VCenter

A solution for multimedia archives of NDAP

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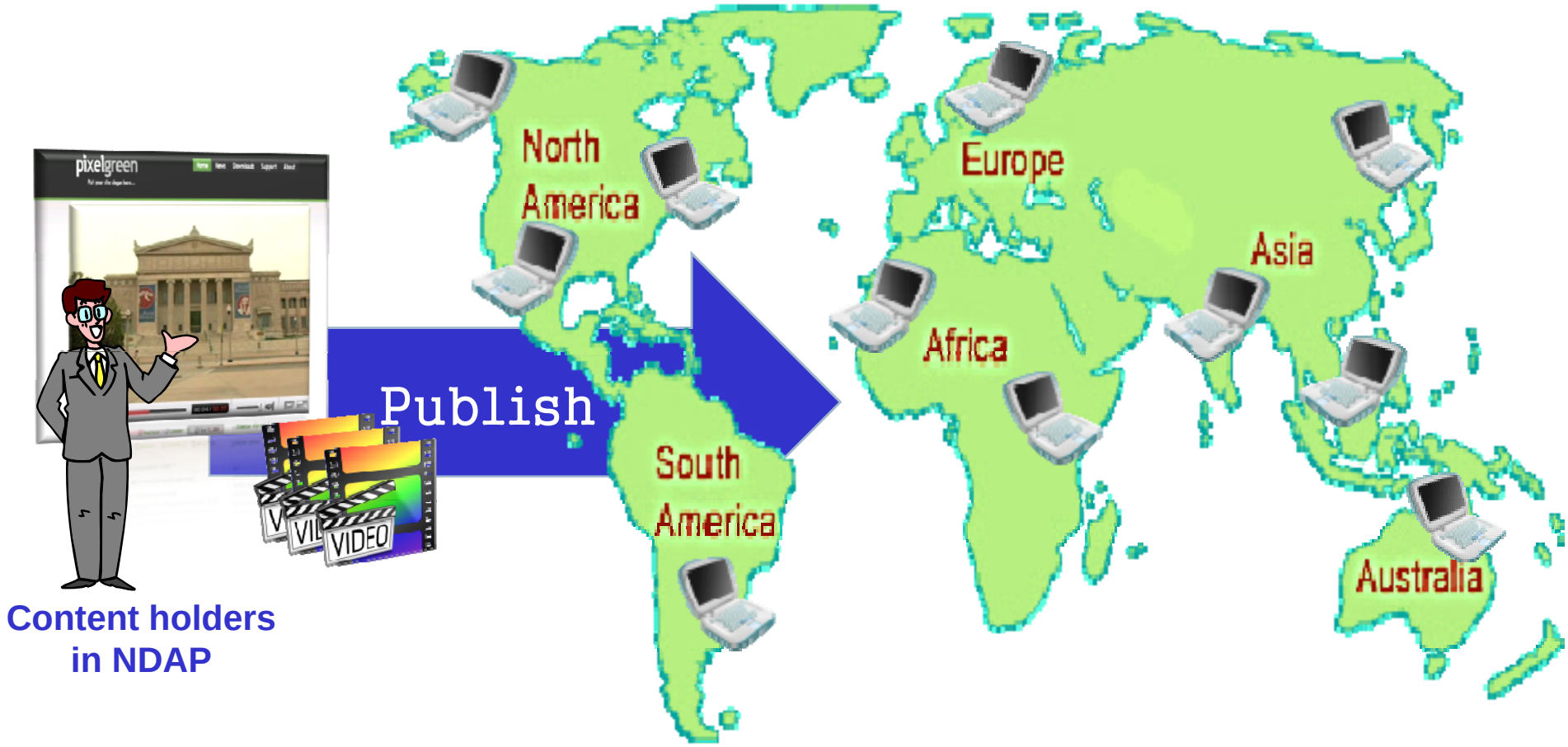
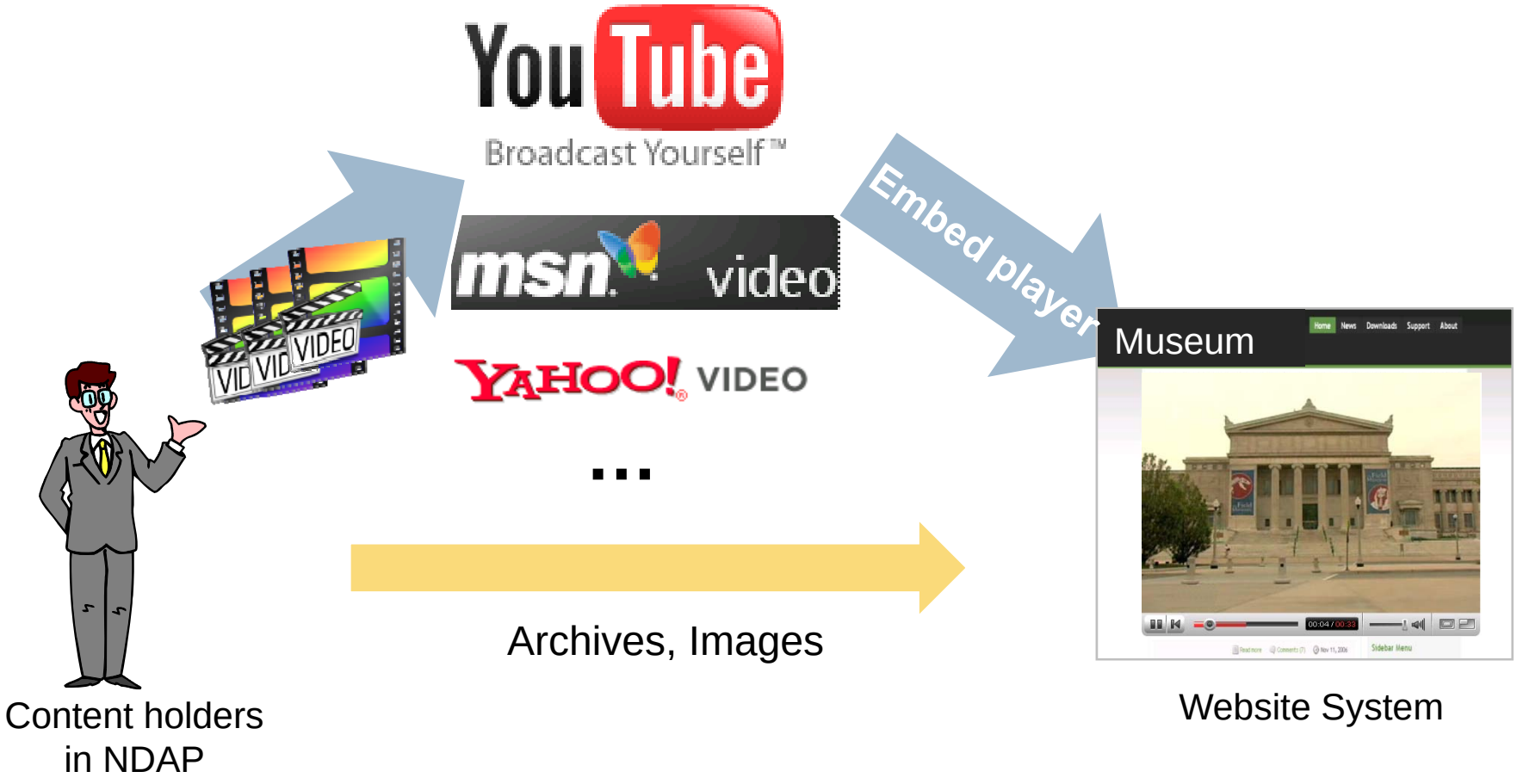
Outline

- Why did we develop VCenter?
- What is VCenter?
- What is the role of VCenter?
- How does it work?
- Who uses VCenter?
- VCenter Gadgets

Why Did We Develop VCenter?



