

November 2008 – July 2011

# AVA: Access to Video Assets Project

## Outcomes and Lessons Learnt

**Digital Preservation Coalition  
Preserving Digital Sound and Vision  
Foyle Centre, British Library, London  
8th April 2011**

The Open University

## Aims

- To deliver a proof-of-concept repository prototype for managing the digital preservation of OU video
- To improve staff access to OU video assets

## Benefits

- Long term preservation of OU video heritage
- Improved access to facilitate reuse, repurposing and repackaging of content, to save time and money in course production

# Challenges

- Multiple collections with different functions
- Plethora of formats
- No consistent way to reference objects in one collection from another



## Main Activities

Audit to locate and identify *at-risk* tapes

Audit to identify video related metadata and paperwork

Preservation of *at-risk* tapes and digitisation of related paperwork

Identifying needs - user workshops, surveys, interviews

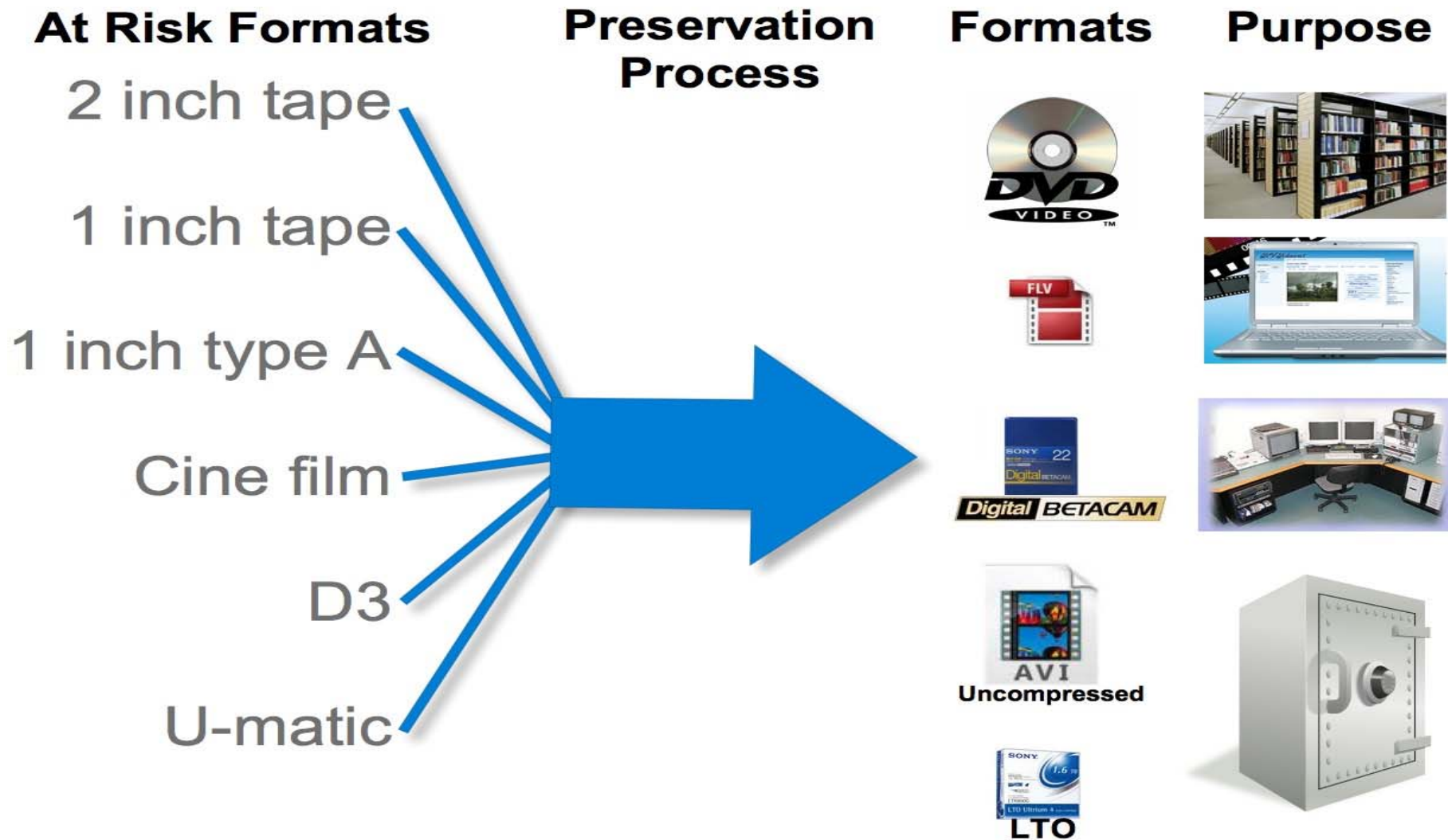
Metadata profile for video

In-video search technology & prototype development

Digitise-on-demand pilot



# Digital Preservation of 1200 Tapes



# Digitisation of paperwork for metadata extraction

- 145,000 pages of related metadata digitised



