

A VRE for the Study of Documents and Manuscripts

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E-Research on Texts and Images colloquium

10th May 2010



oerc

JISC

What is a Virtual Research Environment?

Definition of a VRE:

“The purpose of a VRE is to help researchers in all disciplines manage the increasingly complex range of tasks involved in carrying out research. A VRE will provide a framework of resources to support the underlying processes of research on both small and large scales, particularly for those disciplines which are not well catered for by the current infrastructure.” (JISC)

“A set of online tools, systems and processes interoperating to facilitate or enhance the research process within and without institutional boundaries.” (Mike Fraser – OUCS)

Building a VRE for the Humanities



- Initial project looked at requirements for an Institutional VRE for the Humanities in Oxford
- Capturing user requirements from researchers across the division
- How do the Humanities differ from large scale Science?
- No predefined technology (ground up approach)
- Build 3 to 4 prototypes/demonstrators

User Requirements: Tools for research

- Communication tools:
 - Video conferencing/Access Grid
 - VoIP
 - Chat facilities/IM
- Collaborative document editing
 - Keep track of multiple versions of a draft manuscript
- Locating research material:
 - Search on-line databases
 - Cross Search multiple sources
 - Retrieve and Integrate data from multiple sources (DataGrids)
 - Provide a Front End to ease this rather than replacement for existing source

User Requirements: Tools for research

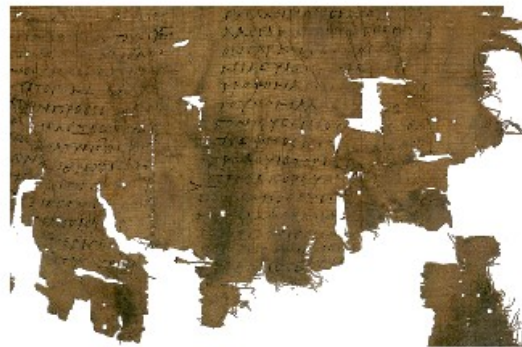
- A personal working space
 - Store
 - View
 - Organise
 - Annotate
- Share work space to enable collaboration
 - personal collection and notes
 - view/edit remotely
- Bibliography Management
- Assistance in Publishing online
 - Personal Content Management System
- Links to Institutional Repository

Virtual Workspace for the Study of Ancient Documents

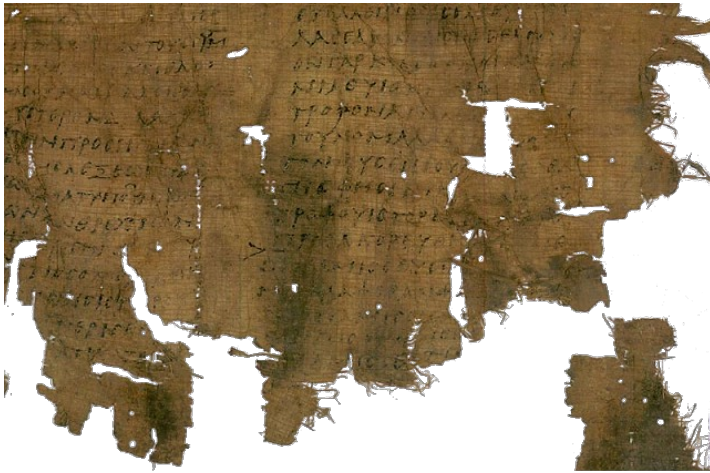
- To support a st

- Medical
- Databa
- interest
- BVREH
- use the

- An interface allowing browsing and searching of multiple image collections, including tools to compare and annotate the researcher's personal collection

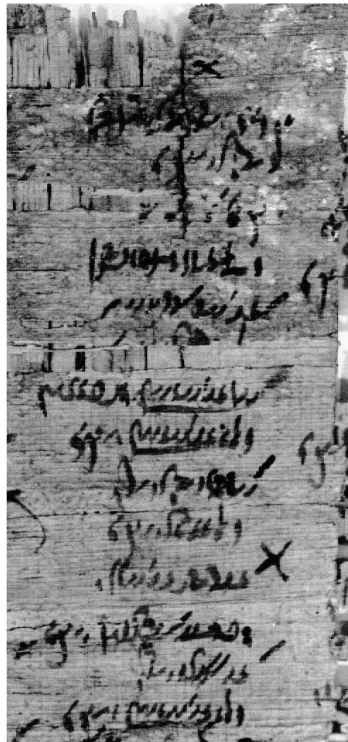


A Virtual Research Environment for the Study of Documents and Manuscripts



“I have seen the future and it works”

Dorothy J.Thompson, FBA, Fellow of Girton College Cambridge,
President of the Association Internationale de Papyrologues, 1998



col. vi

- 115 X
 116 sh . 'P3'-šr-Hnm s3 P3-di-Wsir
 117 3 | T3-B3st.t t3y=f rmt.t
 118 rmt 6 (wp-s.t) 'hwt 3'
 119 n3 hrd.w n3 rs.w
 120 / Hr (s3) ~~3l~~ hr ..
 121 [T3]-'šr.t-Hnm t3y=f rmt.t'
 122 P3-di-Hr-p3-bik s3 Yn. . .
 123 / T3-šr.t-Hr-p3-bik t3y=f rmt.t
 124 P3-di-~~Wsir~~ p3y=f sn
 125 T3-šr(t)-~~Tskw~~. t3y=f rmt.t
 126 X 'Hr-~~Is~~-Is.t' s3 Hr-p3-ntr ~~X~~
 127 1/2 T3-3brgwn t3y=f rmt.t
 128 1/2 Hr-llw p3y=f sn
 129 T3-šr.t-Hr-p3-bik t3y=f rmt.t

top of column

T3-B3st.t !
 on verwacht !
 T3-wp-(w3w.t) to
 mogelijk

! per P3 !

policemen
 with

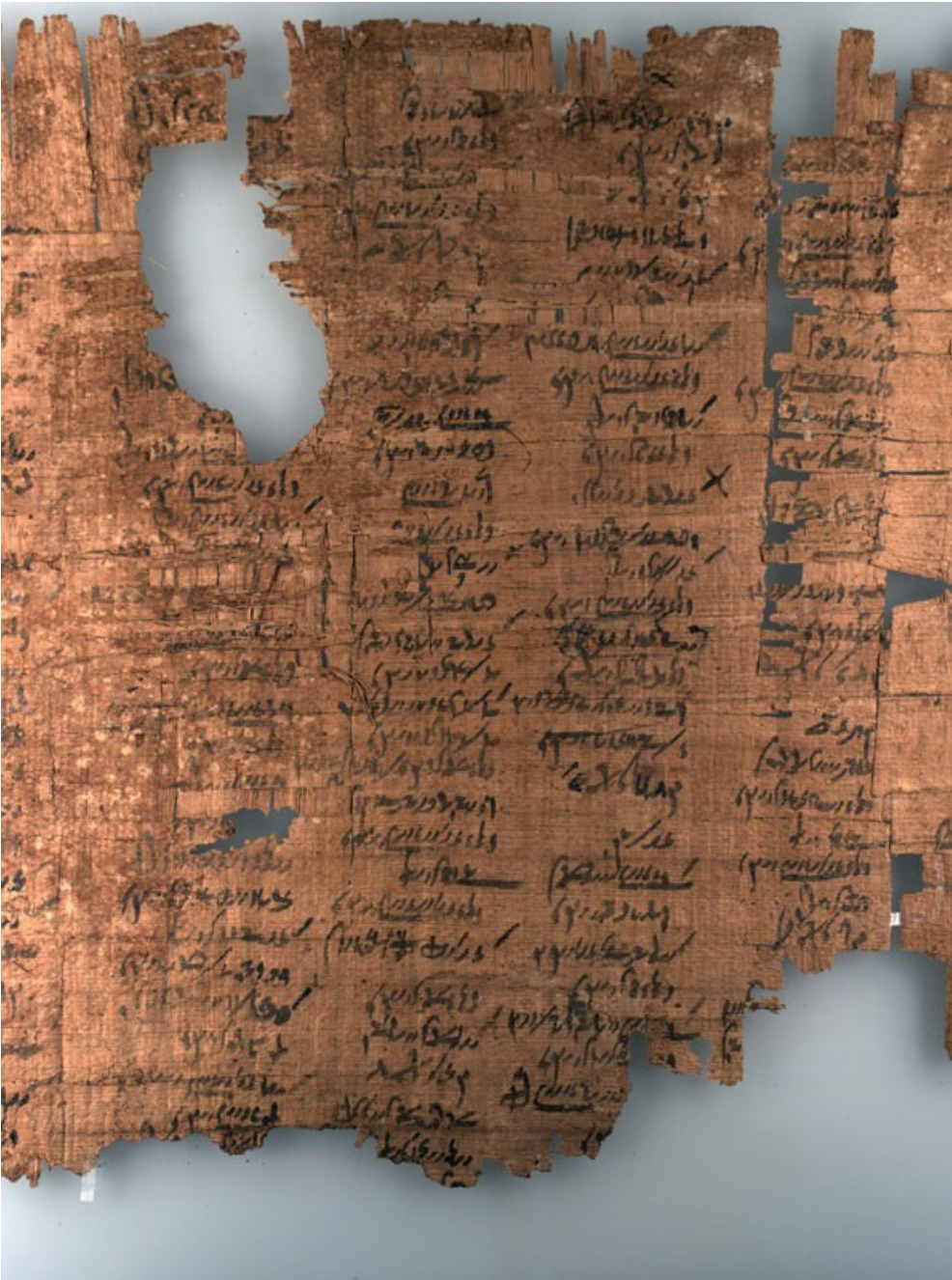
Imm ^{hkr} (?)
 → 121

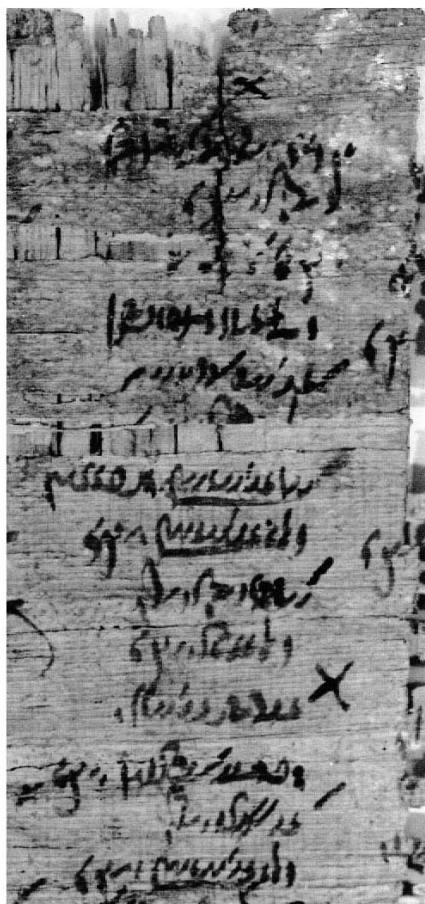
g of r of m ?