Well-known Multimedia Sharing Platforms



Some Limitations

- Uploading constraint

- Batch files processing restrictions

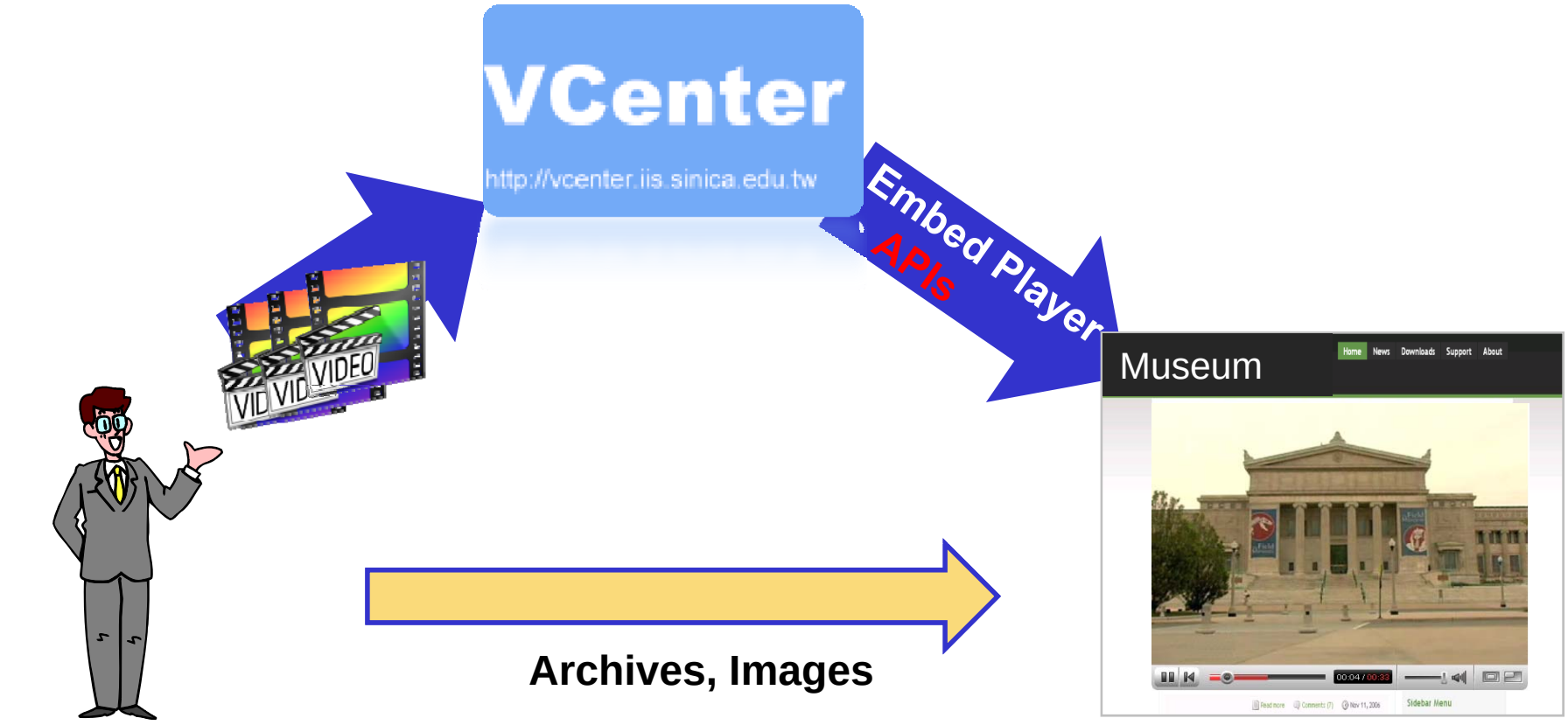
YouTube Broadcast Yourself™

msn video

YAHOO! VIDEO

...

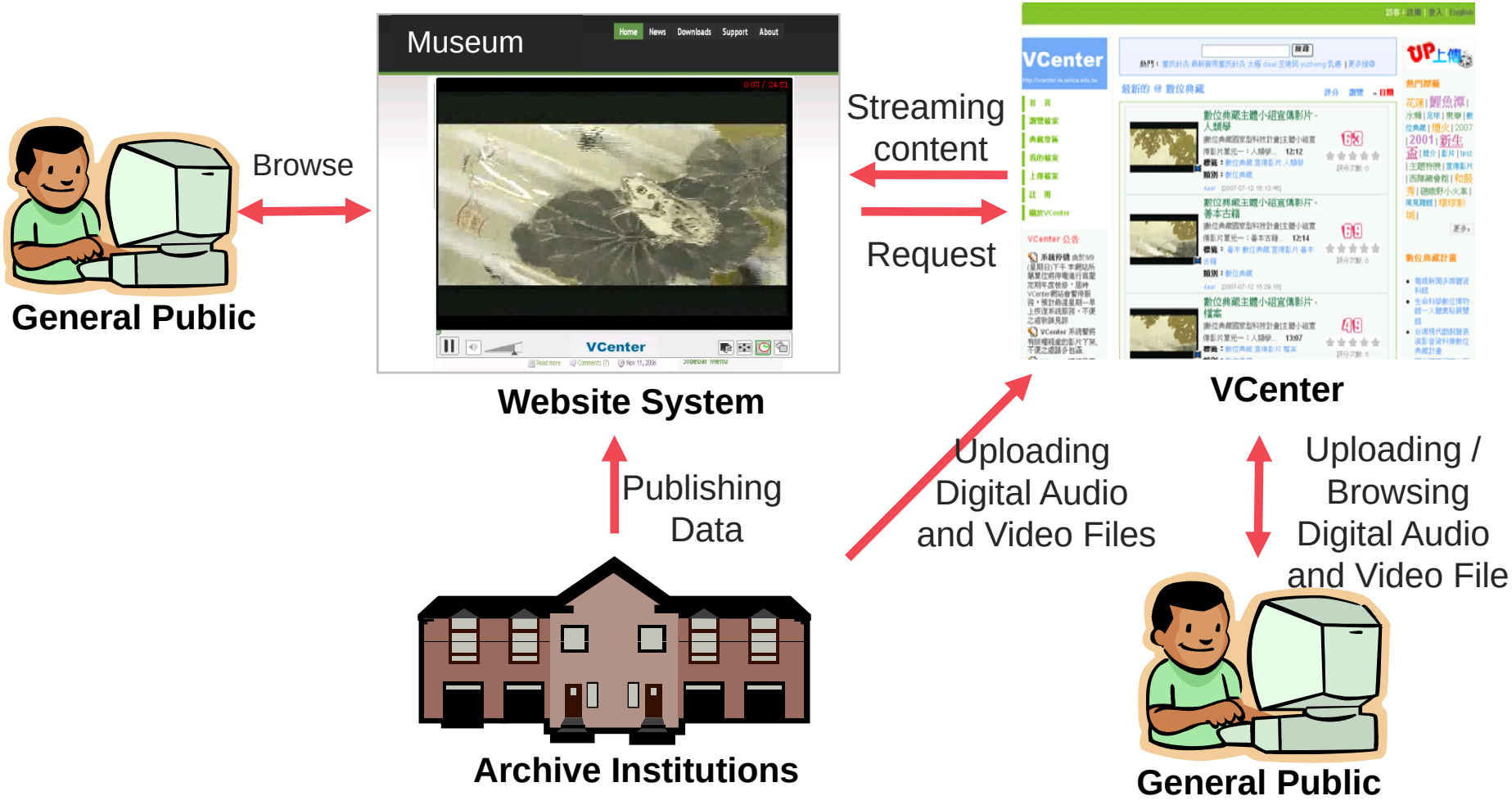
Why Did We Develop VCenter?



VCenter

- VCenter : Video Center
  - VCenter is a multimedia sharing platform
- For the general public:
  - Personal media blog (audio and video blog)
    - Upload / Watch / Share audio and video content
- For museum or archive programs:
  - Audio and video archive system
    - Upload / Broadcast / Manage batch audio and video content
- Online video editor
- Video Map

What is the Role of VCenter?



How to upload?

