



INSTITUTE of
Museum and Library
SERVICES



NJVID
STATE OF THE ART VIDEO ACCESS

Grant partners

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

**WILLIAM
PATERSON**
UNIVERSITY



NJEDge.Net
New Jersey's Higher Education Network

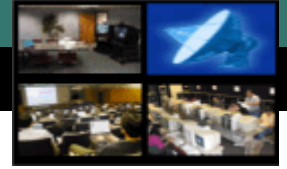
NJ New Jersey Digital Highway
DH — Where History, Culture, and Learning Merge —

Dedicated to Innovation & Collaboration

VALE
new jersey

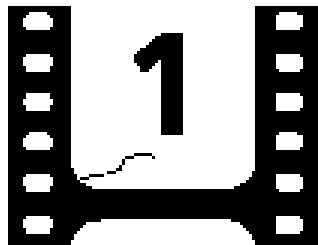
Virtual Academic Library Environment





Why NJVid?

Digital video creates a multisensory experience that immerses the user in both information and context. A digital video lecture enables a student to “relive” a classroom experience, using video and audio cues to identify key concepts in the lecture and classroom discussion.





Why NJVid?

Problem:

The technical barriers in digitizing and making digital video available to users remains significant for smaller institutions. A statewide digital video portal, with collections and services that address the wide-ranging needs of lifelong learners, educators and students, is a compelling venture, but also a complex task that requires great collaboration and focus.



Growing demand for streamed video

- Online information in various forms & formats has become an almost universal library staple, a service expected by most library users
- Increasing user expectations & demand for remote, 24/7 access to library resources
- Critical need to preserve and/or replace deteriorating collections of older media....VHS, etc.
- Budget limitations on purchase of multiple copies or replacements
- Pressures on library viewing facilities, equipment & services



Growing demand for streamed video

- Common use of online teaching/learning resources, such as Bb, WebCT, Sakai-compliant systems, which allow for media content
- Changing client demographics & changing educational programs to serve these clients (remote library services, etc.)
- General trend toward resource sharing among libraries & other educational and cultural institutions

Transition

Physical collection of media  **Service-based model of access to both non and licensed resources**



Three types of Collections

Locally Owned Videos:

Commons access provides access to a shared-by-all collection that can include such videos as Organizational events (lectures, speakers, Labor Day Parade) Re-enactments and historic events (constructing an historic bridge over the D&R canal) NJN videos, Oral Histories, etc.



Three types of Collections

Commercial Videos:

Login Access provides a common platform for describing, storing and making commercial digital videos available for the participating institutions that purchase the rights. VALE, Virtual Academic Library Environment, will negotiate the rights for these videos and participating users can access these



Three Types of Collections

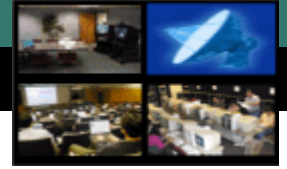
Learning-on-Demand

Login Access will provide a common platform for accessing Learning-on-Demand. These are educational videos that will make course lectures available for faculty and students to segment (create “virtual clips”), annotate, and make available within each participating institution. Learning-on-Demand will primarily be used in the K20 educational environment although other participants that host educational activities and courses may also find it useful.



Identity Management is key to NJVid

- Service depends upon:
 - Institution you are from
- One server needs to be able to verify this information for members of any institutions
- Requires “federated identity”



Key Concepts

- Establishing identity; levels of assurance
- Identifiers
- Authentication
- Authorization
- Directory services
- Policy and governance
- Federation

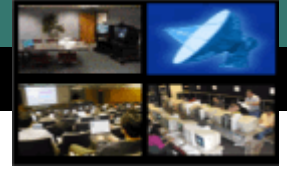


NJTrust

- Currently 13 institutions are part of NJTrust
- Website to assist in becoming a member of NJTrust

<http://www.njtrust.net/>

- Allows a common server to authenticate users based on an institution's own IdM and finds roles and attributes to make authorization decisions
- Maintain user privacy

