visEUalisation

Analysis of the Open Source Software.

Explaining the pros and cons of each one.

visEUalisation

HOW TO DEVELOP INNOVATIVE DIGITAL
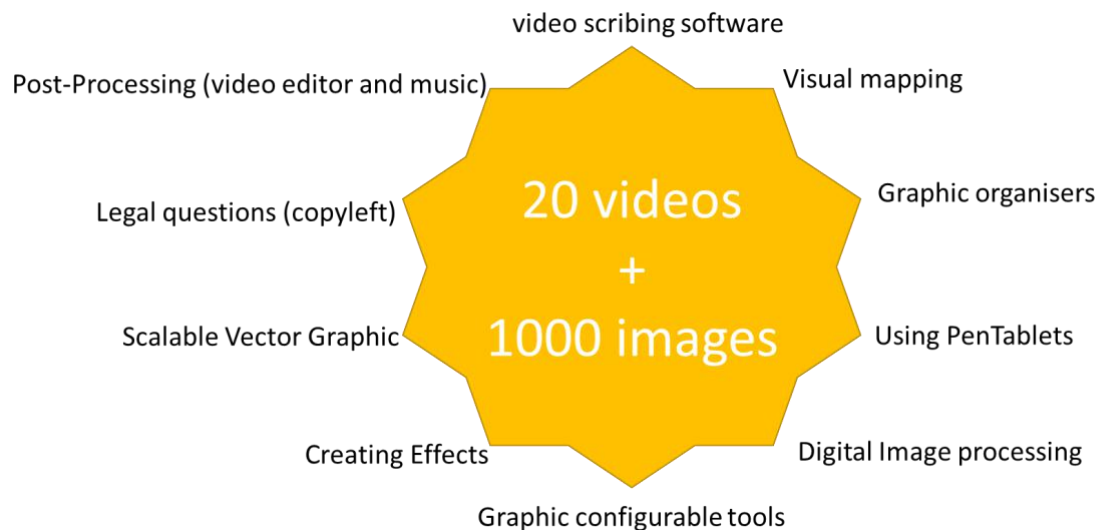EDUCATIONAL VIDEOS

2018-1-PL01-KA204-050821

Content:

O1/A2. Analysis of the Open Source Software

Introduction

To make the videos analyzed different Open Source Softaware, every note that software development principals are:

1. Video scribing software
2. Digital image processing
3. Scalable Vector

Likewise, there is an additional software that will serve to improve the videos, such as:
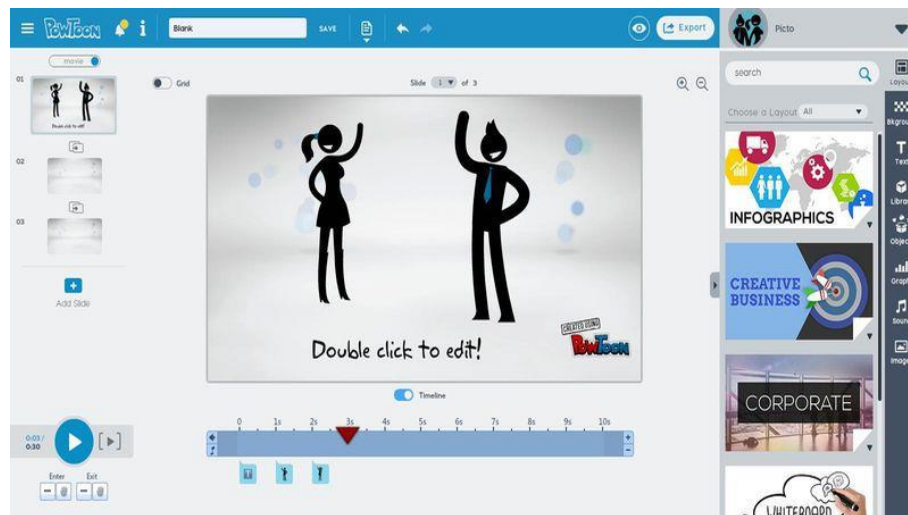
4. Visual Mapping.
5. Graphic organisers.
6. Graphic configurable tools.
7. Creating Effects.
8. Pos-Processing.

It should also work as using pen tablets and take into account legal question when using media issues.

1. Video scribing software

PowToon

WEBSITE: https://www.powtoon.com/home/?

DEFINITION:

PowToon is an online animation application that allows users to view and create animated cartoons with objects, text, image and sound predetermined or uploaded by the user.

It brings fun and dynamism to the teaching-learning process. It shows a new way of communicating ideas and knowledge. It can be exhibited in any type of medium (school, work ...). It is saved in the form of a cloud.

ADVANTAGE:

- It is a simple, complete and efficient presentation service.
- You can make your presentations totally free and without time limit.
- It provides a variety of templates, canvases, characters and themes.
- Instrucciones throughout the process.
- You can add music or voice to your presentation.
- You can share your creation through social networks.

DISADVANTAGES:

- It is a bit difficult to export.

- It is not a collaborative tool.

- There is no version to download.

**COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:**

FEATURES	Free Best for Personal Use	Starter Best for Starting Out	Pro Best for Professionals & Entrepreneurs	Pro+ Best for Small & Medium Businesses	Agency Best for Designers, Animators & Agencies
Exports	With Powtoon branding	1 premium export per month	5 premium exports per month	Unlimited premium exports	Unlimited premium exports
Max Length	Up to 3 mins (HD)	Up to 5 min (Full HD)	Up to 10 min (Full HD)	Up to 20 min (Full HD)	Up to 30 min (Full HD)
Storage	100 MB	1 GB	2 GB	10 GB	100 GB
Powtoon branding removed		✓	✓	✓	✓
Download as MP4		✓	✓	✓	✓
Privacy Control		✓	✓	✓	✓
24/7 Priority Support		✓	✓	✓	✓
Commercial Use Rights		✓	✓	✓	✓
Third-Party Resell Rights					✓
Upload Custom Fonts					✓
Advanced Animation (Coming Soon!)					✓

Vyond

WEBSITE: https://www.vyond.com/
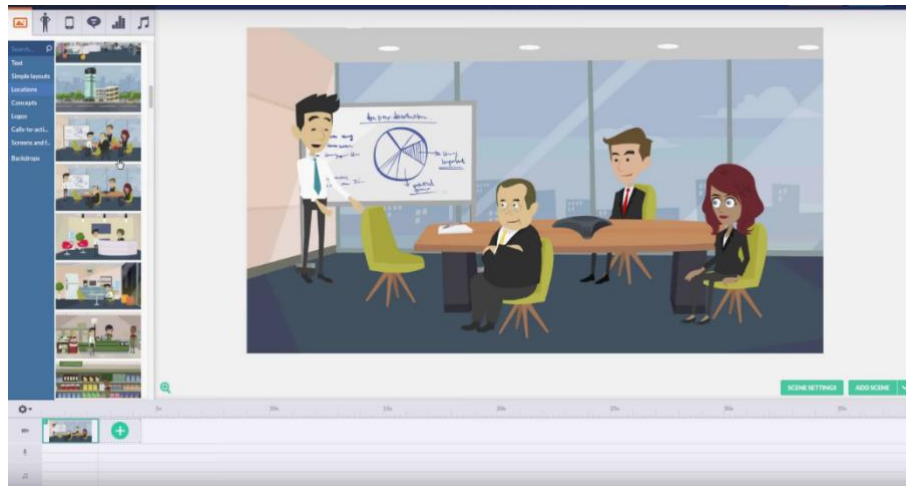
DESCRIPTION:

Vyond is a cloud-based animated video creation platform owned by GoAnimate, Inc. It is designed to allow business people without animation skills to "quickly" and "easily" create animated videos. These videos can be created in multiple styles, including 2D animation and blackboard animation.

