

Processing of Transparencies and Videos

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Processing Transparencies

- the procedure is always the same:
download PPT slides – convert to PDF – upload PDF slides
- in detail: separate overlapping contents and search for bad fonts
- time-consuming job, especially for embedded movies and animated gifs, because they need to be converted
- the good thing: it's an easy task AND there is a manual 😊



"Just so we're clear, the job comes with no benefits, no sick days and an embarrassingly low salary. Still interested?"

Where to find the Slides Processing Manual?

<http://www.jacow.org/index.php?n=Editors.ProcessingTalks>



The screenshot shows the JACoW.org website interface. The top navigation bar includes links for Home, Proceedings, for Authors, for Organizers (highlighted), for JACoW Team, Tools, About, and Contacts. A search icon is located on the right. The left sidebar contains a tree view of the website structure, with 'Processing Talks' highlighted under the 'During the Conference' section. The main content area displays the 'Guidelines for Processing Talks' page, which includes a highlighted text box stating: 'A written manual can be downloaded [here](#). [Version 3.0 from June 2012.]' Below this, there are paragraphs of text and links to related resources, such as 'How to embed movies in pdf files' and 'Transparency Processing Management'. A 'Downloads' section at the bottom of the page lists 'Split animations add-in for MS PowerPoint'.

Contents of the Manual

- the working environment in the SPMS
- the upload/download procedure
- the different ways to convert PPT files to PDF (including special Save Options for document resolution, font embedding etc)

Processing transparencies - a step-by-step guide

This manual gives a detailed description of how to process conference slides to make them ready for publishing. The main goal of processing transparencies is to convert the presented PowerPoint slides to the portable data format PDF.

It is assumed that an SPMS instance has been set up before you start processing the transparencies. All screen shots and examples in this manual are taken from previous conferences and workshops.

Slides are an additional element presented in the JACoW conference proceedings. They have been published since 2005 on the JACoW web site.

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Version 3.0, June 2012

Not part of the manual, but available as well ...

 **How to embed videos in pdf files**



JACoW.org

Home Proceedings for Authors **for Organizers** for JACoW Team Tools About Contacts

Conference Management With SPMS
Conference Organization Overview

SPMS Installation & Setup
About SPMS
Installing SPMS
Overall Database Administration
Scientific Program Administration
Registration Module Administration
Data Extracts, Reports, & Statistics

Your Conference Website
Boilerplate Text for Your Website

Setting Up for the Conference
The Proceedings Office
Oral Presentation Management
Poster Session Management

During the Conference
Proceedings Production
List PDF Only Papers
Abstract Search/Edit
Activity Log - Staff
List My Papers
My Contributions
My Profile
Processing Papers
Processing Talks
Cross-Checking Authors/Titles

Guidelines for Processing Talks

A written manual can be downloaded [here](#). [Version 3.0 from June 2012.]

The manual gives a detailed description of how to process conference slides to make them ready for publishing. The main goal of processing slides is to convert the presented PowerPoint slides to portable data format (PDF) for inclusion in proceedings.

Several talks concerning the slides processing topic have been presented on the past JACoW team meetings. Please have a look at:

[How to embed movies in pdf files](#) - slides presented on the JACoW team meeting 2012 in Valencia. The corresponding paper can be downloaded [here](#).

[Transparency Processing Management](#) - slides presented on the JACoW team meeting 2010 at Brookhaven National Laboratory.

Downloads

[Split animations add-in for MS PowerPoint](#)

Embedding videos in PDF files – general information

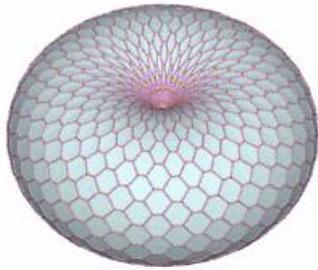
- Adobe Reader 9 and later support the following video formats:
 - ▶ **Flash[®] and MPEG-4**
- Not supported video formats like **avi** or **wmv** files need to be converted
 - ▶ **A free converter tool is HandBrake**



- HandBrake is a video transcoder, available for Mac OS, Linux and Windows
- Web page and user manual: <http://handbrake.fr/downloads.php>

Embedding animated gifs - what is an animated gif?