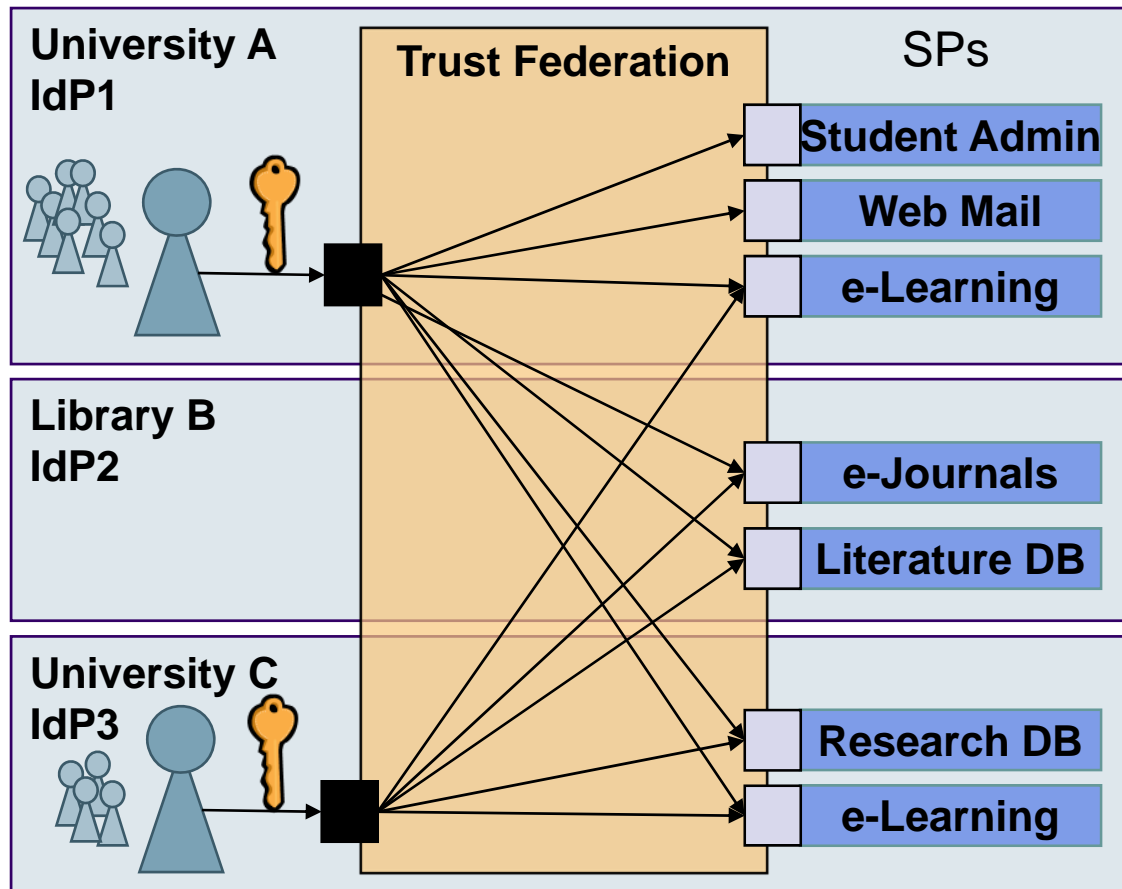


Federated Identity

- Enterprises are moving towards SOA - Users are accessing external systems and resources outside Institutional domains.
- Identity Federations - enable users of one domain to securely access data on another domain seamlessly using local authentication and authorization (A&A)



Trust Federation



User Administration
Authentication

Authorization

Resource



Credentials



- Trust fabric between Identity Providers [IdP] and Service Providers [SPs].
- Framework to collaborate with one another in a shared, secure and trusted manner.
- Process of adding IdPs and new SPs is simplified
- NJTrust



- NJViD - One of the first services that is being offered via the Federation.
- Videos available in the NJViD Commons are openly accessible
- Licensed Commercial videos as well as Learning-on-demand need Authentication & Authorization





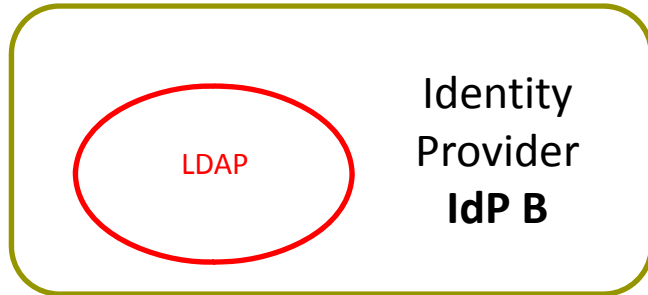
How to participate?

- Run your own Shibboleth Identity Provider (IdP)
 - Recommended and more secure
- Participate in the Statewide Directory System
 - Institutions without a directory server
 - Administrators can manage their Institutional User data using web front-end
 - For smaller organizations – K12s, Museums, Public Libraries

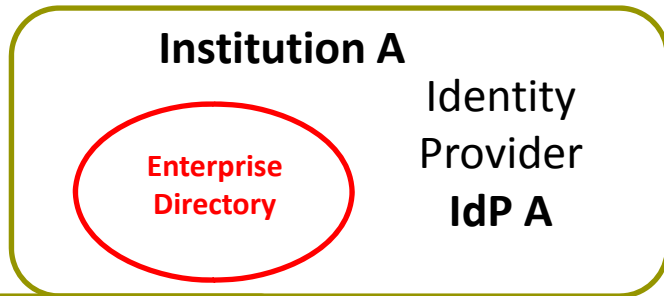
NJVid New Jersey Video Portal



Institution B



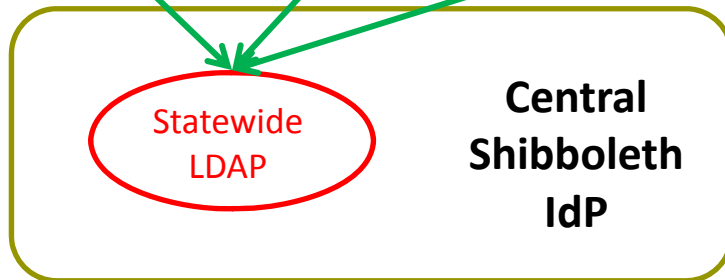
Institution A



Museum

Library

K12



**Service Provider
SP**



InCommon Federation

- InCommon, NCTrust, UCTrust
- We are not asking participants to join InCommon



Training and Support

- Shibboleth IdP VMs for Testing at www.njedge.net/shibboleth
- Instructions for joining NJTrust – <http://federation.njedge.net>
- Other Training Sessions
- Identity Management Survey www.njedge.net/idmsurvey



Questions?

Questions? Send them to shib@njedge.net



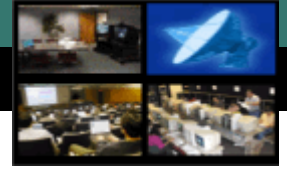
Software Review

Area	Software Used
Applications/Web Interface	PHP / MySQL - based (developed in-house)
Journals	Open Journal System (PKP) (with in-house enhancements)
Search Engine	Amberfish (with in-house enhancements)
Workflow Management	PHP / MySQL - based (developed in-house)



Software Review (cont'd.)

Area	Software Used
Collection Services	PHP / MySQL - based (developed in-house)
Handles/Persistent IDs	CNRI Handle Server
Video Streaming Server	Darwin (Apple) (Possibly Flash in the near-future)
Digital Library Framework	FEDORA
OS/Web Server	Linux/Apache



Repository Architecture

What is FEDORA?

An Architecture for storing, managing and retrieving assets which are treated as Digital Objects

Supports not just storage and access, but preservation of these objects.