ADVANTAGE:

- Does not require space on the device to use it
- Can be used for many cases
- The storage is in the cloud

DISADVANTAGES:

- It's pay
- You cannot download the made videos
- As soon as the trial period ends we cannot edit the video

Co-funded by the
Erasmus+ Programme
of the European Union

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

For personal use	For individual business use
US $49/month or US $299/year per seat	US $89/month or US $649/year per seat
Choose Plan	**Choose Plan**
Enjoy unlimited video production, unlimited download and export tools, and import audio or images to get your feature film up and running.	The ideal plan for individual business needs. Export animated GIFs and videos - with your own branding, live chat support, and access to the Vyond Community.
ESSENTIAL FEATURES	**PREMIUM FEATURES**
✔ 720p resolution download	✔ 1080p and 720p resolution download
✔ Vyond logo in all videos	✔ No Vyond logo on videos
✔ Character Creator (Business Friendly and Whiteboard)	✔ Export as animated GIF ⓘ
✔ 1-click MP4 creation	✔ Live chat support
	✔ Access to Vyond Community
	✔ Character Creator (Business Friendly and Whiteboard)
	✔ 1-click MP4 creation

Doodly

WEBSITE: https://www.doodly.com/
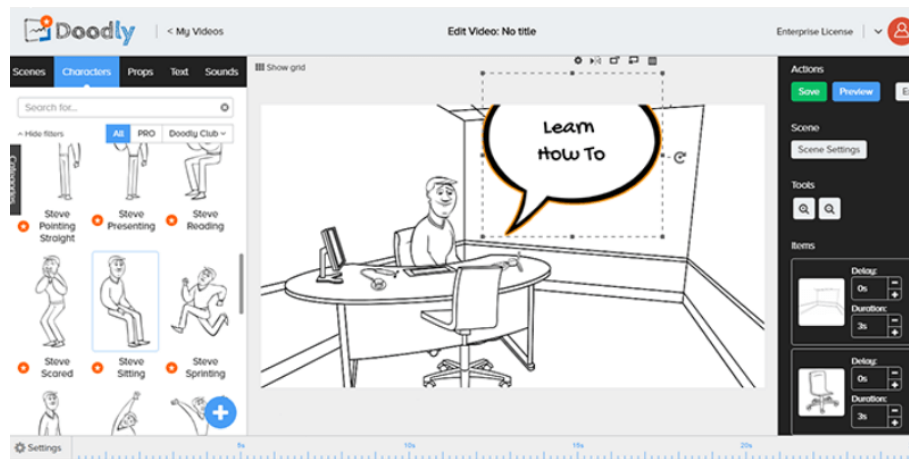
DEFINITION:

Doodly is another platform for video production, which has the peculiarity that its "style" is based on blackboards, which can include animations and vignettes with audio.

ADVANTAGE:

It is very intuitive to use and allows you to download high definition files to be shared in the different platforms available (Youtube, Vimeo, etc).

DISADVANTAGES:

The problem is that doodly does not have a free version.

Co-funded by the
Erasmus+ Programme
of the European Union

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS.

	★ MOST POPULAR	
Standard	**Platinum**	**Enterprise**
$39 PER MONTH	**$59** PER MONTH	**$69** PER MONTH
✔ Create Unlimited Videos	✔ Create Unlimited Videos	✔ Create Unlimited Videos
✔ Use On Multiple Computers	✔ Use On Multiple Computers	✔ Use On Multiple Computers
✔ Premium Support	✔ Premium Support	✔ Premium Support
✔ 200 Characters 10 Characters with 20 Unique Poses	✔ 750 Characters 30 Characters with 25 Unique Poses	✔ 750 Characters 30 Characters with 25 Unique Poses
✔ 200 Props & Images	✔ 1,100+ Props & Images	✔ 1,100+ Props & Images
✔ 20 Tracks Royalty Free Music	✔ 50 Tracks Royalty Free Music	✔ 100 Tracks Royalty Free Music
✔ Invitation to Doodly Design Facebook Group	✔ Invitation to Doodly Design Facebook Group	✔ Invitation to Doodly Design Facebook Group
✖ Access to doodly Club – Monthly Membership (Get New Characters & Images Monthly)	✔ Access to doodly Club – Monthly Membership (Get New Characters & Images Monthly)	✔ Access to doodly Club – Monthly Membership (Get New Characters & Images Monthly)
✖ Commercial Rights	✖ Commercial Rights	✔ Commercial Rights

Animatron

WEBSITE: https://www.animatron.com/studio

DEFINITION:

Animatron is a simple and powerful online tool that allows you to create stunning HTML5 animations and interactive content.

This editor allows you to design and publish movies, banners, and infographics that work everywhere, from desktop browsers to mobile devices and without the need to program.

Additionally, you can invite other people to collaborate on a project, by sending a link to it.

It also has functions to share your work: through a link or pasting the insertion code in a website.

ADVANTAGE:

- Ability to create private projects.
- Give the option to import vector images.
- It allows to import image and audio to the animation.
- It offers the ability to export the project to HTML5.
- Give the option to export the project to SD video and HD video.
- -Bill the option to import 30 seconds of the projects to an animated GIF.

DISADVANTAGES:

- A little complicated to understand the operation.
- The paid version is required to save the projects in private.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

FEATURES	Business $30/mo billed annually	Pro $15/mo billed annually	Free $0/mo
Public projects	Unlimited	Unlimited	5
Private/Unlisted projects	Unlimited	Unlimited	—
Remove watermark	✔	✔	—

TTS Sketch Maker

WEBSITE: http://ttssketchmaker.com/
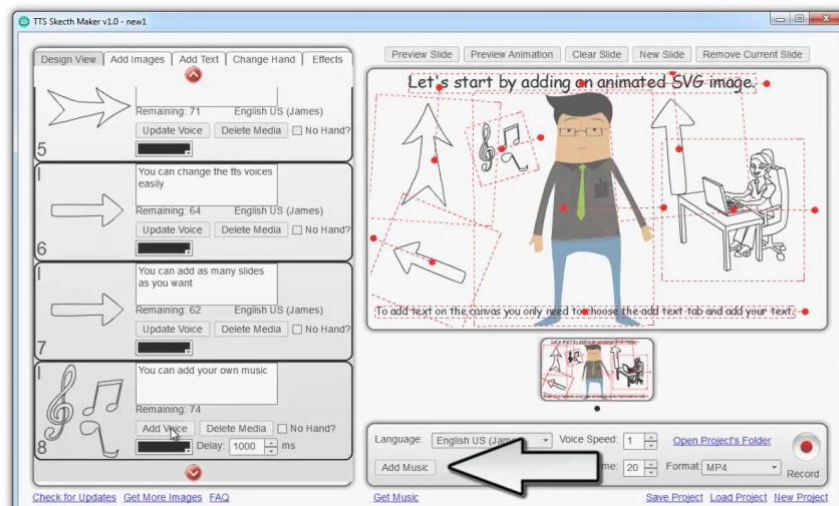
DEFINITION:

TTS Sketch Maker is a whiteboard animation software for creating videos. It allows to generate videos and include voices easily.

ADVANTAGE:

- It has a quality text to speech function.
- It allows adding voice to animations with ease.
- It is quite flexible and comes with several voices.