"I have seen the future and it works"

Dorothy J. Thompson, FBA, Fellow of Girton College Cambridge,
 President of the Association Internationale de Papyrologues, 1998

Monday 29 January saw an unusual carload on its way to Oxford: Willy Clarysse from Leuven and Dorothy Thompson from Cambridge and - pride of place on the back seat - the demotic papyrus from Rifeh described by Sir Herbert Thompson in 1907 and recently rediscovered in University College, London. Our destination was the Centre for the Study of Ancient Documents where this Lycopolite population register was to be digitised. The text is one of the longest surviving of such texts and one of the few from outside the Fayum; it dates from the second century BC. The writing of its 21 columns is small and faint in many places. Already John Tait (UCL) had made a preliminary transcription, and he and Willy Clarysse had then spent several days poring over this text together, turn by turn, with magnifying glass in hand, but much still remained unread. International cooperation needs every modern aid it can find and the chance offered in Oxford of capturing the image of this papyrus in digitised form was a welcome one. Lighting was borrowed from the Ashmolean - and there at the Centre in St. Giles photography began. Excitement was in the air; comparison with the image of a photograph showed a marked improvement on the screen but there was no time then for real work on the text. The resulting images were stored in digitised form, for passing down the line to Clarysse in Leuven and Tait in London. Teaching and term then intervened. The scene shifts to late afternoon on Tuesday 19 March 1996. Clarysse and Tait are together in Oxford for a conference and Ursula Kaplony-Heckel from Marburg is also here. It is with some trepidation that they call up the images on the screen in the Documents Centre. Will the text really be more legible than when they last worked together on the original and made only insignificant changes to their earlier readings? (Thompson looks on and listens as they start to look at the screen.) First they must locate where they are (that comes quickly), learn to play with the image, to zoom in and out on the difficult readings and to work the colour contrast that highlights the ink that was faded. Soon work is under way. Three people, no longer crouched and hunched but sitting at ease, stare across at the screen together; the adrenaline starts to flow. Suggestions for readings are made; a quick flip of the screen to two columns earlier allows a speedy check with names and elements of names that went before. Gods' determinatives emerge, a host of local names; the script comes to life. Decipherment is underway; the parts that before were illegible slowly take their place on the page. The transcription is transformed; the texts grows and, though much of this damaged text is still obscure, it is significantly improved (see the facsimile of the transcript above).





col. vi

115

X

top of column

T3-B3st.t!
onverwacht!

T3-wp-(w3w.t) is
mogelijk

116

sh . 'P3'-šr-Hnm s3 P3-di-Wsir

117

3

T4-B3st.t t3y=f rmt.t

118

rmt 6 (wp-s.t) 'hwt 3'

119

n3 hrd.w n3 rs.w

120

/

Hr (s3) ~~3l~~ hr ..

! Open P3!

policieman
with

121

[T3]-'šr.t-Hnm t3y=f rmt.t'

122

P3-di-Hr-p3-bik s3 Yn. . .

123

/

T3-šr.t-Hr-p3-bik t3y=f rmt.t

124

P3-di-~~...~~ Wsir p3y=f sn

Imm ^{hkr} ~~sp~~ (?)
→ (2)

125

T3-šr(t) Tukw. t3y=f rmt.t

126

X

'Hr-~~Is~~-Is.t' s3 Hr-p3-ntr ~~XX~~

127

4

T3-3brgwn t3y=f rmt.t

g of h of m?

128

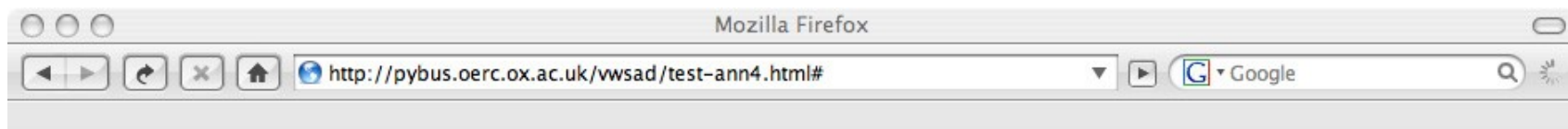
1

Hr-llw p3y=f sn

129

T3-šr.t-Hr-p3-bik t3y=f rmt.t

Reading the Lycopolite census from Rifeh



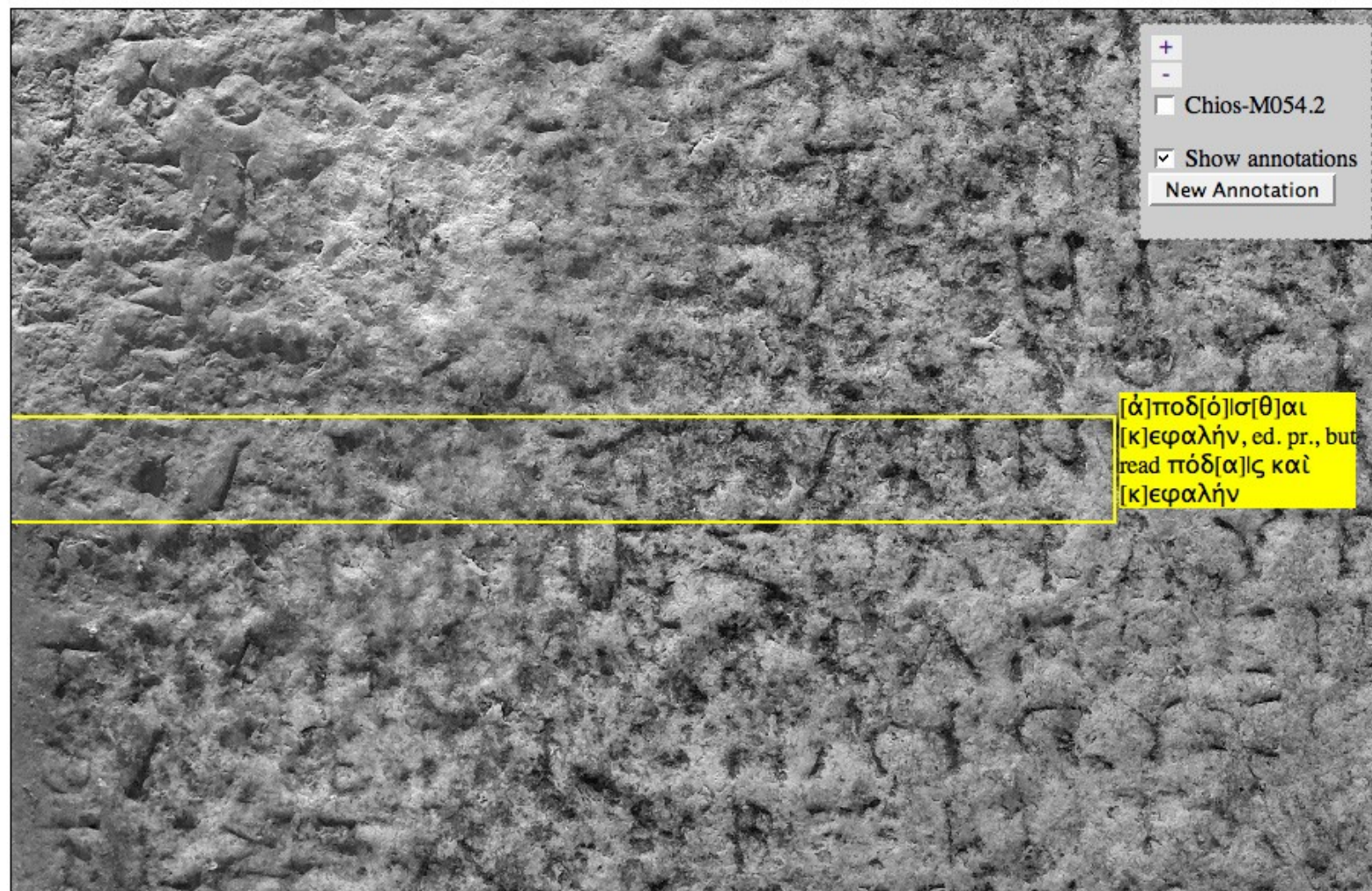
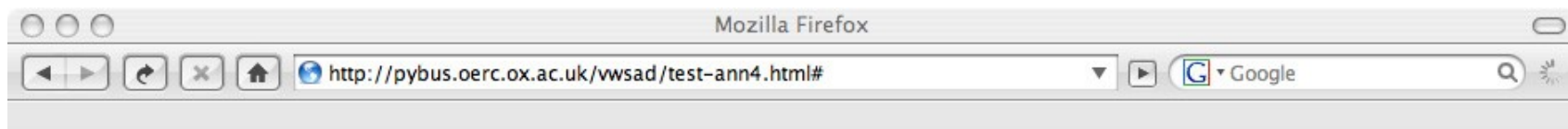
+