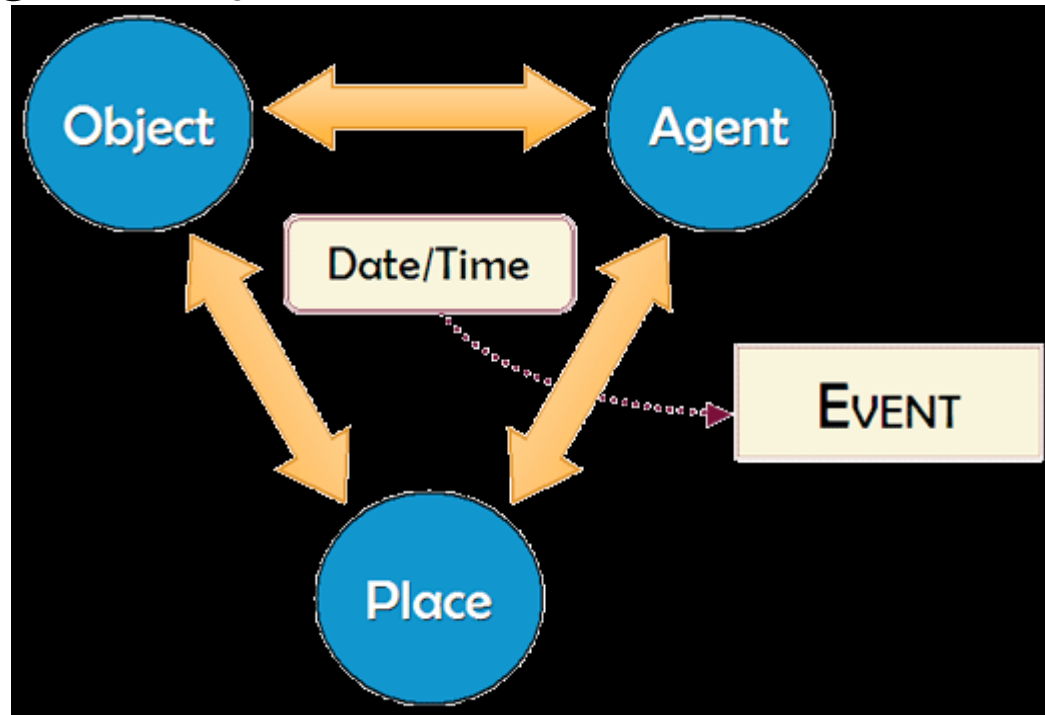
Part of the Duraspace community: aim is to provide leadership and innovation in open source technologies for global communities who manage, preserve, and provide access to digital content.





What is Fedora?

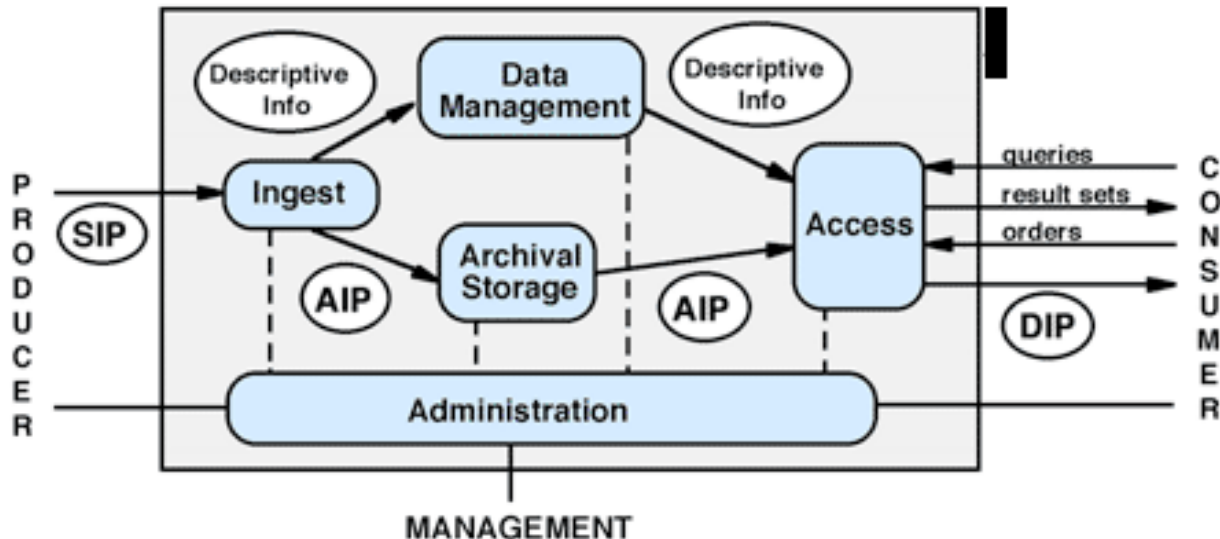
Provides us with event-based control of our digital objects





What is Fedora?

Conforms to the Open Archives Information System Functional Model (OAIS)



The OAIS Functional Model

<http://nssdc.gsfc.nasa.gov/nost/isoas/>



Digital Asset Management with the Workflow Management System (WMS)

Cataloging and Repository Object Control
Permits cataloging of digital objects, ingest
and management of
their collections and metadata

Digital Object Workflow Management System

[Contact Us](#) | [Report Error](#) | [Help Center](#) | [Version](#)

Welcome to the digital object workflow management system! You need to have a valid wms account to be able to work here. If you do not have a wms account or forgot your password, please use the links provided below to contact wms system administrators.

User Name:

Password:

[Forgot your password?](#) | [Do not have an account?](#)

[EXIT](#)[Template](#)[View Entries](#)[Clear All](#)[SAVE](#)

Template used: [none]

Metadata Type

Descriptive[Technical](#)[Source](#)[Rights](#)[Required](#)[Jump to](#)**DESCRIPTIVE METADATA**

(* indicates required element)

Type of Item *

MovingImage

Title Information

Title *

Type

Part Name

Part Number

Nonsort

Entry List (Title Info)



ka test 09-21-07

[Change](#)[Remove](#)[Add More](#)**Subtitle Information**

Operating System

Version

Operating System

Format

Type

Version

Value

Add More

Compression

Compression Scheme

Compression Ratio

Uncompressed
Unknown
Wavelet

Color Space

Sampling

Sampling Unit

Sampling Size

Sampling Word Size

Bits per Sample

Technical Metadata

Rights Declaration

Authority

- ☐ FS
☐ GS
☐ IJS
☐ KA
☐ KA test
☐ NJDH
☒ RULIB
☐ Virginia Tech
☐ Local (free text)