DISADVANTAGES:

The problem is that TTS Sketch Marker does not have a free version.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

★
TTS SKETCH MAKER (FULL)

Regular Price US$97.00

One-Off Payment

37$

1 Software License

1 Walkthrough Video

4 Video Formats(Export)

5 Backgrounds

6 Training Videos

12 Fonts

25 TTS Voices

150 SVG Path Animated Images

Add your own Images

Add your own Backgrounds

Add your own MP3 Music

100% All Video Rights

30 Days Money Back Guarantee

365 Days Support/Updates

Moovly

WEBSITE: https://www.moovly.com/
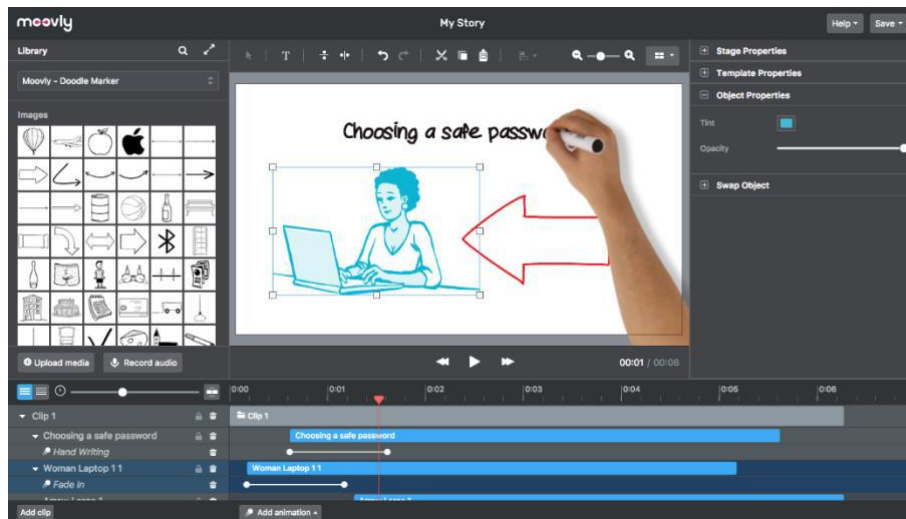
DEFINITION:

Moovly is a multimedia platform that allows people to create attractive multimedia content, making it affordable, intuitive and simple. It is a tool to create animations and videos. The animations created with Moovly are shared on the network in video format, exporting them to YouTube and Facebook.

ADVANTAGE:

The simplicity of its use, the wide gallery of elements to incorporate our creations and the possibility of using our own audio and image files.

It allows to have a personal library to which you can add graphics, photographs, sounds, music and personal videos. as well as being able to record our voice directly to the project.

It has a free version.

DISADVANTAGES:

It works only with an Internet connection.

It has some restriction of stage control and camera movements.

The animations that can be obtained from the program are more informative-explanatory and not animated.
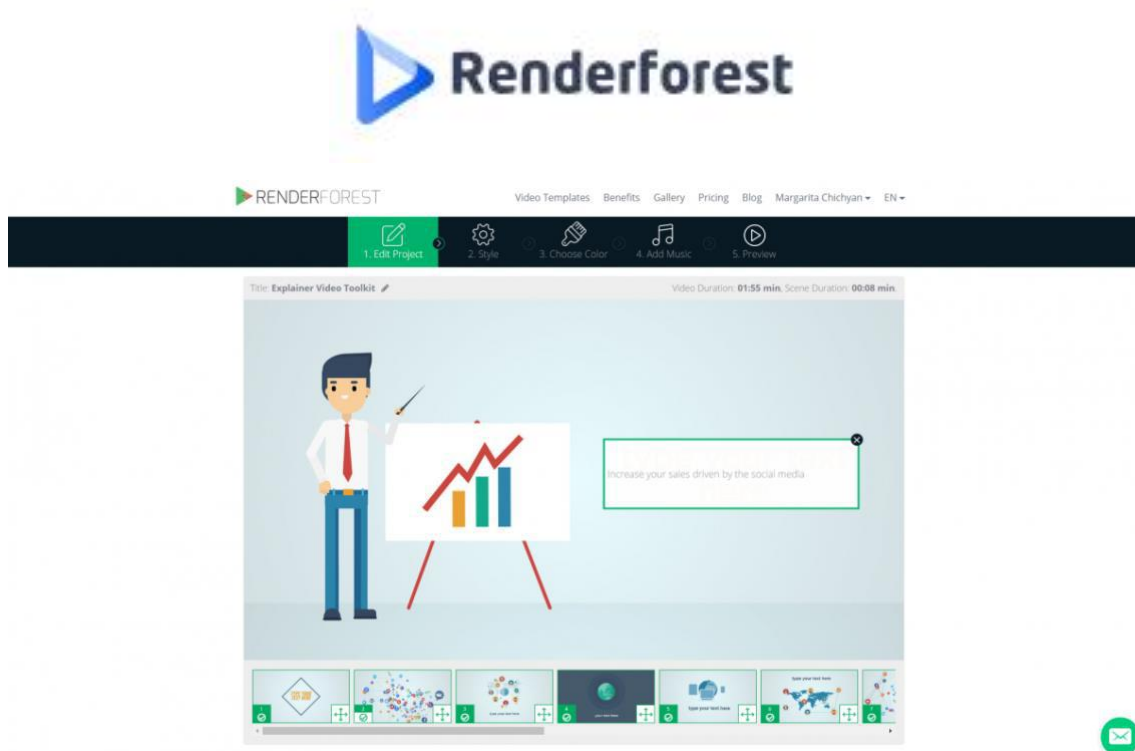
Its interface is quite complex.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

Renderforest

WEBSITE:

https://www.renderforest.com/es/video-animation

DEFINITION:

Program with a pleasant aesthetic and easy to use, since the user selects a template and personalizes it with its own texts, images or audios.

It has several purchase options for the full version, very cheap and adaptable.

ADVANTAGE:

Practical and easy to use.

It allows work and storage on the web.

DISADVANTAGES:

In the free version the watermark is very noticeable and the download quality of the video is very low.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

Free	Amateur	Pro	Popular	Agency
	$14 per month	$29 per month	$39 per month	$49 per month
	billed annually	billed annually	billed annually	billed annually
BROWSE VIDEOS	SUBSCRIBE	SUBSCRIBE	SUBSCRIBE	SUBSCRIBE
Good for everyone who wants to start creating videos online	Good for individuals who need just a few videos from time to time	Good for YouTubers and businesses who create videos constantly	Good for resellers, businesses who do create lots of videos	Good for companies who are in need of large amount of videos per month
Unlimited 360p videos	5 HD720 Videos per month	20 HD720 Videos per month	40 HD720 or 20 HD1080 Videos per month	100 HD720 or 50 HD1080 Videos per month
Up to 3 minute videos	Up to 5 minute videos	Up to 15 minute videos	Up to 30 minute videos	Up to 60 minute videos
500 MB storage	Up to 10 GB storage	Up to 20 GB storage	Up to 40 GB storage	Up to 80 GB storage
Limited number of music tracks	30+ commercial music tracks	50+ commercial music tracks	80+ commercial music tracks	120+ commercial music tracks
Watermarks on everything	No watermarks on HD videos	No watermarks on HD videos	No watermarks on HD videos	No watermarks everywhere
Free logos in PNG	No Vector Logos	1 high quality vector logo per month	Create unlimited logos	Create unlimited logos

Explee

WEBSITE:

https://explee.com/

DESCRIPTION:

It is a web-based digital creation application that allows users to create dynamic presentations and animations. It has three main areas: editing the scene, a content library and a timeline to handle the creation of the product.

ADVANTAGE:

- It allows you to upload content, your own images or use the ones offered by your extensive library.
- In terms of audio options, users can upload their own music and generate audio through voice over.
- To use any content, just drag and drop in the scene.
- The timeline is very simple to use and has a preview button, so that creators can see what the final product will be like.
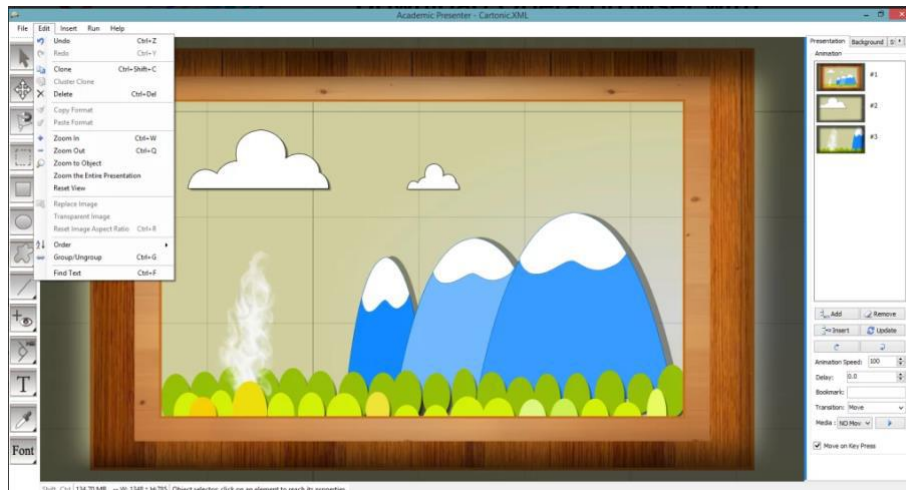
DISADVANTAGES:

- Most of the images that we can use from your library follow the same design pattern: appearance of monochromatic or too simplistic drawings.
- The free version publicly stores the content that is created in Explee without the possibility of applying any privacy control.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

Basic	Professional	Creative	Team
Get a taste of animated video	Be successful with animated presentations	High quality videos for your clients	Work faster with the power of collaboration
7 € / month	25 € / month	99 € / month	• Multi-licences • Volume-based pricing
Yearly Subscription or 9€ monthly	Yearly Subscription or 49€ monthly	Yearly Subscription or 149€ monthly	Yearly Subscription
Web quality 480p	HD 720p	Full HD 1080p	Up to 20 users
Cloud storage 500MB	Cloud storage 2GB	Cloud storage 10GB	Collaborative space
Web player only	Download your videos	Download your videos	Work together on a video
Explee's logo	Add your logo	Add your logo	Use your visual identity
Voice and music 1 only	Voice and music Unlimited	Voice and music Unlimited	Premium support
Resell not allowed	Resell not allowed	Resell allowed	Depends on plan
Privacy controls	Privacy controls	Privacy controls	Privacy controls

Academic Presenter

WEBSITE:

https://www.academicpresenter.com/

DEFINITION:

Academic Presenter is a software which enables users to prepare a special type of vector-based presentations.

ADVANTAGE:

- Downloadable and free version.
- Build graphs and frames.
- Animation which transitions in camera and elements

DISADVANTAGE:

- The software only support one screen.

VideoScribe

WEBSITE:

https://www.sparkol.com/en/

DEFINITION:

VideoScribe is a tool that allows exportable presentations in video format and with pleasant visual effects, the most outstanding of which is that the text is written by a hand and the images drawn in the same way, creating the sensation of being in front of a blackboard or notebook.

ADVANTAGE:

- Trial versions.
- Interesting to start.
- They are quite similar software: There are no appreciable differences. Known one, you can work with everyone.

DISADVANTAGE:

- Freemium versions: pay for more
- Watermark / logos in free trial versions
- Limits: resolution, video time, libraries, music, etc.

COMPARISON OF POSSIBILITIES OF DIFFERENT PLANS:

Single Users   Team Licenses

| ★ ★ ★   Best value   ★ ★ ★ |

Monthly Plan
Per Single User

€25 / mo

Recurring payment

Yearly Plan
Per Single User

€13 / mo

€156 paid yearly

Recurring payment

One Off
Per Single User

€550

One-off payment

BUY MONTHLY PLAN   BUY YEARLY PLAN   BUY ONE OFF

2. Digital image processing

GIMP

Website: https://www.gimp.org/
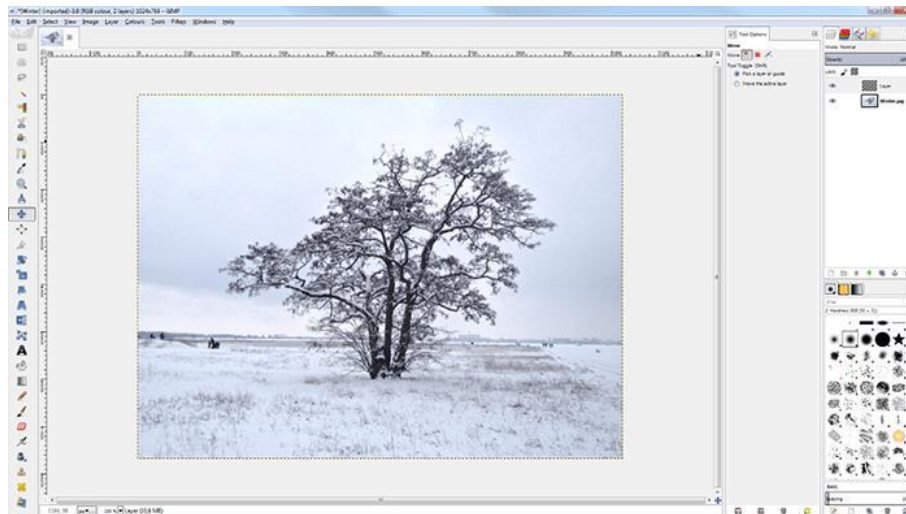
Definition:

GIMP is a program for editing digital images in the form of a bitmap, both drawings and photographs. It is a free program.

A great free 2D image editor, it offers multitude tools, filters and advanced image control panels.

ADVANTAGE:

- Free.
- Easy to use.
- Great 2D editing possibilities.
- It has a large number of extensions
- Great support community
- Allows work with layers
- You can create PDF
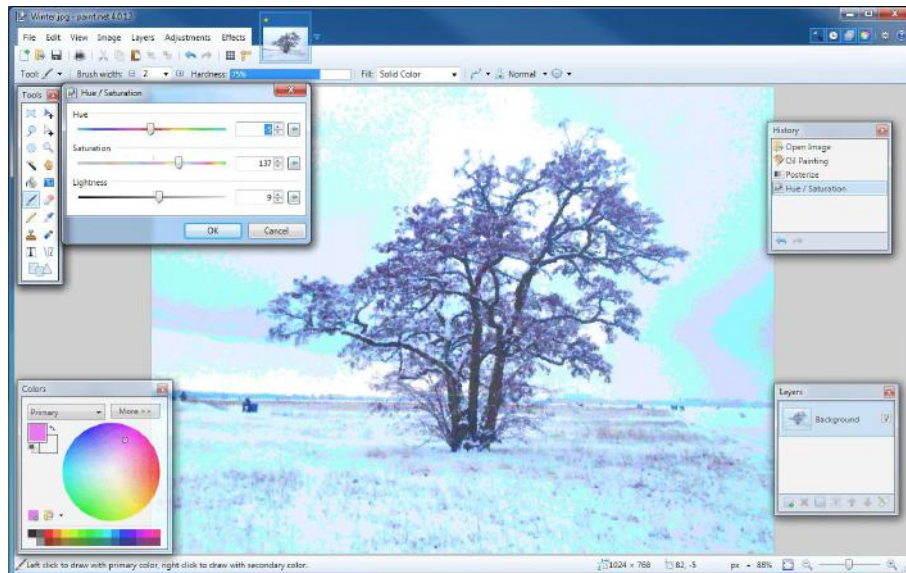- A plugin is available to export to CMYK

DISADVANTAGES:

- Something difficult to use
- Poorer text editing.
- Requires practice

Paint.NET

Website: https://www.getpaint.net/index.html

Definition:

Paint.NET is an image and photo editing software for PC running Windows. It has an intuitive and innovative user interface with support for layers, unlimited undo, special effects and a wide variety of useful tools. It has an online community and tutorials.

ADVANTAGES:

- Very active community and many extensions available
- You can work with layers
- Allows manual resolution definition
- Supports 8 different file formats

DISADVANTAGES:

- Only for Windows
- Reduced palette of functions in the basic installation
- You cannot save PDF

Pixlr Editor & Express

WEBSITE: https://pixlr.com/

DEFINITION: On the Pixlr website, the user can access two tools with which to carry out different tasks, Pixlr Editor, on the one hand, and Pixlr Express, on the other, both available both as a web application and as a desktop version (Windows and macOS), as well as for iOS or Android mobile devices. Pixlr Express is an agile and versatile digital image editor, very easy to use and clean and clear, despite the abundance of effects to apply overlays and frames, among many other options. The tool supports the formats JPEG, PNG, TIFF, BMP and the own PXD format, although it only allows saving in JPEG. Pixlr Editor has advanced options and offers to retouch images, work in layers, use curves, crop, correct color, etc., until composing a total of more than 25 professional editing functions.

ADVANTAGES:

- Web app, mobile application and desktop installation

- Quick and easy editing with Pixlr Express

- Large palette of Pixlr Editor functions

- Allows work with layers and gradation curves

- Full screen mode

DISADVANTAGES:

- Only save image formats

- Lacks CMYK mode

- 96dpi automatic resolution

3. Scalable Vector Graphics Editor

Techniques to design for painting in the way we need for using in video scribing.