- An animated gif is a type of gif image that can be animated by combining several images into a single gif file



Example of an animated gif

Reference:

<http://visualizingmath.tumblr.com/post/52743559077/a-torus-consists-of-a-central-axis-with-a-vortex>

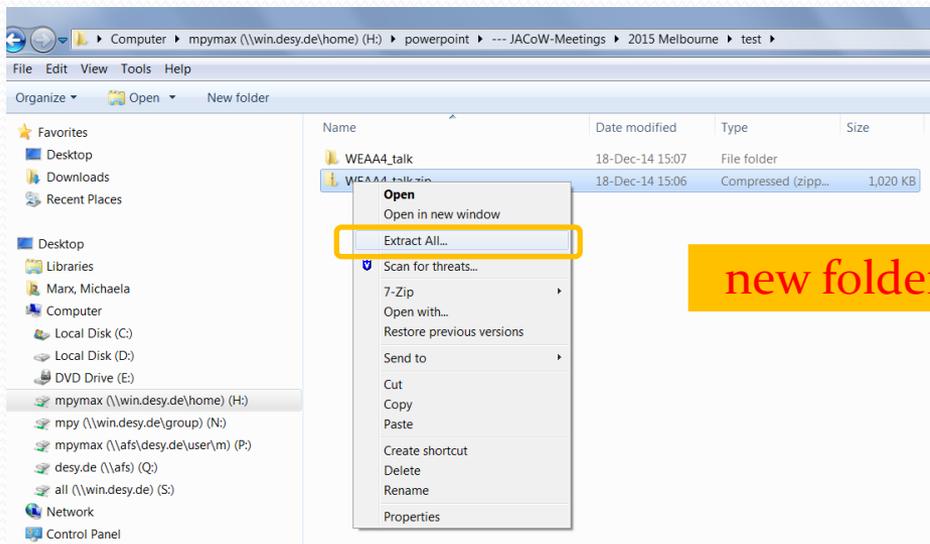
- Animated gifs must be converted twice before they can be embedded in a PDF document: from gif to AVI in a first step and in a second step from AVI to MPEG-4

- The good question is how to extract media files like videos and animated gifs from PowerPoint?



How to extract Media Files from PowerPoint Presentations

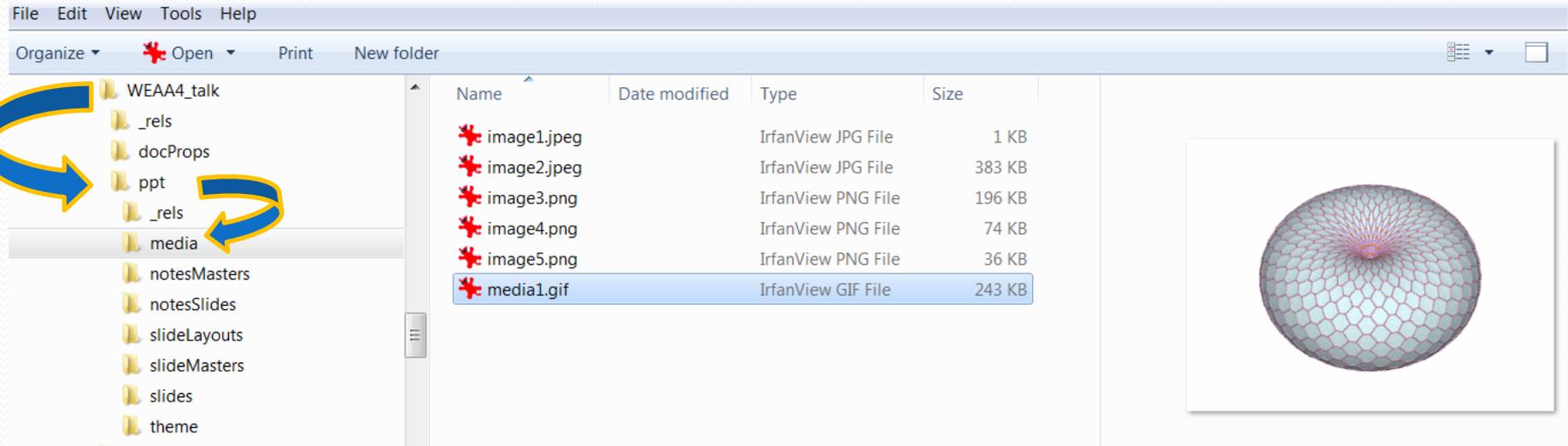
- From PowerPoint go to File and click Save As. Make sure you choose the .pptx format
- Go to the directory where you saved the presentation and rename the .pptx file to .zip
- Use an archive extractor tool, e.g. 7-zip, WinZip or (easier) just do a right-mouse-click to extract the .zip file contents