Value

Copyright

Status

Notice

Note

Availability

Status

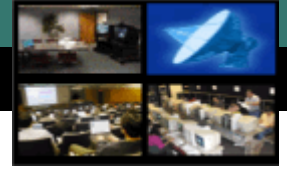
Rights MD



An XACML Policy Example

```
<Subject>
  <SubjectMatch MatchId="urn:oasis:names:tc:xacml:1.0:function:string-equal">
    <AttributeValue
      DataType="http://www.w3.org/2001/XMLSchema#string">student</AttributeValue>
    <SubjectAttributeDesignator AttributeId="fedoraRole" MustBePresent="false"
      DataType="http://www.w3.org/2001/XMLSchema#string"/>
  </SubjectMatch>
</Subject>

<Resource>
  <ResourceMatch MatchId="urn:oasis:names:tc:xacml:1.0:function:string-equal">
    <AttributeValue DataType="http://www.w3.org/2001/XMLSchema#string">MOV-1
  </AttributeValue>
  .
  .
</ResourceMatch>
</Resource>
```



Video Delivery - Format Specifications

For restricted files (Commercial Videos):

Streaming Protocol: MPEG-4 H.264
(Quicktime)



- 30 frames/sec, 640x480 resolution
- Data rate: 786 kbps to 1Mbps
- Progressive Download Not Supported
- Streaming video protected by Authentication



Video Delivery - Format Specifications

For non-restricted files:

Streaming Protocol: MPEG-4 H.264
(Quicktime)

- 30 frames/sec, 640x480 resolution
- Data rate: 786 kbps to 1Mbps



QuickTime

Progressive Download


- Flash Video (FLV with SWF wrapper)
- 24 fps, 640 x 480 - 512 kbps
- “Universal” but slightly lower quality








Front End Browse & Search Portal Systems

Permits visitors, researchers and end users to browse assets, search for items, and soon, annotate and remix content.



Feedback | Contact Us |  Login

Videos  

Home

Contribute


My Content

Project Info

Blog

FAQ

The Hidden Child



06:09 56:59 menu

[Play in High Resolution](#)

The Hidden Child

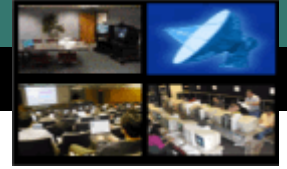
Description:

Of the 1,600,000 Jewish children who lived in Europe before World War II, only 100,000 survived the Holocaust. Most were hidden children, shuttered away in attics, cellars, convents or in villages or farms. Maud Dahme, a New Jersey resident and former president of the NJ Board of Education, was among those who were hidden and survived. The Hidden Child, a one-hour high-definition documentary, is Dahme's own story of courage, hope and bravery in the face of evil and death. Dahme was one of the estimated 3,000 to 8,000 Jewish children in the Netherlands who were hidden and saved from the Nazi death camps by courageous Christians. A gripping tale of survival, The Hidden Child tells the story of a six-year-old girl and her sister, separated from their parents, dodging bullets, lying for survival and relying on the compassion of strangers who risked their own lives to save Jewish children. Today, Dahme devotes her life to the Holocaust and genocide education. Issues such as tolerance, mutual respect and understanding are explored in depth in the documentary as well as in an accompanying teacher guide developed by New Jersey educators for classroom use. The Hidden Child follows Dahme and the teachers to Vught, a Nazi concentration camp, and to the Anne Frank House and the old Jewish quarter of Amsterdam, recording their reactions to the retelling of the Nazi's systematic destruction of Jewish life in the Netherlands. The program includes interviews with Pieter Meerburg, an 83-year-old Dutch rescuer whose Amsterdam group saved hundreds of Jewish children; Max Arpels Lezer, a former hidden child, who is now chairman of the Hidden Child Association of the Netherlands; former US Ambassador to the Netherlands Clifford Sobel; and Eitan Margalit, Israeli Ambassador to the Netherlands.

Collection:

NJN - New Jersey Public Television and Radio Collection

Target or Intended Audience:



NJVid Year 2 Survey Outcome Based Evaluation

Judy Jeng, Ph. D.
Digital Library Evaluation Consultant

NJVid Advisory Board
June 15, 2009



Evaluation Objective

- To gather feedback to refine NJVid appearance, functionality, and interface design.



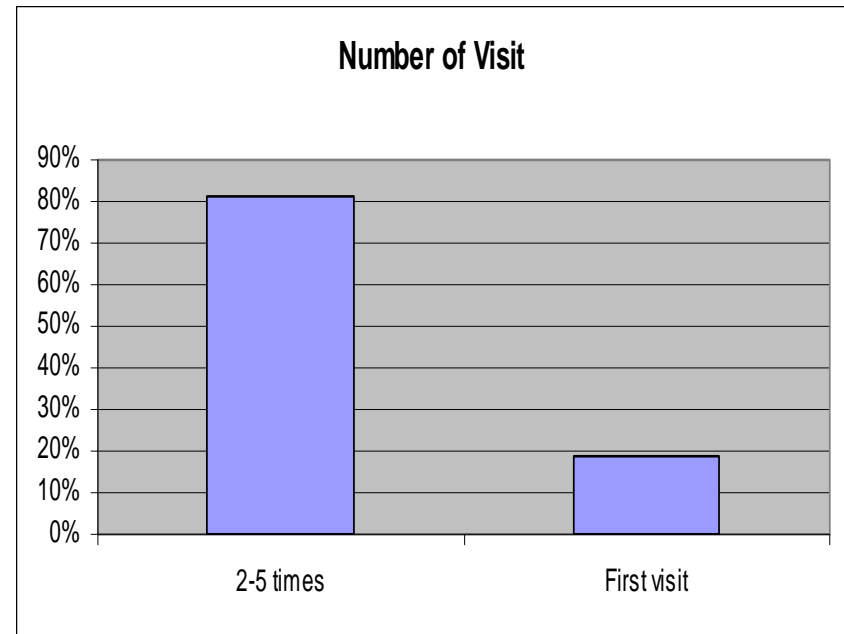
Evaluation Methodology

- Online survey
- March 30 – April 24, 2009
- Convenience sampling among NJVid participants
- 16 completed responses