Inkscape

WEBSITE: https://inkscape.org/

DEFINITION:

Inkscape is professional graphics vector software for Windows, Mac OS X and GNU / Linux. It is used by professional designers and amateurs from around the world to create a variety of graphics such as illustrations, icons, logos, diagrams, maps and web designs. Inkscape is a free and open source software that uses SVG (Scalable Vector Graphic)

ADVANTAGE:

- You can import different types of formats and export many vector-based formats.
- The main objective of Inkscape is to create a powerful and comfortable drawing tool, compatible with XML, SVG and CSS standards.
- Community of users and developers using an open development system that is easy to learn, use and improve.

DISADVANTAGE:

The CMKY color model is the standard in graphic printing and widely used in the industry, and InkScape is not able to export the work in this model natively and although there are ways to achieve it, perfect results are not guaranteed.

SVG-Edit

WEBSITE: https://svg-edit.github.io/svgedit/releases/latest/editor/svg-editor.html
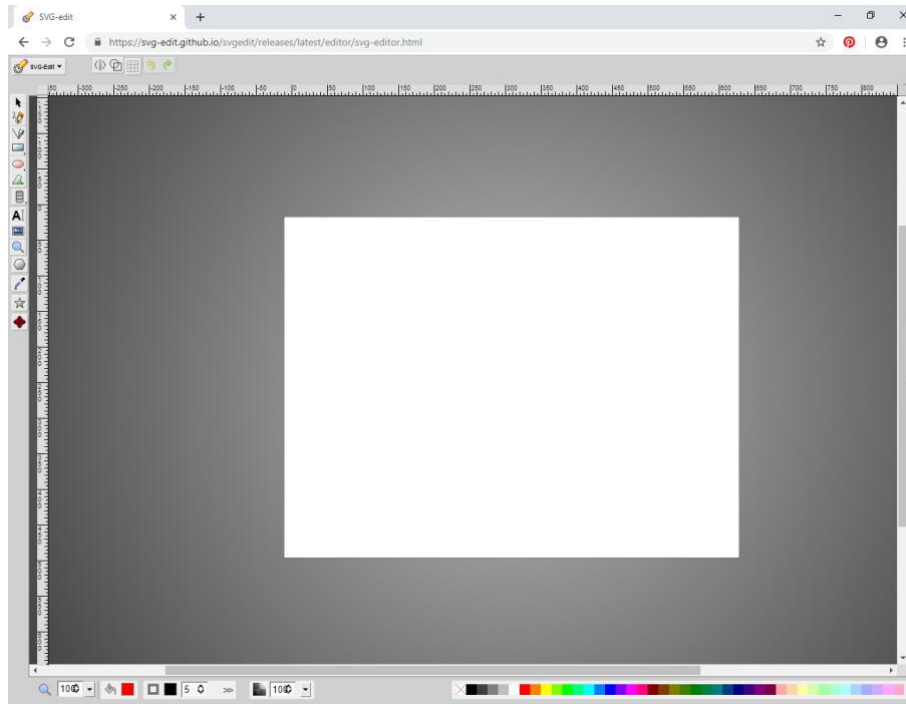
DEFINITION:

SVG-edit is a web-based free and open-source vector graphics editor. It can be used to create and edit Scalable Vector Graphics (SVG) images from within a web browser, not requiring additional software installation.

ADVANTAGE:

- Works in your web browser
- No server-side processing

DISADVANTAGE:

- Fewer advanced tools than rivals

Vecteezy

WEBSITE: https://www.vecteezy.com/editor
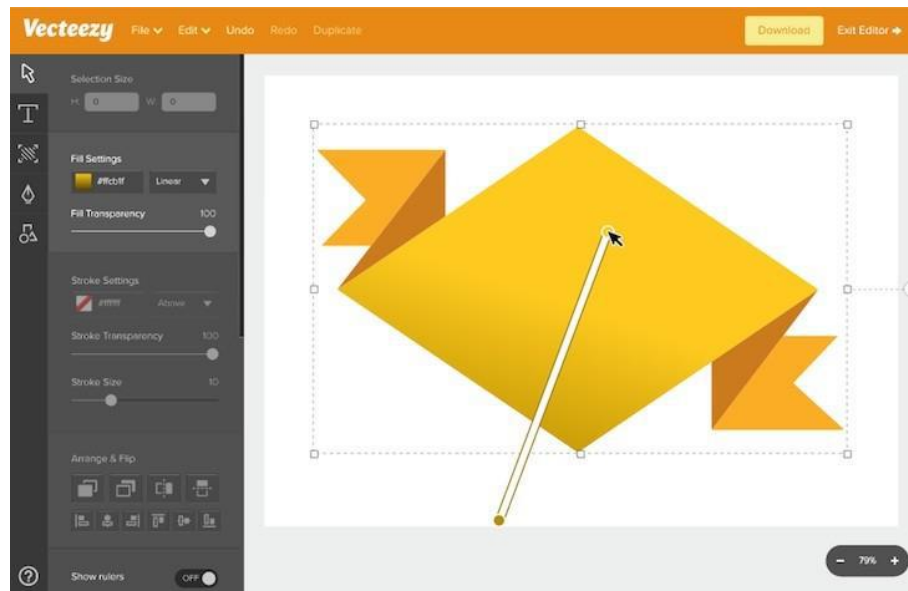
DEFINITION:

Vecteezy is an online and free vector editor, with which you can make any type of design from your web browser.

ADVANTAGE:

- One of the advantages of the utility is its large library, which has a large number of predetermined graphics. And they can be completely edited (changing the color, size, etc.)
- Nothing hidden behind a paywall
- Good choice of vector elements
- Simple to use

DISADVANTAGE:

- Requires a free account to save work

4. Visual Mapping.

Wise Mapping

WEBSITE: http://www.wisemapping.com/
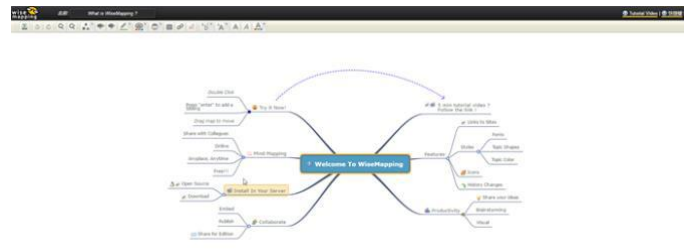
DEFINITION: WiseMapping is a tool that allows the creation and edition of mental maps online, that is, there is no need to download and install a program on the computer, but it works on the web
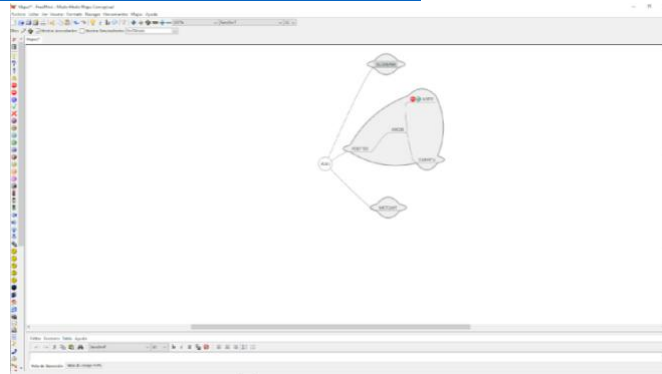
Visual Understanding Environment

WEBSITE: https://vue.tufts.edu/download/index.cfm
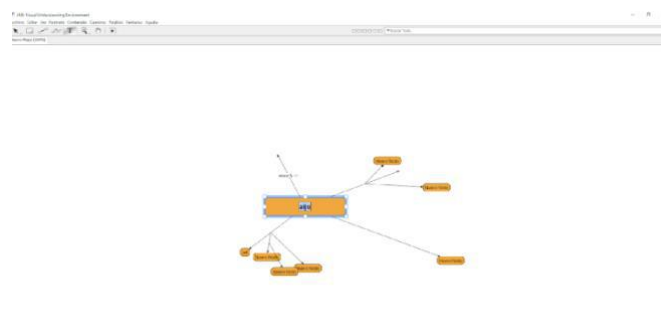
DEFINITION:

The Visual Understanding Environment or VUE is a free, open-source concept mapping application written in Java.