- Acceptable formats
- Upload a single file
- Upload the batch files

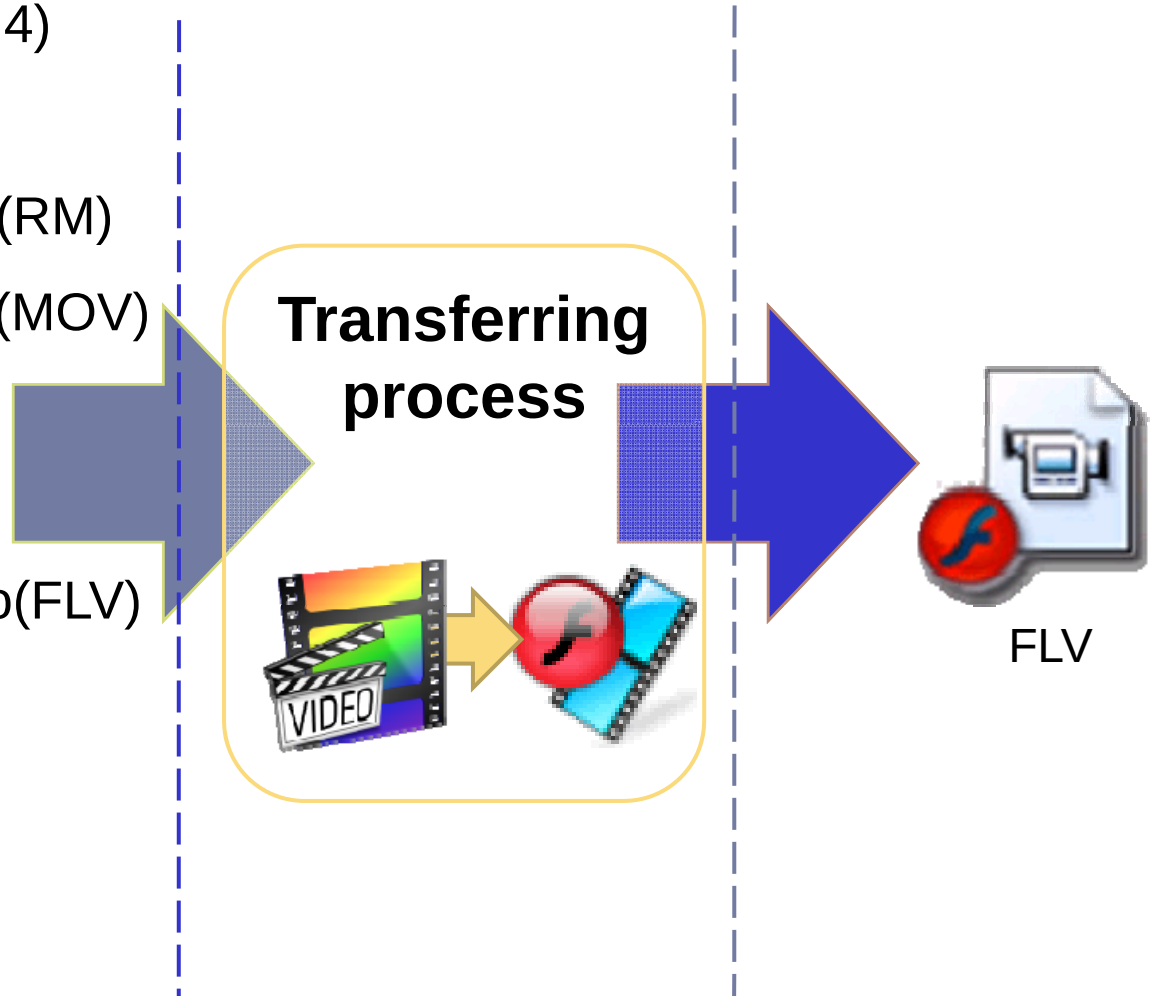
Acceptable Formats

Video Formats

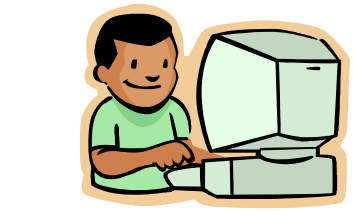
- MPEG(1,2,4)
- AVI
- RealMedia(RM)
- QuickTime(MOV)
- ASF/WMV
- 3GP/MP4
- Flash video(FLV)