Number of Visits

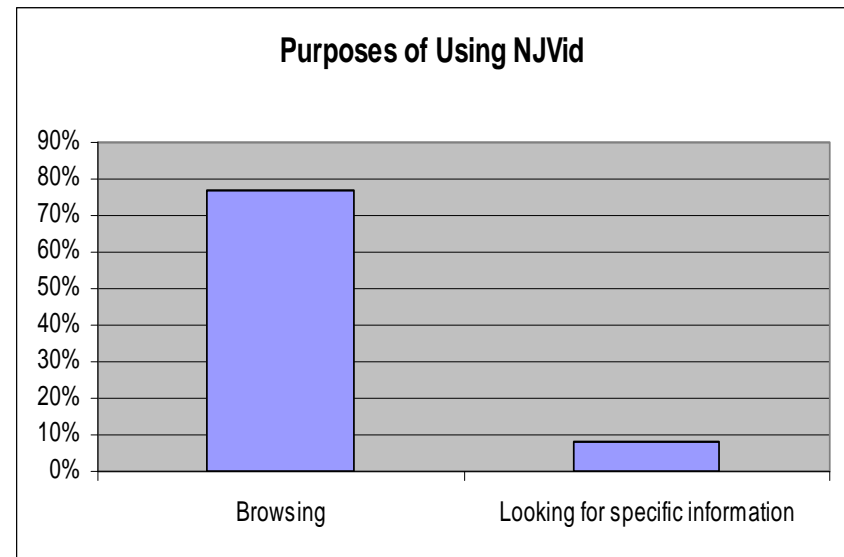
- 81% of survey participants have visited NJVid 2-5 times.
- 19% have made their first visit.





Purposes of Using NJVid

- 77% for browsing
- 8% for looking for specific information





Browsing

- 73% found it useful to browse by subject or by contributing organization.



Display

- 53% found it useful to arrange display by title or date.
- 79% said the essential data elements such as title, date created, description, duration, and target audience should be displayed on the hit list.



Suggestions

- We need more content for the NJVid digital library.
- We need clearer explanation of the purpose (for whom was it designed), process, and resources.
- Headings are ambiguous.
- It was not apparent that videos may be selected via the left-hand pane.
- We need to have more New Jersey history subject headings.
- We need longer display of search results.
- We need the ability to view brief segments, queue segments into a playlist of sorts, ability to download segments and incorporate into PowerPoint presentation.
- Better indication on "what's new."



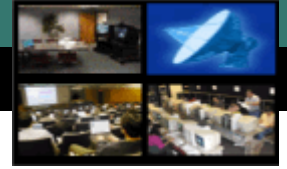
Commercial Video collection

- Deposit and Digitization Master Agreement
- Benefits of this collection
 - No need for physical acquisitions
 - Shared cataloging
 - New possibilities for user access
 - Online access to some vendor collections for the first time
 - Overall reduction in staff workload and time spent



First Commercial Video collection

- Films Media Group
 - Signed Deposit Agreement
 - Negotiated reduced consortium pricing
 - Discussed technical requirements for hosting FMG collection
 - Acquired FMG's video files, metadata and thumbnail images



Films Media Group Test

- Initial commercial video collection
- 25 titles chosen
 - Off-licensed titles
 - Variety of subject matter
- 8 participating institutions
 - Existing or committed FMG licensees
 - Free access to 25 FMG titles for evaluative purposes



VALE Digital Media Committee

Charge:

To provide a vehicle for VALE member institutions to obtain streaming rights for digital media

<http://www.valenj.org/committees/digital-media>



VALE Survey on Licensing Videos

1. Do you currently stream videos?
2. What titles and/or distributors would you like VALE to begin negotiations with for the coming year?
3. If you are interested in streaming, but haven't provided this service at your institution, do you anticipate that you will join in the coming fiscal year?



Commercial Video Today

- Over 1,000 titles
- Currently 5 Commercial Video Vendors
 - Ambrose
 - BioMedia
 - California Newsreel Collection
 - FMG
 - Media Education Foundation

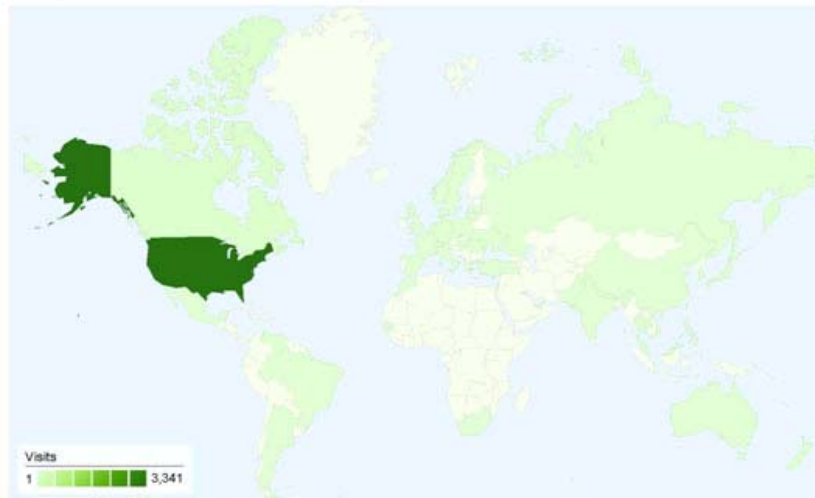
<http://njvid.net>



NJVid Stats – GeoMap Report

fdr.njedge.net
Map Overlay

Jul 5, 2010 - Oct 29, 2010
Comparing to: Site



3,573 visits came from 54 countries/territories

Site Usage					
Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate	
3,573	6.84	00:05:46	48.84%	45.56%	
% of Site Total:	Site Avg:	Site Avg:	Site Avg:	Site Avg:	
100.00%	6.84 (0.00%)	00:05:46 (0.00%)	48.84% (0.00%)	45.56% (0.00%)	
Country/Territory	Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
United States	3,341	7.18	00:06:05	46.03%	43.94%
Canada	74	1.91	00:01:04	90.54%	67.57%
United Kingdom	14	1.43	00:00:14	100.00%	57.14%
Australia	13	1.85	00:01:57	84.62%	76.92%
India	13	1.31	00:00:31	92.31%	69.23%
Germany	9	1.44	00:00:11	100.00%	77.78%
New Zealand	8	2.62	00:04:26	87.50%	37.50%
Cyprus	7	3.29	00:00:52	57.14%	42.86%
Italy	6	1.00	00:00:00	100.00%	100.00%