Free Mind mind mapping software.

WEBSITE: https://sourceforge.net/projects/freemind/

DEFINITION:

FreeMind is a computer program that allows the elaboration of mental maps or concepts, programmed in Java.

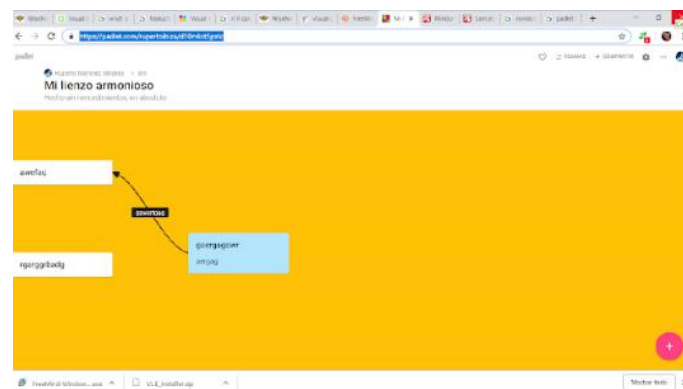# Padlet

WEBSITE: https://padlet.com/rupertoibiza/d10mkct5pstc

DEFINITION:

Padlet is a web 2.0 tool that allows you to store and share multimedia content, it is basically a digital wall which can be used as a personal bulletin board or a collaborative blackboard.
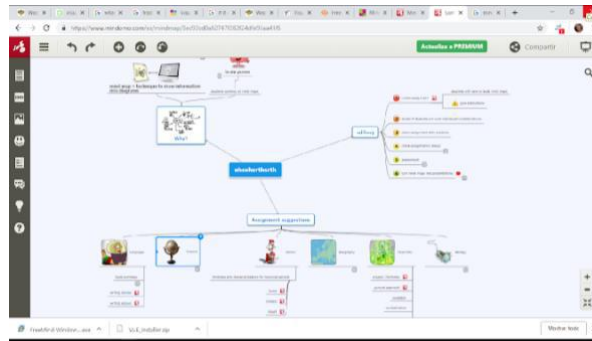
Mindomo

WEBSITE: https://www.mindomo.com/es/mindmap/3ec92cd0a02747f282f24dfe95aa41f5

DEFINITION:

Mindomo is a collaborative creation software online mind mapping where users can create, view and share mind maps in your browser.

5. Configurable tools without the need of knowledge or graphic design skills.

Voki

WEBSITE: https://www.voki.com/presenter/create

DESCRIPTION: Voki is a free web-based application that allows you to create a virtual character, an educational avatar that speak according to your instructions.
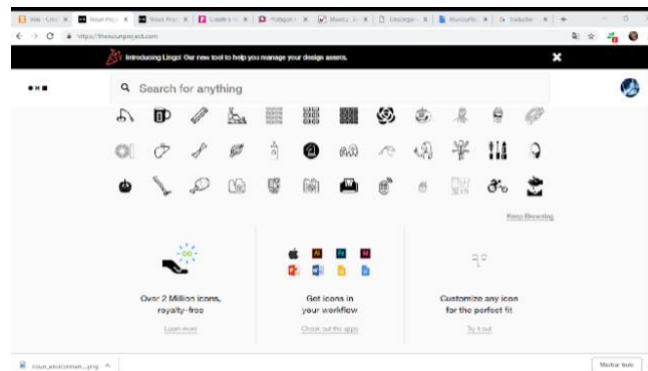
The Noun Project

WEBSITE: https://thenounproject.com/

DEFINITION: Application to download millions of icons

Face Your Manga

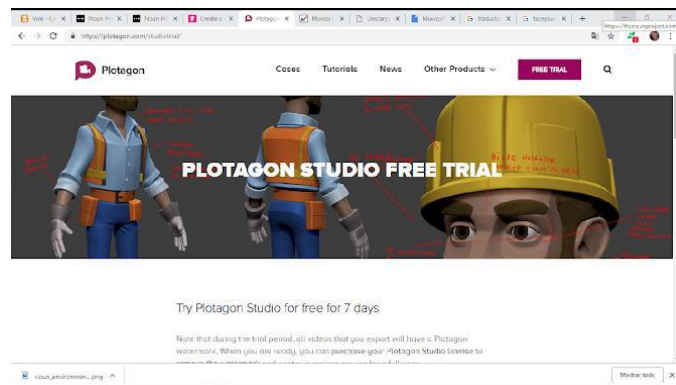**WEBSITE**: https://www.faceyourmanga.com/editmangatar.php
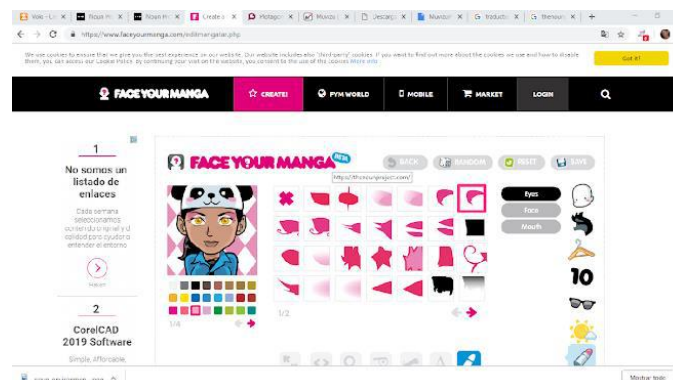
DEFINITION: FaceYourManga is one of the best known sites for drawing avatars with a touch of manga.
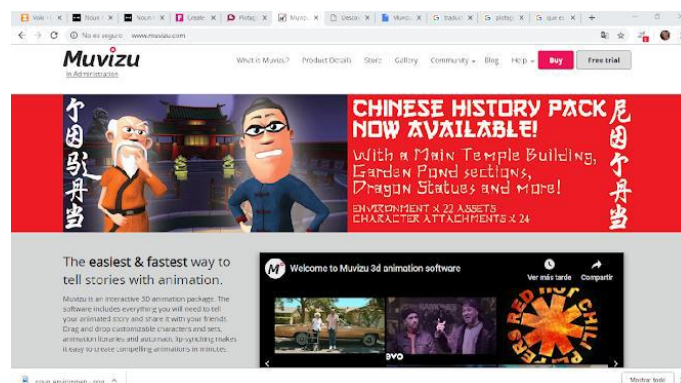
Plotagon

WEBSITE: https://plotagon.com/studiotrial/

DEFINITION: Plotagon is a program to create your own 3D movies from a script.

Muvizu

WEBSITE: http://www.muvizu.com/

DEFINITION: Free program for Windows, which allows you to create animations with lights, with image effects, with relatively realistic movements and with very simple scenarios to create and alter.

# 6. Graphic organisers: Groupings of concepts, Descriptive tables, Timelines, Spiders, Venn diagrams.

Word Cloud Organisers:

Wordsift

WEBSITE: https://wordsift.org/

DEFINITION: Wordsift is a tool that, through the introduction of a text, phrase or paragraph, searches related pages on Google that may interest us through keywords, images and words related to the information we have entered, such as a kind of visual thesaurus and all in one page.

World Cloud Generator

WEBSITE: https://www.wordclouds.com/

DEFINITION: Wordclouds is a generator of word clouds and cloud clouds for free and online.

TagCrowd

WEBSITE: https://tagcrowd.com/

DEFINITON: Tagcrowd is a free online tool that helps us create word clouds, that is, represents in an image words or tags taken from a text or web.

