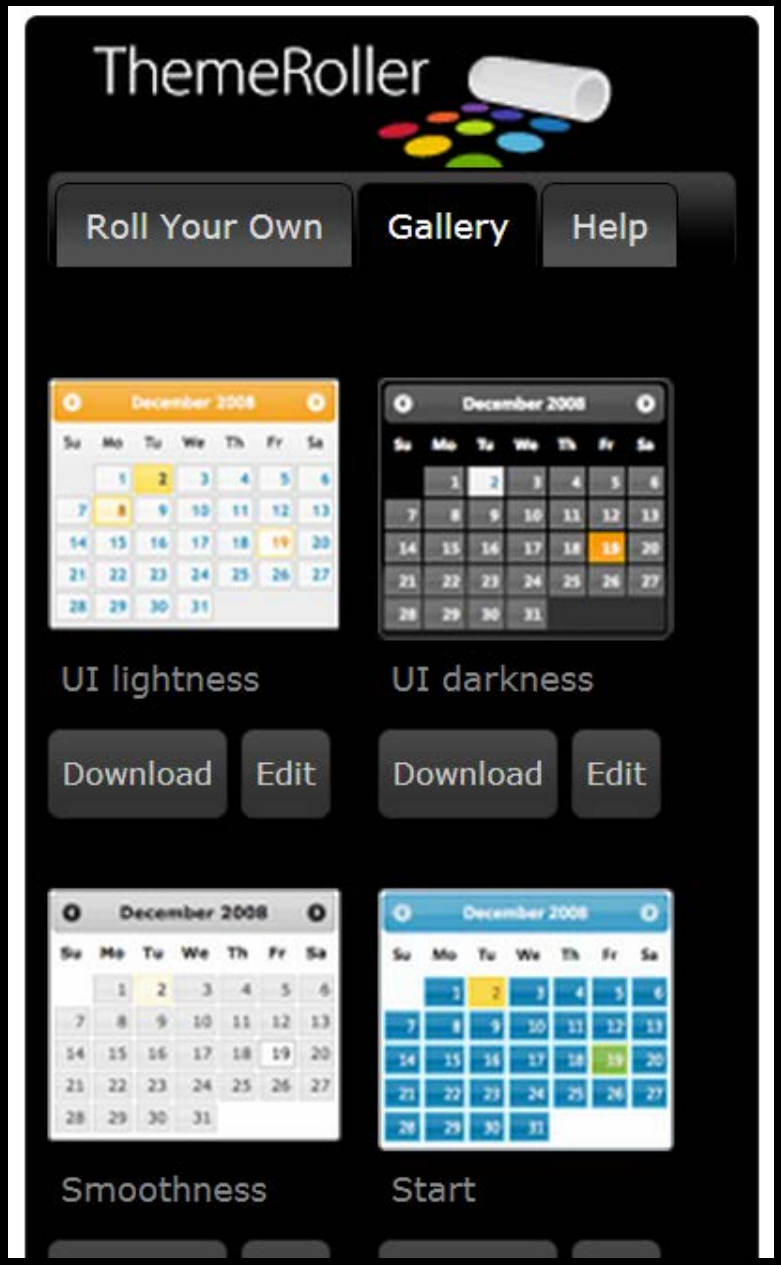
Replace JQuery UI CSS & images…

…with a generated one

/jspui/static/css/jquery-ui-1.10.3.custom/redmond/jquery-ui-1.10.3.custom.css
/jspui/static/css/jquery-ui-1.10.3.custom/redmond/images/*

http://jqueryui.com/themeroller/ - the generator form & free gallery


jqueryui.com/themeroller/
Plugins
Contribute
Events
Support
jQuery
user interface
Your donations help fund
development and grow
SUPPORT THE PR
Demos
Download
API Documentation
Themes
Development
Support
Blog
About
Search
ThemeRoller
ThemeRoller
Roll Your Own
Gallery
Help
Download theme
Font Settings
Corner Radius
Header/Toolbar
Content
Clickable: default state
Clickable: hover state
Clickable: active state
Highlight
Error
Modal Screen for Overlays
Drop Shadows
Accordion
Section 1
Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.
Section 2
Section 3
Tabs
First
Second
Third
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
Button
A button element
Choice 1
Choice
Autocomplete
Spinner
Slider
Datepicker
January 20


ThemeRoller
Roll Your Own
Gallery
Help
December 2008
UI lightness
UI darkness
Download
Edit
Download
Edit
Smoothness
Start

Change the look & feel

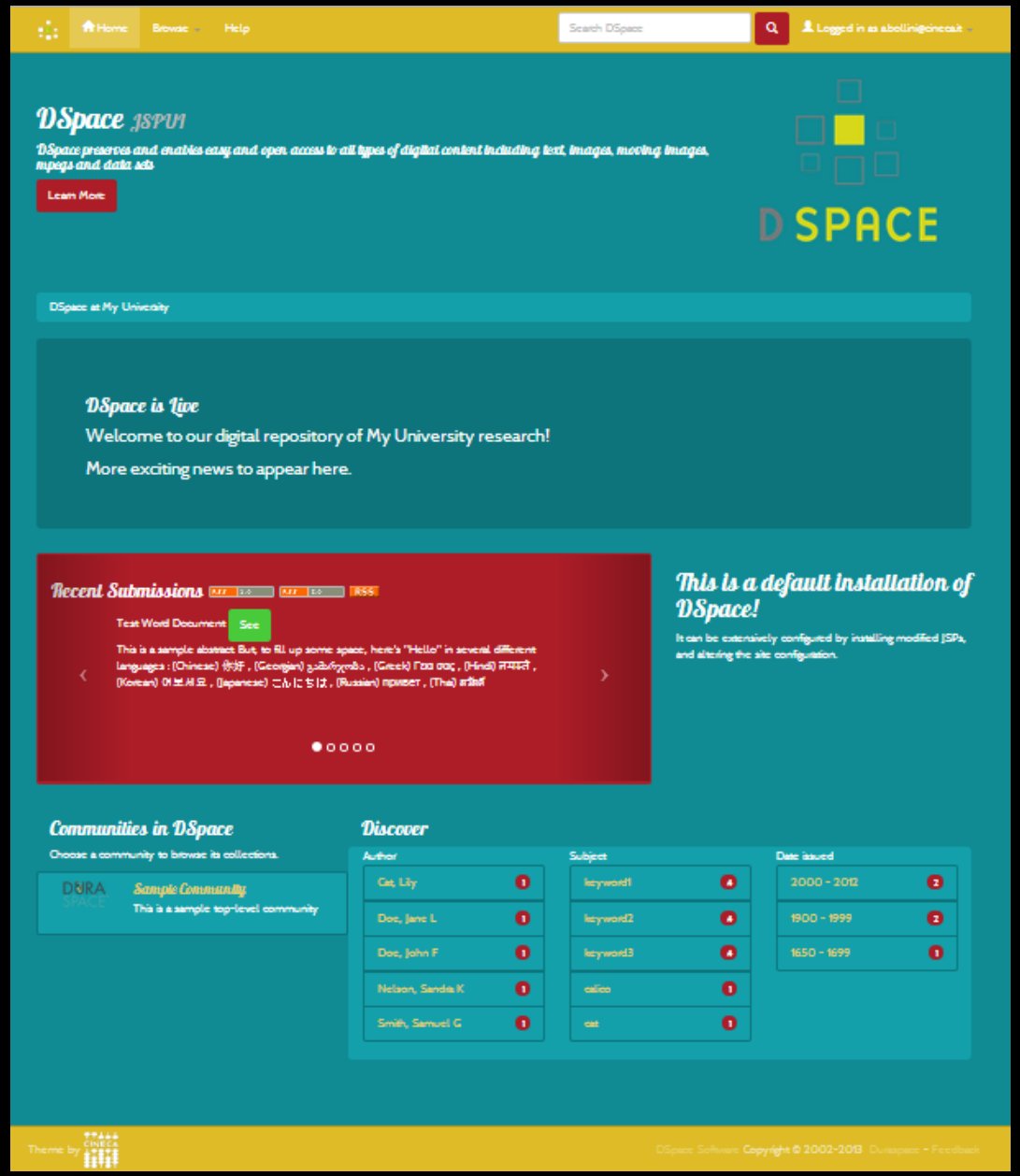
...done!

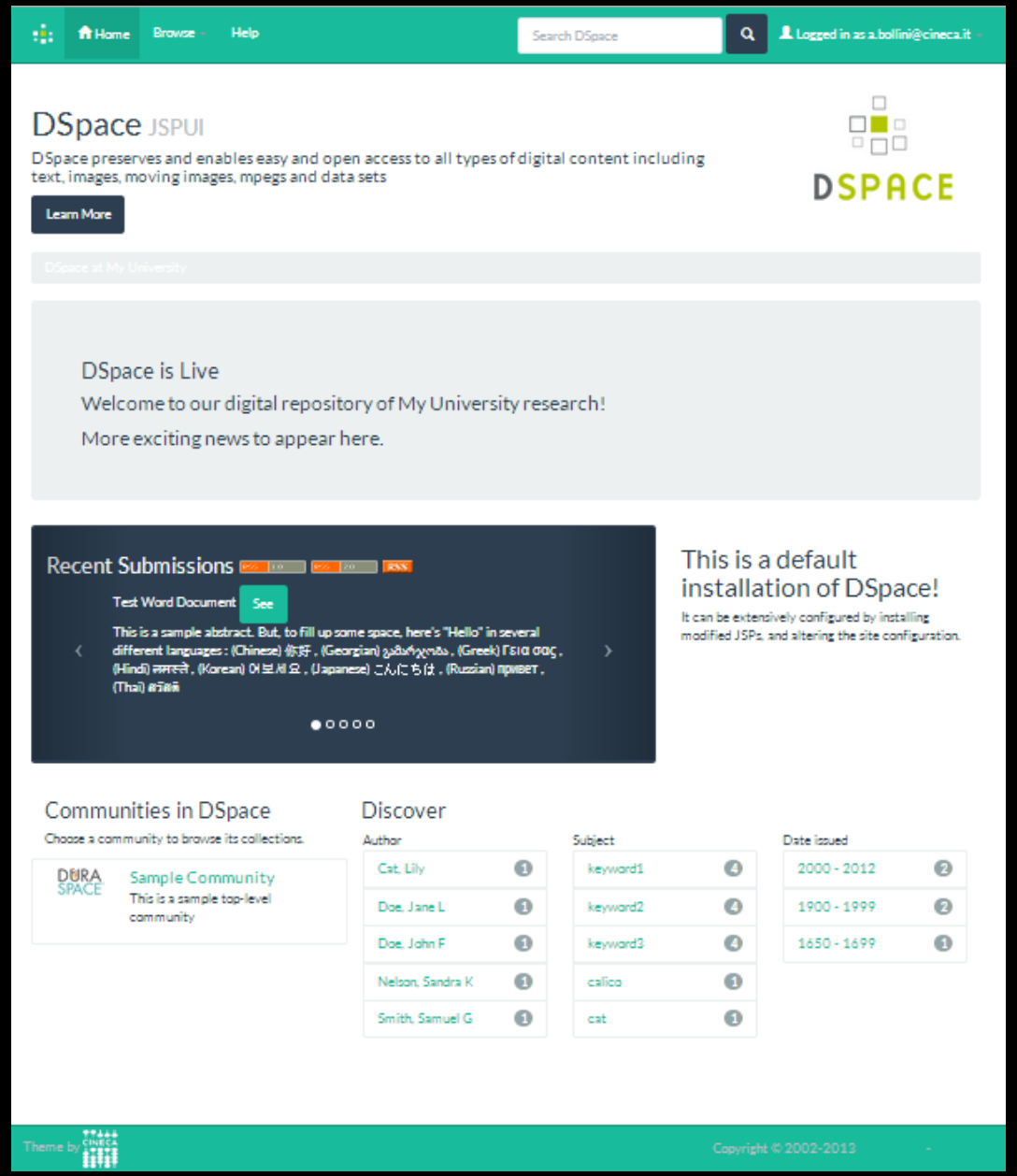
You only need to re-package your JSPUI webapp and deploy it!

mvn package

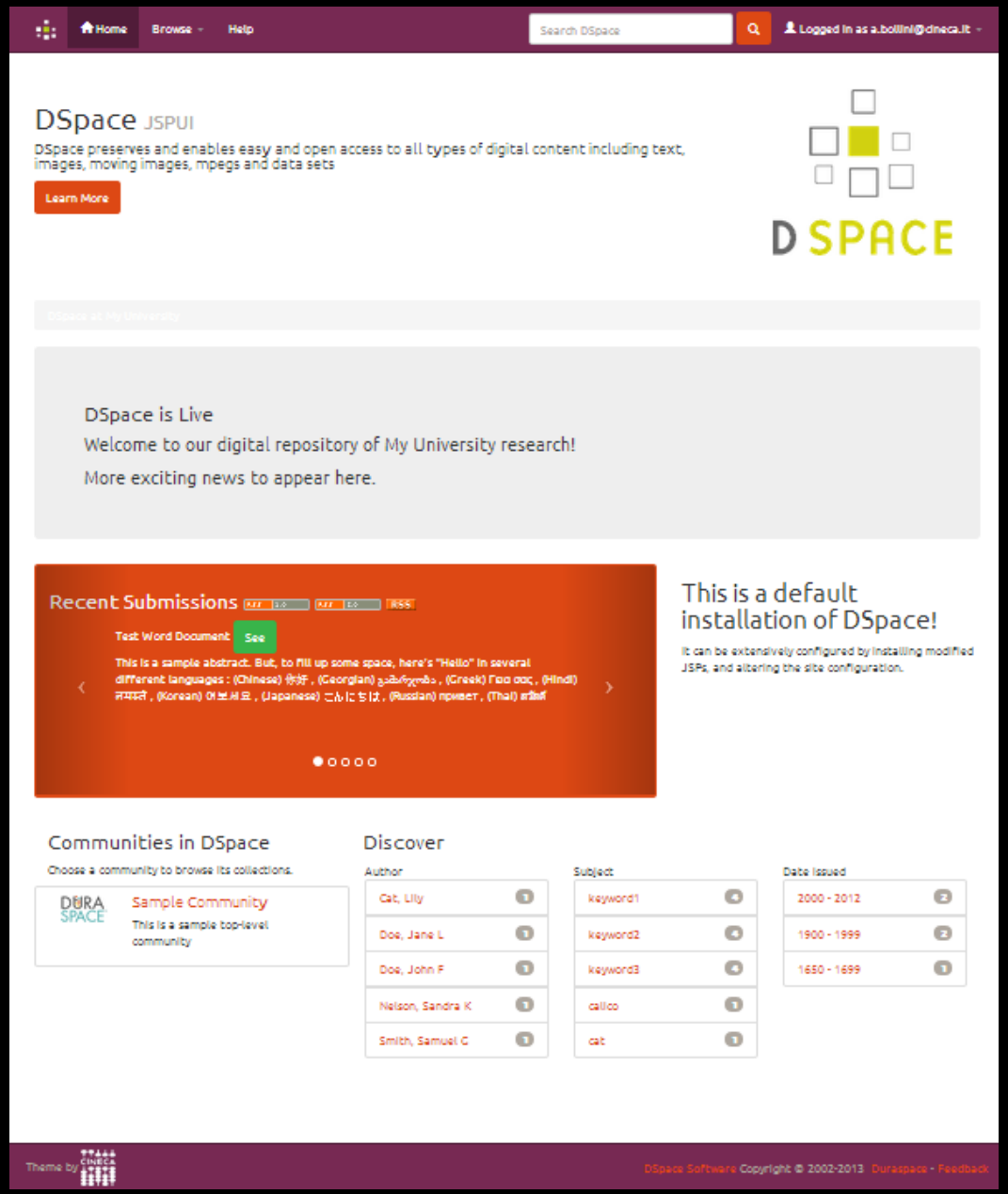
Some examples

Bootwatch


Home
Browse
Help
Search DSpace
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
DSPACE
DSpace at My University
DSpace is Live
Welcome to our digital repository of My University research!
More exciting news to appear here.
Recent Submissions
Test Word Document
See
This is a default installation of DSpace!
It can be extensively configured by installing modified JSPs, and altering the site configuration.
Communities in DSpace
Choose a community to browse its collections.
Sample Community
This is a sample top-level community
Discover
Author
Cat, Lily
Doe, Jane L
Doe, John F
Nelson, Sandra K
Smith, Samuel G
Subject
keyword1
keyword2
keyword3
calico
cat
Date issued
2000 - 2012
1900 - 1999
1650 - 1699