Audio Formats

- MP3
- WMA
- WAV

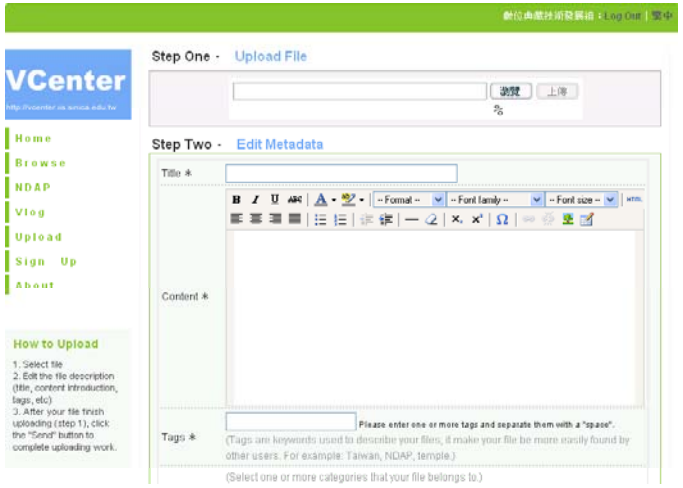


Uploading a Single File



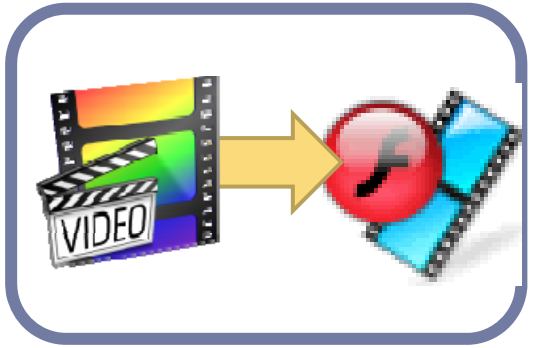
General Public

Archive Institution

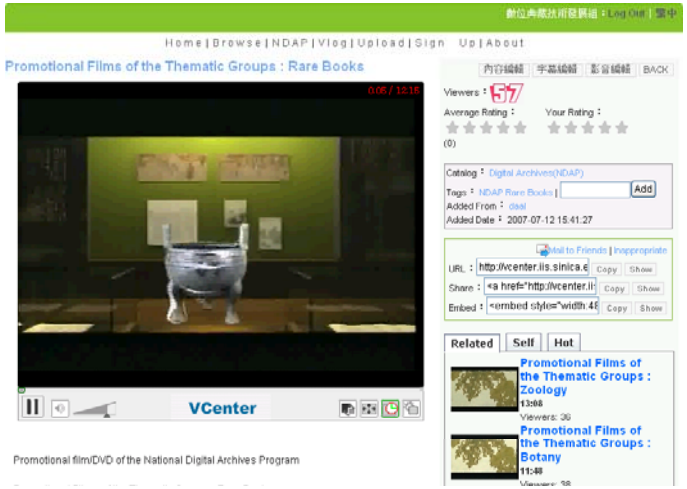


Upload Page

HTTP Protocol

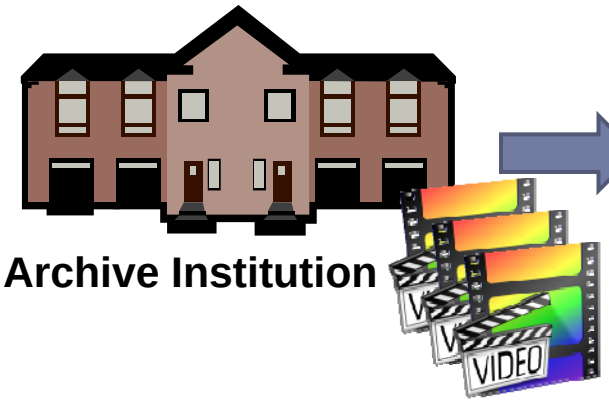


Transcoding



Watch Page

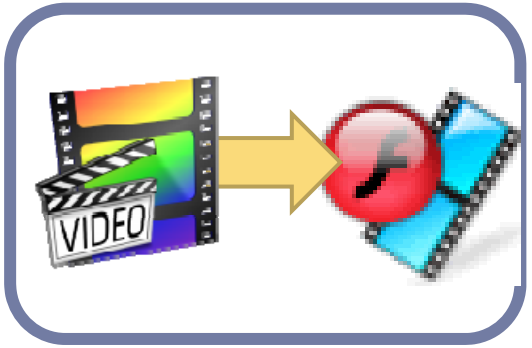
Uploading Batch Files



Archive Institution

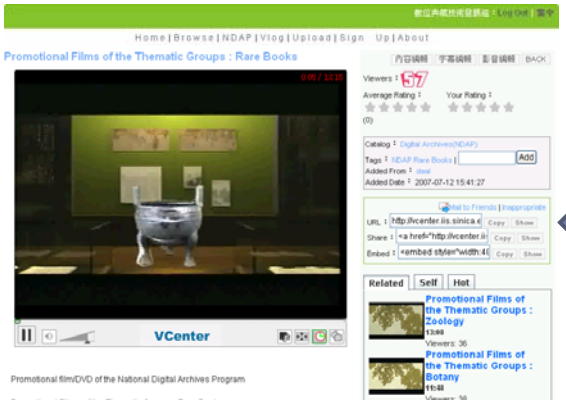
Create new project- Administration System

FTP Protocol



Transcoding

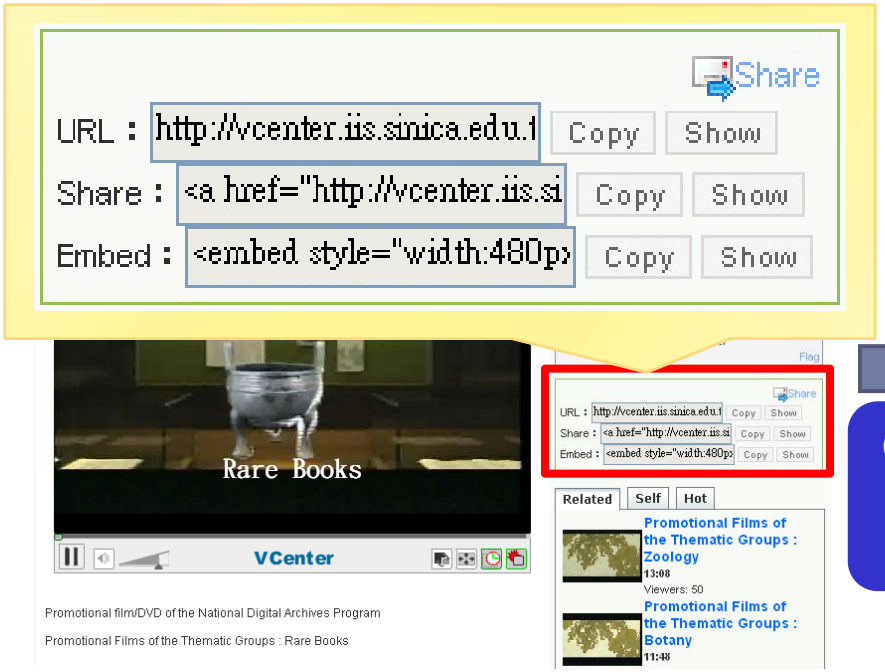
Import files and metadata – Administration System



VCenter Watch Page

How to broadcast your contents

Broadcast Your Contents



VCenter Watch Page

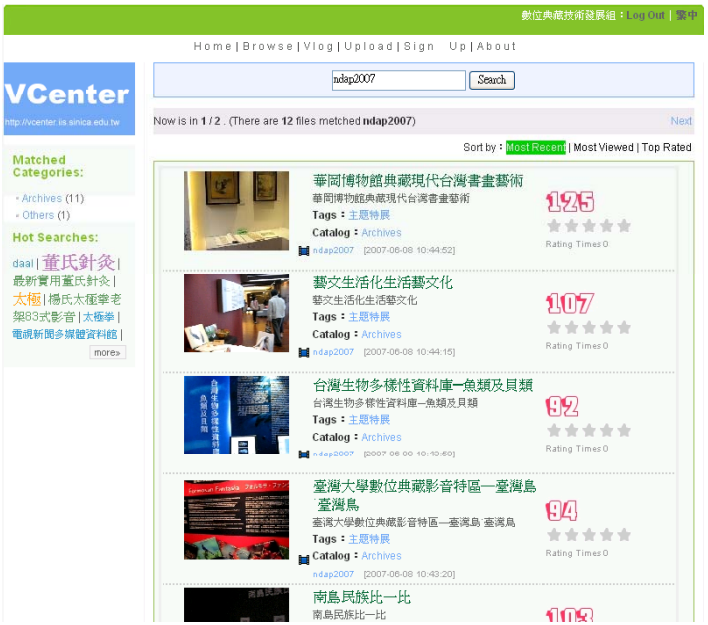
Copy / Paste Embedded HTML code

Blog

Email

Website System

Broadcast Your Contents



VCenter List Page

Export

Parse XML

Display

APIs

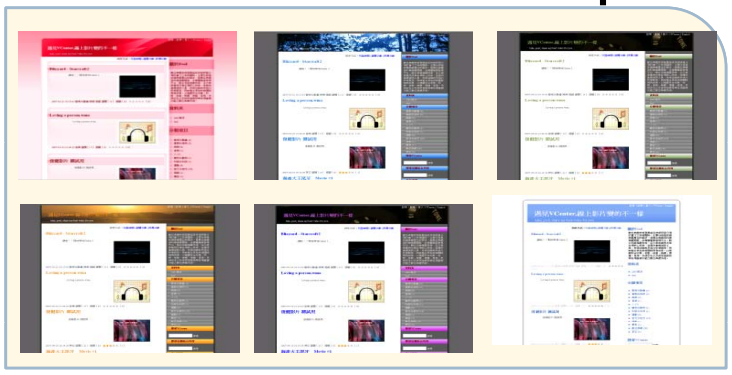
Personal List Page

What kinds of functions and services are provided by the VCenter?

- Social applications
- Online editor
- Video map
- Creative Commons License
- Exported data
- Administration