## User Needs Analysis

Over **98%** of survey respondents said it was either very, or fairly important for the OU to allocate resources to preserve its video content and to support re-use video materials

***“It makes sense to re-use good quality material. Unfortunately the time taken to source it often cancels out the time saving of not producing new”***



## Possible repository solutions



## Lessons Learnt

- Untangling rights of archived video is a problem, not easily resolved
- Preservation actions need to be embedded into the workflow of the production of the asset
- It's very time-consuming to retrospectively link metadata
- Active preservation needs to be more than copying and keeping

## Future Issues

- Flexible system to cope with changing workflows
- Urgent need to address the management and storage of online only content
- Need to encourage access to create demand for preservation

## Why we chose Fedora

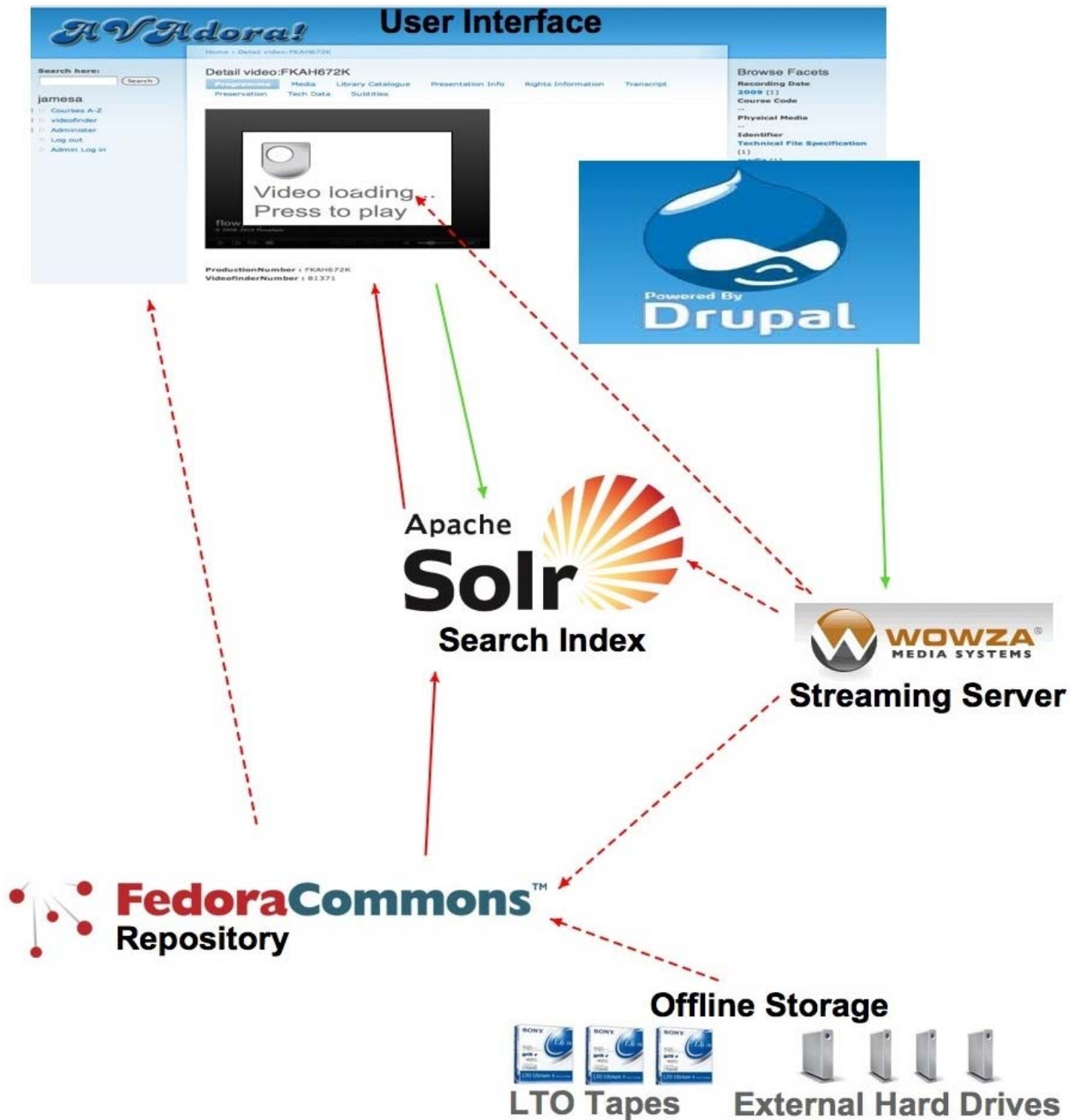
- Flexible object model
- Flexible on location of content – local and distributed
- Preserves and supports relationships between objects
- Enables web services for management and access