-

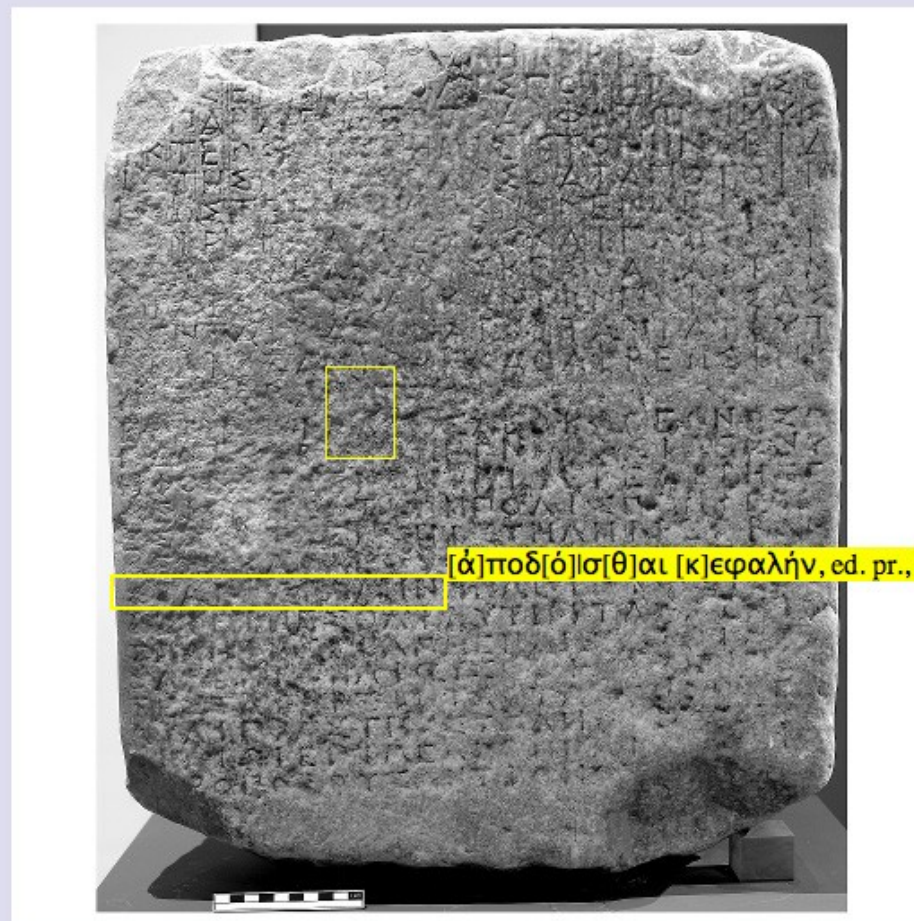
☐ Chios-M054.2

☐ Show annotations

New Annotation



Done



+
-
☐ Chios-M054.2
☒ Show annotations
New Annotation

[ἀ]ποδ[ό]σ[θ]αι [κ]εφαλήν, ed. pr., but read πόδ[α]ς καὶ [κ]εφαλήν

uPortal

http://vre.humanities.ox.ac.uk/tag.b83e67bbe0300a59.render.userLayoutRootNode.target.n135.uP?uP_portlet_actor

Google

Most VisitedPHIIntegrated Archaeol...VSDAM-Portal

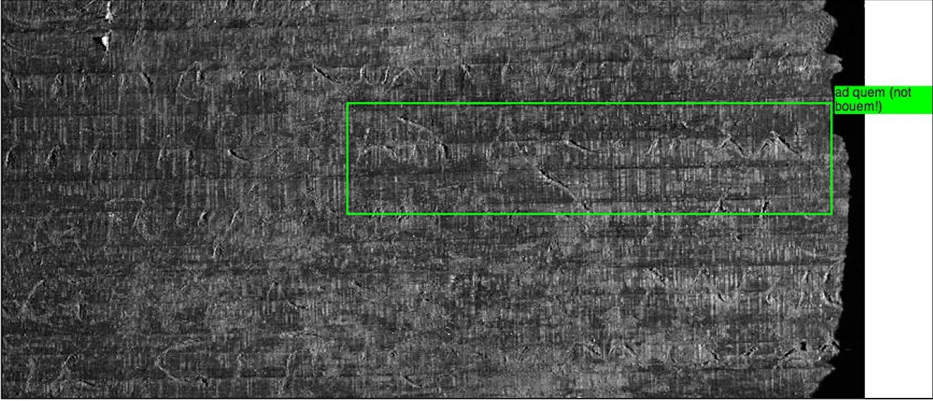
A VRE for the Study of Documents and Manuscripts

Welcome Crowther CharlesHome | Site Map | Preferences | Logout

ProjectsImage ViewerImage CompareAdminEntertainment

Image Viewer

Objectview=ObjectView_Seg_roi_Frisia-005056.jpg_34673Image=Seg_roi_Frisia-005056.jpg



+
-
Show annotations

Key - annotations are coloured by project:
Tolsum front
public
New Annotation

Annotation text: ad quem (not bouem!)

Annotation project: Tolsum front

CancelAccept

CommentsPortlet

Discussions:
Start a new thread with a general comment (no location):

send

LGNP Portlet

(from LGPN-Portlet.war)
Δαμστ.*
(Try: Ζώ.* Δαμστ.* Δαματρίος)
search

Google Portlet

Search

x

powered by Google


Image List

Search Images


Results in Tolsum frontAll results

Display in image viewer: OneTwo


There were 4 images named "" in project "Tolsum front".




Seg_wgFreeM2_highlightDiff



Seg_roi_Frisia-005058.jpg



Seg_roi_Frisia-005056.jpg



Seg_M2C_IC_Frisia-005058

Powered by uPortal 2.6.0

Done

uPortal

http://vre.humanities.ox.ac.uk/tag.2141651e57333222.render.userLayoutRootNode.target.n135.uP7uP_portlet_action

Google

Most VisitedPHIIntegrated Archaeol...VSDAM-Portal


A VRE for the Study of Documents and Manuscripts

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ProjectsImage ViewerImage CompareAdminEntertainment

Image Viewer

Objectview=ObjectView_Chios-M73_37434Image=Chios-M73



+

-

☒ Show annotations

Key - annotations are coloured by project:


ChiosMagistrates

public

New Annotation

CommentsPortlet

Discussions:



[Υ]ρρανδος ?

[reply](#)

Start a new thread with a general comment (no location):

send

LGPN Portlet


(from LGPN-Portlet.war)

(Try: Ζω.* Δαματ.* Δαματριος)

1. [Υρρανδος](#) 424 BC - 424 BC Athens
2. [Υρρανδος](#) 411 BC - 411 BC Athens
3. [Υρρανδος](#) 375 BC - 325 BC Athens
4. [Υρρανδος](#) 350 BC - 301 BC Athens
5. [Υρρανδος](#) 399 BC - 350 BC Anaphlystos
6. [Υρρανδος](#) 375 BC - 325 BC Thorikos
7. [Υρρανδος](#) 0 AD - 100 AD Chios
8. [Υρρανδος](#) 199 BC - 150 BC Chios
9. [Υρρανδος](#) 99 BC - 50 BC Chios
10. [Υρρανδος](#) 500 BC - 400 BC Styra

Google Portlet

x

powered by 

Powered by uPortal 2.6.0

Done

VRE aims



- Support Collaboration
 - as if a group of scholars sitting round the table
 - works in a web browser
- Customisable
 - choose and arrange the things you need



uPortal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://vre.humanities.ox.ac.uk/tag.6c420b71f58a0bcd.render.userLayoutRootNode.uP?uP_root=rc

Welcome Admin User [Home](#) | [Site Map](#) | [Channel Admin](#) | [Preferences](#) | [Logout](#)

uportal
by JASIG


Portlets Main Entertainment Admin Tools Development CWebProxy

Google Portlet

powered by Google™

Word of the Day

A new word is presented every day with its definition and example sentences from actual published works.



ensorcell: Dictionary.com Word of the Day
ensorcell: to enchant; to bewitch.

Test Portlet 1

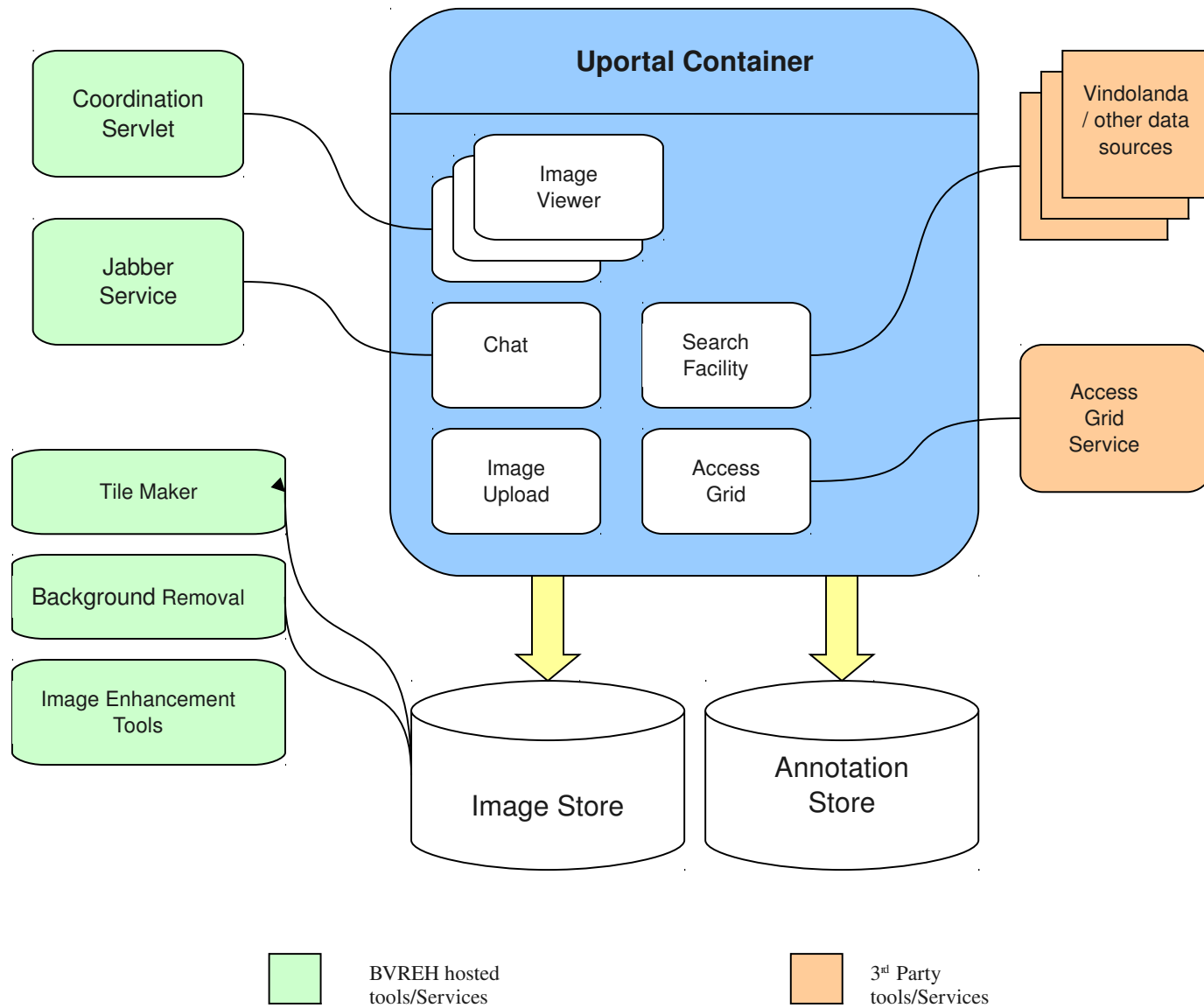
This portlet is a portlet specification compatibility test portlet. It provides several tests of varying complexities which will assist in evaluating compliance with the portlet specification. It was originally developed for testing Apache Pluto, however, it does not utilize any proprietary APIs and should work with all compliant portlet containers.