Name	Date modified	Type	Size
WEAA4_talk	18-Dec-14 15:07	File folder	
WEAA4_talk.zip	18-Dec-14 15:06	Compressed (zipp...	1,020 KB

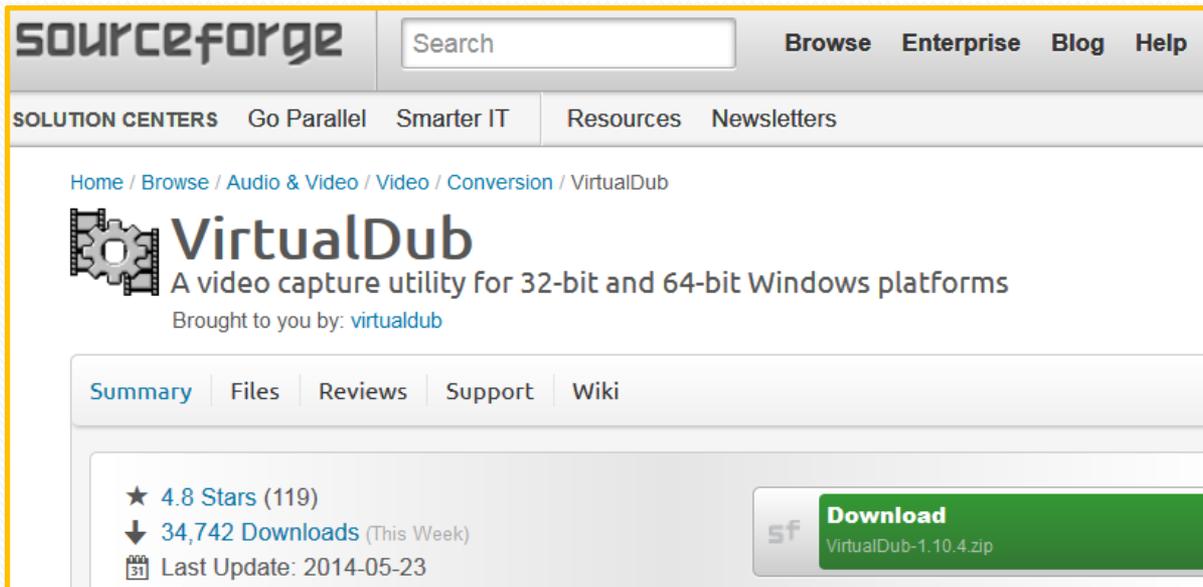
How to extract Media Files from PowerPoint Presentations

- All images, videos and animated gifs are saved in a subfolder named **media**:



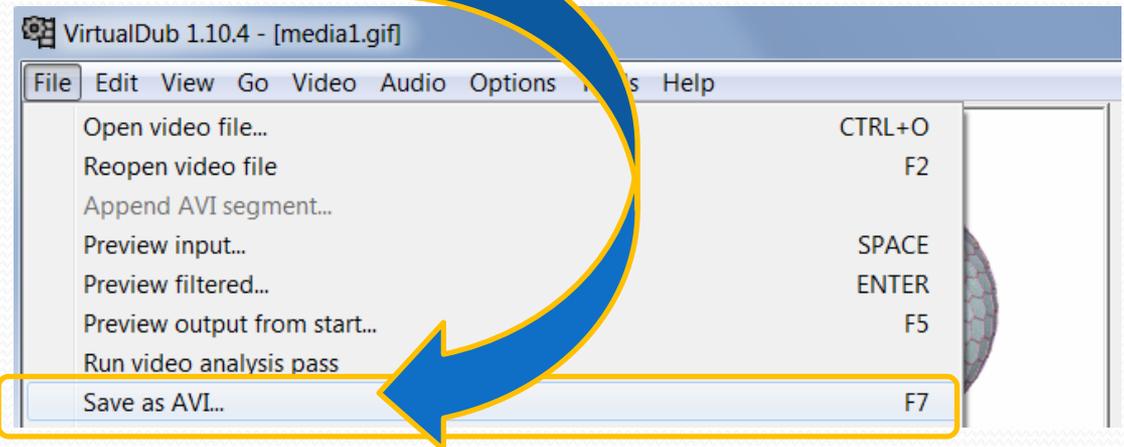
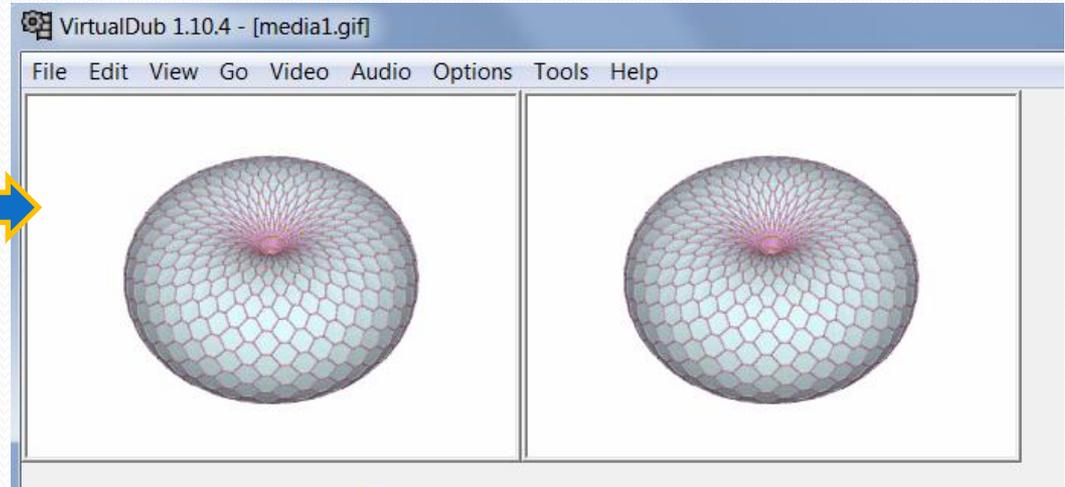
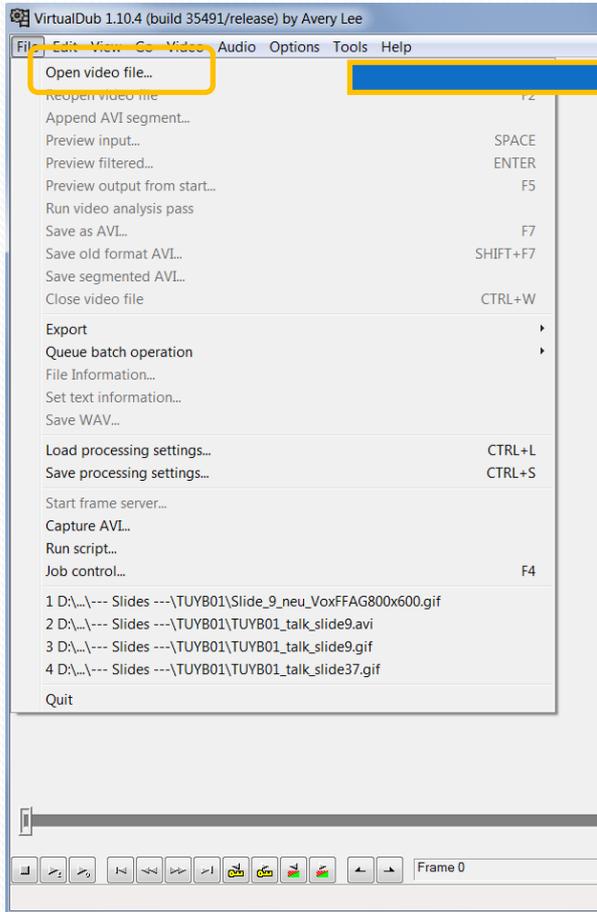
How to convert animated gifs (to MPEG-4)

- Animated gifs must be converted from gif to AVI in a first step (and in a second step from AVI to MPEG-4)
- Software tools are:
 - **Virtual Dub**, (or Media Coder X64) and finally Handbrake
- Download Virtual Dub from
<http://sourceforge.net/projects/virtualdub/>



