

Wireless Network: vae1

Password: vaeicon312511

Shared notes:

<http://bit.ly/1dZNpl1>

Update on DuraSpace Organization and the DSpace Community

Valorie Hollister

Director of Community Programs

SPARC DSpace User Group Meeting

March 5, 2014



Agenda

1. DuraSpace Update
2. DSpace Community Update
3. DSpace Governance & Vision work
4. DSpace 4.x key new features

DuraSpace Update



“DuraSpace is an independent 501(c)(3) not-for-profit organization providing leadership and innovation for open technologies that promote durable, persistent access to digital data. We collaborate with academic, scientific, cultural, and technology communities by supporting projects and creating services to help ensure that current and future generations have access to our collective digital heritage.”

How is DuraSpace organized?

Funded through community sponsorship & RSP program

Funded through service revenue & grants

Projects



Services



DuraSpace Team



Michele Kimpton
Chief Executive Officer



Jonathan Markow
Chief Strategy Officer



Carol Minton Morris
Marketing/Comm



Valorie Hollister
Community Programs



Tim Donohue
DSpace Tech Lead



Andrew Woods
Fedora Tech Lead



David Wilcox
Fedora Project Manager



Bill Branam
DuraCloud Tech Lead



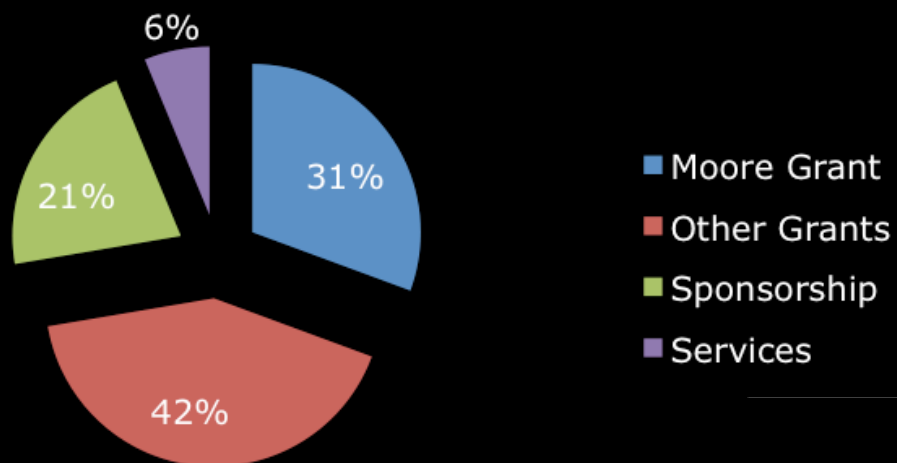
Erik Paulsson
DuraCloud



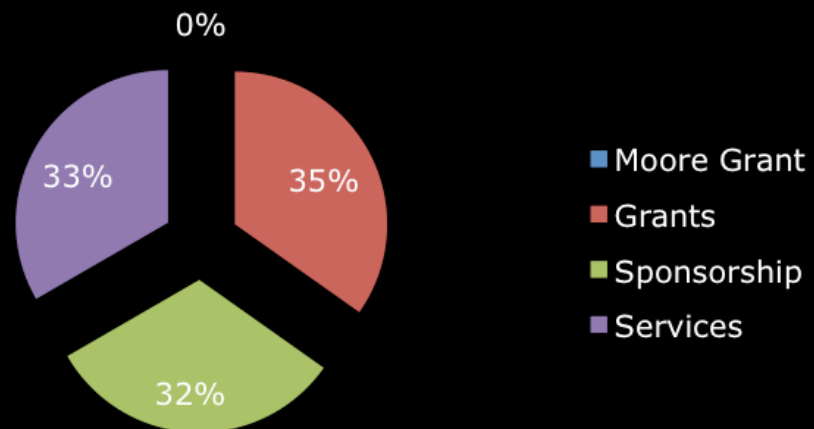
Carissa Smith
DuraCloud/DSpaceDirect

Funding Sources

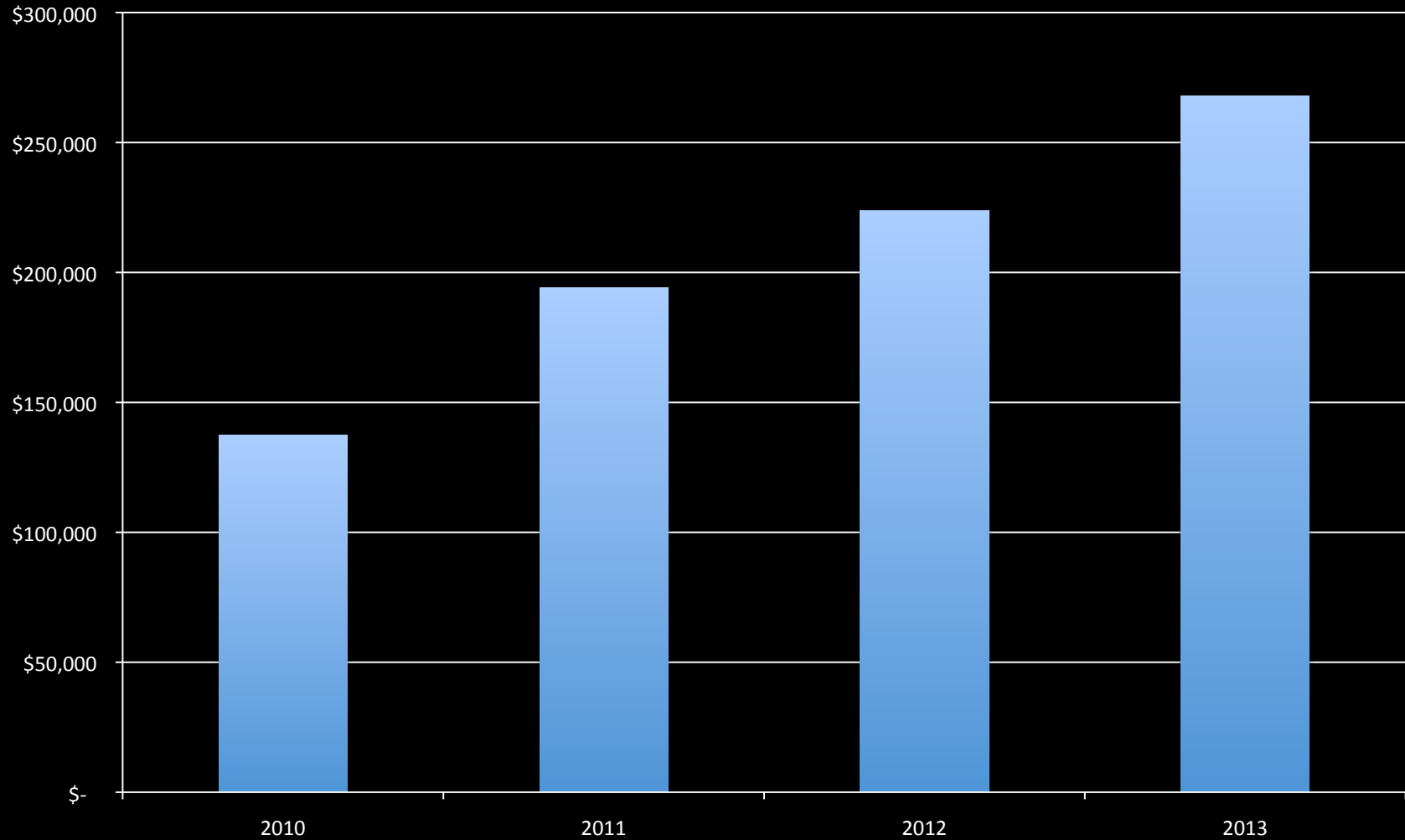
Funding Sources 2011



Funding Sources 2014



DSpace Community Sponsorship



2013 DSpace Sponsors

Platinum - \$20,000

Texas Digital Library

Gold - \$10,000

Cornell University

Indiana University

Massachusetts Institute of Technology

North Carolina State University

University of British Columbia

University of Cambridge

University of Manitoba

University of Michigan