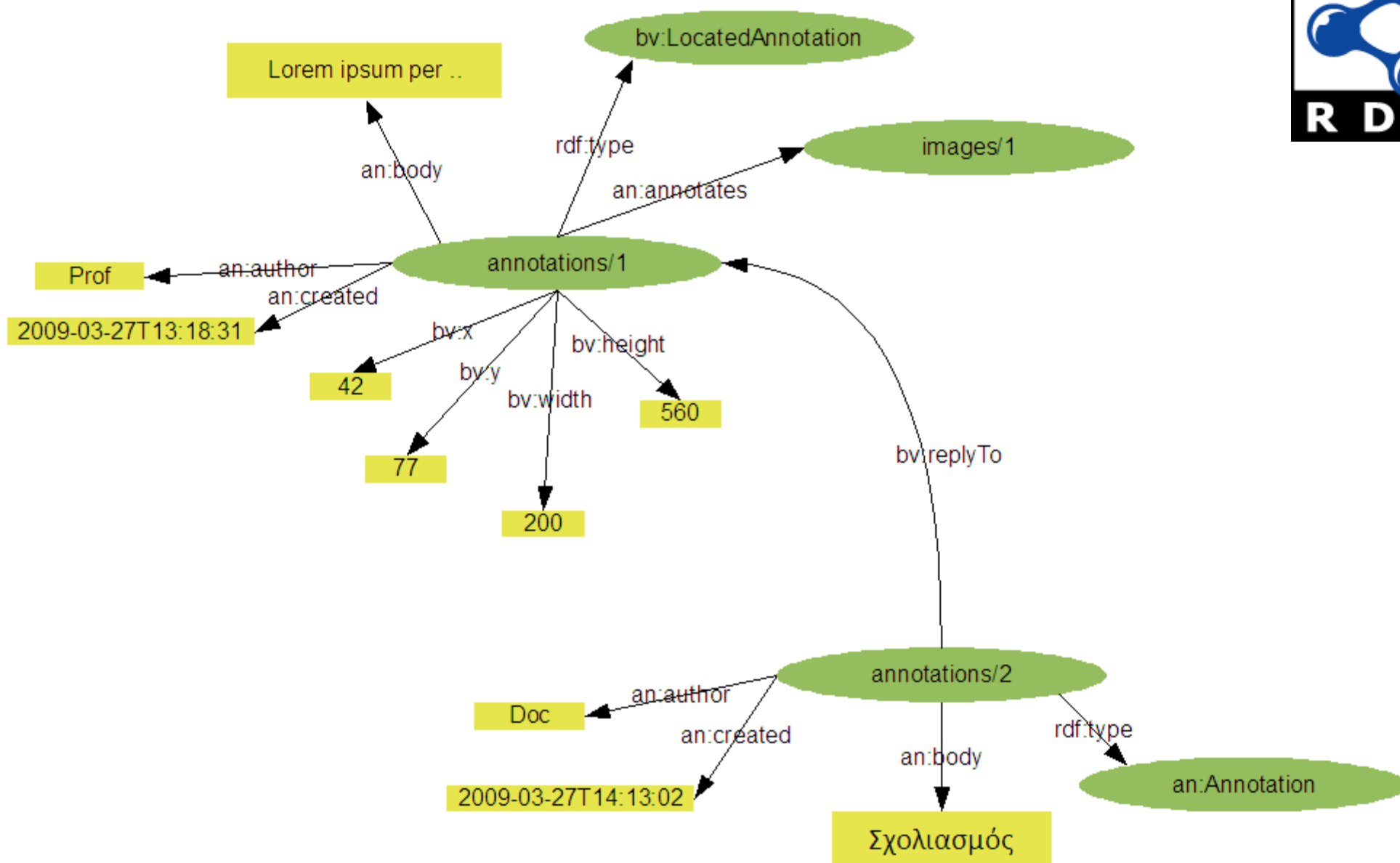
Please select one of the following tests:

Simple Parameter Test	Test
Simple Attribute Test	Test
Complex Attribute Test	Test
External App Scoped Attribute Test	Test
Context Init Parameter Test	Test
Simple Preference Test	Test
Portlet Mode Test	Test
Window State Test	Test
Misc Test	Test
Security Mapping Test	Test
Resource Bundle Test	Test

Library Search

http://vre.humanities.ox.ac.uk/tag.ffe4bd64a8291102.render.userLayoutRootNode.uP?uP_root=root&uP_sparam=activeTab&activeTab=2

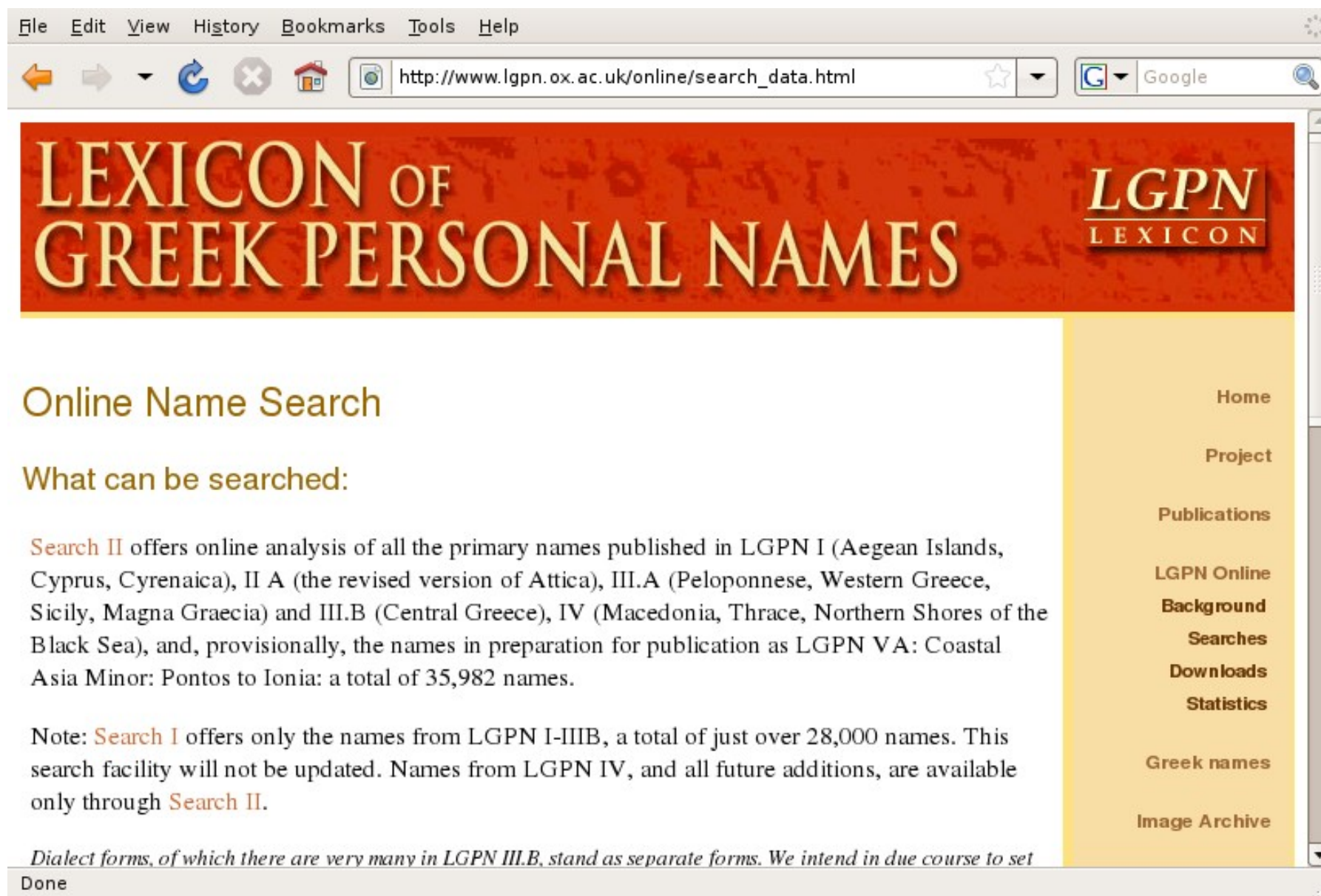




an = <http://www.w3.org/2000/10/annotation-ns#body>
 bv = <http://bvreh.humanities.ox.ac.uk/vocab/1.0#>
 rdf = <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>

Linking to other data sources

The Lexicon of Greek Personal Names



The screenshot shows a web browser window with the address bar displaying http://www.lgpn.ox.ac.uk/online/search_data.html. The browser's menu bar includes File, Edit, View, History, Bookmarks, Tools, and Help. The page features a prominent red header with the title "LEXICON OF GREEK PERSONAL NAMES" in large, gold, serif capital letters. To the right of the title is the "LGPN LEXICON" logo. Below the header, the main content area is white. On the left side of this area, the text "Online Name Search" is displayed in a gold serif font. Below this, the heading "What can be searched:" is followed by a paragraph explaining that "Search II" offers online analysis of all primary names published in LGPN I (Aegean Islands, Cyprus, Cyrenaica), II A (the revised version of Attica), III.A (Peloponnese, Western Greece, Sicily, Magna Graecia) and III.B (Central Greece), IV (Macedonia, Thrace, Northern Shores of the Black Sea), and, provisionally, the names in preparation for publication as LGPN VA: Coastal Asia Minor: Pontos to Ionia: a total of 35,982 names. A note below states that "Search I" offers only the names from LGPN I-III.B, a total of just over 28,000 names, and that this search facility will not be updated. Names from LGPN IV, and all future additions, are available only through "Search II". At the bottom of the main content area, a line of italicized text reads: "Dialect forms, of which there are very many in LGPN III.B, stand as separate forms. We intend in due course to set". On the right side of the page, there is a vertical yellow sidebar containing a list of navigation links: Home, Project, Publications, LGPN Online, Background, Searches, Downloads, Statistics, Greek names, and Image Archive. The browser's status bar at the bottom left shows the word "Done".