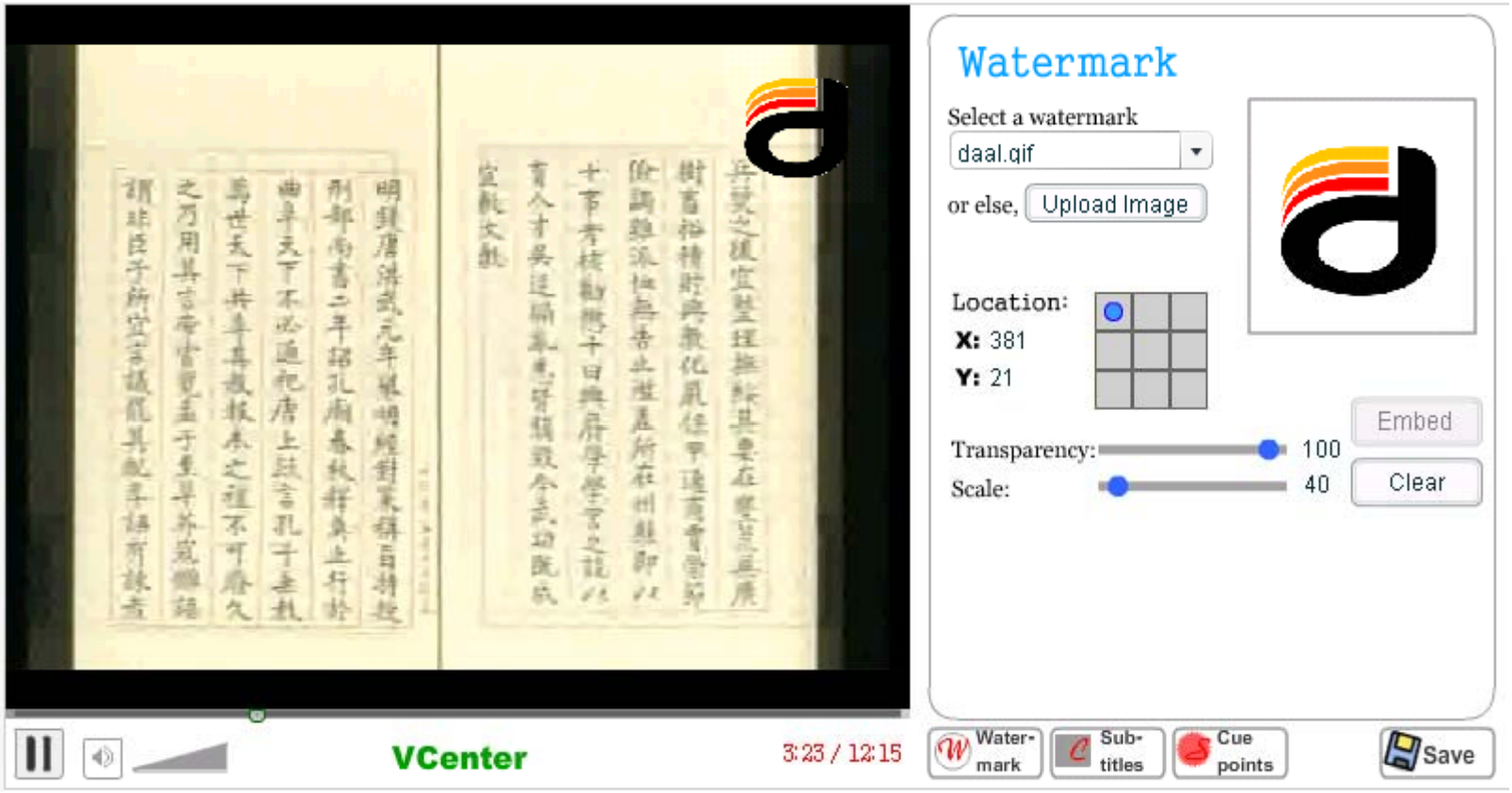
Social Applications

- Broadcast
- Category
- Tagging
- Rating
- Comments
- Search
- Customized template