Wordle

WEBSITE: http://www.wordle.net/
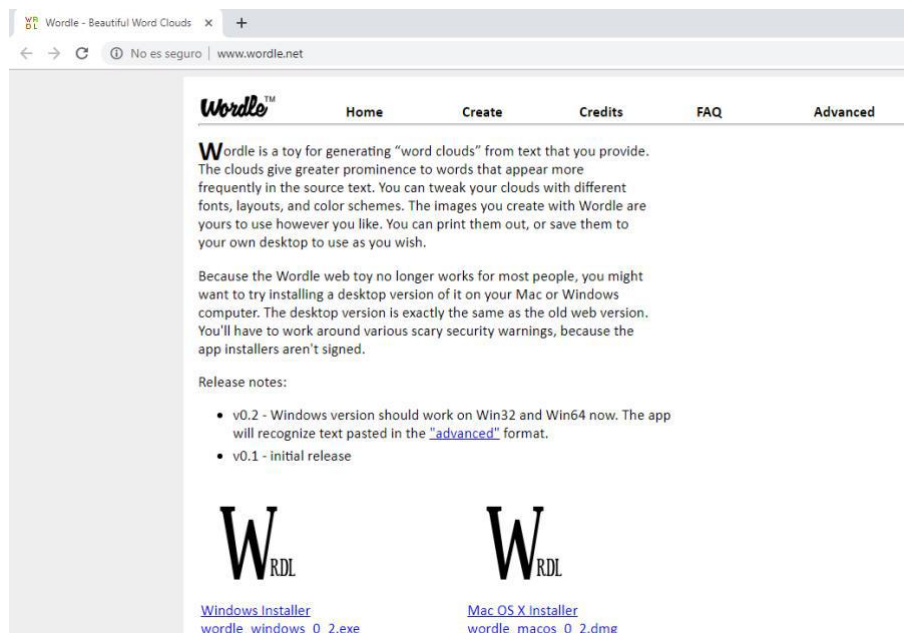
DEFINITION: Wordle is a free online application used to generate word clouds that can be given various visual formats, from any text chosen by the user.

ABCya! World Clouds

WEBSITE: https://www.abcya.com/games/word_clouds

DEFINITON: This tool serves to present a series of words or labels in graphic form with different colors and sizes depending on the relevance of a word.

Diagramming tools

yEd
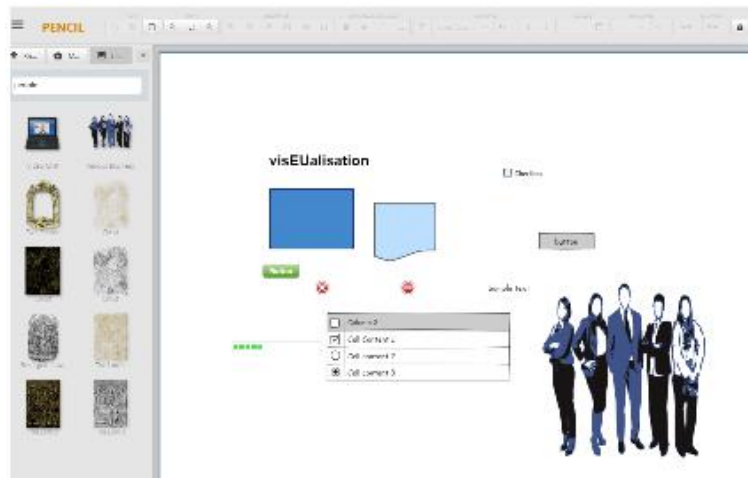
WEBSITE: https://www.yworks.com/products/yed

DEFINITION: yEd is a powerful desktop application that can be used to quickly and efficiently generate high quality diagrams, and most importantly, Concept Maps and Mind Maps.DEFINITION:

Pencil

WEBSITE: https://pencil.evolus.vn/

DEFINITION: Pencil is built for the purpose of providing a free and open-source GUI prototyping tool that people can easily install and use to create mockups in popular desktop platforms.
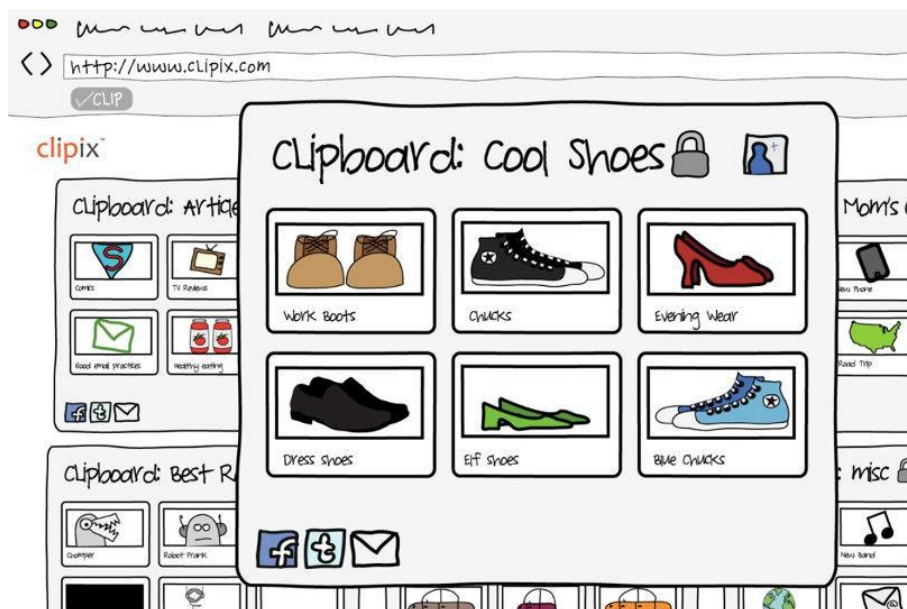
Other Diagramming tools

Flipboard

WEBSITE: https://flipboard.com/
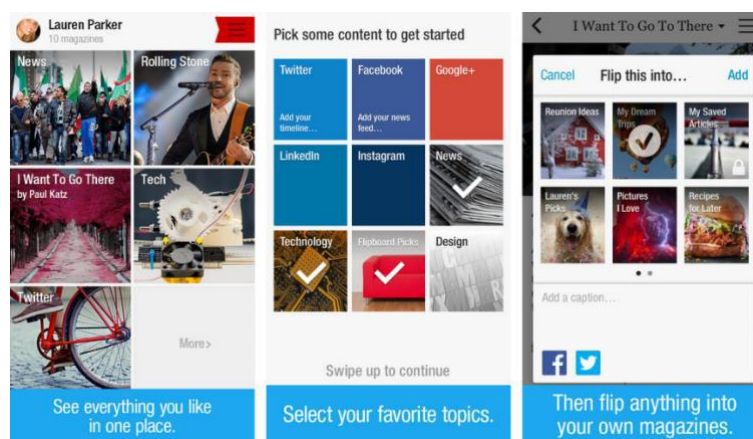
DEFINITION: Flipboard is a collector and reader of news on the Internet, it allows us to easily filter and select the material
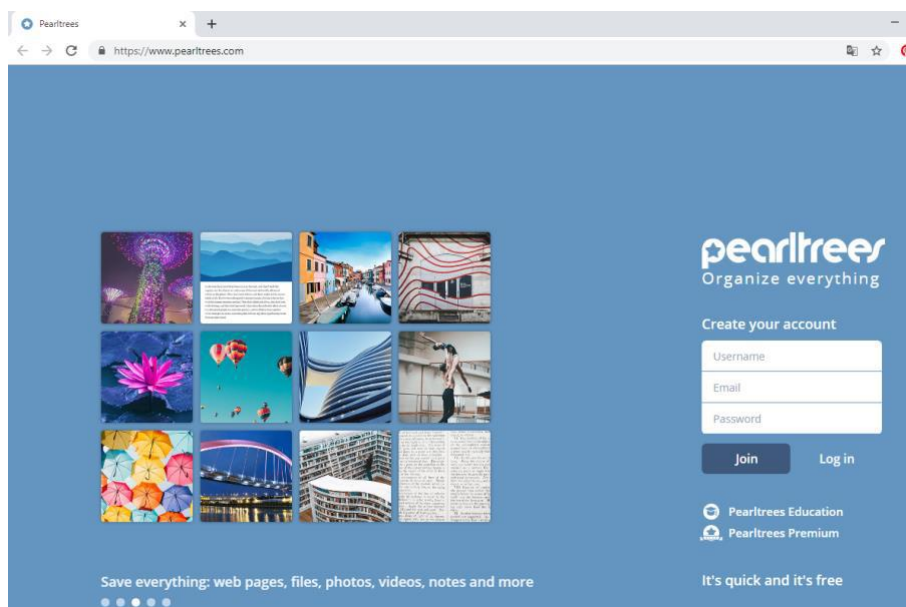
Clipix

WEBSITE: https://www.clipix.com/

DEFINITIION: an organizational tool, file marking, file sharing and online.