File Edit View History Bookmarks Tools Help

http://www.lgpn.ox.ac.uk/online/search_data.html

Google

LEXICON OF GREEK PERSONAL NAMES

LGPN LEXICON

Online Name Search

What can be searched:

Search II offers online analysis of all the primary names published in LGPN I (Aegean Islands, Cyprus, Cyrenaica), II A (the revised version of Attica), III.A (Peloponnese, Western Greece, Sicily, Magna Graecia) and III.B (Central Greece), IV (Macedonia, Thrace, Northern Shores of the Black Sea), and, provisionally, the names in preparation for publication as LGPN VA: Coastal Asia Minor: Pontos to Ionia: a total of 35,982 names.

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Dialect forms, of which there are very many in LGPN III.B, stand as separate forms. We intend in due course to set

Done

- Home
- Project
- Publications
- LGPN Online
- Background
- Searches
- Downloads
- Statistics
- Greek names
- Image Archive



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Projects

Image Viewer

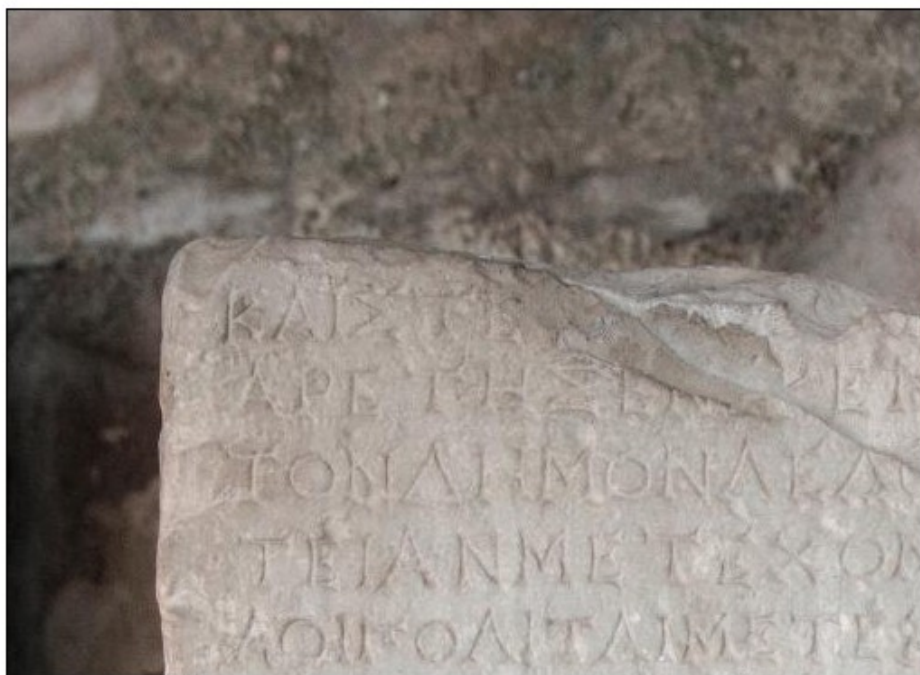
compare

Admin

Image Viewer

NB: no project selected.

ObjectView_iasos_64754: iasos

☒ Show annotations

CommentsPortlet

Discussions:

staff said on 1233145323716^^<http://www.w3.org/2001/XMLSchema#long> : ...

LGPN Portlet

(from LGPN-Portlet.war)

(Try: Ζω.* Δαματ.* Δαματριος)

Image List

There were 22 images named "la".

0-9 [10-19](#) [20-22](#)

iasos



Seg_roi_Frisia-005068.jpg



Seg_roi_Frisia-005058.jpg



Seg_roi_Frisia-005056.jpg



A VRE for the Study of Documents and Manuscripts

 Welcome John Pybus [Home](#) | [Site Map](#) | [Preferences](#) | [Logout](#)

Projects

Image Viewer

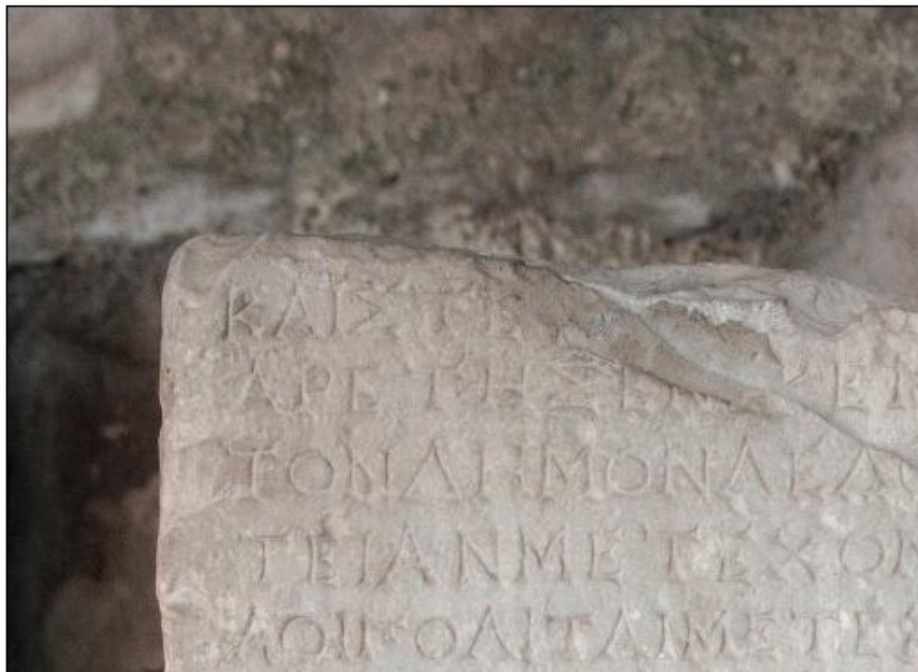
compare

Admin

Image Viewer

NB: no project selected.

ObjectView_iasos_64754: iasos


☒ Show annotations

CommentsPortlet

Discussions:

staff said on 1233145323716^^<http://www.w3.org/2001/XMLSchema#long> : ...

LGPN Portlet

(from LGPN-Portlet.war)

(Try: Ζω.* Δαματ.* Δαματριος)

1. [Δαματρίων](#) 100 BC - 100 AD Nisyrioi
2. [Δαματρία](#) 100 BC - 100 AD Rhodes
3. [Δαματρία](#) 100 BC - 100 AD Rhodes
4. [Δαματρία](#) 100 AD - 300 AD Arkades
5. [Δαματρία](#) 0 AD - 200 AD Lyttos
6. [Δαματρία](#) 100 BC - 100 AD Arkades
7. [Δαματρία](#) 100 BC - 0 AD Itanos
8. [Δαματρία](#) 125 BC - 75 BC Tarrha
9. [Δαματρία](#) 200 AD - 300 AD Lyttos
10. [Δαμάτριος](#) 200 BC - 200 BC Kos
11. [Δαμάτριος](#) 200 BC - 200 BC Kos
12. [Δαμάτριος](#) 200 BC - 200 BC Kos
13. [Δαμάτριος](#) 200 BC - 200 BC Kos
14. [Δαμάτριος](#) 200 BC - 200 BC Kos
15. [Δαμάτριος](#) 180 BC - 180 BC Kos
16. [Δαμάτριος](#) 184 BC - 184 BC Kos
17. [Δαμάτριος](#) 200 BC - 200 BC Kos
18. [Δαμάτριος](#) 200 BC - 200 BC Kos
19. [Δαμάτριος](#) 200 BC - 200 BC Kos
20. [Δαμάτριος](#) 172 BC - 172 BC Kos
21. [Δαμάτριος](#) 225 BC - 175 BC Kos
22. [Δαμάτριος](#) 225 BC - 175 BC Kos
23. [Δαμάτριος](#) 100 BC - 100 BC Kos
24. [Δαμάτριος](#) 199 BC - 150 BC Rhodes
25. [Δαμάτριος](#) 100 BC - 100 BC unass.
26. [Δαμάτριος](#) 299 BC - 250 BC Per. Loryma
27. [Δαμάτριος](#) 299 BC - 250 BC Thyssanountioi
28. [Δαμάτριος](#) 300 BC - 200 BC Per.
29. [Δαμάτριος](#) 300 BC - 200 BC Per.
30. [Δαμάτριος](#) 100 BC - 100 AD Per.
31. [Δαμάτριος](#) 323 BC - 31 BC Per. Losta
32. [Δαμάτριος](#) 323 BC - 31 BC Per. Losta
33. [Δαμάτριος](#) 158 BC - 158 BC Kamiros
34. [Δαμάτριος](#) 190 BC - 190 BC Kamiros
35. [Δαμάτριος](#) 204 BC - 204 BC Kamiros
36. [Δαμάτριος](#) 204 BC - 204 BC Kamiros
37. [Δαμάτριος](#) 231 BC - 231 BC Kamiros
38. [Δαμάτριος](#) 267 BC - 267 BC Kamiros