Home
Browse
Help
Search DSpace
Logged in as a.bollini@cineca.it
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
DSPACE
DSpace at My University
DSpace is Live
Welcome to our digital repository of My University research!
More exciting news to appear here.
Recent Submissions
Test Word Document
See
This is a default installation of DSpace!
It can be extensively configured by installing modified JSPs, and altering the site configuration.
Communities in DSpace
Choose a community to browse its collections.
Sample Community
This is a sample top-level community
Discover
Author
Cat, Lily
Doe, Jane L
Doe, John F
Nelson, Sandra K
Smith, Samuel G
Subject
keyword1
keyword2
keyword3
calico
cat
Date issued
2000 - 2012
1900 - 1999
1650 - 1699
Theme by
Copyright © 2002-2013

Bootwatch


Home
Browse
Help
Search DSpace
Logged in as a.bollini@cineca.it
DSpace JSPUI
DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets
Learn More
D SPACE
DSpace is Live
Welcome to our digital repository of My University research!
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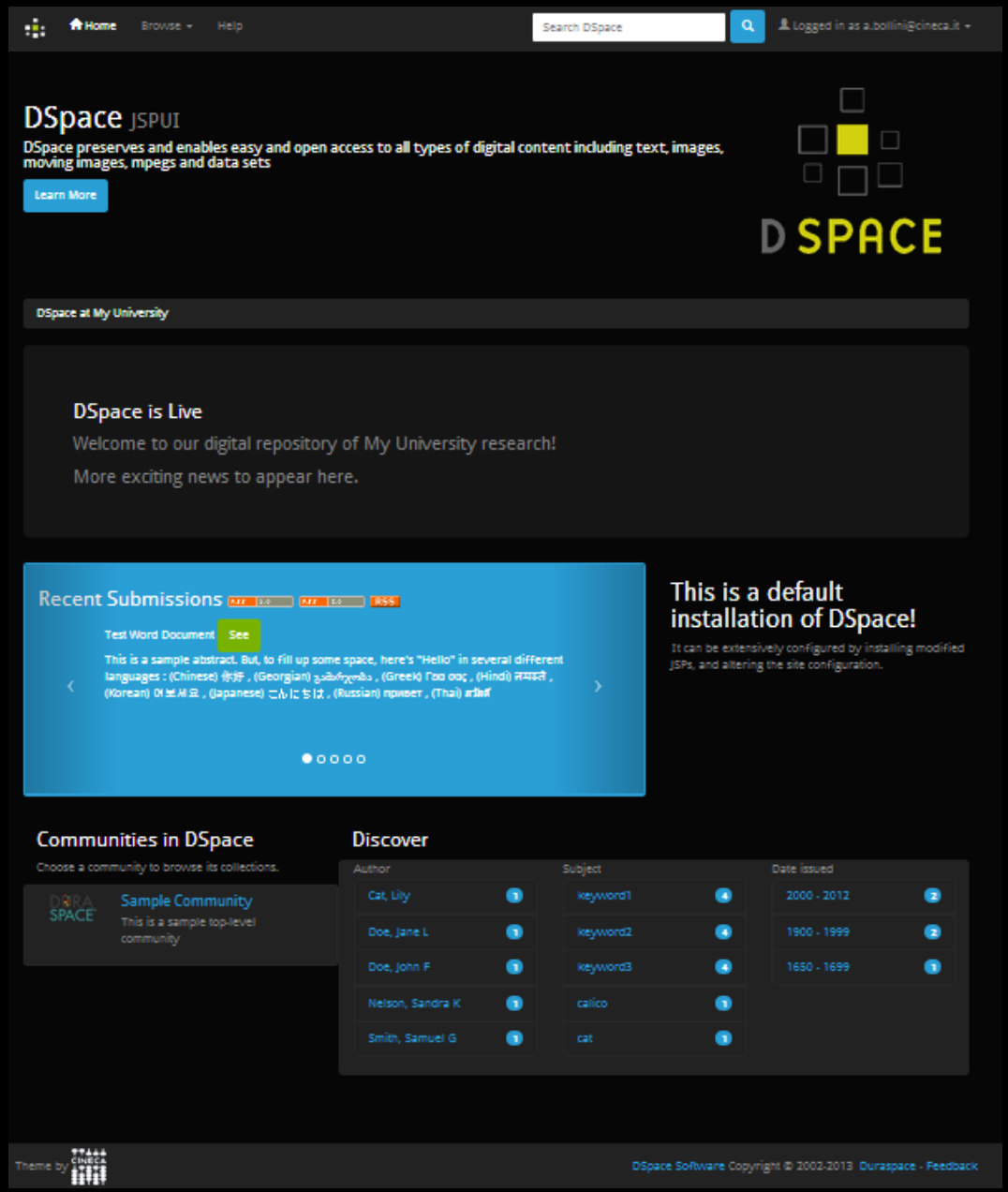
Theme by CINECA
DSpace Software Copyright © 2002-2013 Duraspace - Feedback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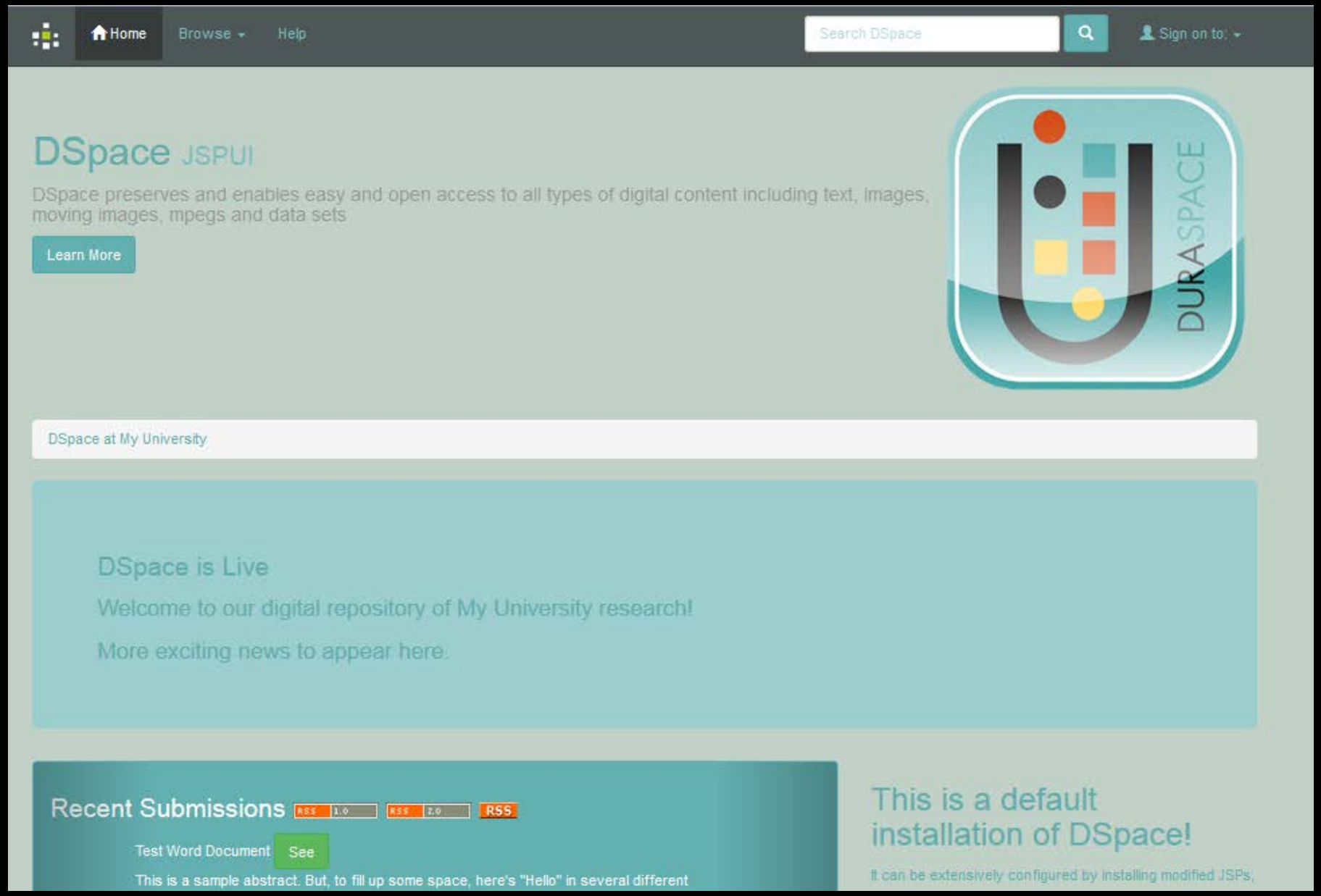
Lavish DuraSpace logo


Home
Browse
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DURASPACE
DSpace at My University
DSpace is Live
Welcome to our digital repository of My University research!
More exciting news to appear here.
Recent Submissions
RSS
Test Word Document
See
This is a sample abstract. But, to fill up some space, here's "Hello" in several different
This is a default installation of DSpace!
It can be extensively configured by installing modified JSPs,

How does it work? much like the old versions

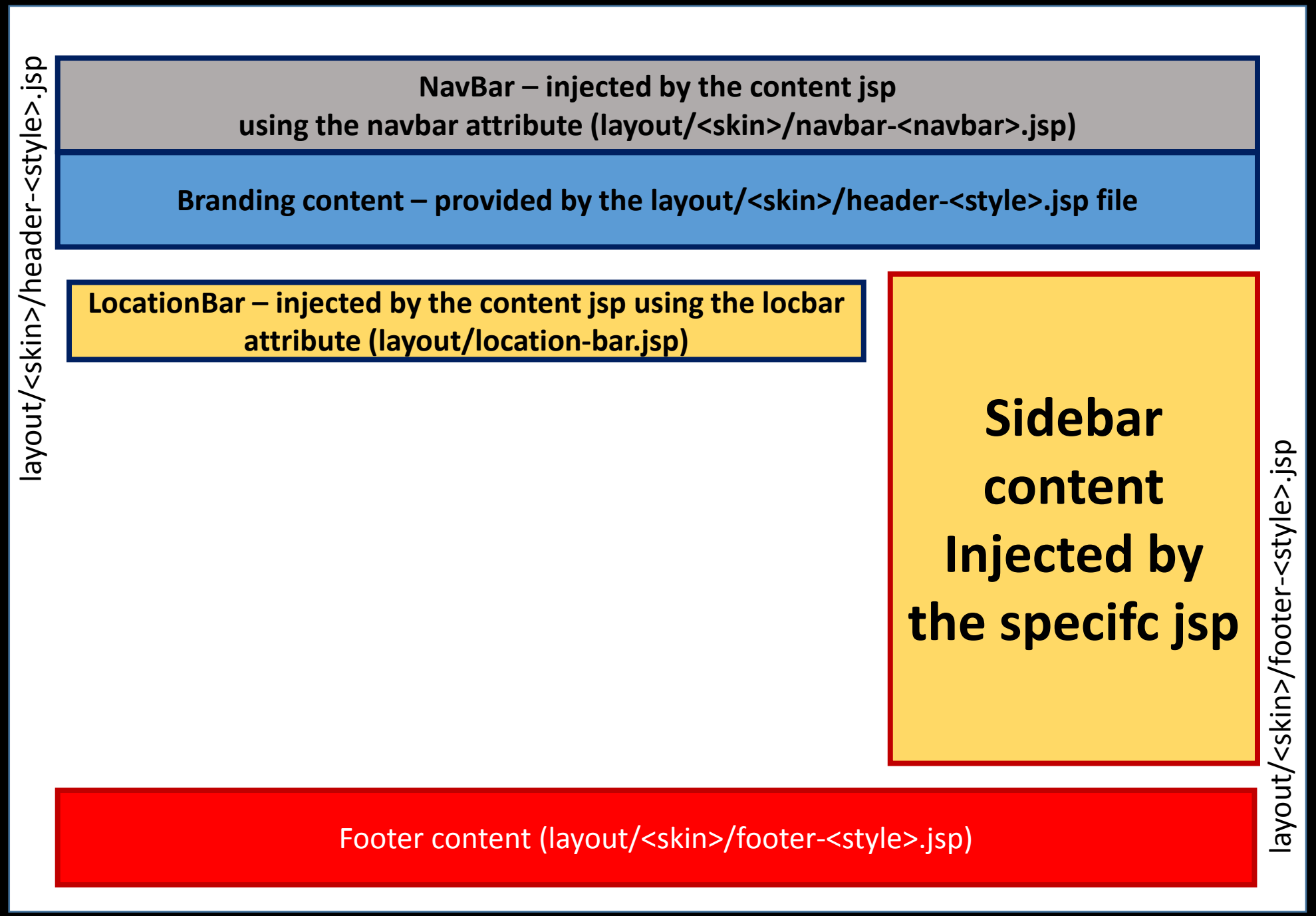
- You can think the whole page as a big table of 12 columns…
  …but it is tableless! (all content in HTML elements)

- You have precise positioning (fix «column» size)
  …but it is fluid (better, it is responsive, mobile friendly)

- It uses the custom tags dspace:layout and dspace:sidebar
  …but the layout tag now knows about the sidebar tag early*.