AVA

Access to Video Assets



*AVAdora!*





# Module-based Navigation



Home > Modules A-Z > Modules S (6) > Modules S2 (2)

## S269 (2)

« first last »

Id	Module Code	Title	Production Number	Date ▲
video:S840B	S269/04	Rapid Climate Change	S840B	27/08/1997
video:S808P	S269/06	Volcanoes and the Atmosphere	S808P	21/10/97

Search here:

### Navigation

- Modules A-Z
  - Modules A (16)
  - Modules C (7)
  - Modules D (8)
    - Modules Other (2)
  - Modules S (6)
    - Modules S2 (2)
      - S269 (2)
    - Modules S3 (4)
  - Modules U (1)
- videofinder
- Admin Log in

### login

Username:

### Filters

**Recording Date**  
**1997** (1)

**Module**  
**S269** (2)

**Physical Media**  
--

**Record Type**  
**LibraryCatalogueRecord** (2)  
**PAC** (2)  
**Subtitle** (620)  
**program** (2)  
**script** (2)

**Production Number**  
**FOUS808P** (1)  
**FOUS840B** (1)  
**S808P** (313)  
**S840B** (313)

# Module-based Navigation



The screenshot displays the AVAdora! website interface. The header features the AVAdora! logo in a stylized blue font. Below the header, a breadcrumb trail reads: Home > Modules A-Z > Modules S (6) > Modules S2 (2).

On the left side, there is a search bar labeled "Search here:" with a "Search" button. Below the search bar is a "Navigation" menu. The "Modules S (6)" category is expanded, showing a list of modules: Modules A (16), Modules C (7), Modules D (8), Modules Other (2), Modules S (6), Modules S2 (2), Modules S3 (4), and Modules U (1). The "Modules S2 (2)" sub-category is further expanded, showing two items: S269 (2) and S269 (2). The "S269 (2)" item is highlighted with a red circle.

In the center, the "S269 (2)" page is displayed. It includes a table with the following columns: Id, Module Code, Title, Production Number, and Date. The table contains two rows of data:

Id	Module Code	Title	Production Number	Date
video:S840B	S269/04	Rapid Climate Change	S840B	27/08/1997
video:S808P	S269/06	Volcanoes and the Atmosphere	S808P	21/10/97

On the right side, there is a "Filters" section. It includes filters for "Recording Date" (1997 (1)), "Module" (S269 (2)), "Physical Media" (2), "Record Type" (LibraryCatalogueRecord (2)), "PAC" (2), "Subtitle" (620), "program" (2), "script" (2), "Production Number" (FOUS808P (1), FOUS840B (1), S808P (313), S840B (313)), and "login".

# Search results


[Home](#) > [Search](#)

Search here:

jamesa

- [+ Modules A-Z](#)
- [+ videofinder](#)
- [+ Administer](#)
- [Log out](#)
- [Admin Log in](#)

## Search

Enter your search terms:


Search results: total 16

« first last »


### Rapid Climate Change

... sites climate sudden cooling inter-glacial periods **ice** age Scotland Lake District Younger Dryas Loch Lomond stadial kettleholes ... dating St Bees fossilised flora and fauna corrie glaciers **ice** sheets Rannoch Moor ...


### Subtitle 127 for Volcanoes

 ... acid rain or volcanic ash, can be preserved in **ice** cores, ...


### Subtitle 538 for Deco: The Art of Glamour

 ... she rolled onto her side into the Hudson River **ice** an ...