LEXICON OF GREEK PERSONAL NAMES

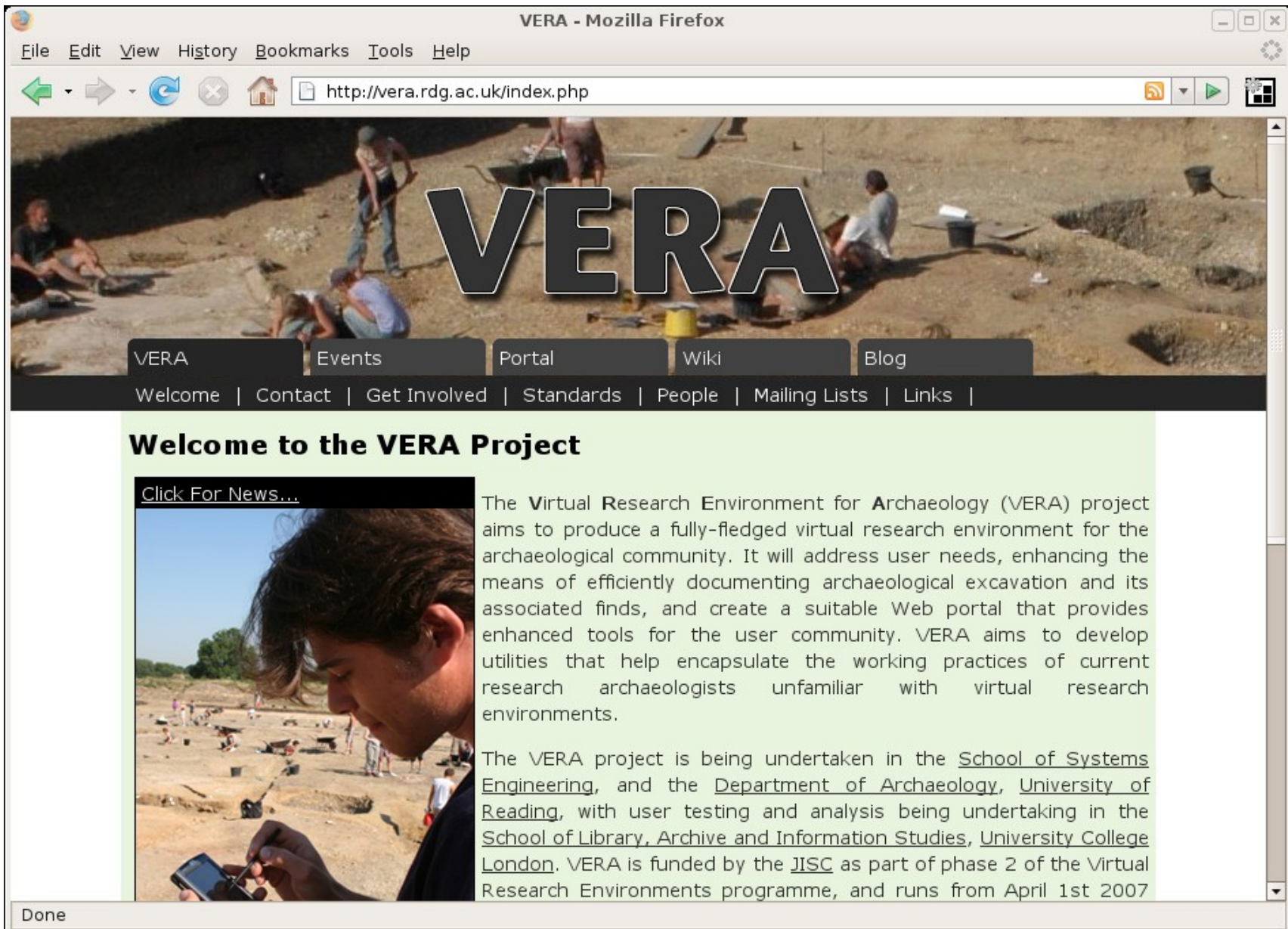
Search

Find name:

[Place catalogue](#) | [Status and profession catalogue](#)

Showing 1 to 83 of 83 hits for search on **name** for **Dama1trios** from possible total of 131366 in 0.08 seconds

ID	Region	Settlement	Deme	Modern name	Other name	Barrington	TGN	Geo
LGPN_12650	Kos							27.128506861132 36.826080558265
LGPN_12880	Rhodes							27.959219451128 36.200279288686
LGPN_12950	Rhodes		Nasioi					27.959219451128 36.200279288686
LGPN_13171	Rhodes	Kamiros	Kasareis			kamiros-60-f3		
LGPN_13260	Rhodes	Kamiros	Thyssanountioi			kamiros-60-f3		
LGPN_13270	Rhodes	Kamiros	Tloioi			kamiros-60-f3		
LGPN_13280	Rhodes	Kamiros	Tymnioi			kamiros-60-f3		
LGPN_13282	Rhodes	Kamiros	Tymnioi			kamiros-60-f3		
LGPN_13100	Rhodes	Kamiros				kamiros-60-f3		
LGPN_13290	Rhodes	Lindos				lindos-60-g3		
LGPN_13310	Rhodes	Lindos	Argeioi			lindos-60-g3		
LGPN_13390	Rhodes	Lindos	Lindopolitai			lindos-60-g3		



Integrated Archaeological Database - Mozilla Firefox

File Edit View History Bookmarks Tools Help

[http://laws1.reading.ac.uk/i2/i2.php](#)
Google

Integrated Archaeological Database
Project SILCH
Silchester Insula IX
VRE 4: House 1 (LEAP)

[Sign Out](#) [GUEST](#) | [Help](#)

Research Topics
Key Resources
Browse
Utilities

Search for:

Search Results:

Type one or more search terms into the field above.
Click on the [Options] button to refine or extend your search.
Click on any of the menu items (Browse, Utilities) to view more information.

Virtual Research Domain

Select [About this VRD](#) from the *Utilities* menu to view the details of this VRD.
The *Research Topics* menu contains a list of resources available in this VRD.
The *Key Resources* menu contains a list of resources available in this VRD. Select a resource to view more information.

Recent Changes:

11th Jan 2007 23:02 [The Small Finds](#)
figurine frags added by M...
11th Jan 2007 11:35 [Introduction](#)
Figure links added by AD...
11th Jan 2007 10:10 [The Pottery](#)
adding images by ACLARKE
11th Jan 2007 09:38 [The Pottery](#)
edits of Jane's text by A...
11th Jan 2007 09:13 [The Pottery](#)
Restored Text by ADMIN...
10th Jan 2007 15:16 [The Pottery](#)
edit by ACLARKE
9th Jan 2007 13:25 [Early Roman Masonry B...](#)
editing by MFULFORD
9th Jan 2007 13:22 [The Carbonised Plant Remains](#)
modifying title by MFULFORD
9th Jan 2007 13:20 [The Infant Burial](#)
modifying title by MFULFORD

Options

All Finds

Bulk Finds
Small Finds
Samples
Skeletons
Architectural Fragments
Structural Timbers

Contexts

Sets
Groups
Phases
Objects
Photos
Illustrations
All Documents
Internal Text Documents
Internal Spreadsheets
Imported Documents
Web Resources
Hard Copy Resources

Matrices

Views
Queries
Research Domains
Publication Plans

VRE Chat

Add

ADMIN (06/10/2006 14:46):
Welcome to the LEAP Virtual Research Domain!
ADMIN (07/11/2006 09:29):
I've created Document 188 (Period 1 Overview). Let me know if the title needs changing.
GUEST (16/03/2007 09:53):
Hello world