* You can do the math about how many columns are in your central panel and you can also put the sidebar on the left

Layout structure



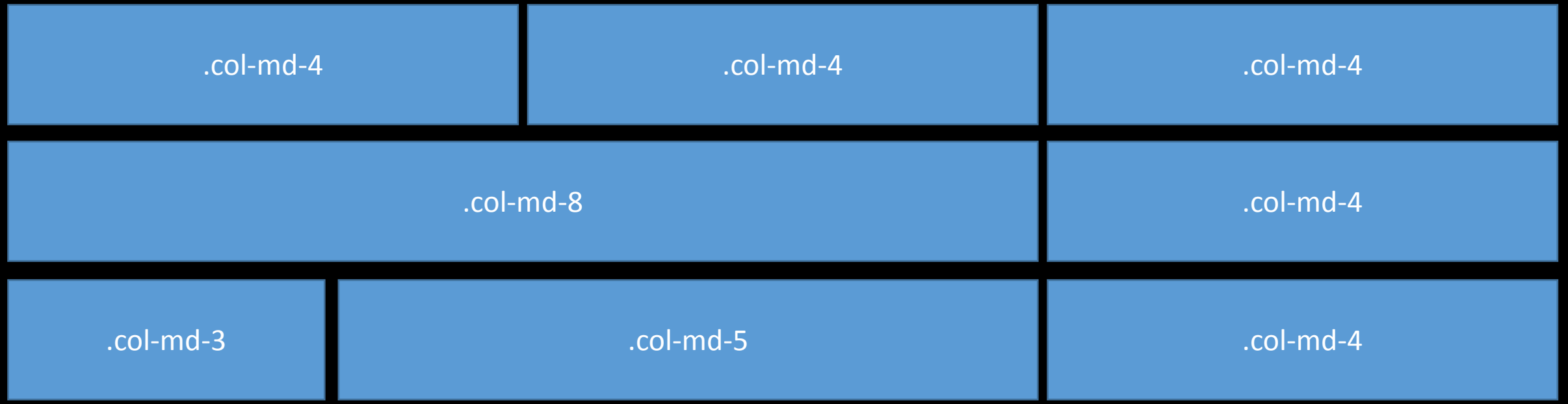
Four key elements

- Skin (undocumented feature ☹)
  - Configured in the dspace.cfg allow to use layout files from the subdirectory <skin> of
    - dspace-jspui/src/main/webapp/layout or
    - dspace/modules/jspui/src/main/webapp/layout
- Style
  - Used in the dspace:layout tag to define which style apply to the current content, current used styles are:
    - Default
    - Submission (not yet an appropriate name… backend could be a better name)
- NavBar
  - Used in the dspace:layout tag to define which navigation menu include
- LocationBar
  - Used in the dspace:layout tag to define or turn off the breadcrumbs

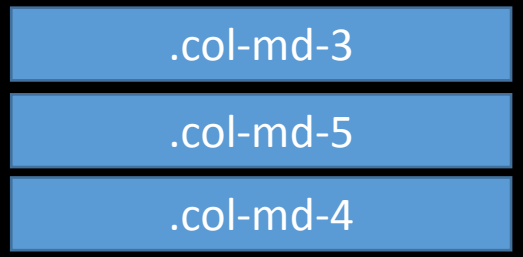
Twitter Bootstrap

- Grid system
  - Breaking point: xs (<768px); sm (≥768px); md (≥992px); lg (≥1200px)
- Responsive utilities
  - hide / visible / pull / push / reset / clearfix for specific device (xs, sm, md, lg)
- UI Components CSS + JS:
  - NavBar, Menu, Carousel, List media item, panel, badge, etc.

Bootstrap: the grid system



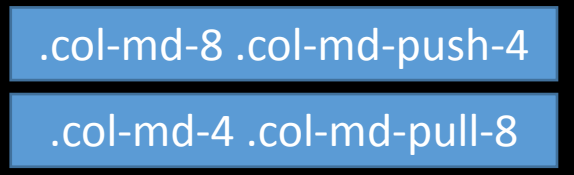
on small and extra small devices



Bootstrap: responsive system

+ push / pull

on small and extra small devices



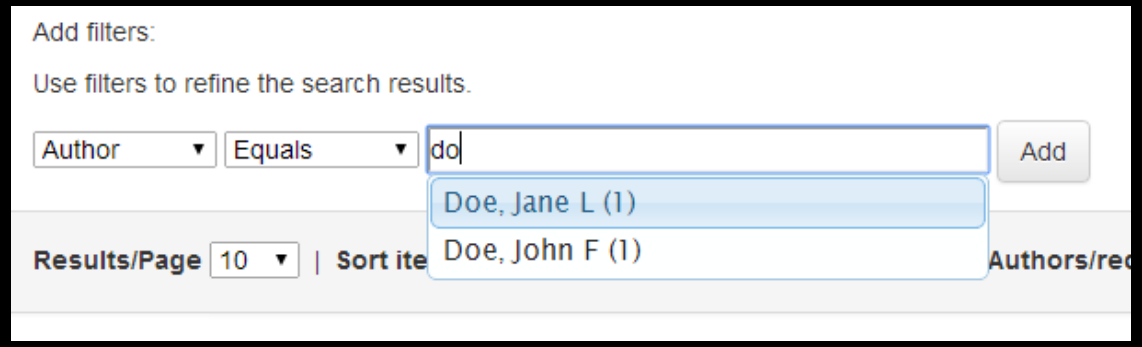
You can also play with offset, visible and hidden classes.
See http://getbootstrap.com/css

JQuery UI is actually used for...

Autocomplete widget
- Search filter
- Submission, authority controlled metadata

Tabs / Accordion
- Submission lookup (see later)

Progress bar
- File upload



Guidelines & design decision

- The current implementation is not perfect but it is much better than the previous one.
  - We expect wide adoption and lot of improvements and fix, specially for mobile device, in the next versions
  - At Cineca we are going to install DSpace 4 with this UI for over 60 universities and research centres in 2014/2015
- Rely only on standard bootstrap CSS classes
- Focus on middle size desktop screen col-md-* (more work to do for mobile devices)
- Uniform use of metaphors and navigation patterns

Common UI experience patterns: examples

- In a wizard
  - The next button goes on the right
  - The previous button goes on the left
- When a link makes changes it is always rendered as a button
- The state classes are used as follows:
  - Primary (blue): the expected button(s) to be used in a form
  - Success (green): add/update content, «save» buttons. Success acknowledgment
  - Danger (red): remove/delete content, «remove» buttons. Information that you MUST read before going ahead
  - Warning (yellow): change that can be reverted with some work, information to understand before going ahead
  - Info (blue): access to additional information

JSPUI Extensions

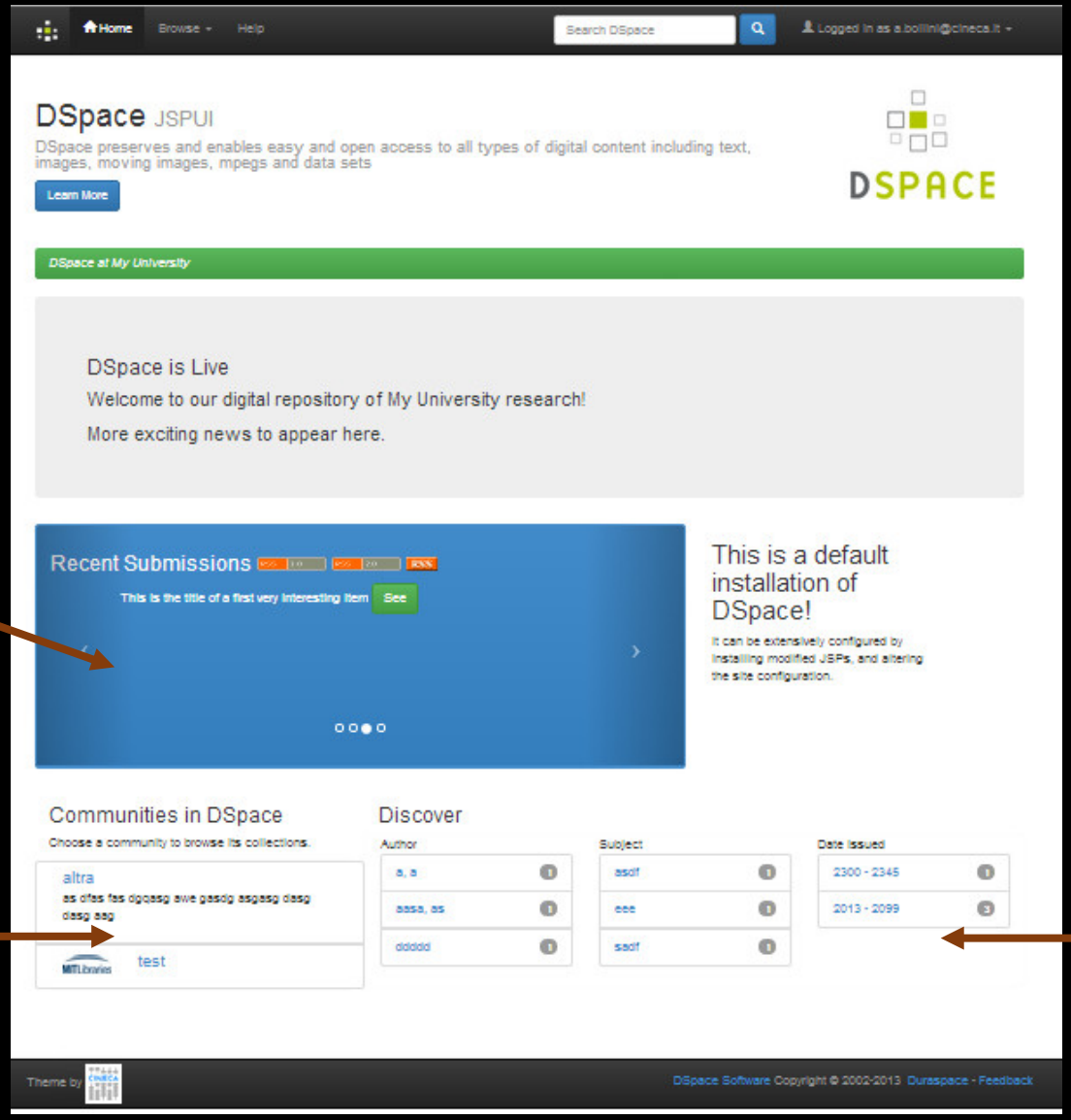
- The use of a CSS Framework with a solid grid system can facilitate the implementation of an extension mechanism “build by blocks”
- DSpace already has a basic support for that on the controller side. The main “pages”: home, community, collection and item all support injection of logic via “processor”
- The view fragments actually need to be included “manually” editing the main jsp but… nobody stops us to dream about UI to configure the content order and positioning

dspace.cfg: plugin.sequence.org.dspace.plugin.SiteHomeProcessor

Home page processors

RecentSiteSubmissions

TopCommunitiesSiteProcessor



SideBarFacetProcessor

Does Bootstrap matter for XMLUI?

Yes, recent news say that also XMLUI developers are looking to bootstrap as CSS framework to support new themes

MIRAGE2

“This theme for the DSpace "Manakin" XML User Interface was built on modern web technologies including Bootstrap, SASS/Compass and Grunt. Mirage 2 offers a fresh look and feel together with an entire range of optimizations behind the scenes. The public face of the theme is available for evaluation in a dedicated preview repository. The associated source code will be released after the release of DSpace 4.”

http://duraspace.org/mirage-2-fresh-look-and-feel-dspace-4

Search User experience improvements

JSPUI & XMLUI

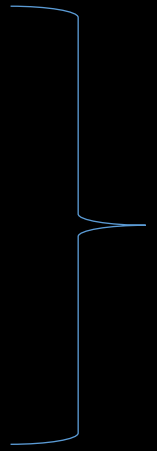
OR 2014, Helsinki

Search User experience improvements

JSPUI & XMLUI

- ICU accent folder
  - Solve transliteration problem for UTF-8 characters so that you can for example search for Martìnez, entering martìnez or martinez to get the same results
  - It is enabled out-of-box, just be sure to re-index your content after the upgrade

Martìnez
Martinez

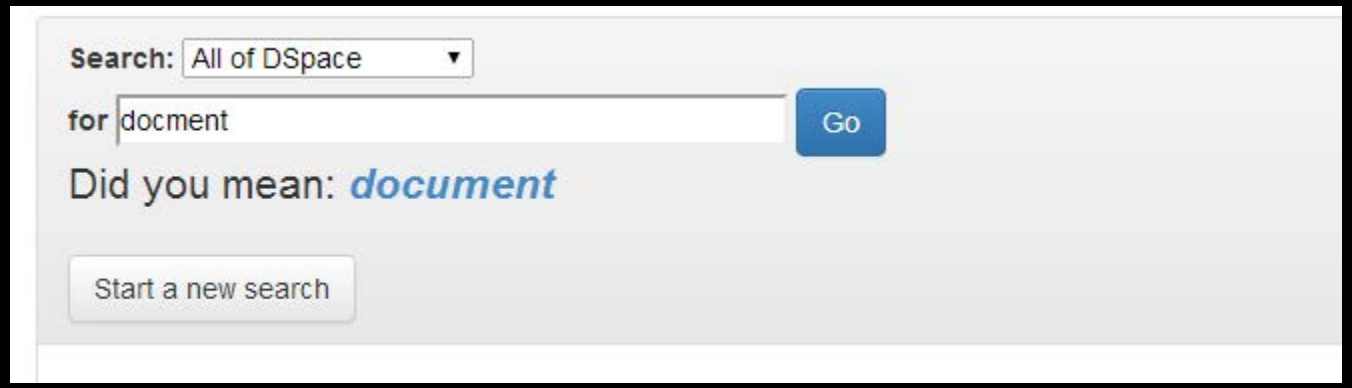


Juan Martìnez

Search User experience improvements

JSPUI & XMLUI

- Spellchecker SOLR component: “Did you mean?”
  - Help the user when the input query has a match using a n-gram index but no match with the “standard” index



It is almost (☹ see DS-1899) enabled out-of-box in a fresh DSpace 4 installation.

```
<bean id="defaultConfiguration"
        class="org.dspace.discovery.configuration.DiscoveryConfiguration“ scope="prototype">
        ….
        <property name="spellCheckEnabled" value="true"/>
</bean>
```

Pay attention: you have multiple configurations!

```
<bean id="org.dspace.discovery.configuration.DiscoveryConfigurationService“  …>
        <property name="map">
        <map>
                <entry key="site" value-ref="homepageConfiguration" />
                <entry key="default" value-ref="defaultConfiguration" />
                <entry key=“123456789/1" value-ref=“customCommunityConfiguration" />
                ….
```

Search: user mishaps… tips

- Hei my publication doesn’t appear in the browse by title list or in search results!
  - Is your publication published in the repository? Publications under workflow are not searchable
  - Is your publication publically accessible? Discoverable and without embargoes?
  - Is your publication just approved for entry in archive? Give the system the time to index it! By default new content becomes available for search and browse within 10 seconds

Search User mishaps…

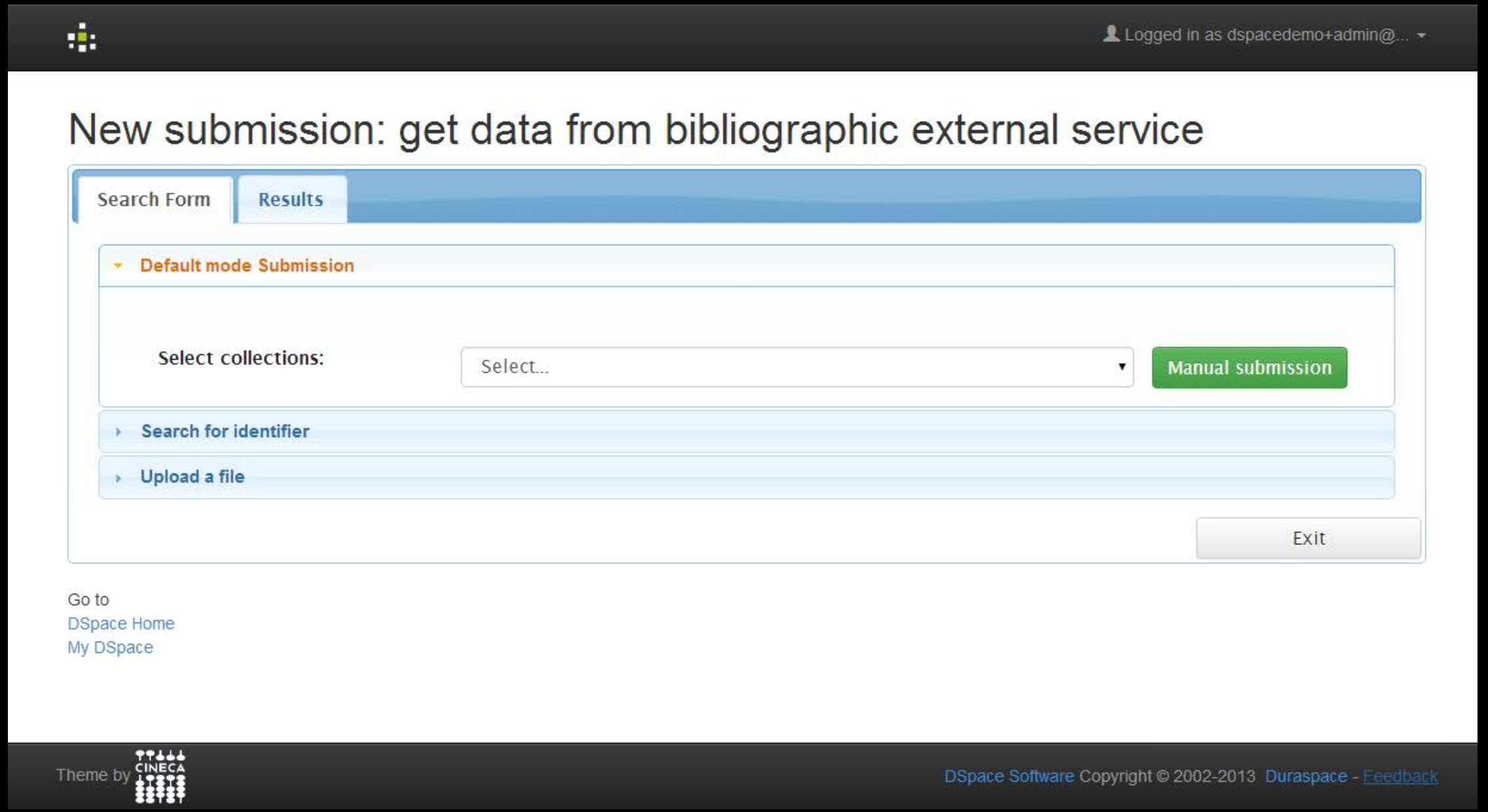
Still having issues?