### Subtitle 90 for Bringing Home the Bacon

 Production:D630D Spool:DOU1025 Time in: 00:06:19,160 Time out: 00:06:22,520 Text: Ices. ...

### Subtitle 127 for Rapid Climate Change

 ... whether acid rain or volcanic ash, can be preserved in **ice** cores, ...

### Deco: The Art of Glamour

DECO/01 video:JOUA278P Hall J Wallace M Archer-Straw P Garner P Flinchum R Schoeser M Escritt S Frayling C JOUA278P Docu re Art Deco, style which influenced 1920s and 1930s architecture and design internationally, fe ...

### script S840B for S269/TV04

... event - central to the programme - saw the return of **ice** to parts of northern Scotland and the English Lake District and is known ... of how kettleholes form in the wake of retreating **ice** fields. Filled with water they often preserve a dateable succession of ...

### PAC D632B for DD200/02

## Filters

### Recording Date

[1997](#) (1)

[2003](#) (1)

### Module

[A216](#) (2)

[AA305](#) (1)

[DD200](#) (4)

[DECO](#) (2)

[S269](#) (7)

### Physical Media

--

### Record Type

[LibraryCatalogueRecord](#) (2)

[PAC](#) (6)

[Subtitle](#) (4)

[program](#) (2)

[script](#) (2)

### Production Number

[A480S](#) (1)

[A519D](#) (1)

[A591E](#) (1)

[D630D](#) (1)

[D632R](#) (1)

[FOUD630D](#) (1)

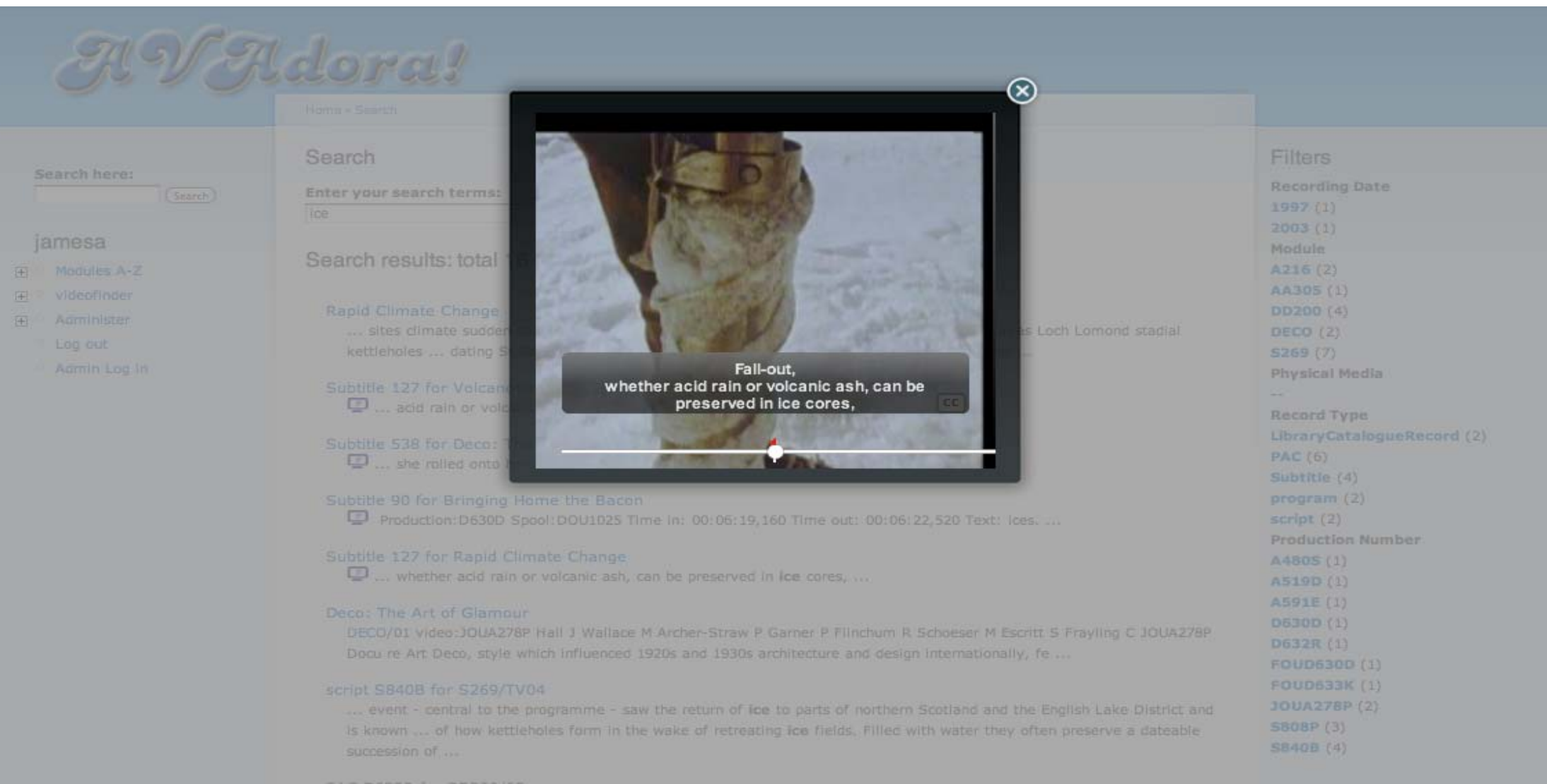
[FOUD633K](#) (1)