NJVid Stats – Networks Report

fdr.njedge.net

Service Providers

Jul 5, 2010 - Oct 29, 2010

Comparing to: Site



3,573 visits came from 517 service providers

Site Usage

Visits 3,573 % of Site Total: 100.00%	Pages/Visit 6.84 Site Avg: 6.84 (0.00%)	Avg. Time on Site 00:05:46 Site Avg: 00:05:46 (0.00%)	% New Visits 48.84% Site Avg: 48.84% (0.00%)	Bounce Rate 45.56% Site Avg: 45.56% (0.00%)	
Service Provider	Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
william paterson university	801	12.49	00:09:42	7.37%	53.31%
new jersey institute of technology	420	11.29	00:13:07	17.38%	25.00%
comcast cable communications inc.	398	5.30	00:05:55	39.70%	41.21%
montclair state university	187	6.35	00:04:18	46.52%	26.74%
verizon internet services inc.	181	3.70	00:03:08	76.45%	42.54%
optimum online (cablevision systems)	139	5.12	00:04:05	83.45%	40.29%
middlesex county college	94	3.51	00:00:54	28.72%	51.06%
rutgers university	90	4.72	00:01:58	45.56%	31.11%
fairleigh dickinson university	88	3.45	00:01:58	93.18%	76.14%
road runner holdco llc	71	2.45	00:01:34	88.73%	57.75%
1 - 10 of 51					

1 - 10 of 517



NJVid Stats – Visitor Loyalty Report















fdr.njedge.net

Visitor Loyalty

Jul 5, 2010 - Oct 29, 2010

Comparing to: Site

Most visits repeated: 1 times

Count of visits from this visitor including current	Visits that were the visitor's nth visit	Percentage of all visits	
1 times	1,745.00		48.84%
2 times	267.00		7.47%
3 times	138.00		3.86%
4 times	94.00		2.63%
5 times	64.00		1.79%
6 times	52.00		1.46%
7 times	40.00		1.12%
8 times	37.00		1.04%
9-14 times	160.00		4.48%
15-25 times	157.00		4.39%
26-50 times	178.00		4.98%
51-100 times	121.00		3.39%
101-200 times	101.00		2.83%
201+ times	419.00		11.73%



What's Next?

Learning-on-Demand

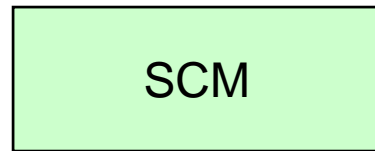


Learning on demand

- Quick upload of videos from their local computer
- Allows institutions to change access restrictions to their uploaded videos
- Native Support for Flash and H.264 (MPEG-4) videos
- Allows automatic transcoding from MPEG-1, MPEG-2, MOV, WMV using Encoding.com (encoding.com)
- Accepts content and metadata exported from lecture capture systems such as Camtasia Relay server and Echo 360.



LoD Administration hierarchy



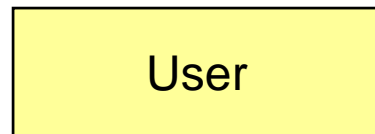
Super Collections Manager (SCM) (Statenet level)

- Manages all videos, collections and permissions
- Can create ICMs



Institutional Collections Manager (ICM)

- Manages all videos and collections that belong to his/her institution
- Can create users and assign collections to each user
- Can view and delete videos by users of his institution
- More than one ICM per institution permitted (eg. departmental level).
- Manages Labels.



Learning on Demand User

- Can upload videos to assigned collections
- Manage their own content. Add/delete
- Can request access by going to the LoD site
- ICM will have to approve access.



LoD Access Restrictions

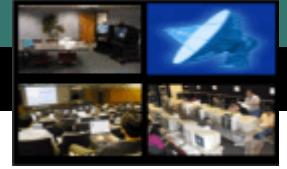
Authentication

Members needs to be part of NJTrust to access this service.

No need to manage usernames and passwords

Authorization (permit/deny access)

Authorization is handled by the LoD system. Users identified by their shibboleth 'eppn' (Netid's or Userid's) and shibboleth affiliation.



LoD Authentication Labels

- All videos uploaded into LoD are by default 'private'. Video can be seen only by uploader.
- Labels can be used to enable access to
 - Institutional role (student@institution.edu etc) --OR--
 - NetIDs or UserIDs (jdoe14@institution.edu)
- A Video can have multiple labels
- Applying the 'Public' label makes the video accessible without any authentication.
- Access by private URL in the works

NJVID New Jersey Video Portal

Adding Videos



Learning on Demand

Manage Videos

- Add
- Edit

Manage Users

- Add
- Requests(0)

Manage Labels

- Create Labels
- Edit Labels

Camtasia Relay Server

- Configuration Settings
- Logs

Usage(0.61%)

Contact Us

Add a Video

Usage (MB)

12.55/2048 (1%)

Jobs in Queue

0

Uploaded Videos

2

Title*

Insert title

Upload

Click this button to upload videos from your computer

Choose a file to upload*

OR

If video is in a ftp server or a website provide the link

URL/FTP of file location*

Abstract*

Abstract or description of the video

Collection*

CART: The College of the Arts Collection

Pick the collection you want the video to be ingested to

Subject*(Hold down Ctrl to select multiple values)

Architecture
Art
Biography
Business
Country
Economy
Education
Environment
Geography
Government
Health
History
Languages
Law
Literature

Pick one or more subject terms

NJVID New Jersey Video Portal

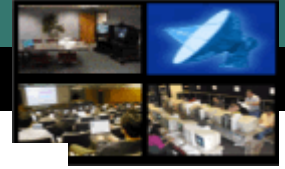
Adding Videos (continued)



Contributors	<input type="button" value="Add Person"/> <input type="button" value="Add Institution"/>	← Add one or more contributors
Language*	<input type="text" value="English"/>	← Pick language of the video
Target Audience* (Hold down Ctrl to select multiple values)	<div><div>General TV-G (general audience) researchers educators Adult College Educator Higher education K-12 (general) High School (grades 10-12) 9-12 secondary General Education Primary (grades 1-6) Adult/Continuing education Special Audiences Female Other</div></div>	← Pick one or more target audience
Date Created*	<input type="text" value="MM-DD-YYYY"/>	← This is the date the video was created.
Expiry Date (Date on which video will be deleted)	<input type="text" value="0000-00-00"/> MM-DD-YYYY	← Pick the expiration date of the video. The video is inaccessible after this date.
Convert to Format	<input type="text" value="None"/>	← If the video is in a format that is not standard, pick one of the presets for conversion (FLV or MP4)
<input type="button" value="Submit Request"/>		

NJVID New Jersey Video Portal

Adding Users



Learning on Demand

Manage Videos

- Add
- Edit

Manage Users

- Add
- Requests(0)

Manage Labels

- Create Labels
- Edit Labels

Camtasia Relay Server

- Configuration Settings
- Logs

Usage(0.61%)

Contact Us

Add a new user to Learning On Demand

Attention: Entries with * must be filled.