Ok, you could be right, the indexing procedure in DSpace is separate from the main process that manages item editing and workflow. There is a little chance that SOLR was in trouble when you made the changes and was not able to index.

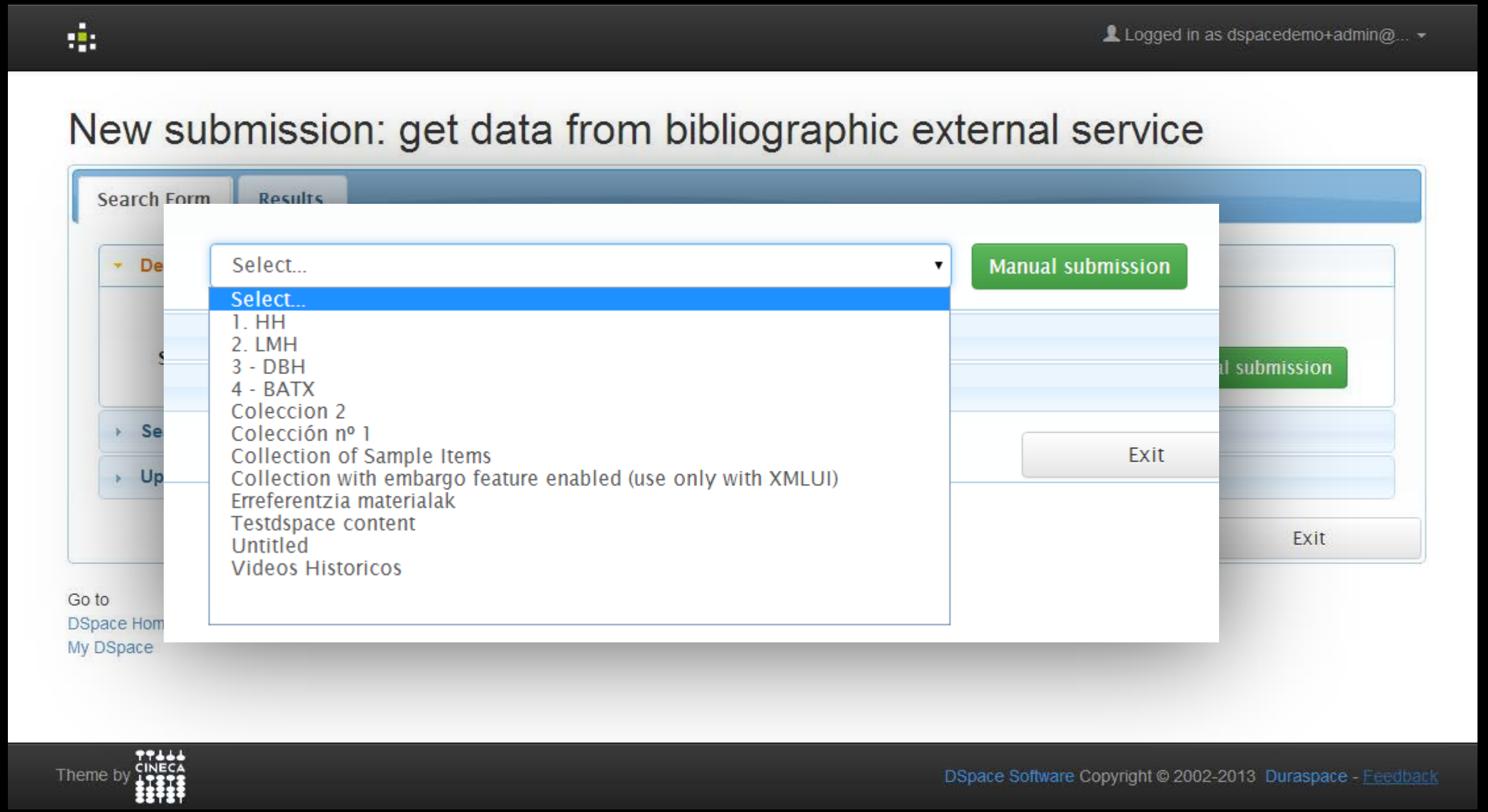
Check the dspace.log files, if this is the case, restart the SOLR webapp and reindex your content