[JOUA278P](#) (2)

[S808P](#) (3)

[S840B](#) (4)

# Search results 2



The screenshot shows the AVAdora! website interface. At the top left is the 'AVA' logo and 'Access to Video Assets' text. At the top right is 'The Open University' logo. The main header features the 'AVAdora!' logo. Below it, a search bar is visible with the text 'Search here:' and a 'Search' button. To the left of the search bar is a sidebar with a 'jamesa' search filter and a list of links: 'Modules A-Z', 'videofinder', 'Administer', 'Log out', and 'Admin Log In'. The main content area displays search results for the term 'ice'. The results list includes items like 'Rapid Climate Change', 'Subtitle 127 for Volcanic', 'Subtitle 538 for Deco: The Art of Glamour', 'Subtitle 90 for Bringing Home the Bacon', 'Subtitle 127 for Rapid Climate Change', 'Deco: The Art of Glamour', and 'script S840B for S269/TV04'. A video player overlay is centered on the screen, showing a close-up of an ice core. The video player has a subtitle that reads: 'Fall-out, whether acid rain or volcanic ash, can be preserved in ice cores,'. The video player also has a progress bar and a 'CC' icon. On the right side of the page, there is a 'Filters' section with various filter categories and their counts: 'Recording Date' (1997 (1), 2003 (1)), 'Module' (A216 (2), AA305 (1), DD200 (4), DECO (2), S269 (7)), 'Physical Media' (LibraryCatalogueRecord (2), PAC (6), Subtitle (4), program (2), script (2)), 'Production Number' (A480S (1), A519D (1), A591E (1), D630D (1), D632R (1), FOU630D (1), FOU633K (1), JOUA278P (2), S808P (3), S840B (4)).



# Filter Results



Search here:



jamesa

- [Modules A-Z](#)
- [videofinder](#)
- [Administer](#)
- [Log out](#)
- [Admin Log in](#)

Home &gt; Search

## Search

Enter your search terms:




Search results: total 16

« first last »


### Rapid Climate Change

... sites climate sudden cooling inter-glacial periods **ice** age Scotland Lake District Younger Dryas Loch Lomond stadial kettleholes ... dating St Bees fossilised flora and fauna corrie glaciers **ice** sheets Rannoch Moor ...


### Subtitle 127 for Volcanoes

 ... acid rain or volcanic ash, can be preserved in **ice** cores, ...


### Subtitle 538 for Deco: The Art of Glamour

 ... she rolled onto her side into the Hudson River **ice** an ...

### Subtitle 90 for Bringing Home the Bacon

 Production:D630D Spool:DOU1025 Time in: 00:06:19,160 Time out: 00:06:22,520 Text: Ices. ...

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### Deco: The Art of Glamour

DECO/01 video:JOUA278P Hall J Wallace M Archer-Straw P Garner P Flinchum R Schoeser M Escritt S Frayling C JOUA278P Docu re Art Deco, style which influenced 1920s and 1930s architecture and design internationally, fe ...

### script S840B for S269/TV04

... event - central to the programme - saw the return of **ice** to parts of northern Scotland and the English Lake District and is known ... of how kettleholes form in the wake of retreating **ice** fields. Filled with water they often preserve a dateable succession of ...

