NJVid: New Jersey Statewide Digital Video Portal

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Grass Roots Approach

- **Three Consortia**
  - **VALE** (Academic Libraries)
  - **NJEdge** (Higher Education and K12 IT and Educational support)
  - **New Jersey Digital Highway** (statewide cultural heritage organizations)

- **10 Alpha Implementers**
  - K12 schools, public library consortium, universities, museums
New Jersey Digital Video Initiative

Statewide Video Portal

- Supports any school, library or cultural heritage organization—"no institution left behind."
- "My NJVid" portal structure – local ownership and sharing

Management, organization, search and display

Organize, segment, annotate, share

Individual
User Centered Design

- **NJVid Commons**: shared collection
- 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.
- Lectures on Demand
- Commercial Videos
New Jersey Digital Video Initiative

Faculty View

LOD

VOD

Segment – Annotate – Organize – Manage - Share

CMS (WebCT, Sakai, Moodle)

MyNJVid

Org Portal

NJVID

NJEDge.Net

State of the Art Video Access

New Jersey’s Higher Education Network
New Jersey Digital Video Initiative

**Student View**

- CMS (WebCT, Sakai, Moodle)
- Org Portal
- NJVid Commons
- LOD
- VOD

**Segment – Annotate – Organize – Manage - Share**

**MyNJVid**
Heterogeneous Environment

- Different Business Models and different audiences
- No common AA methodology
  - Registered students in K12 vs. Higher Education
  - In-class vs. at home resource use
- Centralized Proxy services
- Grassroots policy making
- Flexible architecture to support collaboration
New Jersey Digital Video Initiative (NJVid)

- NJVid Digital Commons Video Collection
- Licensed Commercial Video Collection
- Learning Object Repository

Authentication & Authorization
- Shibboleth / LDAP / Group Identity Management

Workflow Management System
- Object Creation & Cataloging

Fedora Repository Storage & Management
**Video Specifications**

- Video source – analog and digital camcorder
- Archival master is uncompressed AVI
- Streaming protocol is QuickTime H.264
- Progressive Download is Flash Video
- 29.9 frames/second, 640 x 480 resolution, data rate from 384 – 512 kb/sec
- Transcripts full-text indexed
New Jersey Digital Video Initiative

A Video Digital Object

Video Object

Repository ID
Metadata
Behaviors (Disseminators)
Data streams
- SMAP1 – StrMap (TOC)
- FLV1 – download
- MOV1 – QT stream
- PDF1 – transcript (opt)
- XACML – authorization
- ARCH1 – Archival master (external datastream)

METS: Metadata Encoding & Transmission Standard

Descriptive
Technical
Source
Rights
Digital Prov.
Depositing My Work in NJVid

* indicates required field

Title of Work*

Author(s)*
First Name: Grace
Last Name: Agnew
Role: author
Affiliation: Rutgers University
Dept: Technical and Automated Services

Publication Date* (YYYY)

Abstract or Summary

Category*

Sponsoring agency

Copyright Holder*  ○ Author  ○ Other

Add more sponsors...
**New Jersey Digital Video Initiative**

**DESCRIPTIVE METADATA**

(* indicates required element)

**Type of Item**  
MovingImage

**Title Information**

**Title**

**Type**  

**Part Name**

**Part Number**

**Nonsort**

**Entry List (Title Info)**

| ka 'lesl 09-21-07 |

**Subtitle Information**
### Technical Metadata

#### Operating System
- **Version**
- **Operating System**

#### Format
- **Type**: Encoding
- **Version**
- **Value**

#### Compression
- **Compression Scheme**
- **Compression Ratio**
  - LZW
  - Uncompressed
  - Unknown
  - Wavelet
- **Color Space**

#### Sampling
- **Sampling Unit**
- **Sampling Size**
- **Sampling Word Size**
- **Bits per Sample**
Rights Declaration

Authority
- FS
- GS
- LS
- KA
- KA test
- NUDH
- RULIB
- Virginia Tech
- Local (free text)

Value
This object may be copyright protected. You may make use of it.

Copyright

Status: copyright protected

Notice

Note

Availability

Status: Open
NJVid Concept
Architecture

User Input (metadata)

Workflow Management System

NJ Vid Commons

Partner Portals

Collection & Preservation Services

Fedora Repository Service

Object XML

Digital Video Master

Object Ingest

Digital Object Repository (Fedora)

Matrox Axio Encoder

Video

Workflow Management System

Fedora Repository Service

Digital Video Master

Object XML

Object Ingest

Video

Matrox Axio Encoder