Enhanced Submission

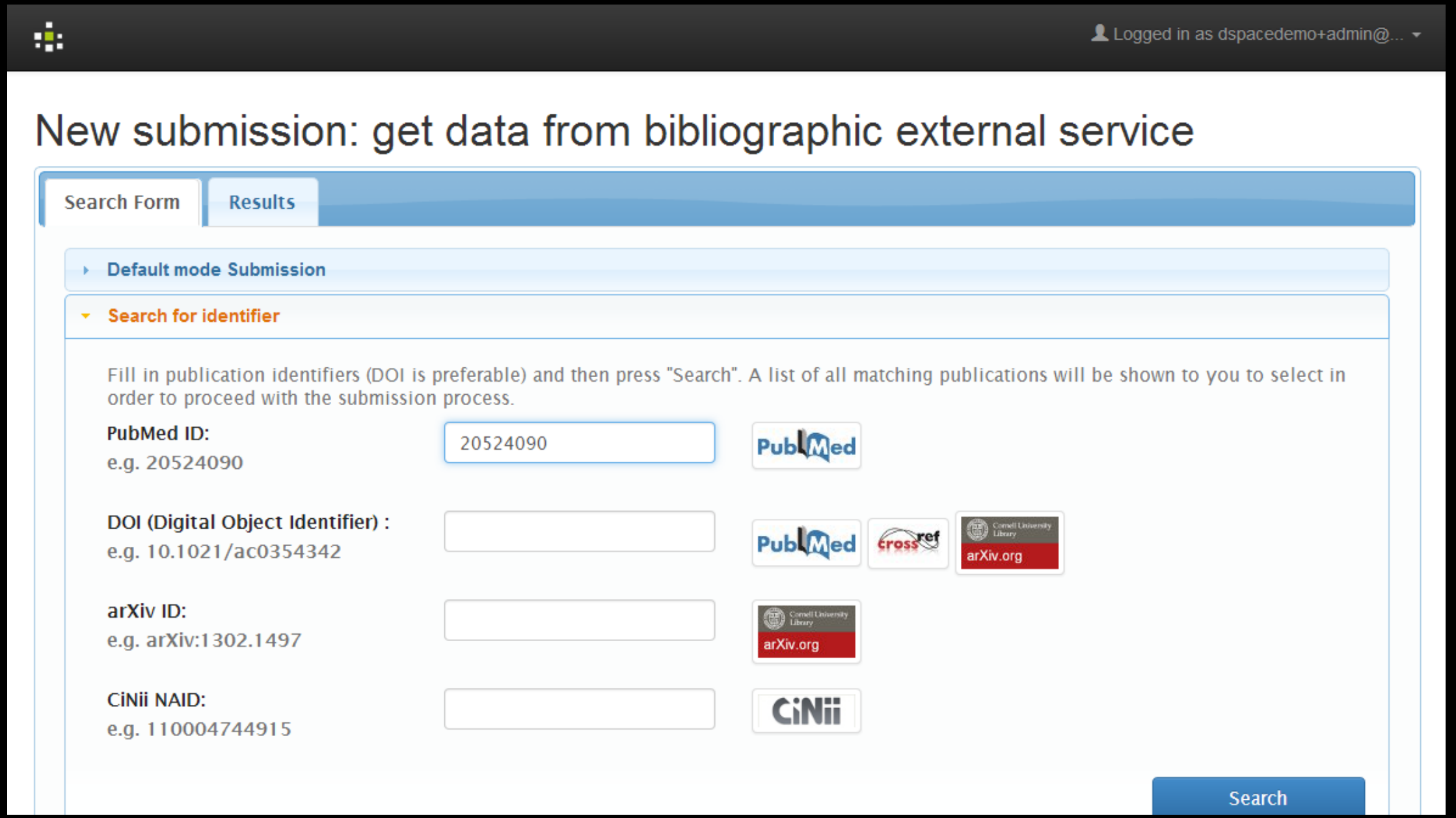
Default mode: traditional



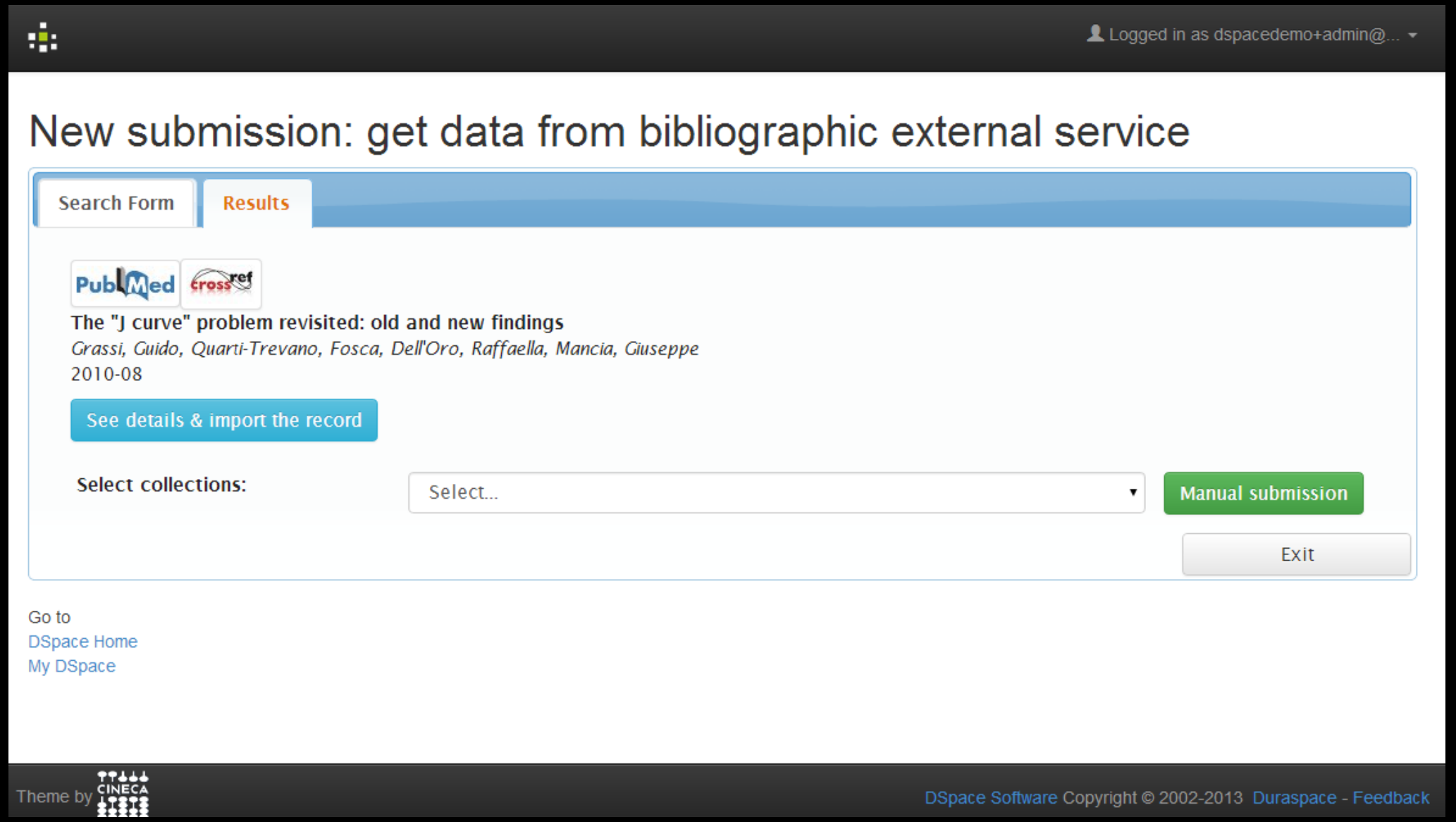
Default mode: traditional



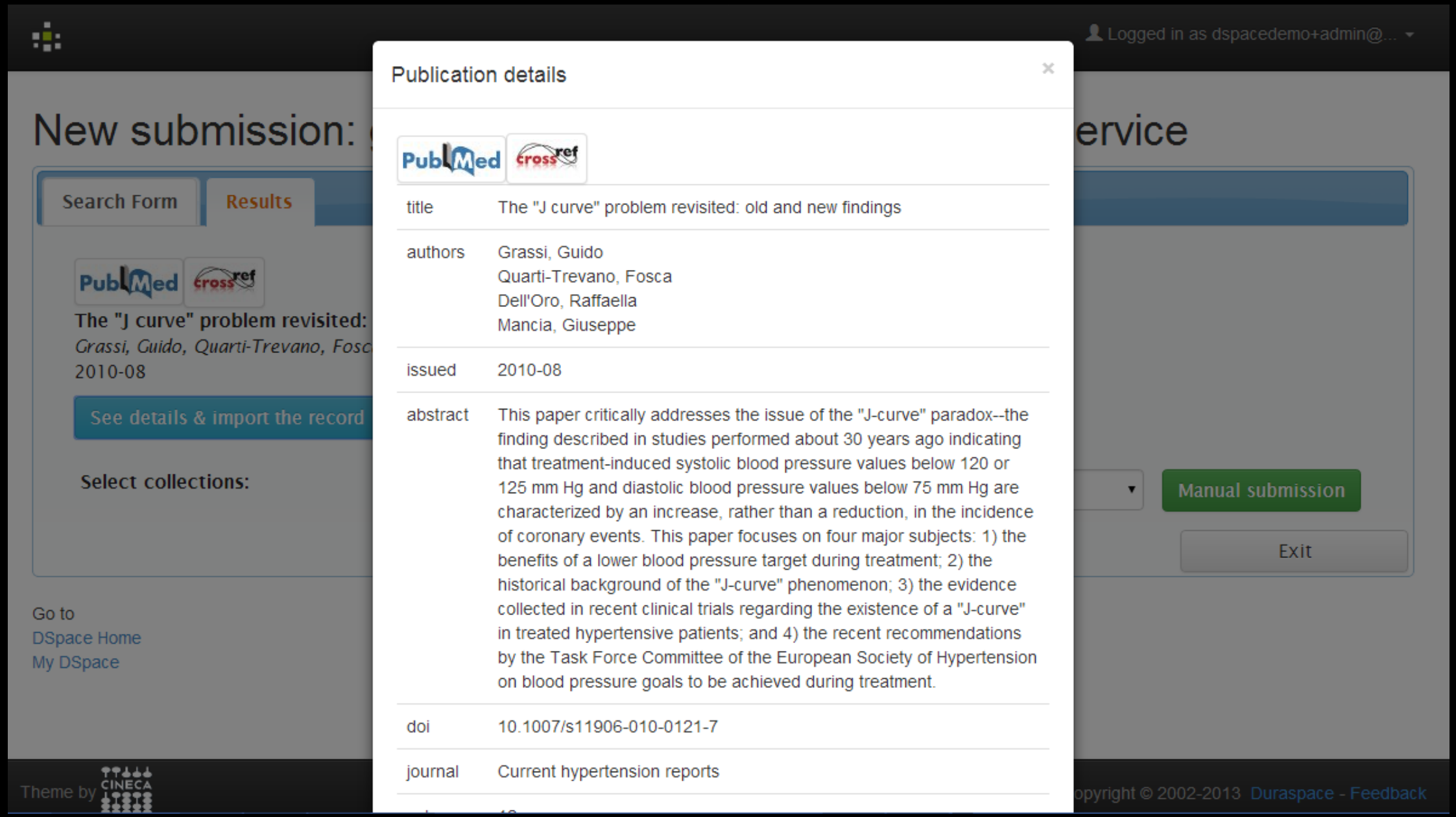
Lookup by identifier



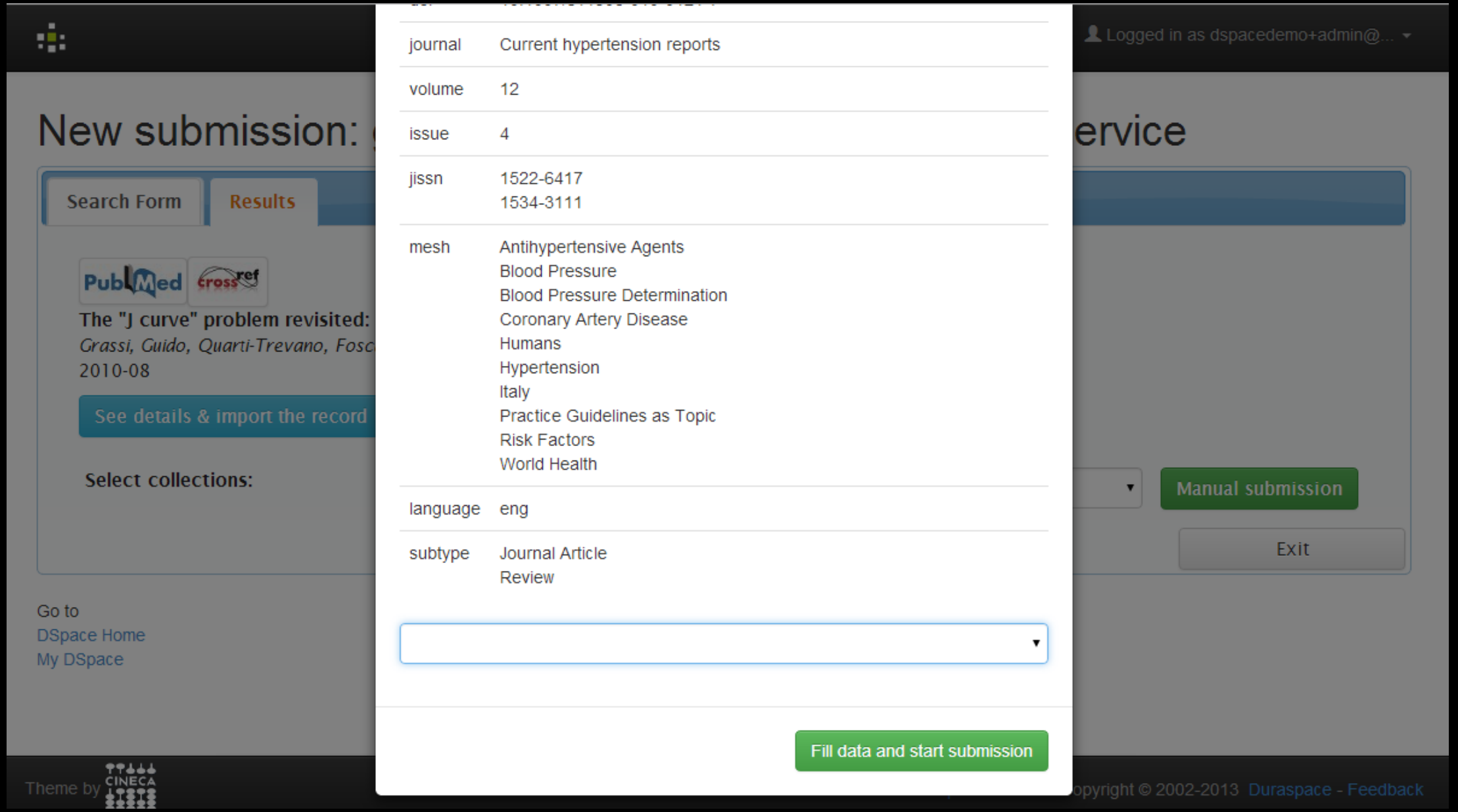
Lookup results



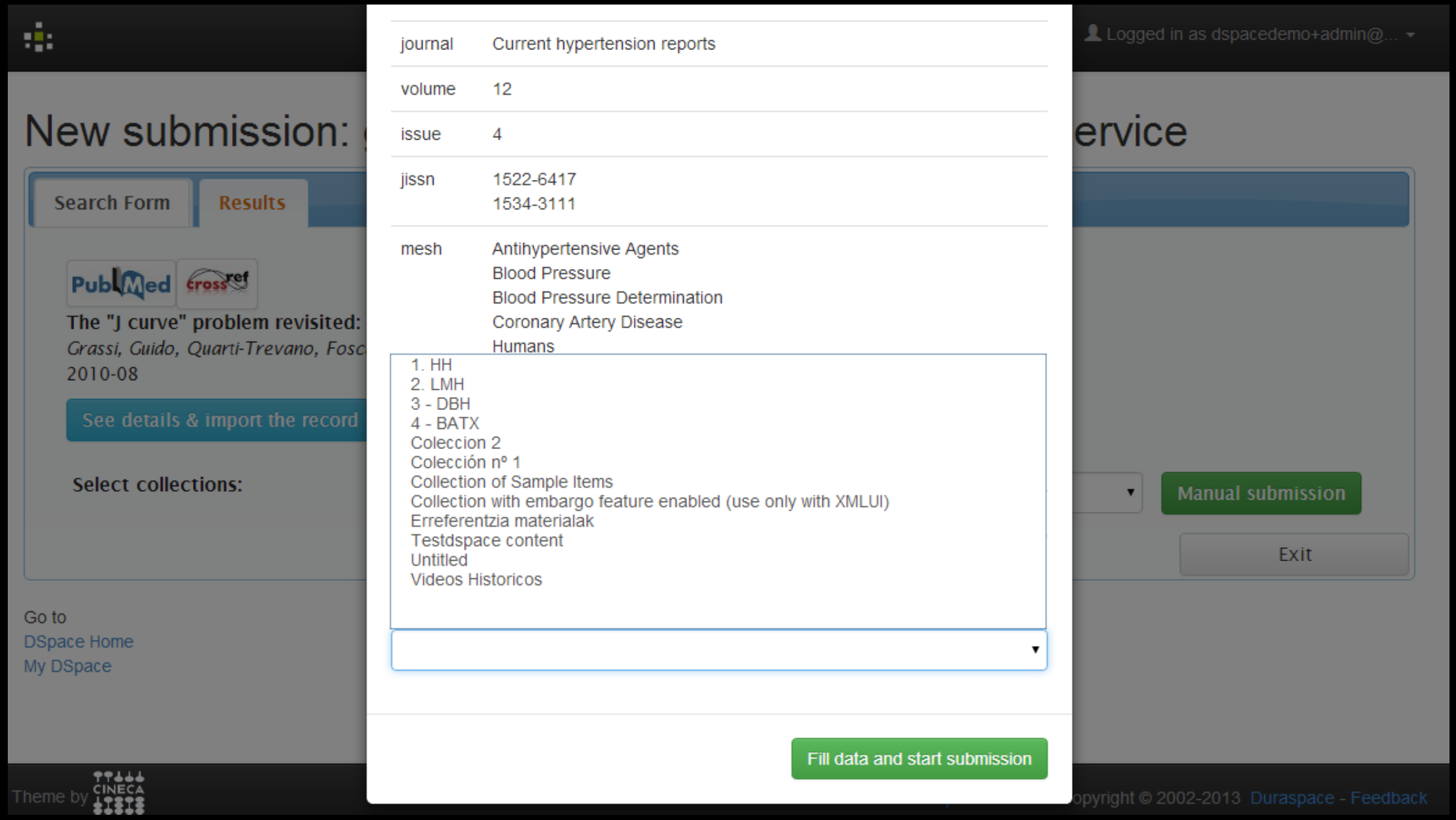
Lookup results



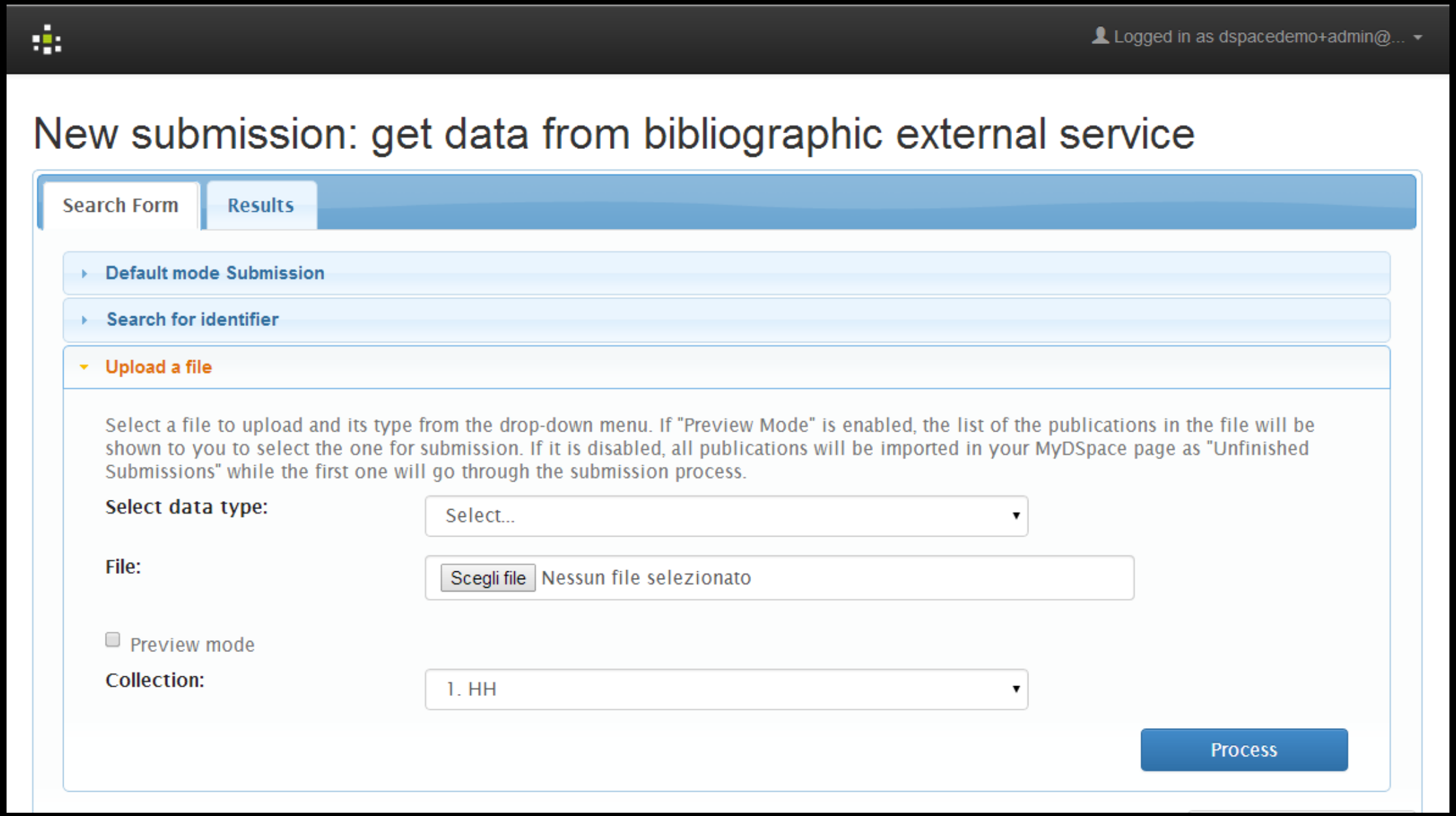
Lookup results



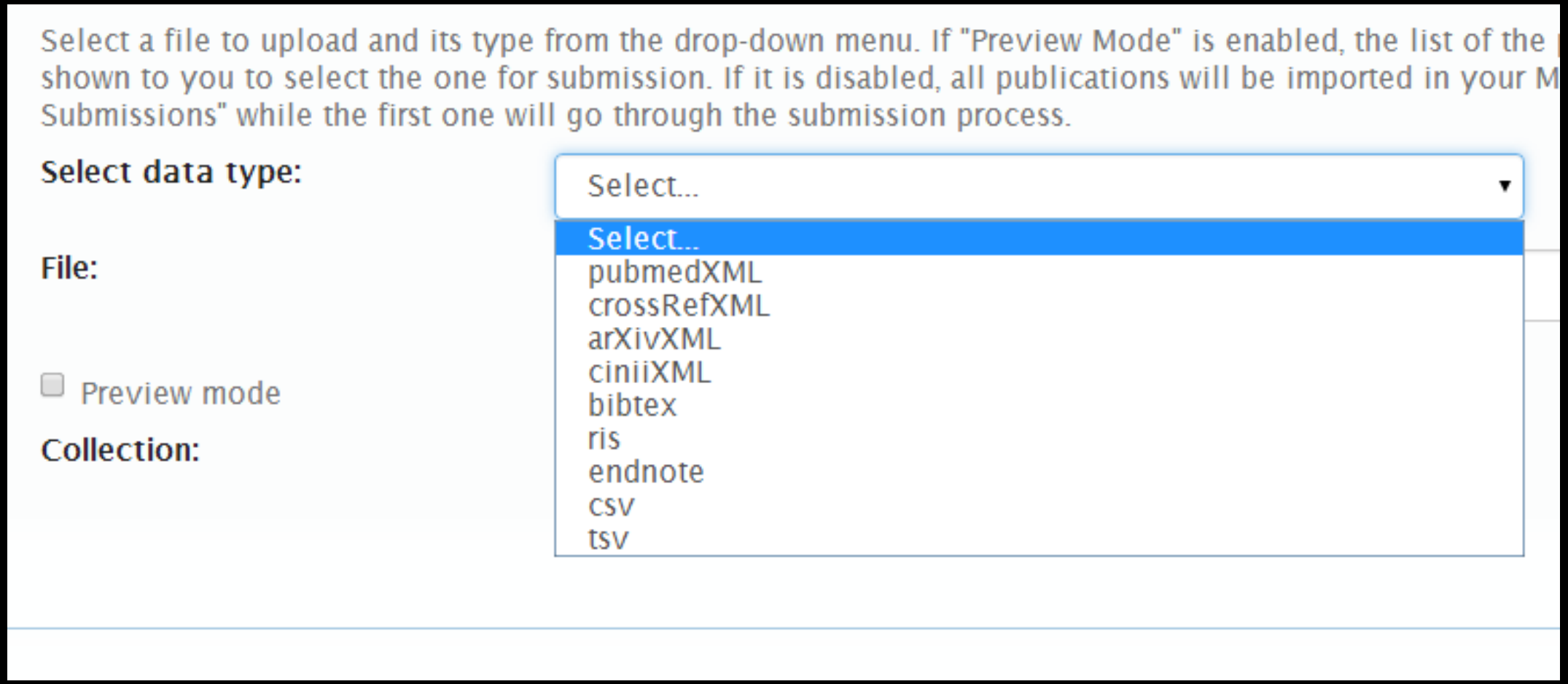
Lookup results



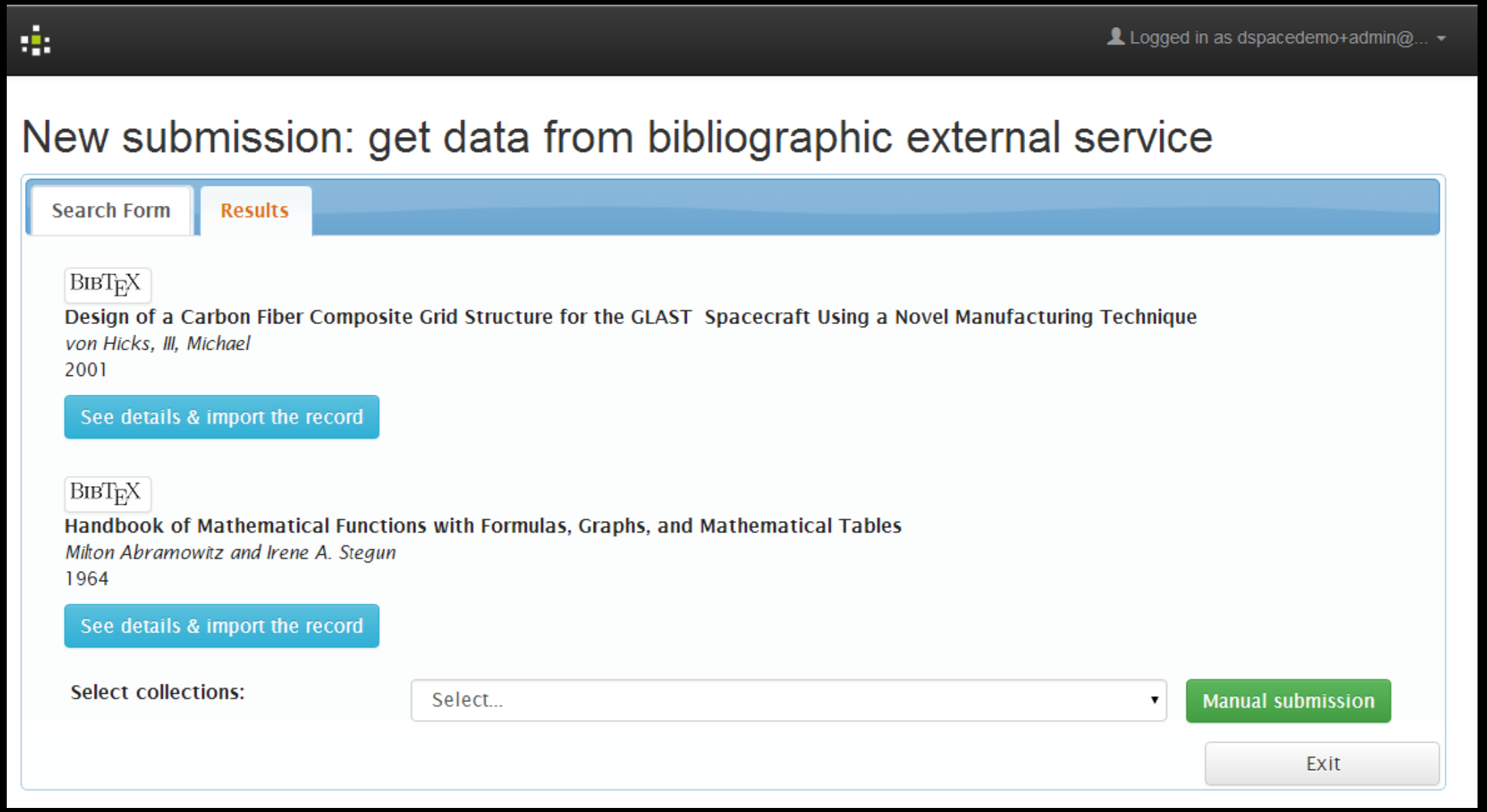
Import by file



Import by file



Import by file: preview



StartSubmissionLookup step

- Available only for JSPUI but doesn't break the XMLUI. Must be enabled in item-submission.xml

```
<step id="collection">
<processing-class>org.dspace.submit.step.StartSubmissionLookupStep</processing-class>
<jspui-binding>org.dspace.app.webui.submit.step.JSPStartSubmissionLookupStep</jspui-binding>
<xmlui-binding>org.dspace.app.xmlui.aspect.submission.submit.SelectCollectionStep</xmlui-binding>
<workflow-editable>false</workflow-editable>
</step>
```

- Built on top of BTE can be further configured and extended via the config/spring/api/bte.xml
  - New providers
  - Tuning metadata mapping
  - Enabling search functionalities

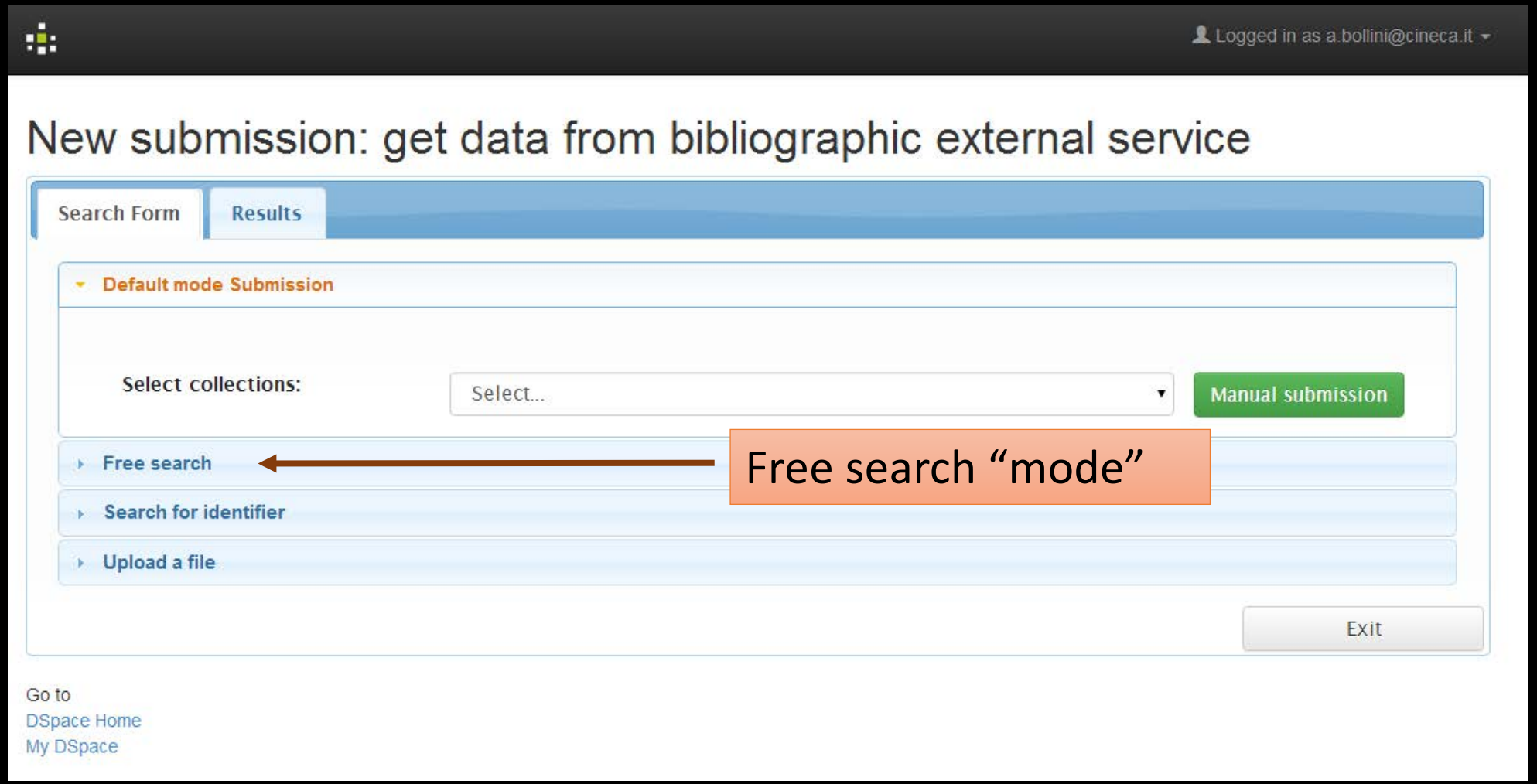
Enabling the free search

