

JOANNEUM RESEARCH

Institute of Information Systems & Information Management

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Semantic Video Annotation Tool Demonstration





Semantic Video Annotation Tool

What is it for...

- **Efficient manual annotation of video**
- **Use automatic AV content extraction results for navigation**
 - ➔ Shots, key frames, stripe images, camera motion
- **Annotate temporal structure**
 - ➔ Stories, shots, hierarchically
- **Semantic concepts annotation**
 - ➔ Who, what, where, when, why
- **Advanced video player functionality**
 - ➔ Jog, Shuttle, Single Frame Fwd/Bkwd
- **Standardised storage of annotations (MPEG-7 XML)**



Semantic Video Annotation Tool

Main Features

Video Annotation Tool - [AnnotationView]

File Edit Annotation View Windows Help

Zoom minute

View Selection: Movie

- Shot 125
 - Keyframe
- Shot 126
- Shot 127
- Shot 128
 - Keyframe
 - Keyframe
- Shot 129
- Shot 130**
 - Keyframe
- Shot 131
- Shot 132
- Shot 133
- Shot 134
 - Keyframe
- Shot 135
 - Keyframe
- Shot 136

Details Static Properties

Title: Protest against University Reform

Content:

Objects | Persons | Organizations | Events | Concepts | Semantic Times | Semantic Places

Label/Name/Title	Country
1 Rome	IT

Semantic Types

Objects | Persons | Organizations | Events | Concepts | Semantic Times | Semantic Places

Label/Name/Title
1 Reform
2 Protest
3 Demonstration

Remarks:

Begin: 00:00:00.00 Pos.: 00:08:02.19 End: 00:34:39.14

00:00:00.00 00:08:02.19 00:34:39.16

ShotNr: 130

07:36:23 07:40:12 07:45:16 07:49:06 07:53:24 07:56:08 07:59:15 08:02:07 08:05:20 08:11:00 08:15:03 08:22:06

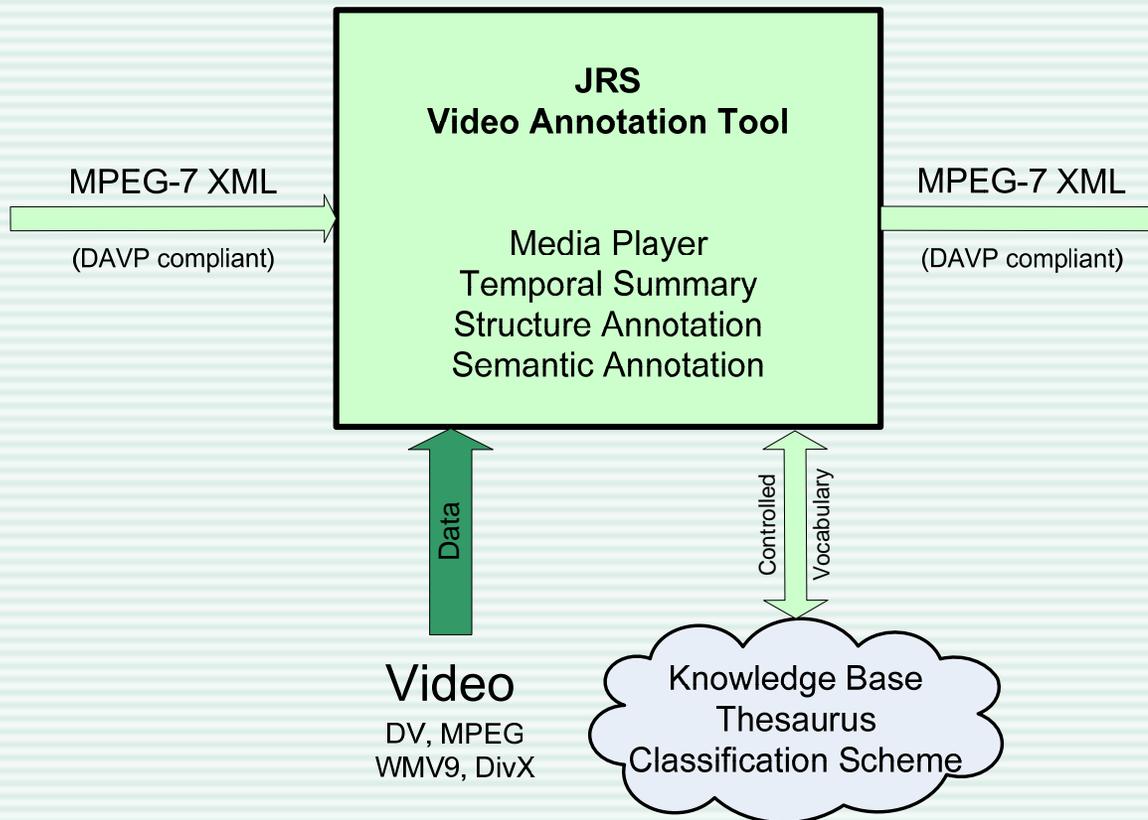
00:07:32:19 Shot Nr. 120 Shot Nr. 122 Shot Nr. 125 Shot Nr. 126 Shot Nr. 128 00:08:02:19 Shot Nr. 130 Shot Nr. 131 Shot Nr. 135 00:08:32:19

PAN R PAN R PAN LEFT PL ZOOM OUT PR PAN R PR



Semantic Video Annotation Tool

Tool Modularity



.....
a TRADITION of INNOVATION



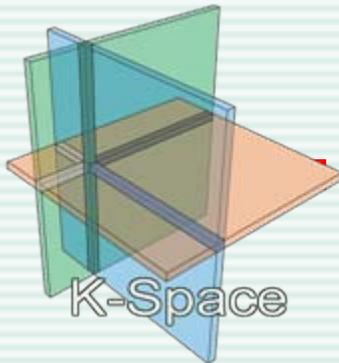
Video Annotation Tool

Supporting EC Projects



FP6 IP PrestoSpace

- ➔ Preserve the AV cultural heritage
- ➔ Digitise, Store, Annotate, Restore video/film



FP6 NoE K-Space

- ➔ Bridge the semantic gap



Video Annotation Tool

Contact

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