The screenshot shows the SourceForge project page for VirtualDub. At the top, the SourceForge logo is on the left, a search bar in the center, and navigation links for 'Browse', 'Enterprise', 'Blog', and 'Help' on the right. Below this is a secondary navigation bar with 'SOLUTION CENTERS', 'Go Parallel', 'Smarter IT', 'Resources', and 'Newsletters'. The main content area features a breadcrumb trail: 'Home / Browse / Audio & Video / Video / Conversion / VirtualDub'. The project title 'VirtualDub' is prominently displayed next to a gear icon, with the subtitle 'A video capture utility for 32-bit and 64-bit Windows platforms' and 'Brought to you by: virtualdub'. A horizontal menu below the title includes 'Summary', 'Files', 'Reviews', 'Support', and 'Wiki'. At the bottom left, the project's statistics are shown: '★ 4.8 Stars (119)', '↓ 34,742 Downloads (This Week)', and '📅 Last Update: 2014-05-23'. On the bottom right, there is a green 'Download' button with the SourceForge logo and the text 'VirtualDub-1.10.4.zip'.

How to convert animated gifs with Virtual Dub

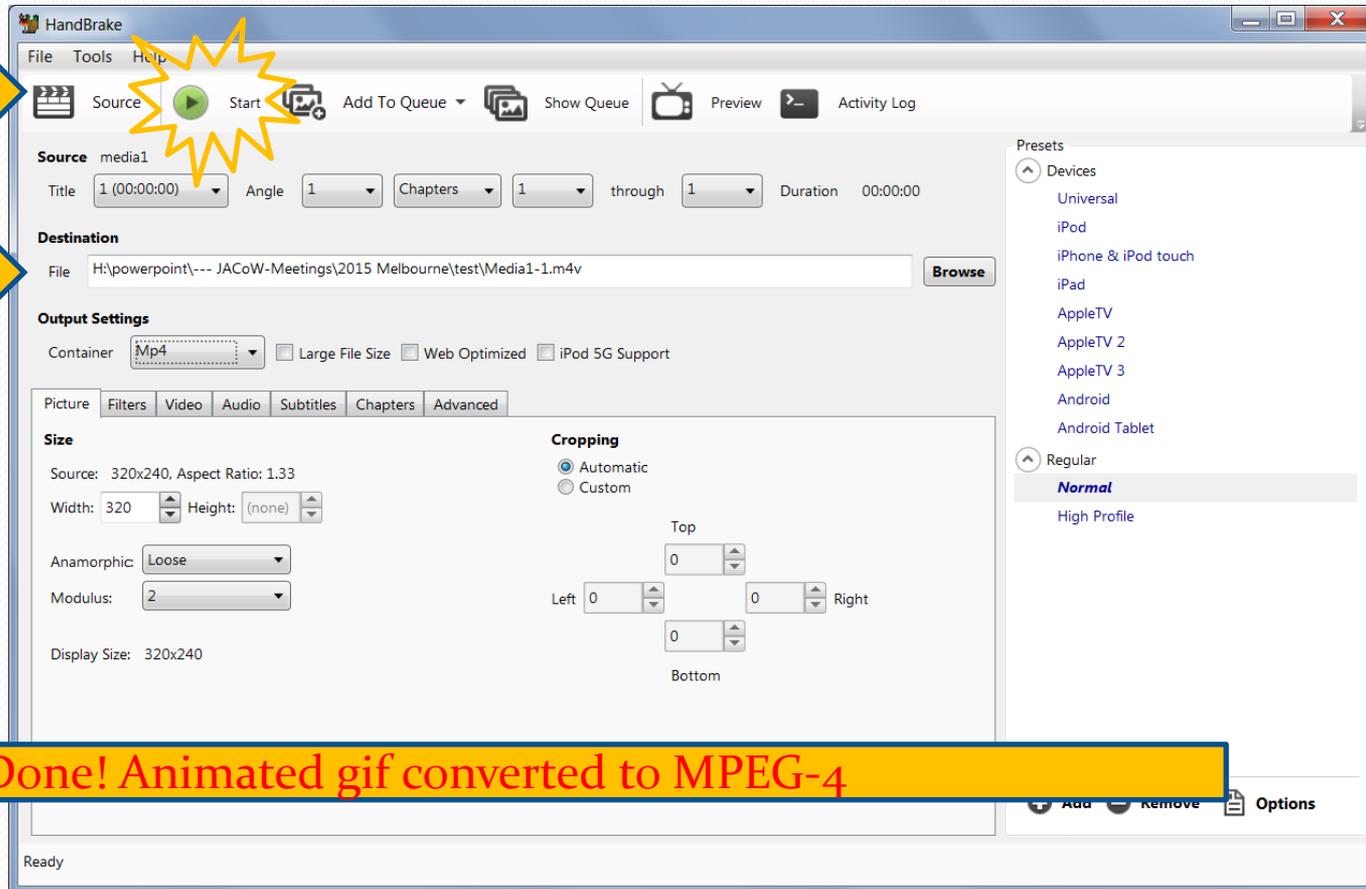


How to convert animated gifs (to MPEG-4)

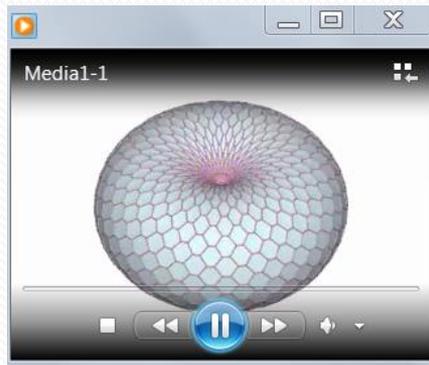
- In a second step convert the AVI file to MPEG-4 by using Handbrake