The system allows a further “submission mode”: free search across Bibliographic Database. The target provider must supply API to query its internal database with free text or optionally title, authors and date indexes.

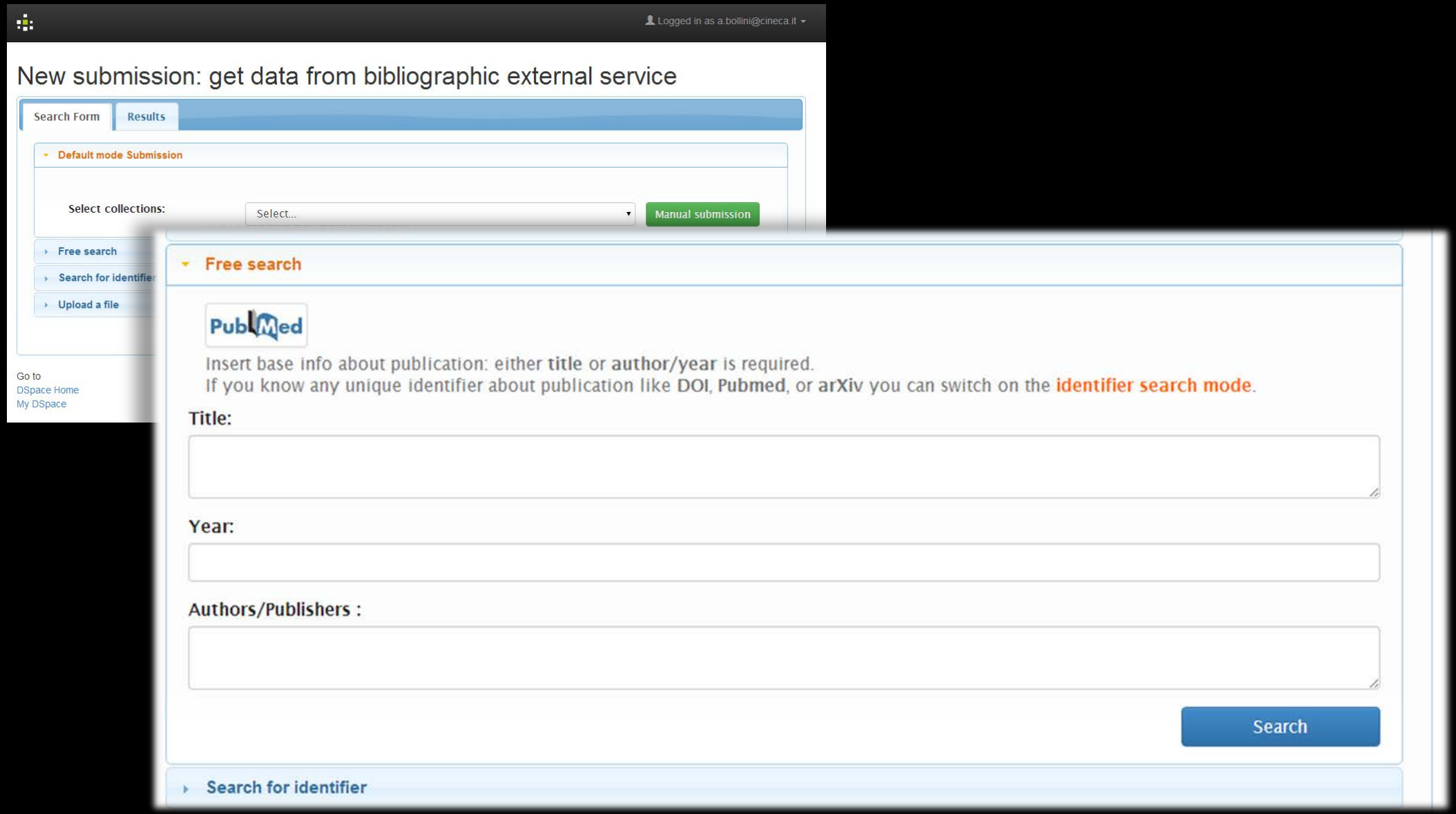
[dspace-dir]/config/spring/BTE.xml

```
<!-- PubMed -->
<bean id="pubmedOnlineDataLoader“
class="org.dspace.submit.lookup.PubmedOnlineDataLoader">
        <property name="searchProvider" value="true" />
        <property name="fieldMap" ref="pubmedInputMap" />
</bean>
```

Free search


Logged in as a.bollini@cineca.it
New submission: get data from bibliographic external service
Search Form
Results
Default mode Submission
Select collections:
Select...
Manual submission
Free search
Search for identifier
Upload a file
Exit
Free search “mode”
Go to
DSpace Home
My DSpace

Free search


Logged in as a.bollini@cineca.it
New submission: get data from bibliographic external service
Search Form
Results
Default mode Submission
Select collections:
Select...
Manual submission
Free search
Search for identifier
Upload a file
Go to
DSpace Home
My DSpace
Free search
PubMed
Insert base info about publication: either title or author/year is required.
If you know any unique identifier about publication like DOI, Pubmed, or arXiv you can switch on the identifier search mode.
Title:
Year:
Authors/Publishers :
Search
Search for identifier