Shibboleth ID*	<input type="text"/> @njedge.net
First Name*	<input type="text"/>
Middle Name	<input type="text"/>
Last Name*	<input type="text"/>
Email*	<input type="text"/>
Role*	<input type="checkbox"/> Faculty <input type="checkbox"/> Staff <input type="checkbox"/> Student
Institution*	<input type="text" value="NJEDge.Net"/>
Collections*	<div>CART: The College of the Arts Collection Montclair State University Collection Harry A. Sprague Library Collection</div>
Upload needs ICM approval*	<div>No</div>

Specify NetID or UserID of the User

Pick the collection(s) that the user can add videos to

Select 'Yes' if all videos will have to be approved before are published.

Add



Next Release

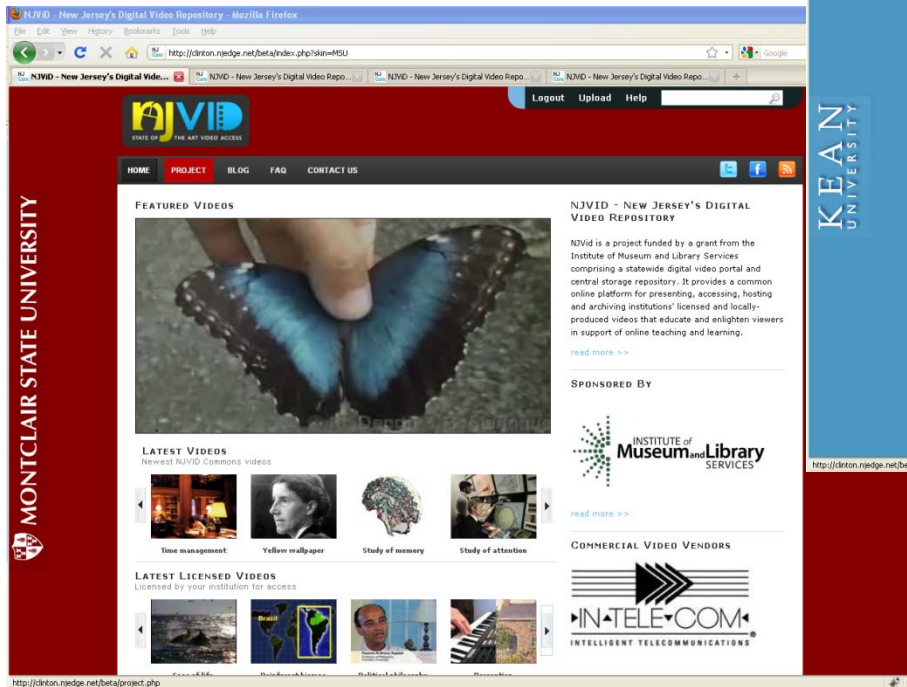
- New website that allows branding
 - Customizable website template for each institution.
 - Customized display of collections per Institution
- Upload from your webcam.
- Annotations of videos.

Future Release - support for streaming to iPads and iPhone

NJVid New Jersey Video Portal



Custom templates





NJVid Annotation Tool

Features

- Use shibboleth for authentication/authorization
- Search NJVid for video
- Allow users to annotate video with text
- Create a playlist of annotations
- Share playlist with other users
- Publish playlist to NJVid repository



Home Screen

Annotation Tool
Messages Chat Feedback Preferences Logout

NJVid
STATE OF NEW JERSEY THE ART VIDEO ACCESS

Content player

Management space

Playlist

People & Groups **Workspace** **Find Video**

This the workspace

Edit
Save
Publish
Export



Video Search

Annotation Tool
Messages Chat Feedback Preferences Logout

NJVid
STATE OF THE ART VIDEO ACCESS

Playback of video

People & Groups Workspace Find Video

Search: butterfly Find (3)

Morpho peleides
A close up scene of a female Morpho peleides butterfly. Shot in San Felipe, Venezuela by Mitsunori (Mitch) Denda and Roger Manrique on October 31, 2004. The butterfly was released to observe its flight after a close up scene was filmed. The Morpho peleides is an iridescent tropical butterfly found in Mexico, Central

Parantica sita
The Parantica sita is a Danaidae butterfly, which is a relative of the Monarch butterfly, called Asagi-Madara in Japan. Like Monarchs, they fly a long distance over the island of Japan. Shot in by Mitch Denda in Shichimi Onsen, Japan on October 22, 2005.

Edit
Save
Publish
Export

Searching for
a video in
NJVid



Video Metadata & Annotation Ability

Annotation Tool

Messages Chat Feedback Preferences Logout



Annotation Icon

People & Groups

Workspace

Find Video

<< Back to results

Annotations (2)

Information

Title

Parantica sita

Date Created

2005

Subject

Science and math, Butterflies, Insects--Behavior, Animal flight, Lepidoptera, Milkweed butterflies, Milkweed butterflies--Japan, Butterflies--Japan, Lepidoptera--Japan