University of Texas Libraries Austin

University of Toronto

Virginia Tech

Silver - \$5,000

Georgia Institute of Technology

Harvard University

National Library of Finland

Northern Illinois University

Rice University

The Ohio State University

University of Calgary

University of Edinburgh

University of Guelph

University of Kansas

Université de Liège

University of Maryland

University of Minnesota

University of Ottawa

University of Victoria

York University Libraries

2013 DSpace Sponsors

Bronze - \$2,500

Creighton University
George Mason University
Georgetown University
Imperial College London
Malmo University
New York University
Northern Territory Library
Oregon State University
Rockefeller University
University of Adelaide
University of Arizona
University of Auckland
University of Hawaii at Manoa
University of Hong Kong
University of Missouri
Université de Montréal
University of North Carolina at Chapel Hill

Bronze - \$2,500 - *continued*

Vanderbilt University Library
Vrije University Amsterdam
Washington State University Libraries
Youngstown State University

Friends - \$2,499 and below

Kansas State University
Loughborough University
Massey University
University College Cork
University of Delaware

Registered Service Providers

Argonet

@mire

CILEA/CINECA

Enovation Solutions

Longsight

ProviderIT/Neki Technologies

Open Repository/BioMed Central

Board of Directors

Provides fiscal oversight and advises on strategic direction, does not provide oversight on projects

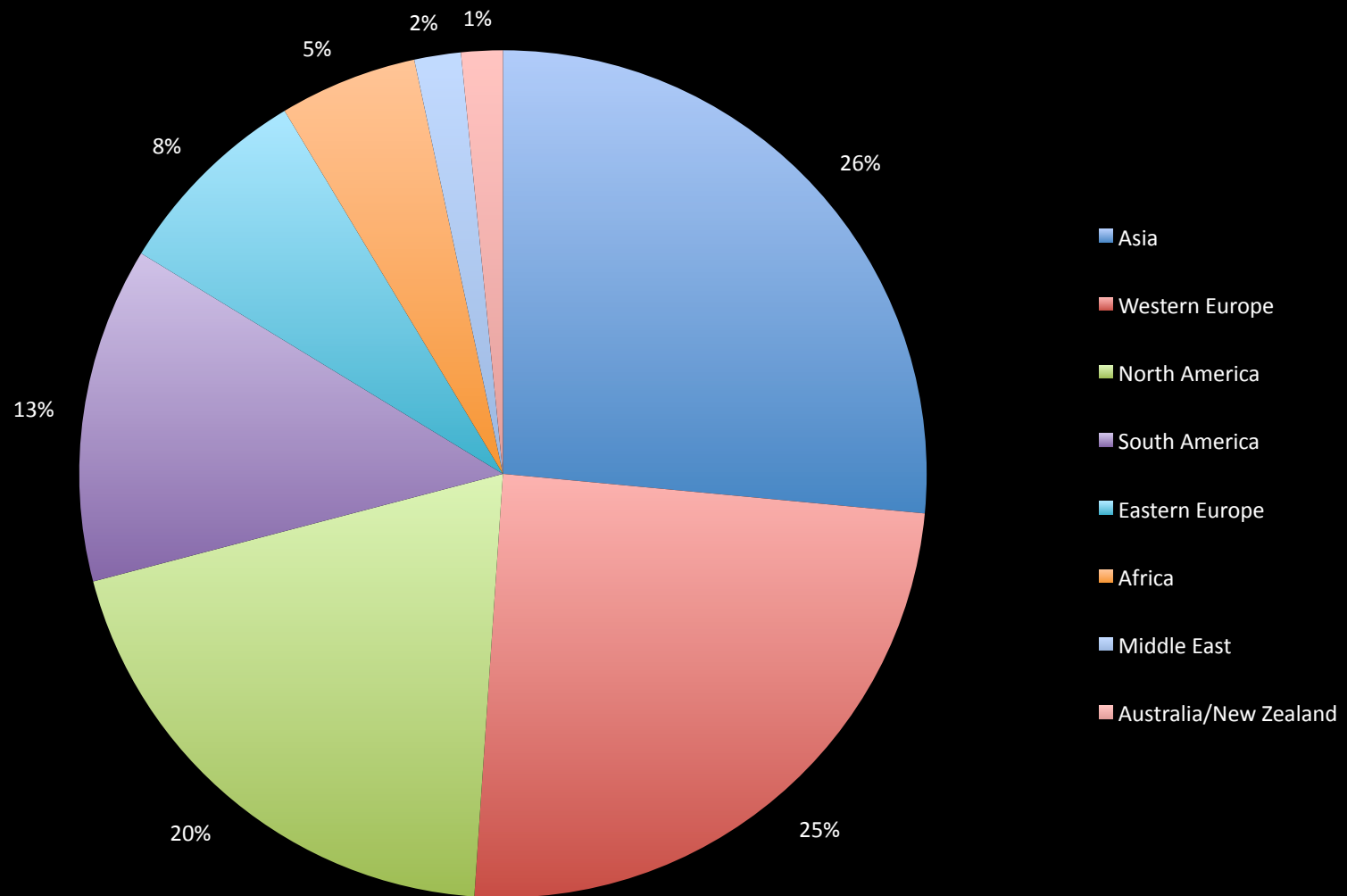
- James Hilton, U of Michigan
- Paul Courant, U of Michigan
- Mike Conlon, U of Florida
- Chuck Henry, CLIR
- Tom Cramer, Stanford University
- Laura Woods, Tufts University
- Tyler Walters, Virginia Tech
- Anne Jarvis, Cambridge University
- Heather Joseph, SPARC
- Dan Cohen, DPLA