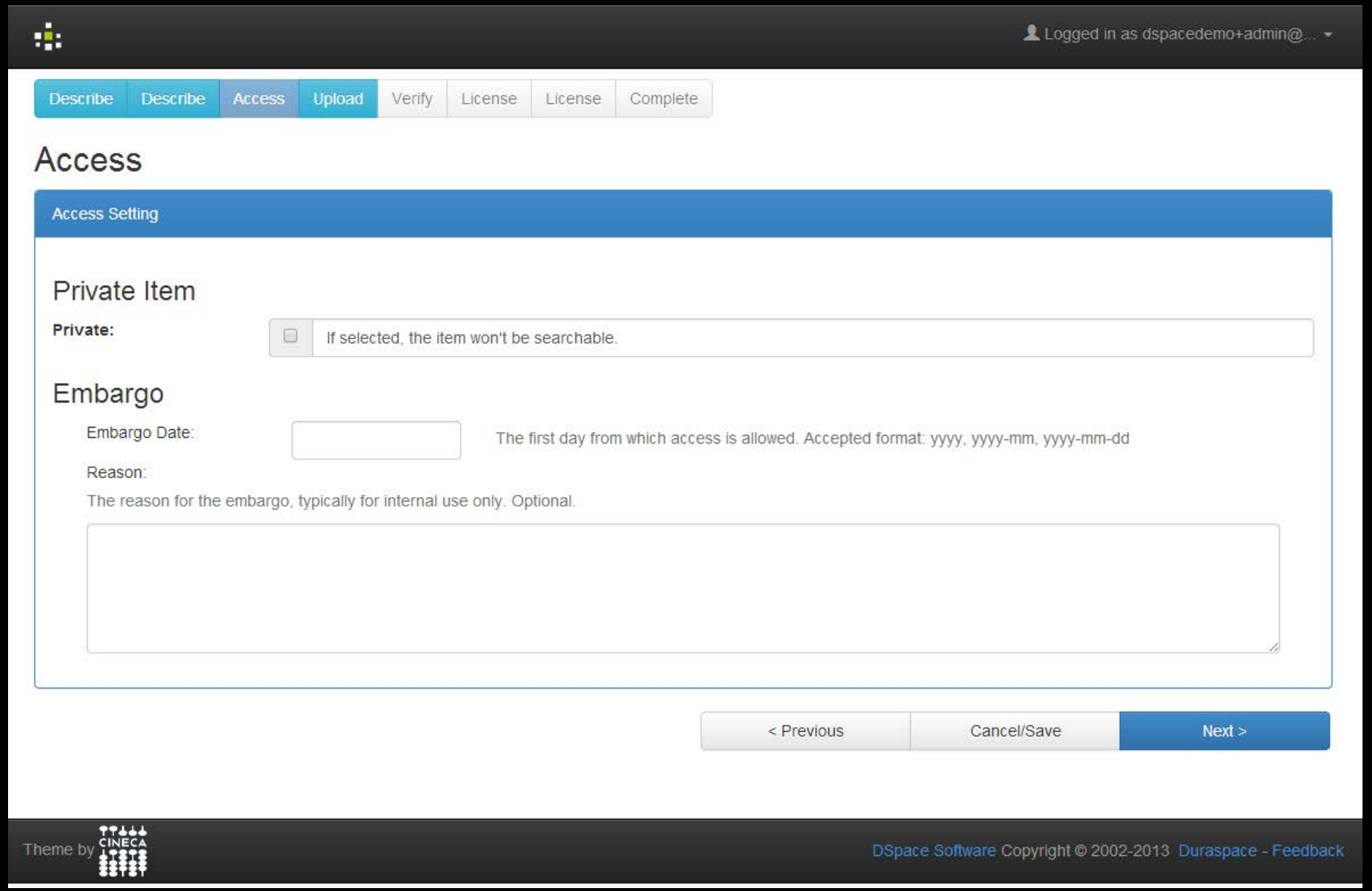
Free search mode

- It is disabled by default
  - It is supported by all the providers supplied out-of-box

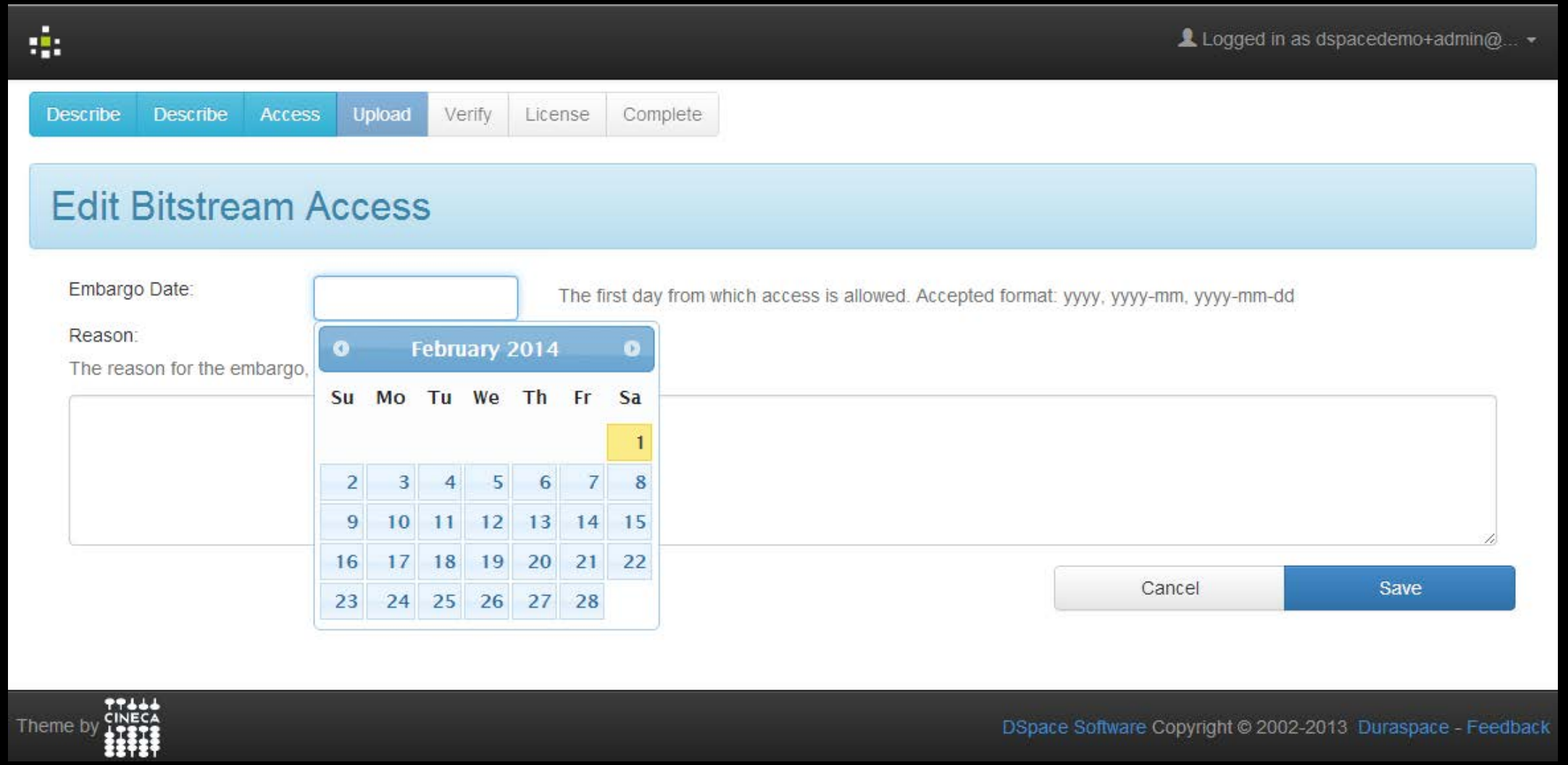
  - Current implementations are sub-optimal

Embargo improvements

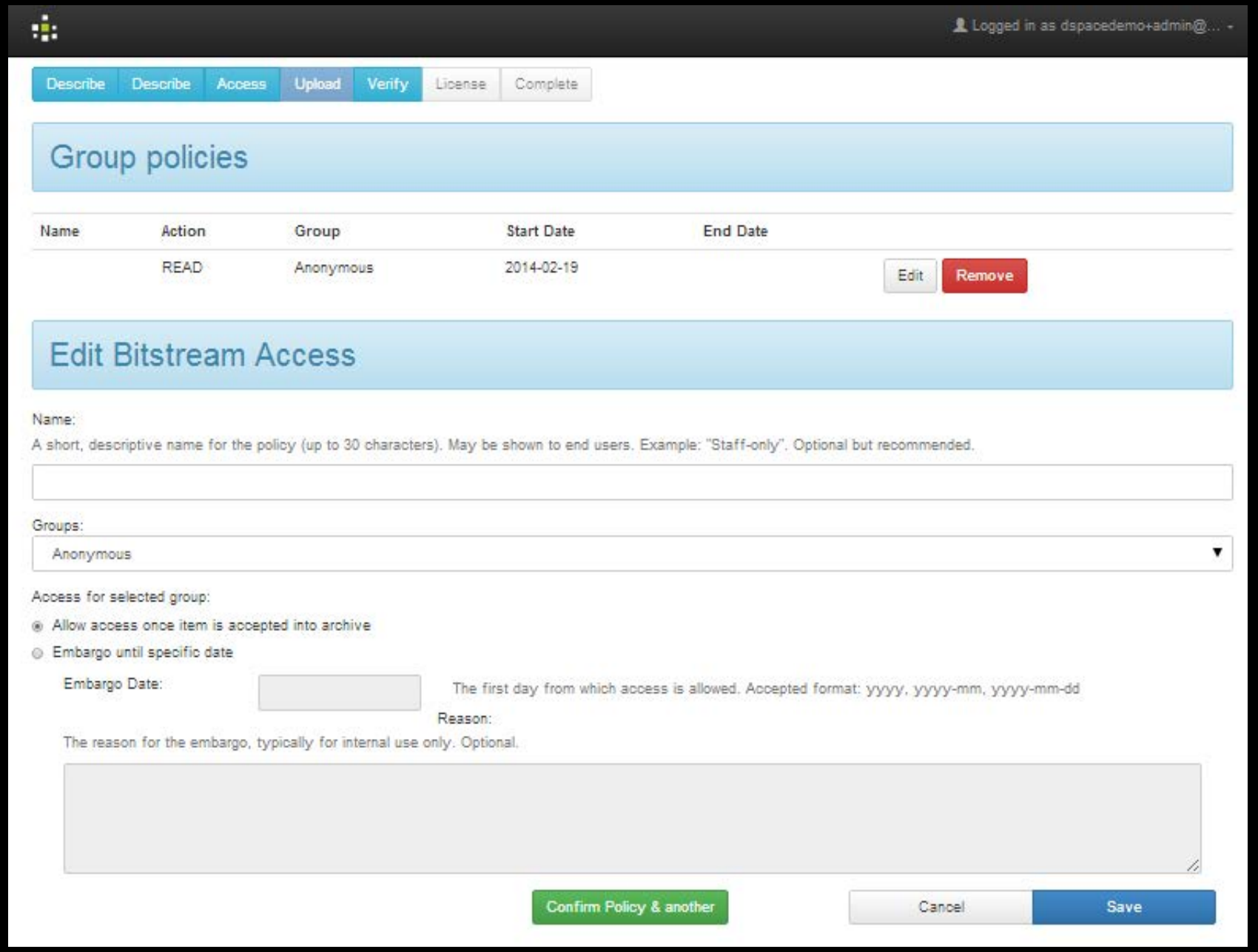
Embargo & private item (also for XMLUI)



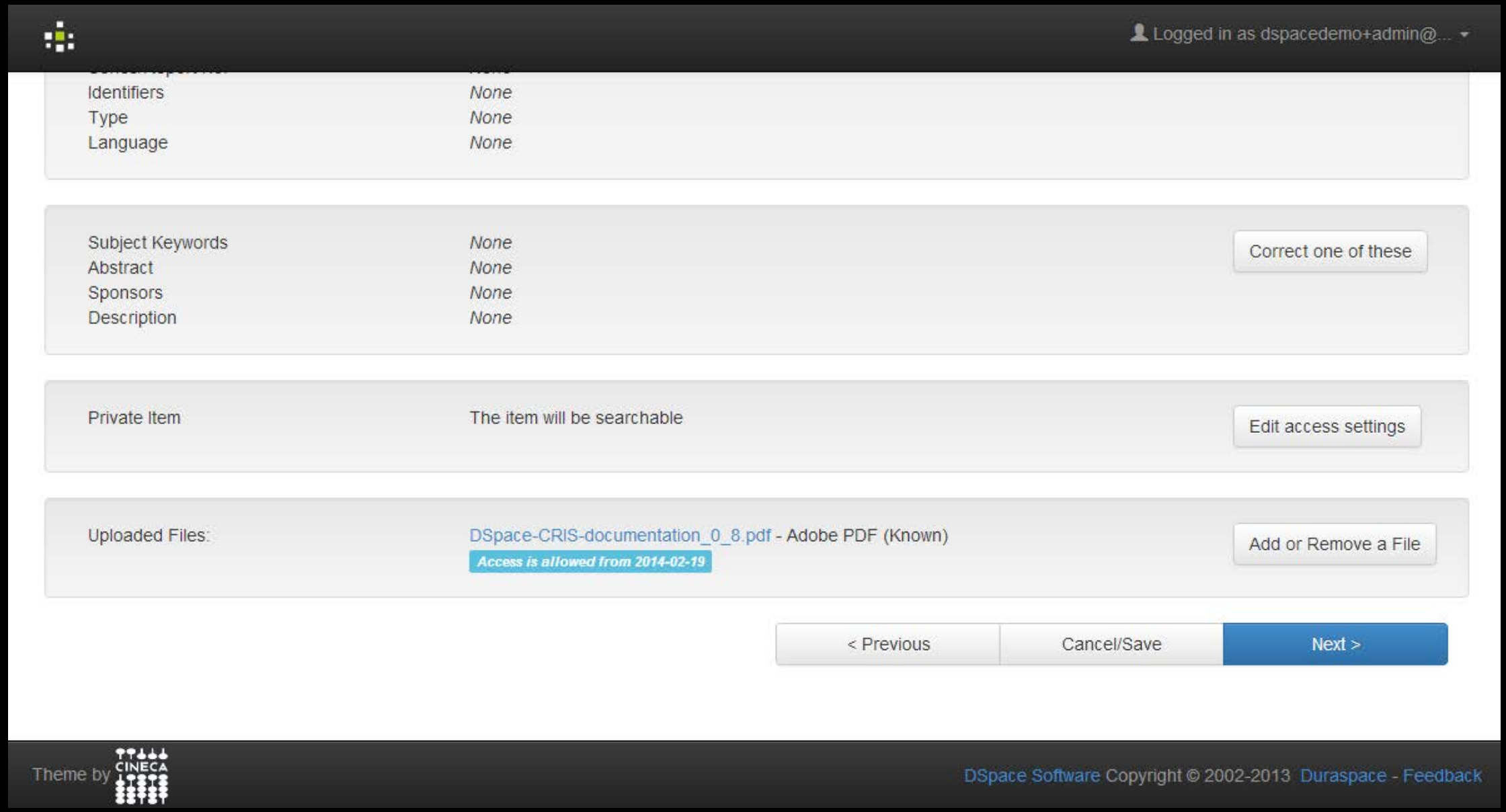
Embargoed Bitstream (also for XMLUI)