### PAC D632R for DD200/02

## Filters

### Recording Date

[1997](#) (1)

[2003](#) (1)

### Module

[A216](#) (2)

[AA305](#) (1)

[DD200](#) (4)

[DECO](#) (2)

[S269](#) (7)

### Physical Media

--

### Record Type

[LibraryCatalogueRecord](#) (2)

[PAC](#) (6)

[Subtitle](#) (4)

[program](#) (2)

[script](#) (2)

### Production Number

[A480S](#) (1)

[A519D](#) (1)

[A591E](#) (1)

[D630D](#) (1)

[D632R](#) (1)

[FOUD630D](#) (1)

[FOUD633K](#) (1)

[JOUA278P](#) (2)

[S808P](#) (3)

[S840B](#) (4)

## Results Filter



Home > Search

### Search

Enter your search terms:



Search results: total 2

« first last »

#### Rapid Climate Change

... sites climate sudden cooling Inter-glacial periods **Ice** age Scotland Lake District Younger Dryas Loch Lomond stadial kettleholes ... dating St Bees fossilised flora and fauna corrie glaciers **Ice** sheets Rannoch Moor ...

#### Deco: The Art of Glamour

**DECO**/01 video:JOUA278P Hall J Wallace M Archer-Straw P Garner P Flinchum R Schoeser M Escritt S Frayling C JOUA278P Docu re Art Deco, style which influenced 1920s and 1930s architecture and design internationally, fe ...

« first last »

### Filters

#### Current Filters

Identifier= program [Remove](#)

#### Recording Date

**1997** (1)

**2003** (1)

#### Module

**DECO** (1)

**S269** (1)

#### Physical Media

--

#### Record Type

**program** (2)

#### Production Number

**JOUA278P** (1)

**S840B** (1)

Search here:



jamesa

+ Modules A-Z

+ videofinder


+ Administer

Log out

Admin Log In



# Detail View



Home > Detail video:S840B

## Detail video:S840B


- Programme**
- Media
- Library Catalogue
- Presentation Info
- Rights Information
- Transcript
- Preservation
- Tech Data
- Subtitles
- Storyboard

Search here:

Search

jamesa

- Modules A-Z
- Administer
- Log out
- Admin Log in



00:39 29:29

**ProductionNumber** : S840B  
**VideofinderNumber** : 5276  
**CourseCode** : S269/04  
**Title** : Rapid Climate Change  
**Producer** : D Jackson  
**Contributor** : Jackson Pryce C Coope R Turner C Boardman J Ballantyne C  
**RecordingDate** : 27/08/97  
**Summary** : Quaternary Scientists research sites climate sudden cooling inter-glacial periods ice age Scotland Lake District Younger Dryas Loch Lomond stadial kettleholes sediment dating St Bees fossilised flora and fauna corrie glaciers ice sheets Rannoch Moor

climatic north moraine glacial

birch metres Stream evidence sediment

Climate glacier Bees Northern

corrie maximum glaciers coast

present valley polar west sort

water somewhere retreat period

ice years Lake Gulf

Scotland trees occupied warming

meltwater temperate south

weather Lomond District beetles

Atlantic time pattern Loch conditions

changes Arctic Stadial extent

### Browse Facets

**Recording Date**

...

**Module**

**S269** (313)

**Physical Media**

**3** (11)

**beta** (30)

**betasp** (30)

**d** (11)

**flopfi** (2)

**sp** (30)

**umat** (1)

**vhs** (2)

**Identifier**

**PAC** (1)

**Subtitle** (310)

**Technical File Specification**

**(1)**

**media** (49)

**program** (1)

**script** (1)

**Production Number**

**S840B** (363)

**Development**

- Devel settings
- Empty cache
- Enable Theme developer

## Tag Cloud Click Thro'



The screenshot shows the AVAdora! website interface. At the top left is the 'AVA Adora!' logo. Below it is a search bar with the text 'Search here:' and a 'Search' button. To the left of the main content area is a sidebar with a list of links: 'jamesa', 'Modules A-Z', 'videofinder', 'Administer', 'Log out', and 'Admin Log in'. The main content area features a video player titled 'Detail video:S840B'. The video shows a coastal landscape with a green field and a body of water. A text overlay on the video reads: 'About 17,000 years ago, an ice sheet covered much of the land mass of Northern Britain'. Below the video is a progress bar and a 'Close' button. To the right of the video player is a tag cloud with various tags such as 'glacial', 'sediment', 'Northern', 'coast', 'water', 'ice', 'Gulf', 'Scotland', 'meltwater', 'beetles', 'Atlantic', 'time', 'pattern', 'Loch', 'conditions', 'changes', 'Arctic', 'Stadial', and 'extent'. On the far right is a 'Filters' section with the following categories and counts: 'Recording Date' (1997 (1)), 'Module' (S269 (313)), 'Physical Media' (3 (11), beta (30), betasp (30), d (11), floppi (2), sp (30), umat (1), vhs (2)), 'Record Type' (PAC (1)), 'Subtitle' (687), 'Technical File Specification' (1), 'media' (49), 'program' (1), 'script' (1), and 'Production Number' (S840B (740)).