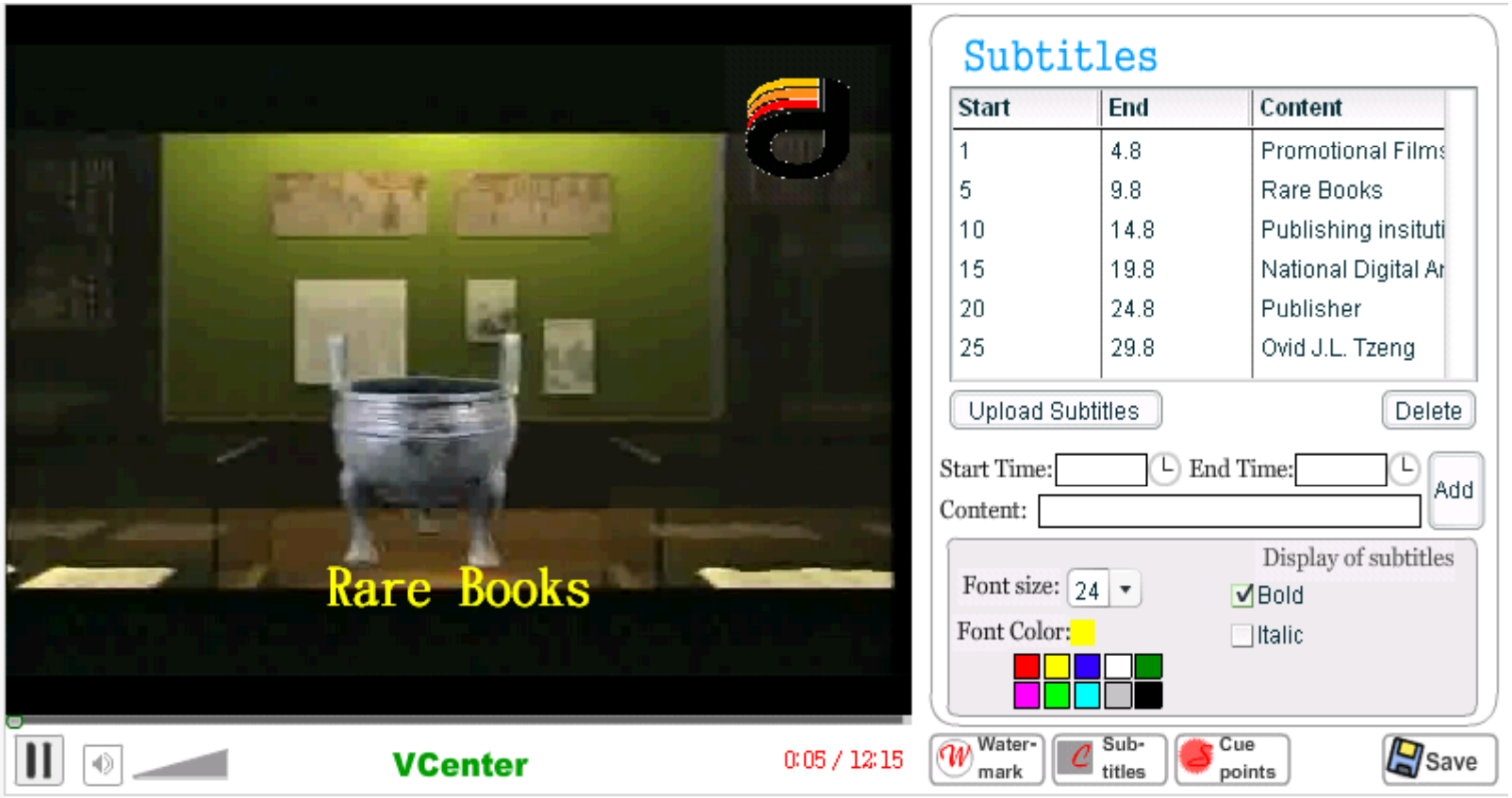
Online Editor – Watermarking

- Embed watermarks
  - Copyright protection



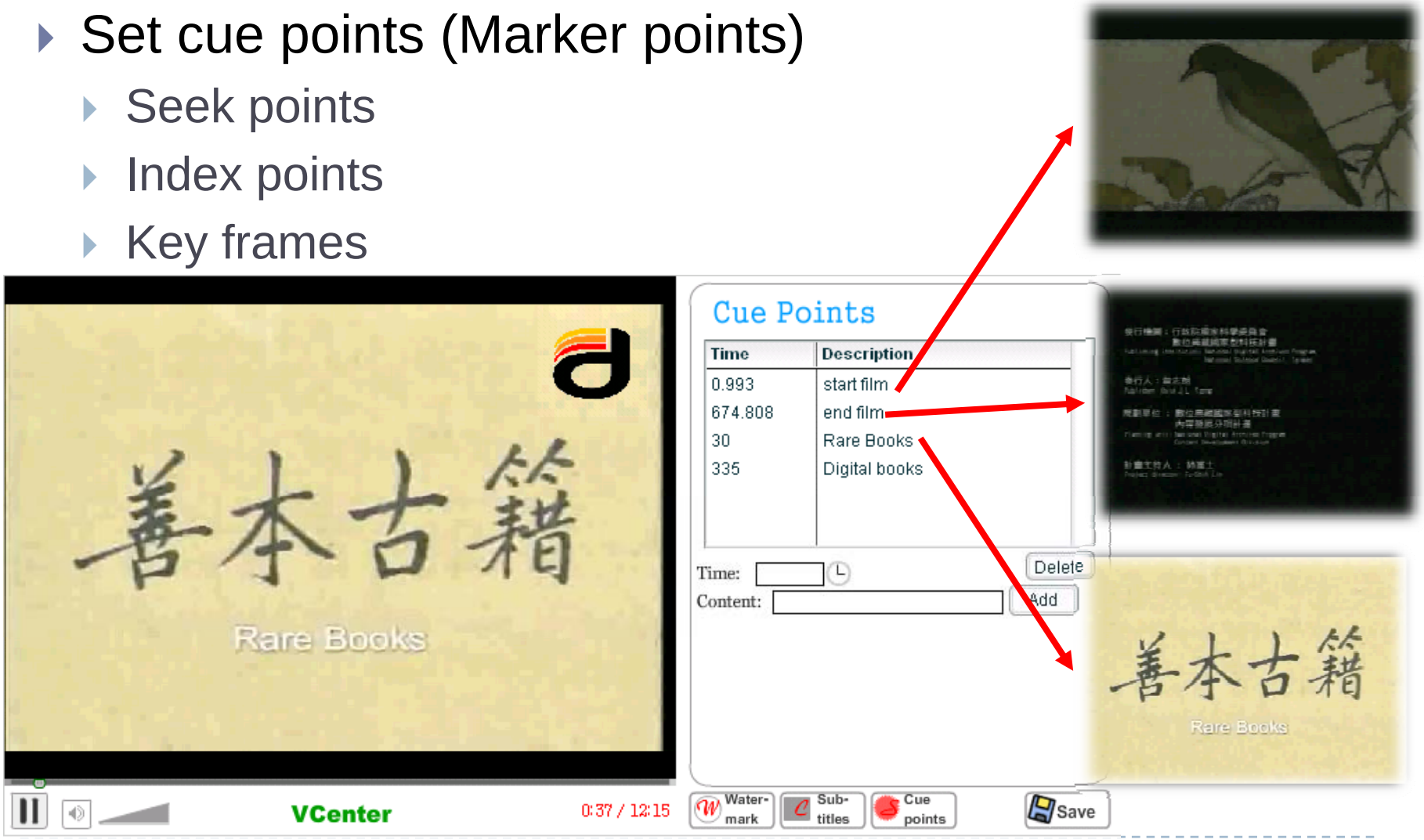
Online Editor – Subtitles Editing

- Edit subtitles



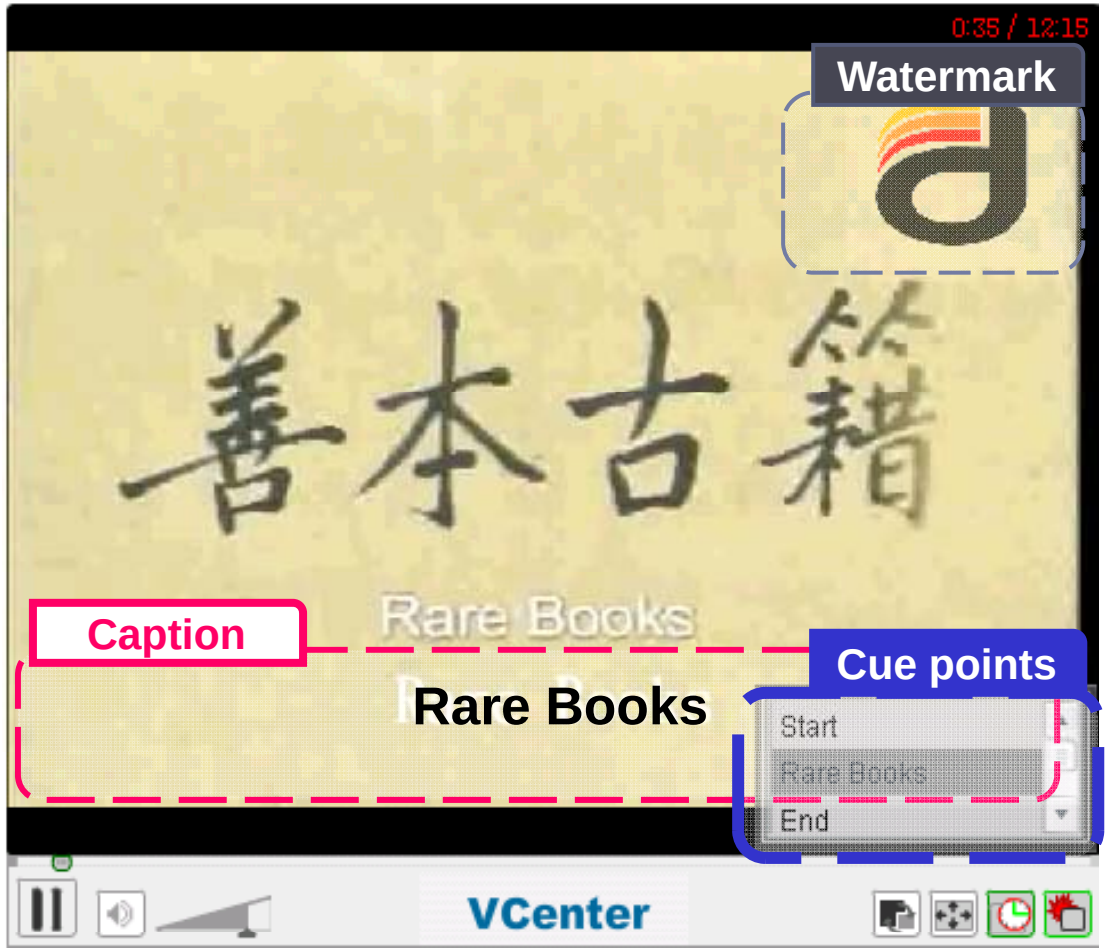
Online Editor – Cue Point Setting

- Set cue points (Marker points)
  - Seek points
  - Index points
  - Key frames



VCenter Player

- VCenter player – The setting result.