open AVI file

give destination folder

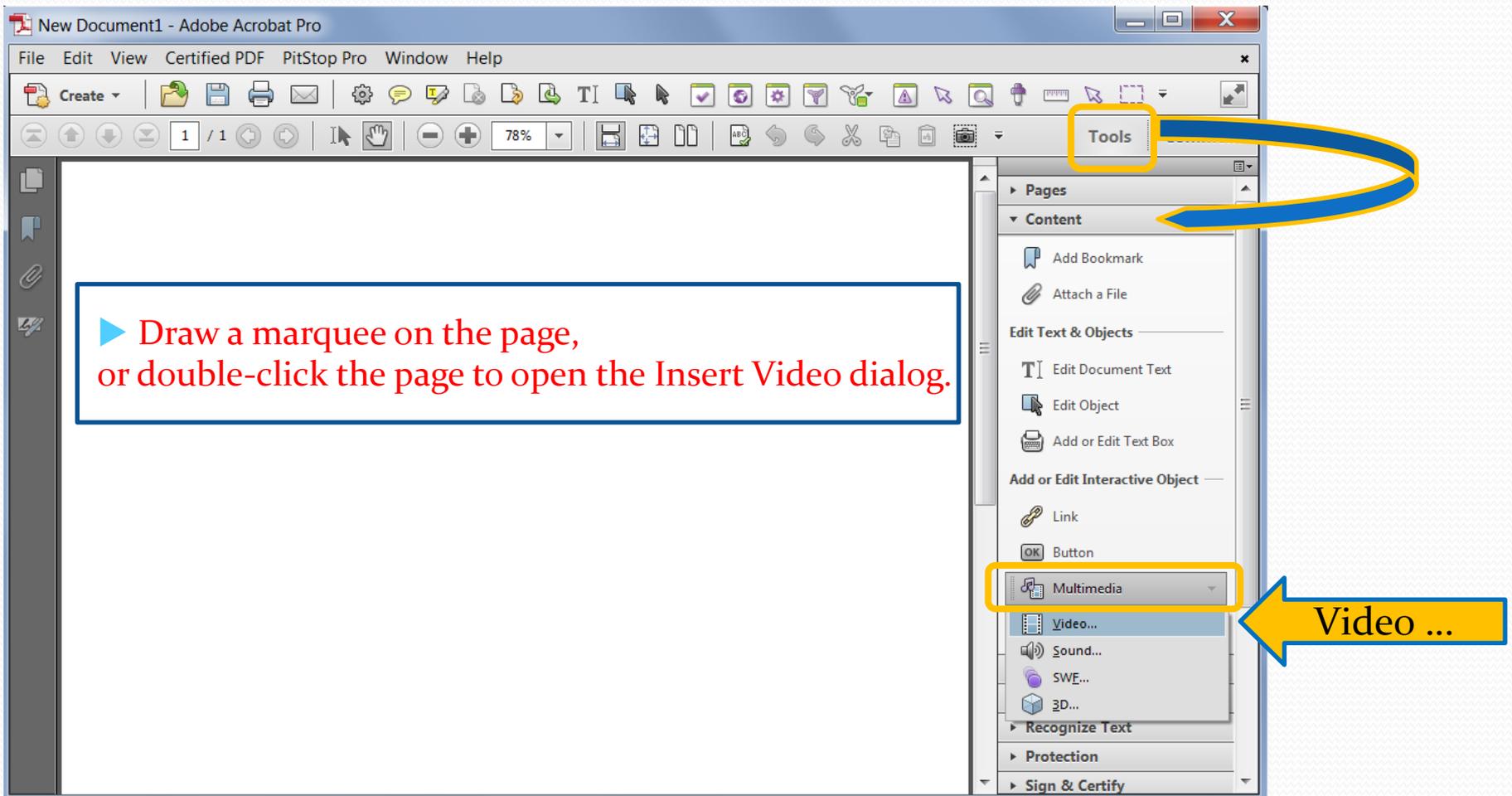


Done! Animated gif converted to MPEG-4

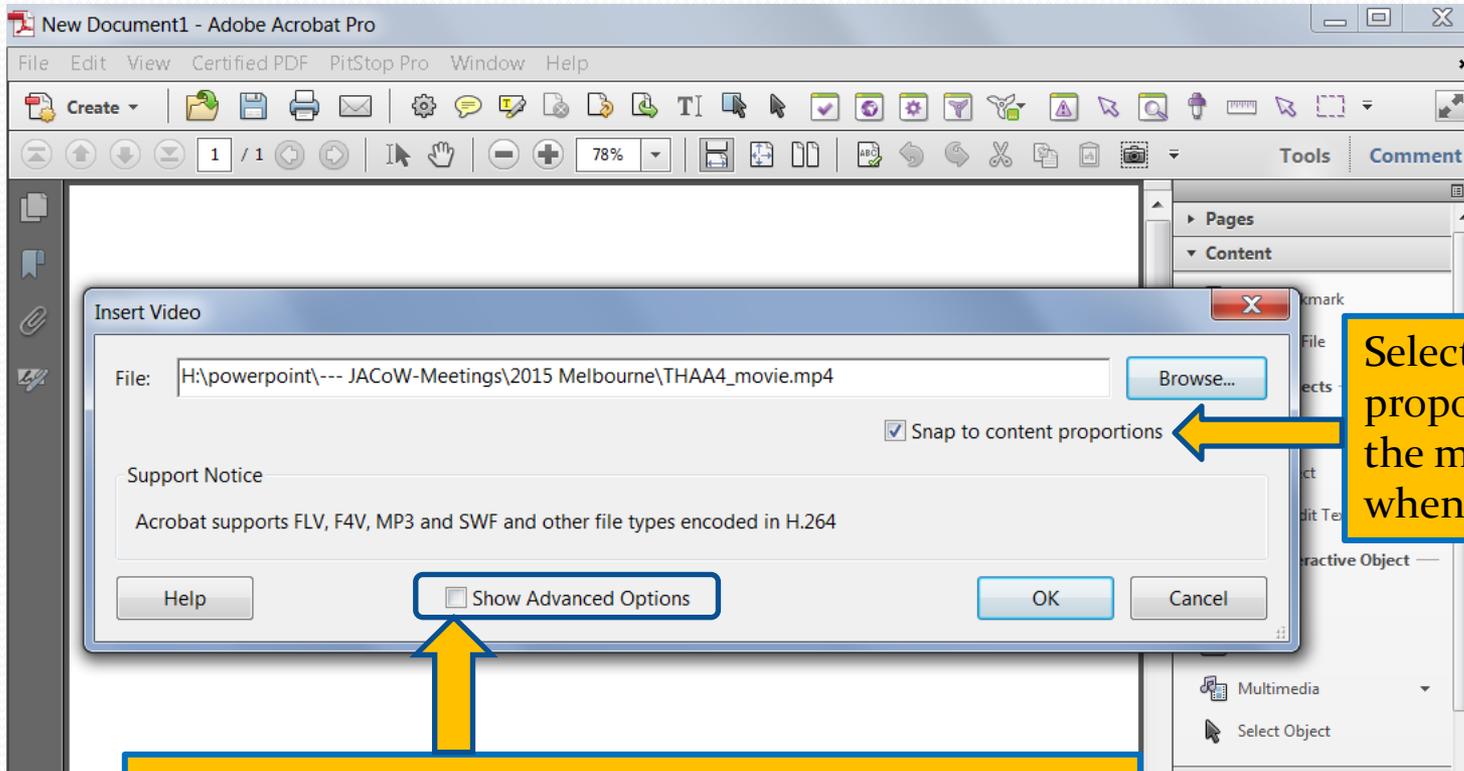


How to insert videos in PDF documents

- in Acrobat X click on Tools > Content > Multimedia > Video ...