Debunking Myths about DuraSpace

1. DuraSpace has teams of developers working on DSpace and Fedora.
2. DuraSpace is funded by the Moore Foundation and others.
3. DuraSpace is DSpace on Fedora.
4. Community sponsorship dollars are funding DuraCloud.
5. Bringing on more projects reduces effort on existing projects.

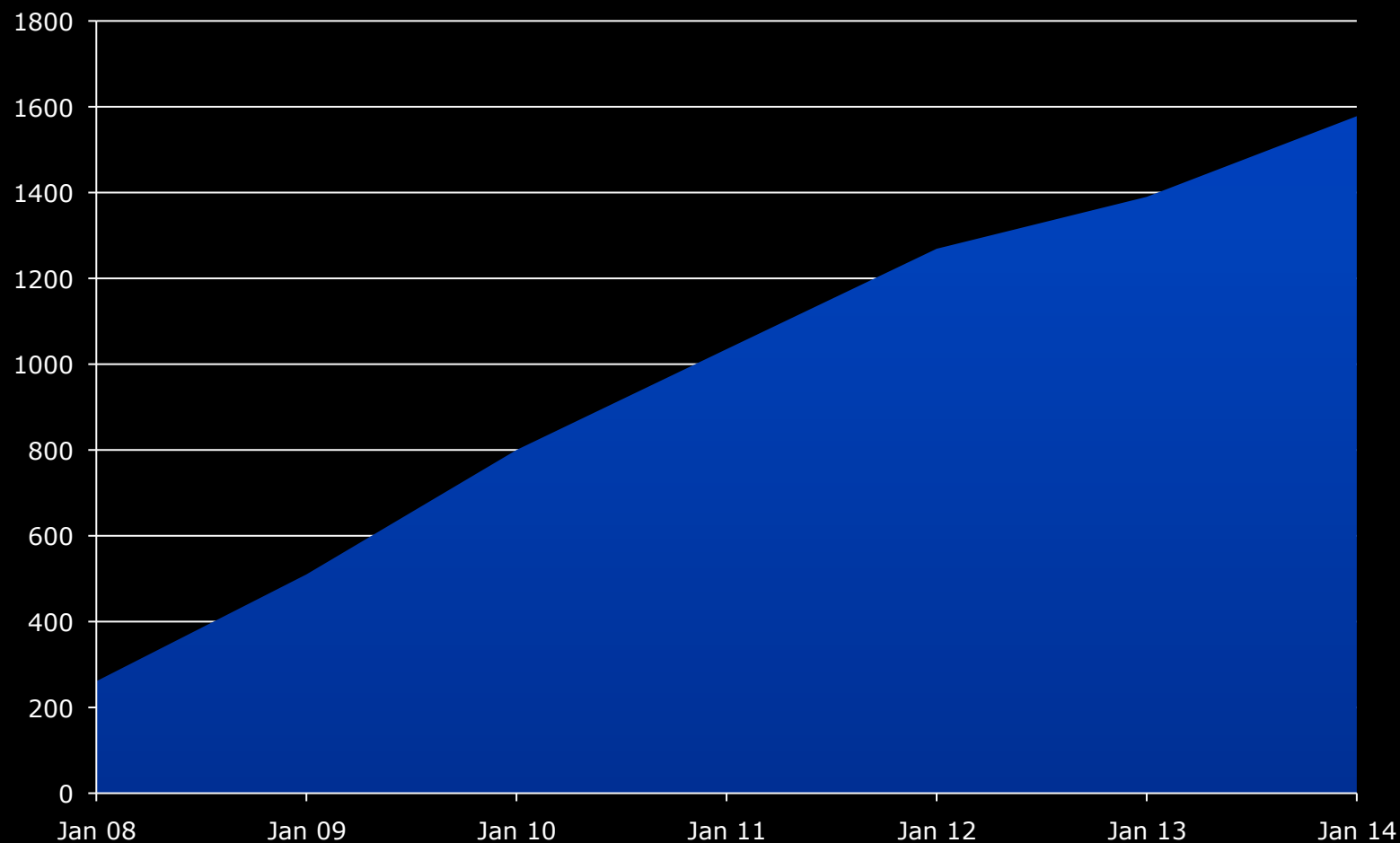
DSpace Community Update

Our DSpace community is global



Continued adoption around the world, particularly developing countries

Number of DSpace Instances



188 new instances in 2013
1,578 instances to date

DSpace Community Groups

- DSpace Committers
- DSpace Community Advisory Team (DCAT)
<http://tinyurl.com/dspace-dcat>
- DSpace Ambassadors
- DSpace Vision Group
- DSpace Steering Group

How development work gets done

- Ad hoc, developer-driven planning process
- New features must fit in the “time box”
- New features approved by at least 2 committers
- Consultation with DCAT on new features
- Committers trust one another
- When controversy, majority vote wins
- Committers have veto power

DSpace Governance & Vision Work

Project Governance

- A shift towards more formal governance starting a year ago
 - Project Steering Group
 - Advisory Group
 - Working Groups – like the DSpace Vision Group
 - DuraSpace Board of Director representation
- In process for Fedora and VIVO

Steering Group Charter

- Advise and approve DSpace governance model
- Approve allocation of DSpace revenue
- Determine process for setting strategic goals
- Help secure resources for future work

DSpace Steering Committee

- **Richard Jizba** Creighton University
- **Debra Hanken Kurtz** Texas Digital Library (TDL)
- **David Lewis** Indiana University Purdue University Indianapolis (IUPUI)
- **Stuart Lewis** University of Edinburgh
- **Bram Luyten** @mire
- **David Palmer** The University of Hong Kong
- **Ingrid Parent** University of British Columbia (UBC)
- **Eloy Rodrigues** University of Minho
- ...plus two at-large Sponsor Representatives