Embargoed Bitstream (also for XMLUI)

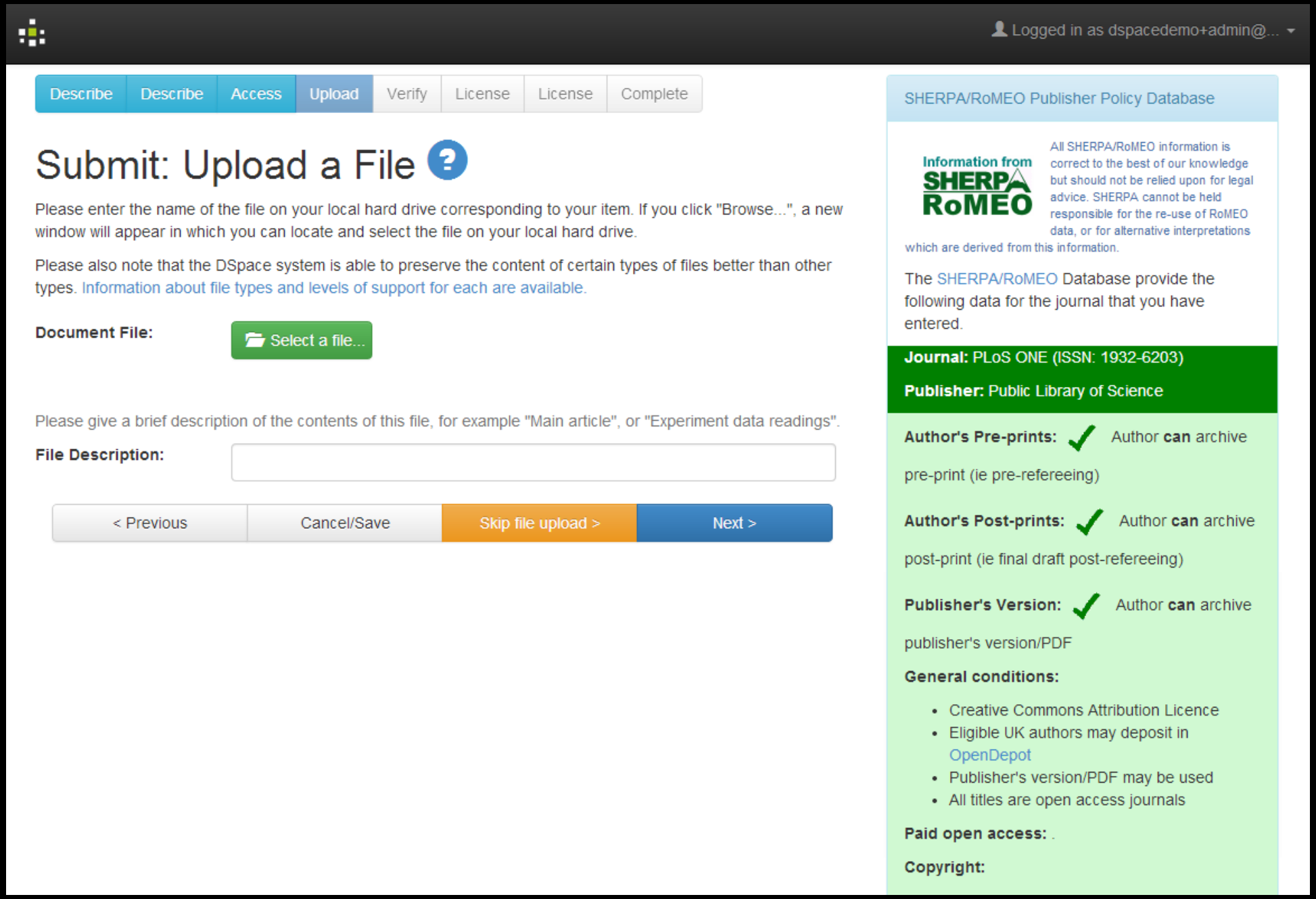


Review embargo (also for XMLUI)



Upload step improvements

Sherpa/RoMEO



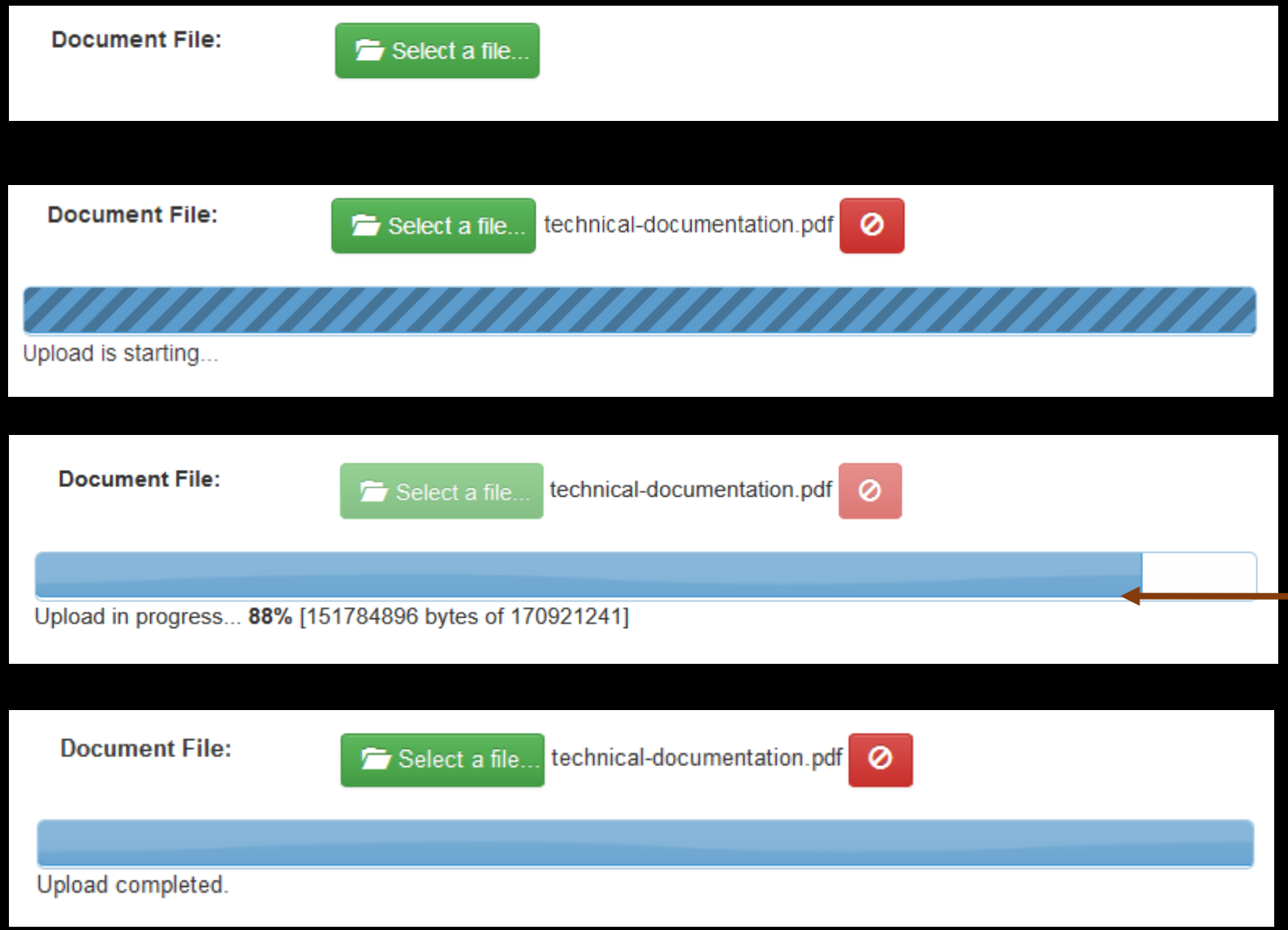
Configure the Sherpa/RoMEO integration

- It is enabled by default but can be disabled via dspace.cfg, i.e.

  webui.submission.sherparomeo-policy-enabled = false

- It is configurable
  - [dspace-dir]/config/spring/sherpa.xml
    - Decide which metadata use for the Sherpa/RoMEO lookup (default dc.identifier.issn)
    - Switch to a different “ISSN Extractor” Strategy. For example you could look in the authority field of a metadata, useful in conjunction with SHERPARoMEOJournalTitle
  - [dspace-dir]/config/dspace.cfg
    - Enable the use of a specific apikey, anonymous user are limited to 500 query/day sherpa.romeo.apikey = YOUR-API-KEY

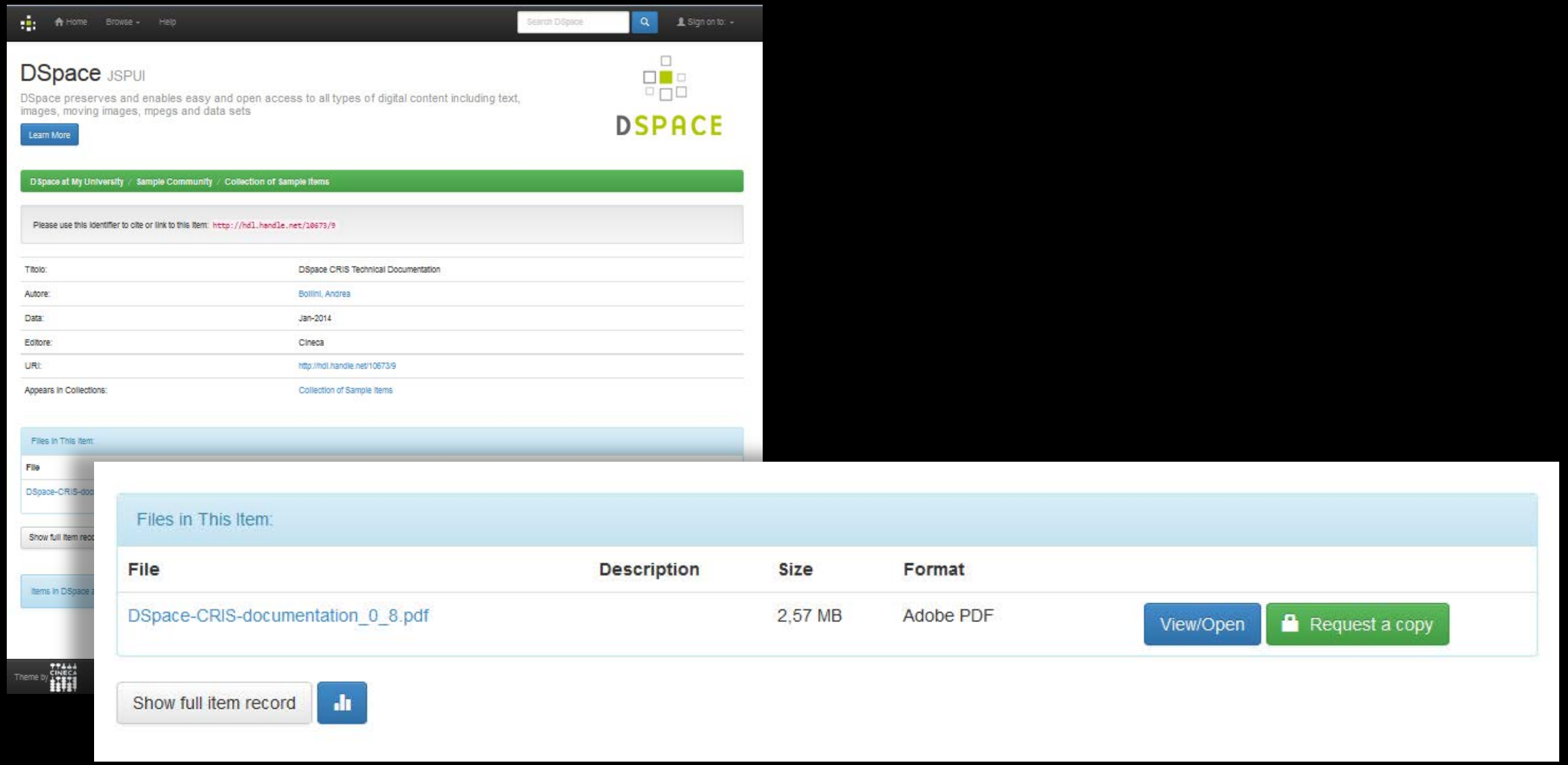
AJAX Upload



DS-1897 JavaScript bug ☹
Fix available → 4.1

Request a copy

JSPUI & XMLUI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Please use this identifier to cite or link to this item: http://hdl.handle.net/10673/9
Titolo: DSpace CRIS Technical Documentation
Autore: Bollini, Andrea
Data: Jan-2014
Editore: Cineca
URI: http://hdl.handle.net/10673/9
Appears in Collections: Collection of Sample Items
Files in This Item:
File
Files in This Item:
File
Description
Size
Format
DSpace-CRIS-documentation_0_8.pdf
2,57 MB
Adobe PDF
View/Open
Request a copy
Show full item record
Theme by CINECA

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Requester name: John Smith

Requester e-mail: xxxxxx@yyyyy.com

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Best regards,
Demo Administrator <bollini80@gmail.com>

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Request a copy configuration

- Who can made the request? dspace.cfg : request.item.type
  - Anonymous users - all
  - Logged-in users - logged
  - Nobody (disable the feature) – empty
- Who receive the request a copy emails? [dspace.dir]/config/spring/api/requestitem.xml
  - Submitter
  - Corresponding author as noted in metadata

A personal comparison of JSPUI vs XMLUI

The following slides reflect the opinion of the presenter, but it is not an official statement from DuraSpace nor the DSpace Committers Group.

JSP UI

PROS:

Lightweight easy-to-learn standard-based technology

First DSpace UI, widely adopted

Skinnable

Mobile friendly

CONS:

Layout hard to customize in depth

Content creation & view logic mixed-up

XML UI

PROS:

Clear separation between content and visualization XML / XSLT

Come by default since DSpace 1.6+

Possibility to use themes also for single community/collection (some themes freely available)

Mobile themes available

CONS:

Complex technology

Strongly coupled with the Apache Cocoon framework (almost stale)

Hardware consumer

Need to be cached for reasonable performance

JSP UI vs XML UI: End user functionalities

- Enhanced submission
  - Bibliographic database integration
  - Sherpa/RoMEO
  - AJAX progress bar
- DSpace-CRIS module*
  - Researcher/OrgUnit/Project profiles
  - Management of authority lists (journals, etc.)
  - Disambiguation for researchers
  - Collaboration Network analysis
  - ……..
- un-official module supported by Cineca http://cineca.github.io/dspace-cris

- Advanced workflow
  - Customizable through XML
- Discovery extra features
  - Highlighting
  - Related items
- Statistics extra features
  - Workflow events
  - Search usage

Choose a UI based on your local preferences and expertise

“Both the JSPUI and XMLUI are supported and in use by members of our Committers Team. Both UI platforms have their advantages and disadvantages. So, we recommend choosing a UI based on your local preferences and expertise. At this point in time, there are no plans to deprecate either UI as they are both in active use throughout our community. If UI deprecation was ever being considered, we would consult with the DSpace Community before making any decisions.”

-- The DSpace Committers Group

Thank you!

Susanna Mornati
IT Solutions for Institutional Research Dept., Head
s.mornati@cineca.it
for Cineca's DSpace Team (Andrea Bollini & Co.)

Link to the Duraspace Webinar with more details and Q/A:
http://bit.ly/dspace4-roundup