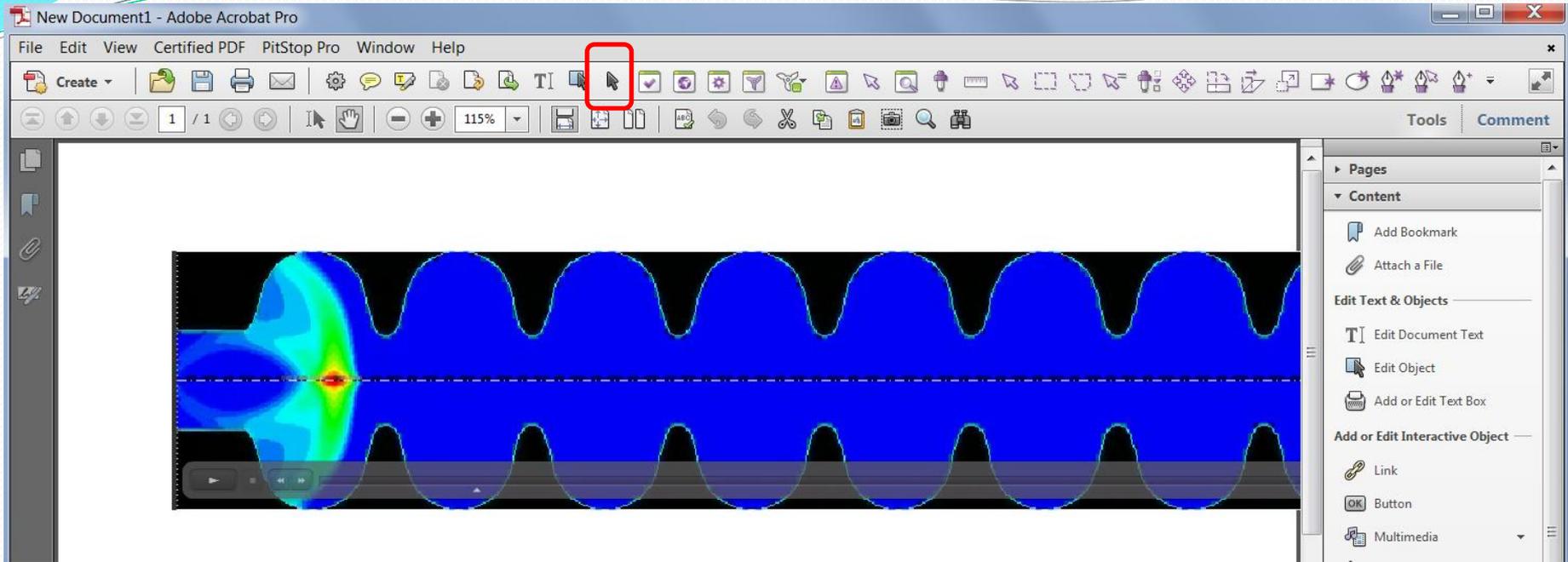


How to insert videos in PDF documents

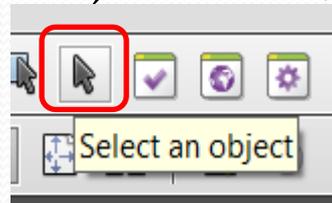


Select Snap to content proportions to maintain the movie's original size when it plays.

Select the Show Advanced Options check box to configure the appearance and behavior of the video.



- ▶ If you want to make adjustments, click the movie with the Select Object tool to activate the frame;



drag the movie to reposition it on the page, or drag a handle to resize the movie's play area.