Pearltrees

WEBSITE: https://www.pearltrees.com/

DEFINITION: is a visual and collaborative tool that allows users to organize, explore and share any URL that is online.

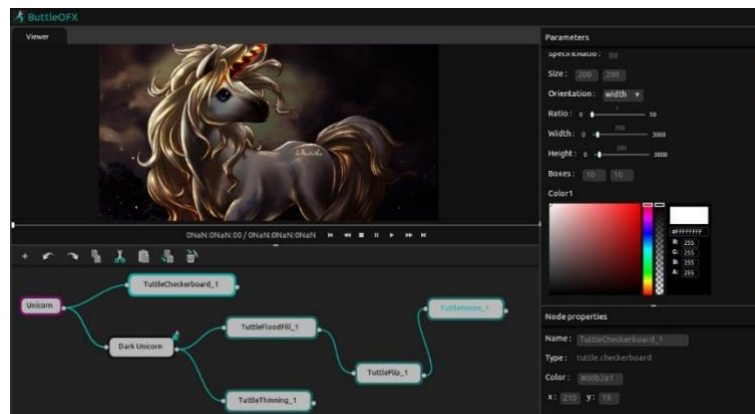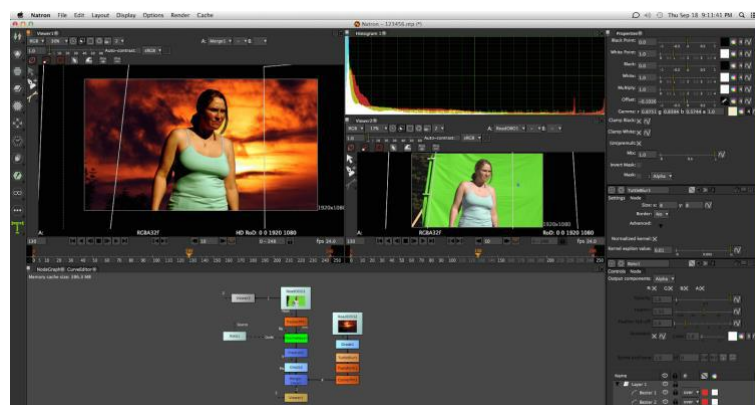# 7. Creating Effects

ButtleOFX

WEBSITE: https://buttleofx.wordpress.com/

DEFINITION: ButtleOFX allows you to easily create special effects for your photos and videos thanks to its features.

Natron

WEBSITE: https://natrongithub.github.io/

DEFINITION: Natron is a powerful Digital Compositor that can handle of your needs. Its the most flexible open source compositor for the visual effects community.

FXhome

X FXhome

WEBSITE: https://fxhome.com/imerge-pro

DEFINITION: Build professional-level composites with flexible layers, automatic keying tools, and no fear of baked-in changes. Edit files and tackle green screen with the industry's most intuitive chroma key.

8. Post-Processing
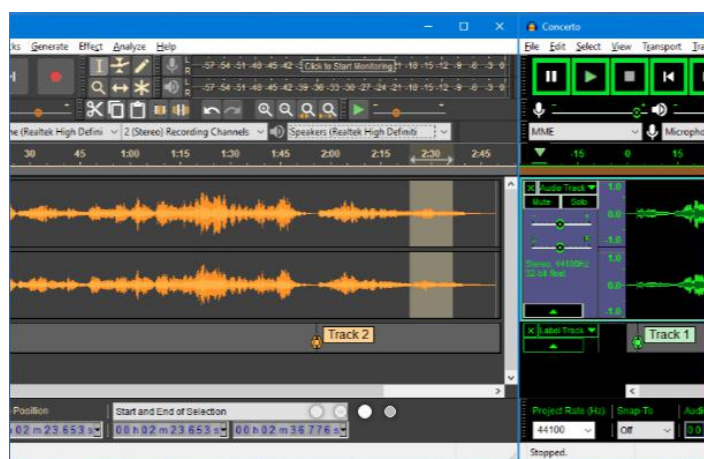
Video Editor

DaVinci Resolve

WEBSITE: https://www.blackmagicdesign.com/products/davinciresolve/

DEFINITION: DaVinci Resolve is a non-linear video editing software.

9. Music&Sounds Creator and Editor
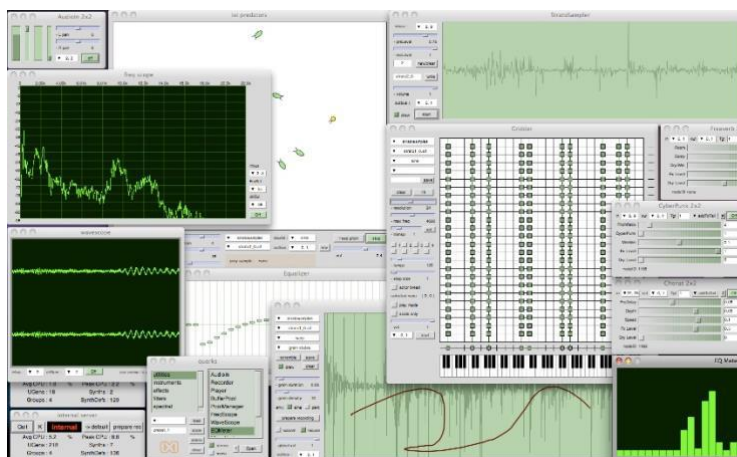
Audacity

WEBSITE: https://www.audacityteam.org/

DEFINITION: Audacity is a free multiplatform software application, which can be used for recording and editing audio, distributed under the GPLv2 + license.
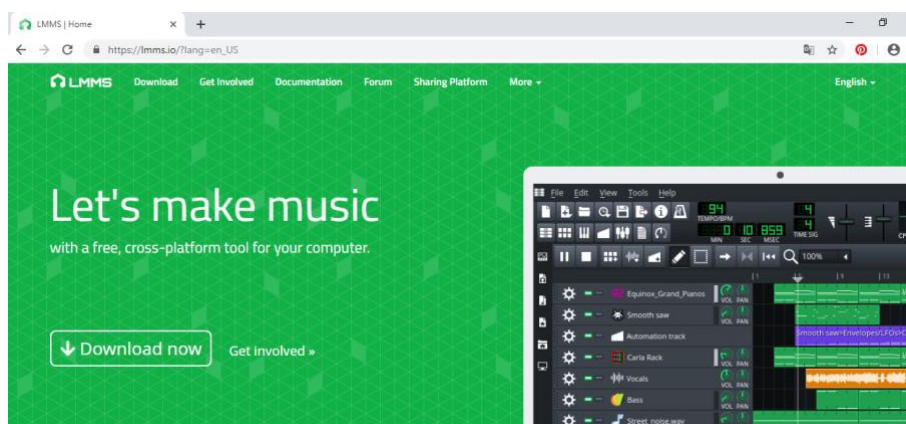
SuperCollider

WEBSITE: https://supercollider.github.io/

DEFINITION: SuperCollider it is an environment for audio synthesis in real time and algorithmic composition.

LMMS

WEBSITE: https://lmms.io/

DEFINITION: LMMS is a digital audio workstation of free software and multiplatform that allows to produce music with the computer.

10.   Imprint

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

visEUalisation – How to develop innovative digital educational videos

www.viseualisation.eu

Lead Partner:

Fundacja Ad Meritum

www.admeritum.com.pl

www.sbico.eu

Partners:

2Kroner Julia Keil und Jan Schröder GbR

www.2kroner.de

alp-activating leadership potential (Irene Rojnik und Julia Braunegg)

www.alp-network.org

Asociacion de investigacion de la industria del juguete conexas y afines

www.aiju.info/en