DSpace 4.x Key New Features

Reference: “DSpace 4.0 Roundup” Webinar

<http://slidesha.re/1jNyX47>

Timing of Releases

- [major].[minor] (e.g. 4.0, 4.1, 5.0)
 - MAJOR=new features
 - MINOR= bug fixes (only)
- New major release each year in Nov/Dec
- Most recent 3 versions will be supported (1.8, 3.x & 4.x); deprecation of 1.7 and prior

More info at <http://tinyurl.com/dspace-relno>

What went in to DSpace 4.0?

- Lots of hard work from these folks:
 - DSpace Committers
 - The DSpace 4 Release Team (RT)
 - Mark H. Wood – RT Leader (IUPUI)
 - Hardy Pottinger (University of Missouri)
 - Andrea Bollini (CINECA)
 - 59 individuals contributed code
 - DCAT

Notable Features of DSpace 4.0

- **REST-API module** (webinar at <http://slidesha.re/1n52NIY>)
- **“Request a Copy”** for non-public files
- DOI Support
- Discovery (faceted search/browse) replaces legacy Search & Browse as the default
- SWORDv2 updates
- Improved Command Line features
- Simple Embargo supported in AIP import/export
- You can run your handle server on another machine
- LDAP authentication improvements
- Better-looking thumbnails from media filter
- Curation task for consuming “web services”
- Filtering web spiders from statistics based on domain or user-agent
- More help for Google Scholar (and similar) to better index your content

REST-API, use-case example

a javascript widget, scholars can embed in their own pages to list their publications <http://tinyurl.com/ds-rest-widget>

My Publications

Year	Type	Title
1988	Conference Paper	A uniform architecture for parsing and generation
1987	Journal Article	An algorithm for generating quantifier scopings
1986	Conference Paper	A simple reconstruction of GPSG
1985	Journal Article	Criteria for Designing Computer Facilities for Linguistics

Details

An algorithm for generating quantifier scopings

Jerry Hobbs and Stuart M. Shieber. An algorithm for generating quantifier scopings, *Journal of Computational Linguistics* 63, January-June 1987.

Abstract:

The syntactic structure of a sentence often manifests quite clearly the prepositional subordination. But scope dependencies are not so transparent.

Copy and paste the following javascript snippet into your html page:

```
<SCRIPT charset="utf-8" id="dash-widget" type="text/javascript" src="http://dash.harvard.edu/rest/static/javascript/author-pub-widget.js?author=c9e989d522c00c122594ca888fb74c44">
```

Preview

Year	Type	Title
2012	Journal Article	Plan Recognition in Exploratory Domains
2012	Commentary or Review	Statement of Stuart M. Shieber before the Committee on Science, Space, and Technology Subcommi...
2012	Journal Article	The Case for the Journal's Use of a CC-BY License
2011	Commentary or Review	Inverting the Turing Test [review of The Most Human Human by Brian Christian]
2011	Monograph or Book	Neo-Riemannian Cycle Detection with Weighted Finite-State Transducers
2010	Journal Article	Agent Decision-Making in Open Mixed Networks
2010	Journal Article	Recognizing Uncertainty in Speech
2010	Conference Paper	Bayesian Synchronous Tree-Substitution Grammar Induction and Its Application to Sentence Compr...
2010	Journal Article	Complexity, Parsing, and Factorization of Tree-Local Multi-Component Tree-Adjoining Grammar

Details

Plan Recognition in Exploratory Domains

Gal, Ya'akov, Swapna Reddy, Stuart M. Shieber, Andee Rubin, and Barbara J. Grosz. 2012. Plan recognition in exploratory domains. *Artificial Intelligence* 176(1): 2270-2290.