Done

File Edit View History Bookmarks Tools Help



http://xdb.vera.rdg.ac.uk/



Google



XDB-Arch

XDB Search

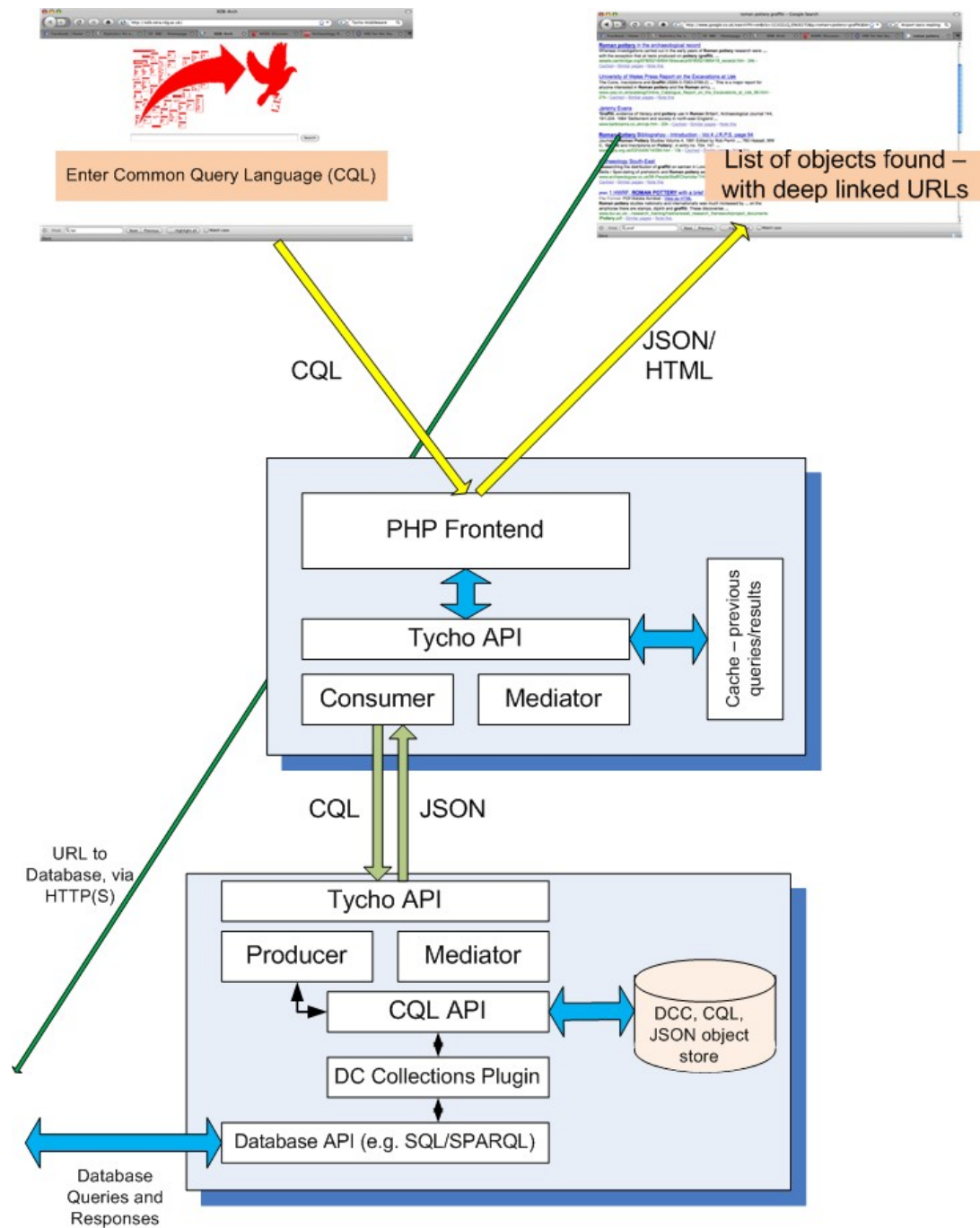
About

Wiki

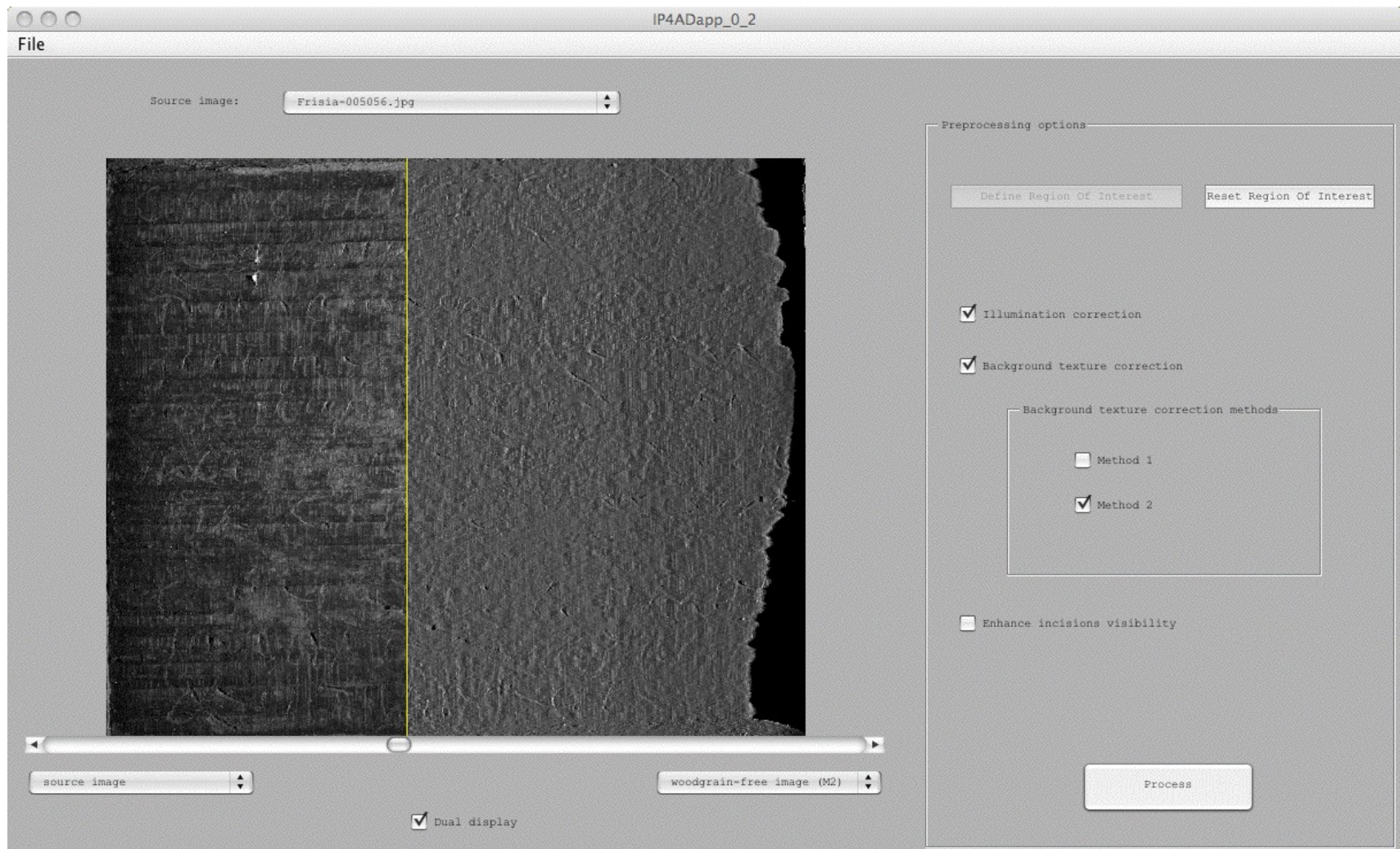
VERA

Search

Done



eSAD Image Processing Tool



linking of this into VRE



- Currently import processed images by hand
 - want to do better
- Supported by JISC ENGAGE project
- Run image processing algorithms on NGS Grid computing resource
- Link output images directly into VRE portal environment

Integrating the eSAD Functionality in the VRE-SDM

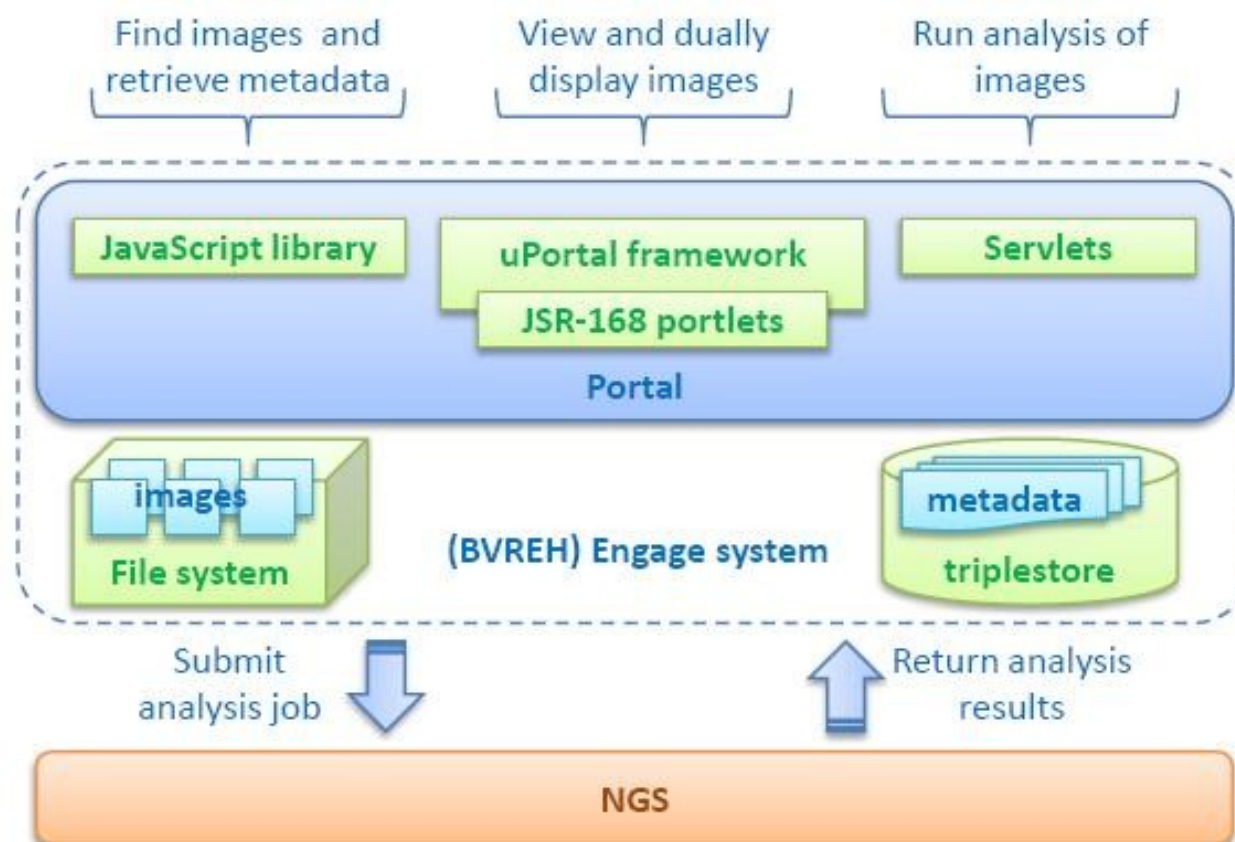


Image Processing

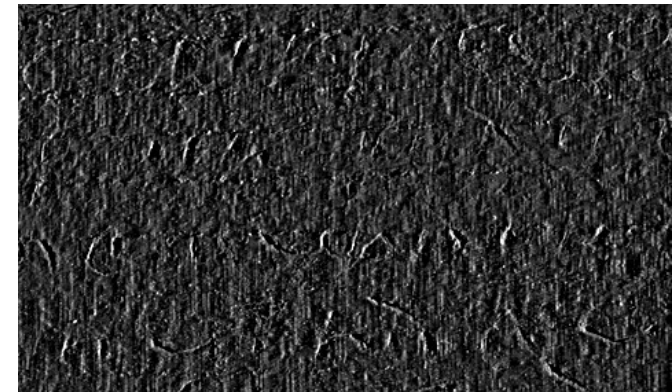
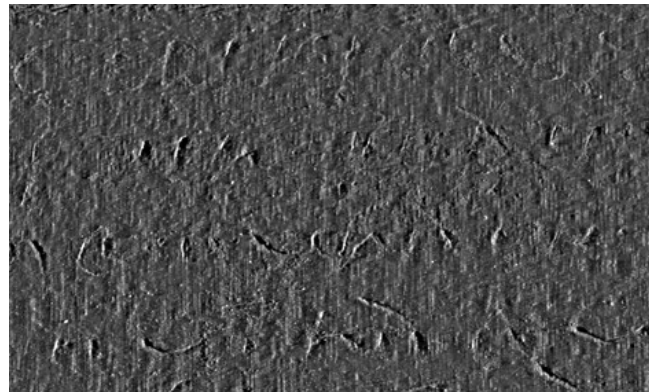
Original image



- Algorithms in Matlab
- Compiled, wrapped in NGS Uniform Execution Environment and installed on NGS (with Matlab Runtime Environment)