## Preservation tab



Home > Detail preservation

### Detail preservation

[Programme](#)
[Media](#)
[Library Catalogue](#)
[Presentation Info](#)
[Rights Information](#)
[Transcript](#)
[Preservation](#)

[Tech Data](#)
[Subtitles](#)
[Storyboard](#)

[List Actions](#)
[Action Details](#)

DateOfAction	Spool Number	Action Taken	Preservation Agent ▲
16/11/2009	DOU9290	Identified for digital preservation 2009	Access to Video Assets Project
14/12/2009	DOU9290	Digital Preservation AVI created from digibeta	Stanley Productions
28/02/2010		Digital copy viewed for QC	Archive staff

Search here:



jamesa

- + Modules A-Z
- + videofinder
- + Administer
  - Log out
  - Admin Log in

### Filters

#### Recording Date

--

#### Module

**A216** (5)

#### Physical Media

**3** (9)

**beta** (37)

**betasp** (37)

**d** (9)

**disk** (1)

**dvcam** (1)

**floppi** (2)

**hard** (1)

**sp** (37)

**vhs** (2)

#### Record Type

##### Technical File Specification

(1)

**media** (51)

**preservation** (3)

**program** (1)

**script** (1)

#### Production Number

**A491D** (57)

# Preservation tab 2

[Home](#) > [Detail preservation](#)

## Detail preservation

[Programme](#) [Media](#) [Library Catalogue](#) [Presentation Info](#) [Rights Information](#) [Transcript](#) **[Preservation](#)** [Tech Data](#) [Subtitles](#) [Storyboard](#)[List Actions](#) **[Action Details](#)**

Preservation Id: Preservation:06df51d-2a68-43e4-8ebc-6d93c1120b11

**Identifier:** preservation

**Production Number:** A491D

**Videofinder Number:** 5643

**Course Code:** A216/01

**Title:** Musee du Louvre: Understanding a National Institution

**Recording Date:** 30/01/99

**Spool Number:** DOU9290

**Media Type:** D3

**Crate Number:** 3

**Batch Number:** 26

**Action Taken:** Digital Preservation AVI created from digibeta

**Date Of Action:** 14/12/2009

**Preservation Statement:** One of remaining original D3s of programme

**Preservation Note:** High risk of shedding

**Preservation Agent:** Stanley Productions

**Preservation Priority:** Extremely high - D3

**Preservation Electronic File Identifier:** A216\_1999X\_BX\_V001.avi

**Second Generation Copy:** AVI of digibeta of DOU9275

**Hard Drive Serial Number:** 32455667848S

**Hard Drive Id:** OU\_HD\_0014

**Access Electronic File Identifier:** 5643.flv

Search here:

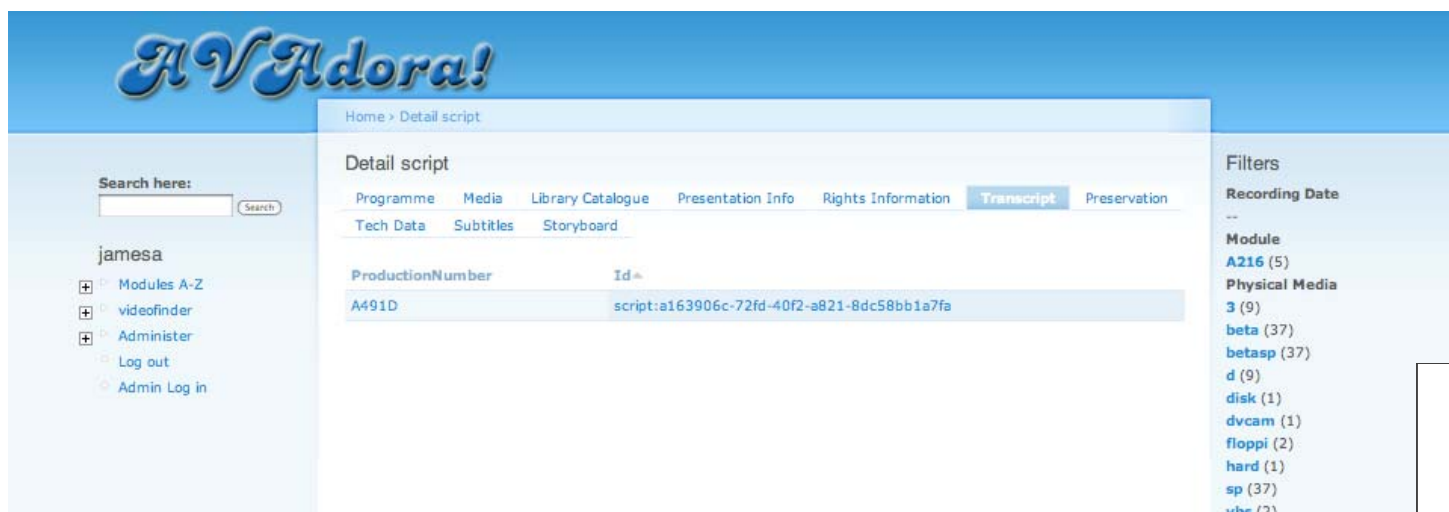
 

jamesa

- ☐ Modules A-Z
- ☐ videofinder
- ☐ Administer
  - ☐ Log out
  - ☐ Admin Log in



## Transcript tab



The screenshot shows the AVAdora! web interface. The top navigation bar includes links for Home, Detail script, Programme, Media, Library Catalogue, Presentation Info, Rights Information, Transcript (selected), and Preservation. The left sidebar contains a search bar and a list of modules: Modules A-Z, videofinder, Administer, Log out, and Admin Log in. The main content area displays the 'Detail script' page for a video asset. The 'Transcript' tab is active, showing a table with columns 'ProductionNumber' and 'Id'. The table contains one row with the value 'A491D' for ProductionNumber and 'script:a163906c-72fd-40f2-a821-8dc58bb1a7fa' for Id. The right sidebar contains filters for Recording Date, Module (A216 (5)), Physical Media (3 (9)), beta (37), betasp (37), d (9), disk (1), dvcam (1), floppi (2), hard (1), sp (37), and vhs (2).

1


**BBC FINAL TRANSCRIPT**

STRAND TITLE:	A216: ART AND ITS HISTORIES	PRODUCT TITLE:	TV01
PROGRAMME TITLE:	Musée de Louvre		
PRODUCER:	Nick Levison	PA:	Judy Collins
COSTING NO:	FOUA491D	SPOOL NO:	9290
		OU CASS NO:	

**SYNOPSIS:**

The Louvre - what are people looking for and how does the museum and the authority behind it guide the public and manage the cultural exchange. Tim Benton considers these questions. He discusses the development of the Louvre and its collections and the interaction with its visitors.

## Storyboard













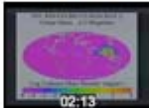















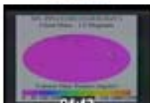
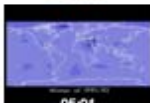


Home > Detail story

Detail story

[Programme](#)
[Media](#)
[Library Catalogue](#)
[Presentation Info](#)
[Rights Information](#)
[Transcript](#)
[Preservation](#)

[Tech Data](#)
[Subtitles](#)
[Storyboard](#)

To delete the current storyboard press [here](#)

					
00:23	01:07	01:10	01:33		
<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>
					
01:41	01:42	01:52	02:00	02:13	02:45
<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>
					
03:02	03:05	03:13	03:18	03:25	03:36
<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>
					
03:44	03:50	03:52	03:59	04:03	04:07
<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>
					
04:14	04:24	04:33	05:04	05:22	05:35
<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>	<a href="#">Delete</a>

Filters

Recording Date

Module

**S269** (313)

Physical Media

**3** (4)

**beta** (12)

**betasp** (12)

**d** (4)

**dvcam** (1)

**floppi** (2)

**sp** (12)

**umat** (1)

**vhs** (2)

Record Type

**PAC** (1)

**Subtitle** (310)

Technical File Specification

(1)

**media** (23)

**program** (1)

**script** (1)

Production Number

**S808P** (337)

Search here:

jamesa

[Modules A-Z](#)
[videofinder](#)
[Administer](#)
[Log out](#)
[Admin Log in](#)