Abstract:

This paper describes a challenging plan recognition problem that arises in environments in which agents engage widely in exploratory behavior, and presents new algorithms for effective plan recognition in such settings. In exploratory domains, agents' actions map onto logs of behavior that include switching between activities, extraneous actions, and mistakes. Flexible pedagogical software, such as the application considered in this paper for statistics education, is a paradigmatic example of such domains, but many other settings exhibit similar characteristics. The paper establishes the task of plan recognition in exploratory domains to be NP-hard and compares several approaches for recognizing plans in these domains, including new heuristic methods that vary the extent to which they employ backtracking, as well as a reduction to constraint-satisfaction problems. The algorithms were empirically evaluated on people's interaction with flexible, open-ended statistics education software used in schools. Data was collected from adults using the software in a lab setting as well as middle school students using the software in the classroom. The constraint satisfaction approaches were complete, but were an order of magnitude slower than the heuristic approaches. In addition, the heuristic approaches were able to perform within 4% of the constraint satisfaction approaches on student data from the classroom, which reflects the intended user population of the software. These results demonstrate that the heuristic approaches offer a good balance between performance and computation time when recognizing people's activities in the pedagogical domain of interest.

Webinar at <http://slidesha.re/1n52NIY>

“Request a copy” for non-public files

Test item with closed access document

Doe, John

URI: <http://hdl.handle.net/123456789/10726>

Date: 2013

Abstract:

This is a great piece of research. For publisher policy reasons, the associated file can currently not be openly shared with the world. However, the author is able to send you an individual copy as long as you ask nicely.

[Show full item record](#)

Files in this item



Name: Precious-Research ...
Size: 8.849Kb
Format: PDF
Description: Accepted version ...



DSpace 4 JSUI-specific features

- A new Bootstrap-based default look and feel
<http://slidesha.re/1c3sSR9>
- Integrated PubMed, Arxiv and CrossRef metadata lookup
- AJAX progress bar for file upload step
- Sherpa/Romeo integration
- Porting XMLUI-only features
- Batch metadata import for bibliographic formats

jsui

DURA
SPACE

A new Bootstrap-based default look and feel

The screenshot displays the DSpace JSPUI interface. At the top, there is a navigation bar with a search bar, a user login status 'Logged in as a.bollini@cineca.it', and a menu icon. Below the navigation bar, the main content area features the DSpace logo and the text 'DSpace JSPUI' followed by a description: 'DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets'. A 'Learn More' button is positioned below this text. A green banner indicates the current location: 'DSpace at My University / Second top community (with logo)'. The main content area is divided into two columns. The left column shows a collection home page titled 'This is my first collection' with a 'Collection home page' link and a 'DSpace' logo. Below the title is a paragraph of placeholder text. The right column contains an 'Admin Tools' panel with buttons for 'Edit...', 'Item Mapper', 'Edit Submitters', 'Export Collection', 'Export (migrate) Collection', and 'Export metadata'. Below the admin tools is a 'Discover' section with an 'Author' field containing 'a, a' and a '1' indicator. At the bottom of the main content area, there is a 'Browse' section with a search bar and buttons for 'Issue Date', 'Author', 'Title', and 'Subject'. The footer of the screenshot shows a copyright notice 'Copyright My Collection'.

Webinar at <http://slidesha.re/1c3sSR9>

DSpace 4 XMLUI-specific features

- Support simple embargo in item display
- Language switching
- Mobile theme matures from beta

xmlui

DURA
SPACE™

What's ahead

- ~~DSpace 4.1~~, DSpace 5.0
- Vision Survey results
- DSpace Steering Committee budget discussion
- DuraSpace Sponsor Summit next week

Questions?

Valorie Hollister

vhollister@duraspace.org

Acknowledgements/References

- “DSpace 4.0 Roundup” Webinar by Hardy Pottinger: <http://slidesha.re/1jNyX47>
- “DSpace User Interface Innovation” Webinar by Andrea Bollini: <http://slidesha.re/1c3sSR9>
- “Integrating with DSpace 4” Webinar by Peter Dietz: <http://slidesha.re/1n52NIY>