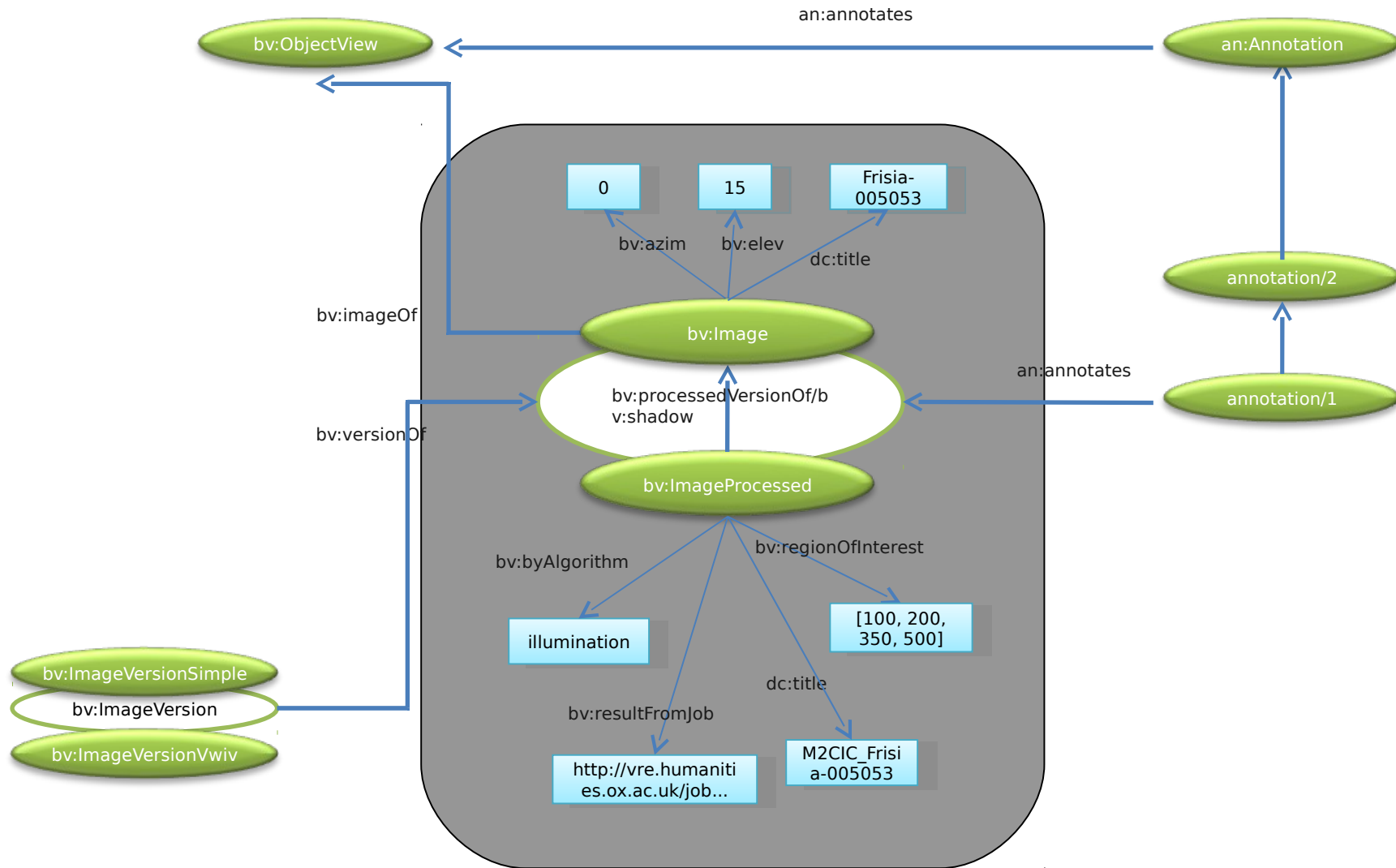


After illumination correction

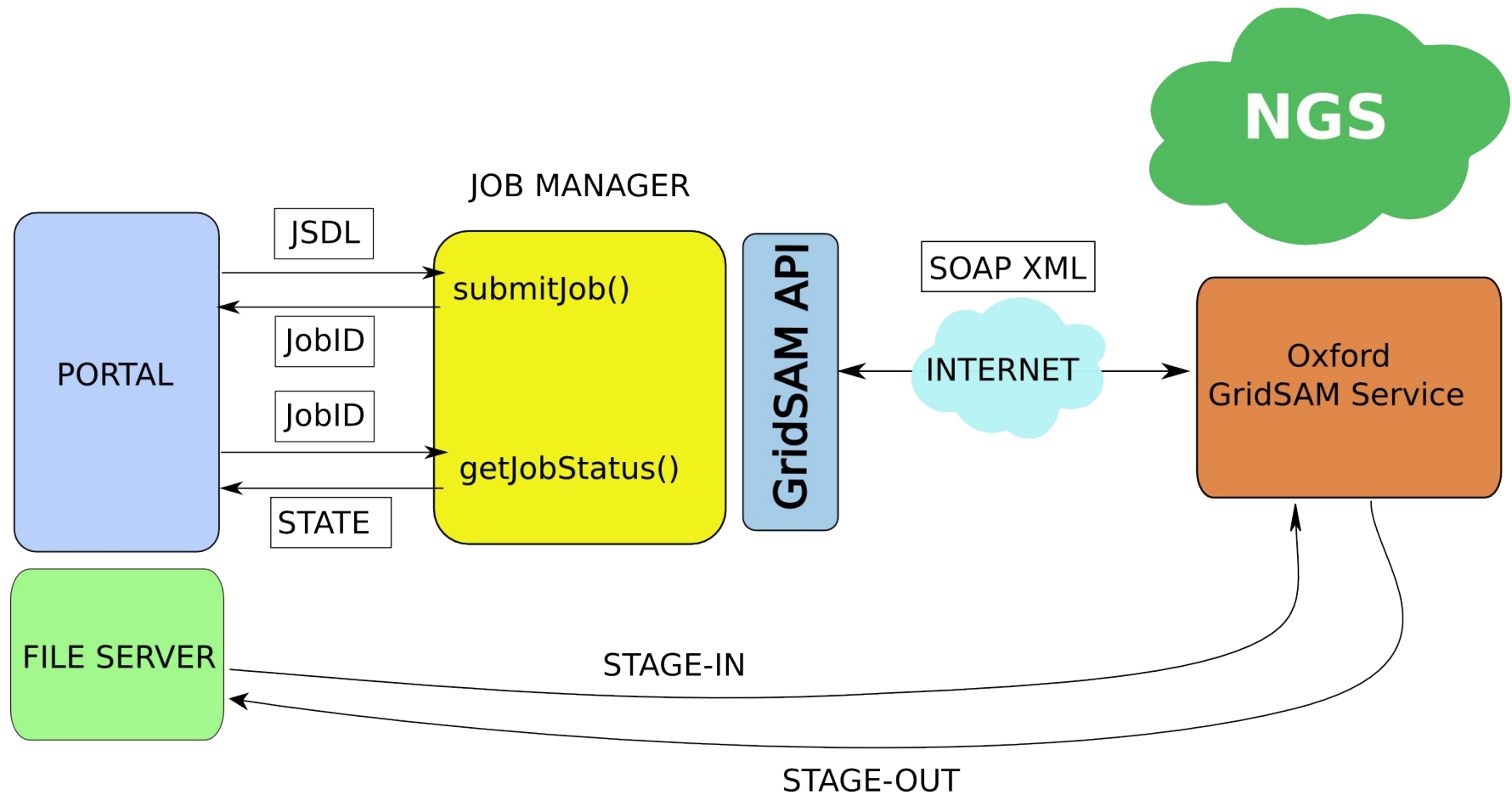


After woodgrain removal (2 methods)

Data Model Extension

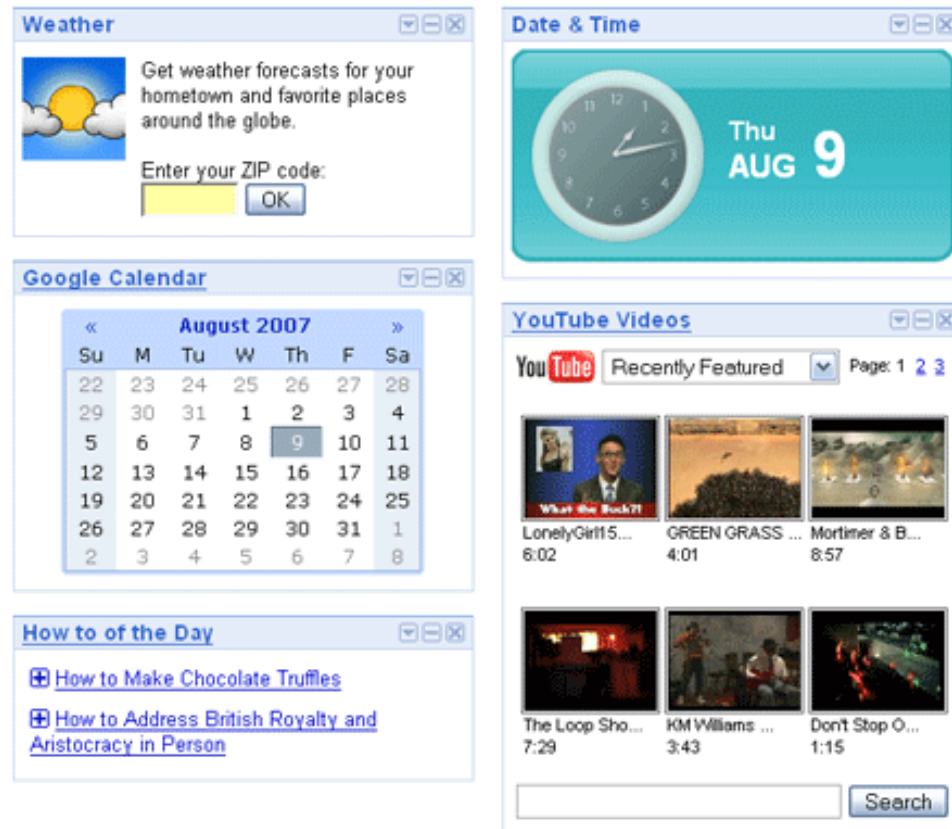


Web-service and Communication Protocols



The future

- We have been moving our tools from the uPortal software to the Open Social/Google Gadgets system



The screenshot displays a collection of Google Gadgets arranged in a grid. The 'Weather' gadget prompts for a ZIP code. The 'Date & Time' gadget shows a clock and the date 'Thu AUG 9'. The 'Google Calendar' gadget shows a calendar for August 2007. The 'YouTube Videos' gadget shows a list of recently featured videos. The 'How to of the Day' gadget lists two instructional videos.

Weather

Get weather forecasts for your hometown and favorite places around the globe.

Enter your ZIP code:

Date & Time

Thu AUG 9

Google Calendar

« August 2007 »

Su	M	Tu	W	Th	F	Sa
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

YouTube Videos

YouTube Recently Featured Page: 1 2 3

LonelyGirl15...	GREEN GRASS ...	Mortimer & B...
6:02	4:01	8:57

How to of the Day

- [How to Make Chocolate Truffles](#)
- [How to Address British Royalty and Aristocracy in Person](#)



The New WebLearn Service

On 30th June the **WebLearn** service is under-going a major enhancement.

Improvements:

- cleaner modern interface with improved usability
- searchable file store for sharing course materials
- discussion forums
- announcements (with email)
- tutorial support including sign-up sheets
- calendars for course related events
- wikis for collaborative authoring
- formative assessment, survey and polls
- email distribution lists with message archive
- electronic pigeon holes with Turnitin option
- integration with OxCORT, GSS, OXAM, ...

WebLearn provides an easily accessible web-based workspace for lecturers, tutors and students and is well-suited to a research-intensive learning environment.

weblearn.ox.ac.uk



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Photo: Rob Judges

Sakai

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- OUCS

- Dr Mike Fraser

- Reading / VERA

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 - Matt Grove
 - Hugo Mills