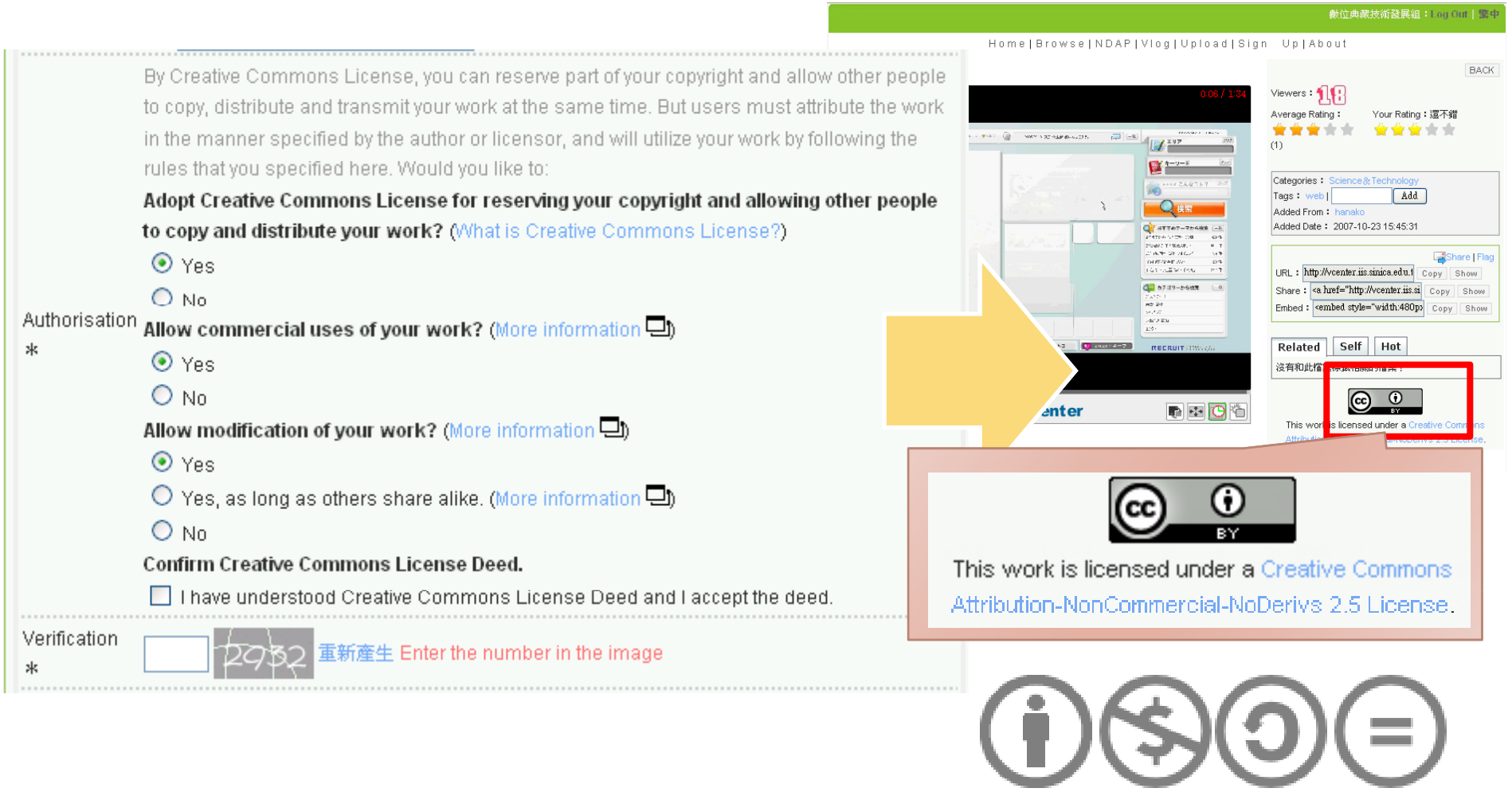
View

Video Map

- Video map
  - Combining with Google Map
- Spatial search and browse

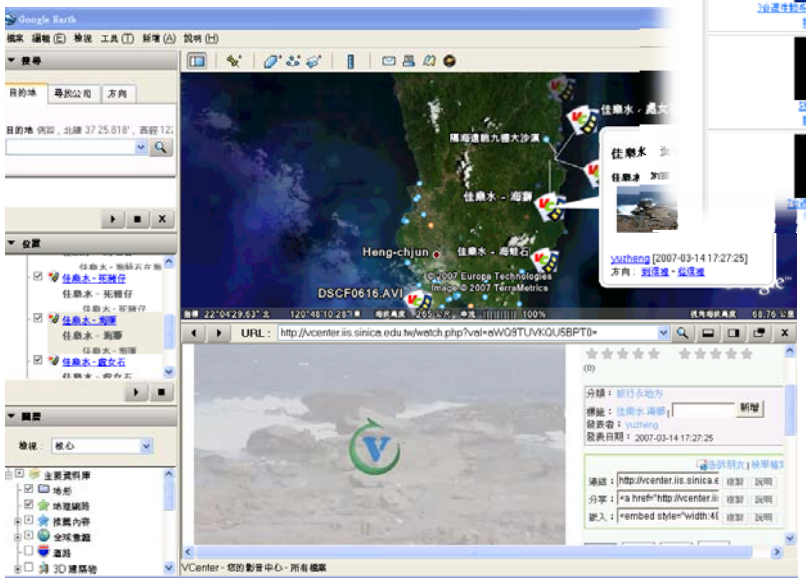
Licensing

- Creative Commons license



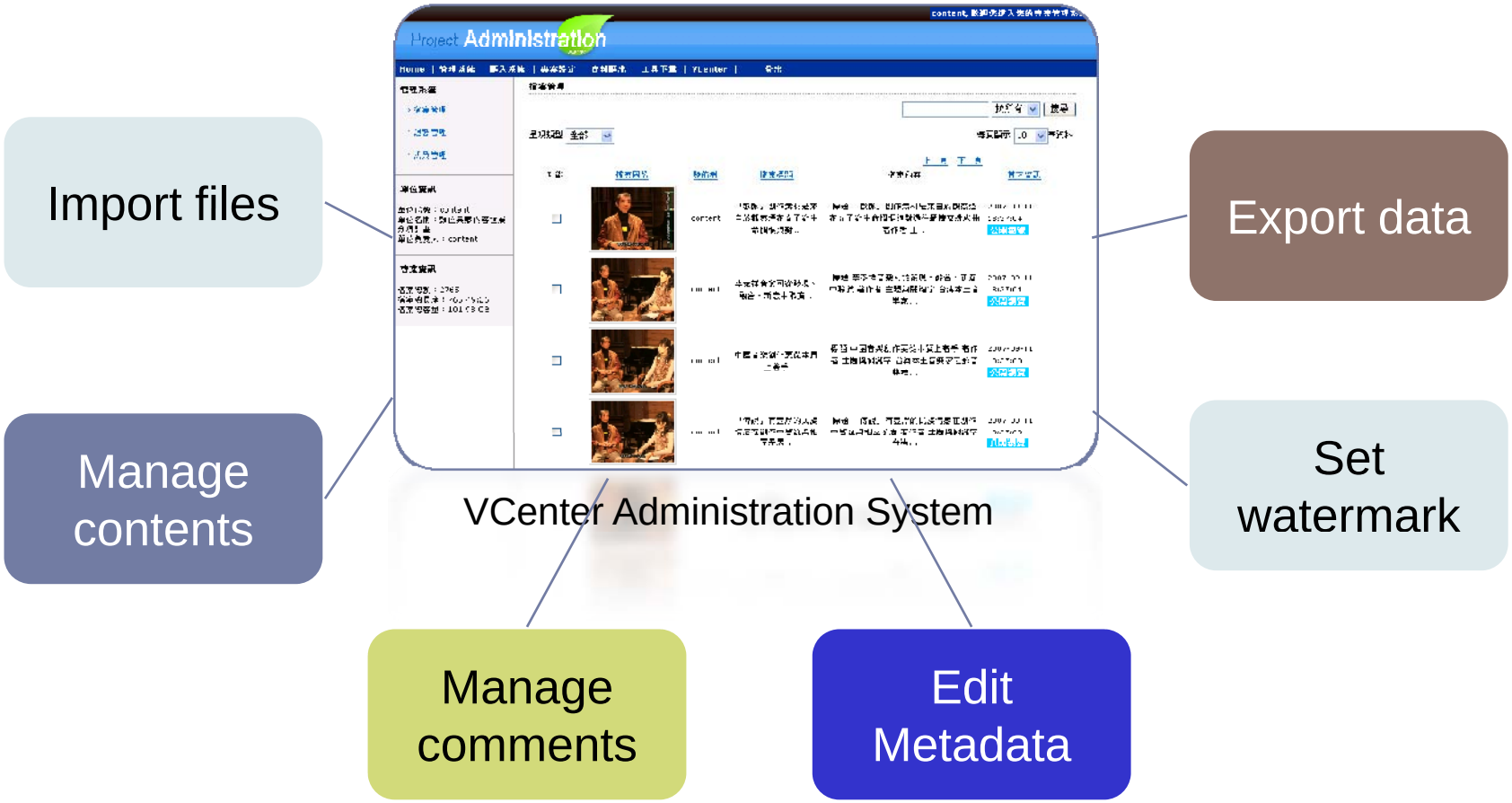
Exported Data

- XML
  - Personal website
  - Personal database
- KML
  - Google map
  - Google earth