Duration

00:00:30

Target or Intended Audience

researchers educators

Video
metadata

Edit

Save

Publish

Export

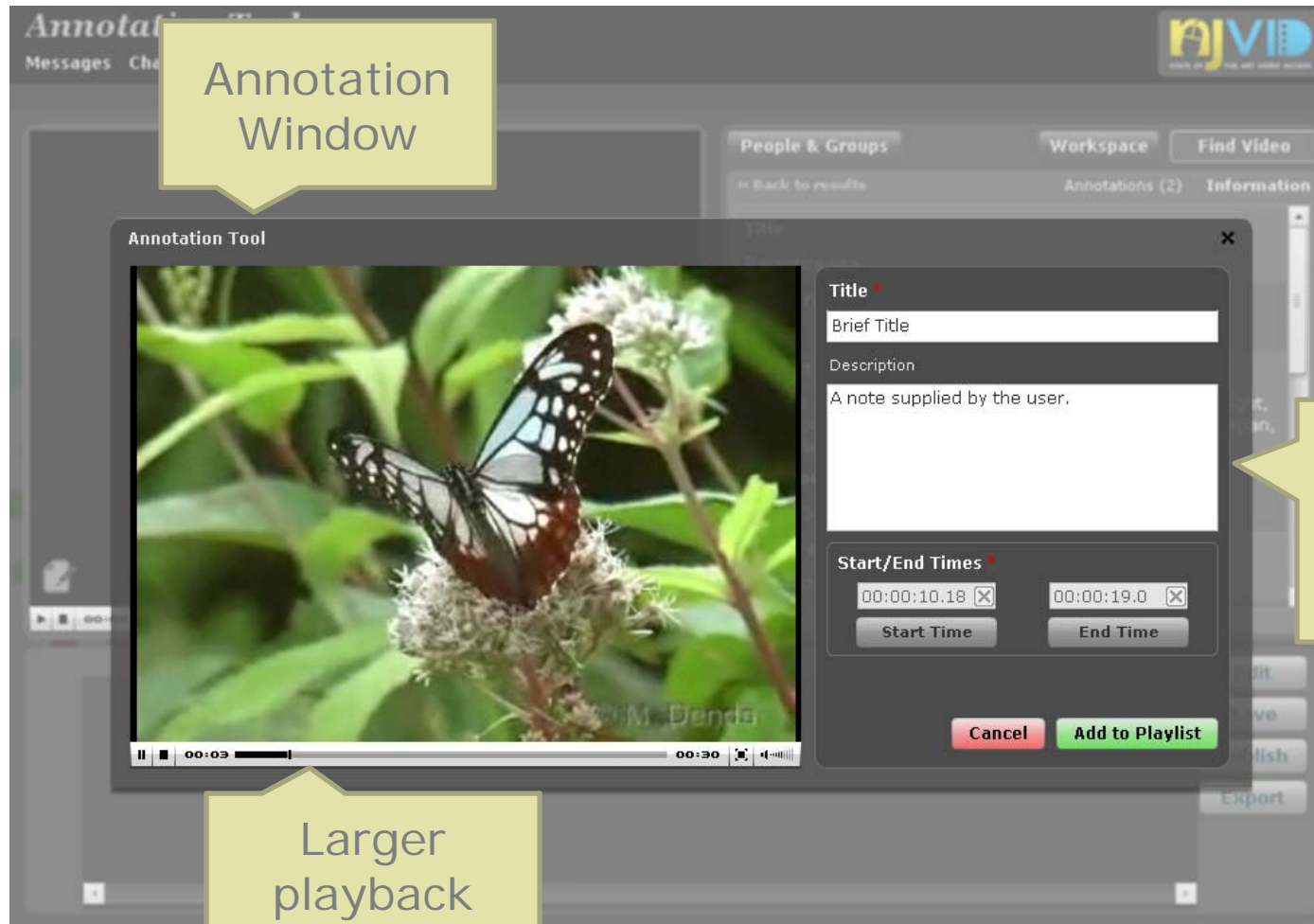


Annotating a Video

Annotation Window

Area to provide annotation

Larger playback space





Adding Annotation to Playlist

Annotation Tool
Messages Chat Feedback Preferences Logout

NJVid
STATE OF NEW JERSEY THE ART VIDEO ACCESS

People & Groups Workspace Find Video

<< Back to results Annotations (2) Information

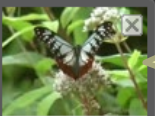
Title
Parantica sita

Date Created
2005

Subject
Science and math, Butterflies, Insects--Behavior, Animal flight, Lepidoptera, Milkweed butterfiles, Milkweed butterflies--Japan, Butterflies--Japan, Lepidoptera--Japan

Duration
00:00:30

Target or Intended Audience
researchers educators

1  00:10 to 00:19
Brief Title

Annotation added to playlist.
Playback, further editing and
copying available.

Edit
Save
Publish
Export



Playback of Playlist

Annotation Tool
Messages Chat Feedback Preferences Logout

00:08

00:30

Diaethria marchalli moving antenna
Sitting on tree bark moving antenna upward.

People & Groups

Workspace

Find Video

Find (7)

Diaethria marchalli
Diaethrias are known for carrying numbers (typically what looks like the numerals 88 and 98) on the ventral side of their hind wing. This video was shot by Mitch Denda and Roger Manrique in San Francisco on September 30, 2004.

00:00:30
1

Ithomiidae species
Ithomiidae butterflies fly even in light rain. It is relatively easy to follow them due to the slow flight, but their transparent wings makes it difficult to focus properly. Shot by Mitch Denda and Roger Manrique in San Francisco on September 30, 2004.

00:01:23
2

1 00:10 to 00:19
Brief Title

2 00:20 to 00:28
Diaethria marchalli

3 00:03 to 00:51
Sasakia charonda

4 00:07 to 00:11
Diaethria marchalli moving antenna

Edit

Save

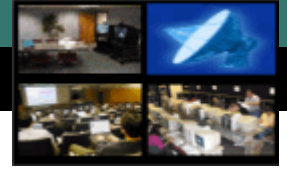
Publish

Export

Additional playback controls

View annotation data

Multiple annotations



About the Tool

- Adobe Flash based tool
- Web Application
- Works on multiple operating systems in many web browsers
- Available late spring early summer



NJVid Links

- <http://www.njvid.net>
- <http://www.fedoracommons.org>
- <http://shibboleth.internet2.edu>
- <http://www.njedge.net>
- <http://www.vale.org>
- <http://www.njdh.org>

millers@wpunj.edu Sandra Miller

prupis@njedge.net Sheri Prupis