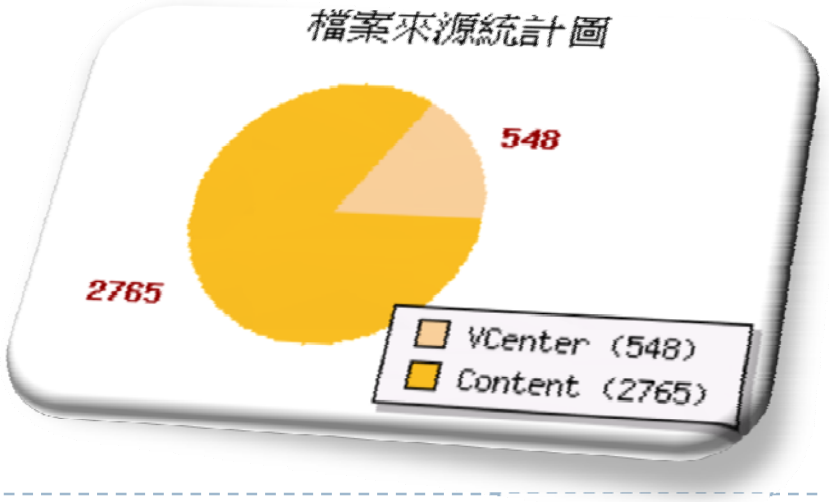
Personal homepage

VCenter Administration System



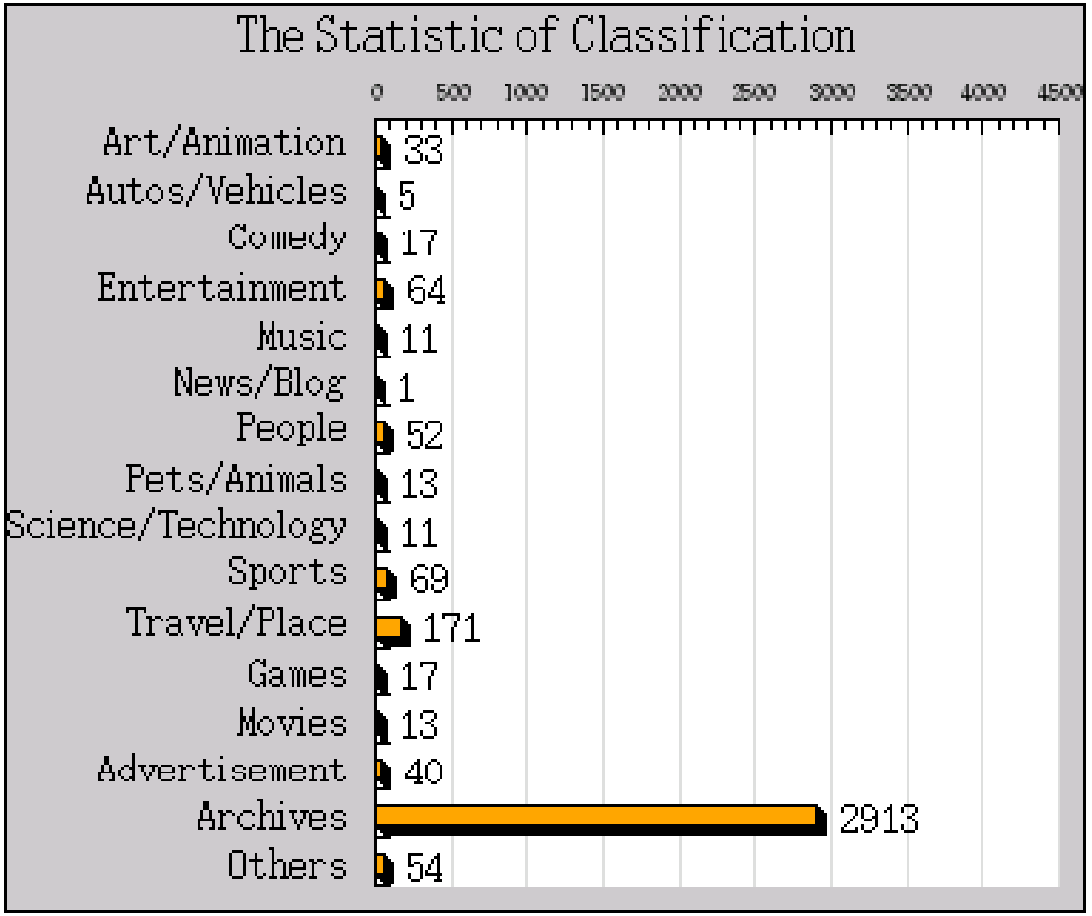
Who uses VCenter?

- VCenter Members
- National Digital Archives Program (NDAP)



Statistics

- > 3300 items
  - > 3260 videos
  - > 40 audios
  - > 800 hours
  - > 110 GB



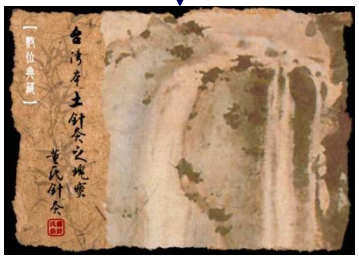
The statistic of classification

National Digital Archives Program

National Digital Archives Program (NDAP)

VCenter

Union Catalog System

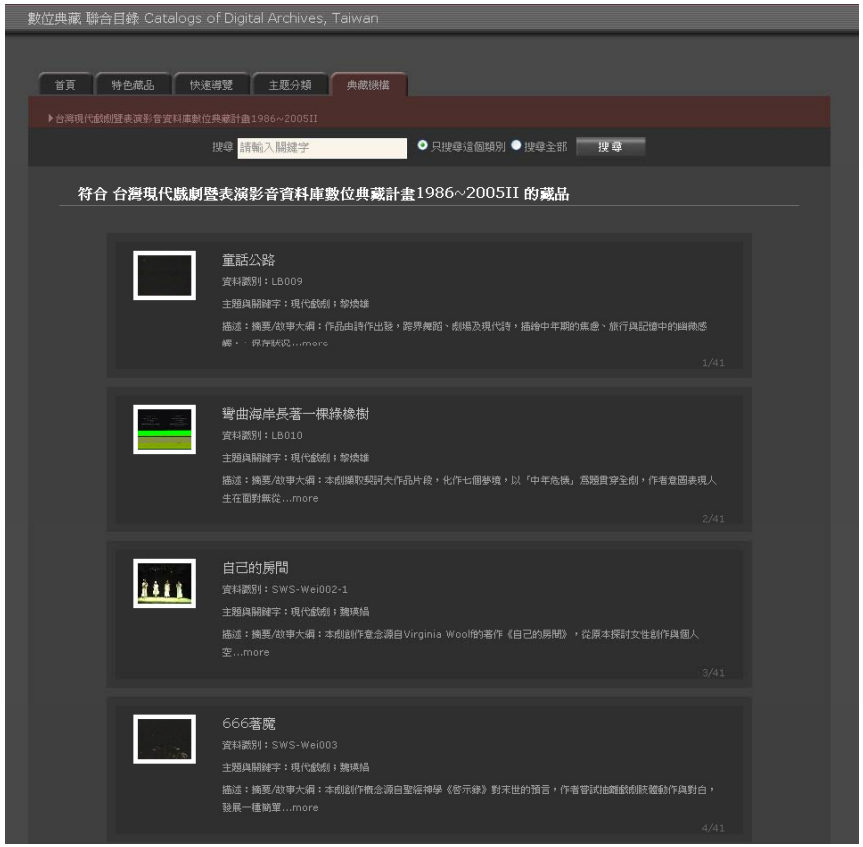


Taiwan Tung's Acupuncture Program

Native Musician of Taiwan – Tai Hsiang Li Digital Archive

Electronic Theater Intermix in Taiwan

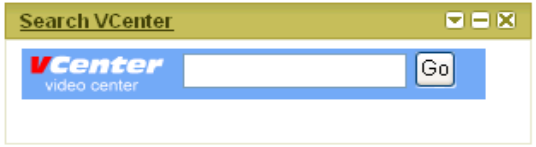
Electronic Theater Intermix in Taiwan

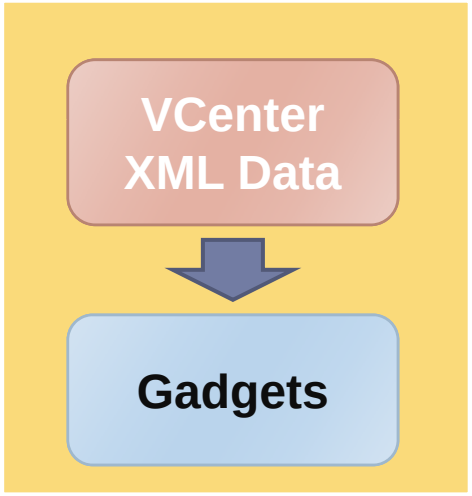


National Digital Archives Program

- More than 2700 audio and video files are published in VCenter
  - > 760 hours
  - > 100 GB

More Applications – Google Gadgets





Future

- Service
  - Community service
    - Interacting with other users
- International Cooperation
  - Archive system
  - Customized applications

Thank you for your attention

http://vcenter.iis.sinica.edu.tw/