

TO DRAW EASILY, FOR FREE AND METHODICALLY ITS DIAGRAMS

This is my method, I do not pretend that it is the ultimate, the unique, the best, it is mine and it is gift.

FREELY :

The INKSCAPE software is available for download on the net. Easy to use and taking in hand, I recommend it.

Inkscape has many possibilities technically speaking, some will be tempted to use strictly geometrics, mathematics. Inkscape allows a simple and effective method and this is what I will talk about:

The method of lazy if you do not mind...

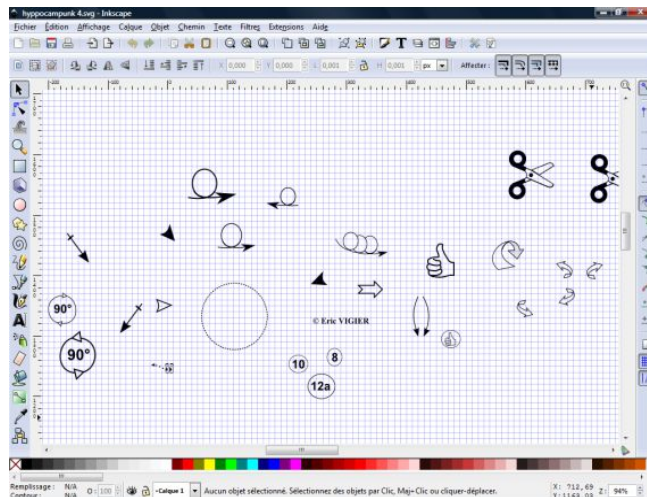
STEP 1: PROVIDE MINIMUM WORK :

This may seem easy but it needs to be done methodically:

I advocate obviously to read the software in its various aspects beforehand and this for a good reason: During the first tests we will begin to draw on our first steps our symbols system.

It will be necessary to keep these symbols in a corner of the SVG file in order to build a useful library for all future diagrams:

- It will be necessary to update each update as much as possible
- always keep them on the last SVG file used
- always use the last SVG file for the following diagram or next page



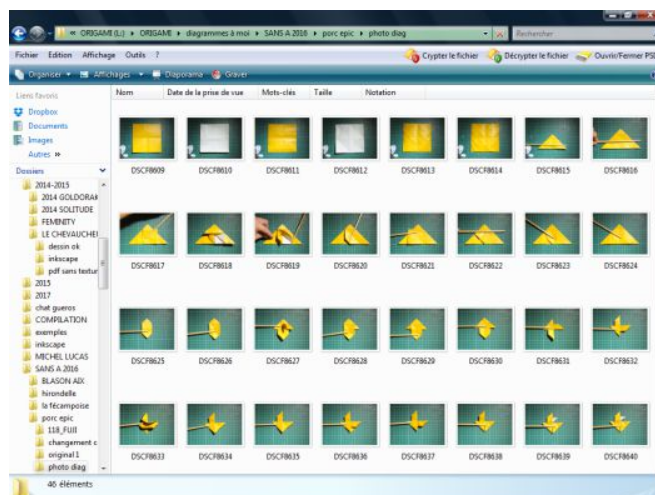
In the same idea Keep the title inserts or the "copyright".

It is also in this library that I keep all the recurring symbols which constitutes a diagram: numbers in a circle, the eye, the thumb in the air, scissors and glue etc...

STEP 2: TAKE PICTURES:

This may seem easy but it needs to be done methodically:

This involves taking step-by-step photos of the model's folds:



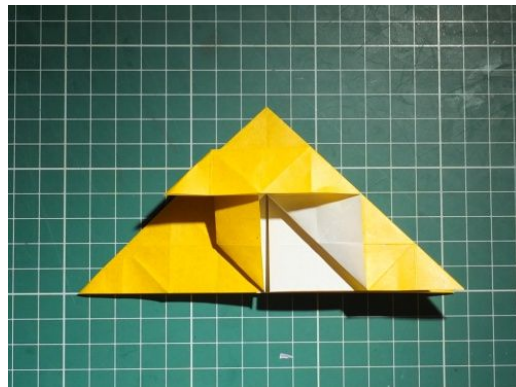
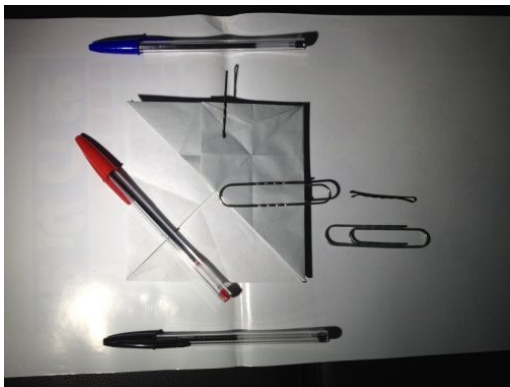
- as far as possible at equidistance for each photos apart from specific zooms, no necessity to have an expensive equipment.

-fold 2 models in parallel to avoid errors

-fold always with a step of advance, unfolded for the photo, so you have on the picture, the apparent ply to draw on the step concerned

-mainten the model flat with the use of pens, chopsticks, paper clips or hair clips, Horseshoe ...

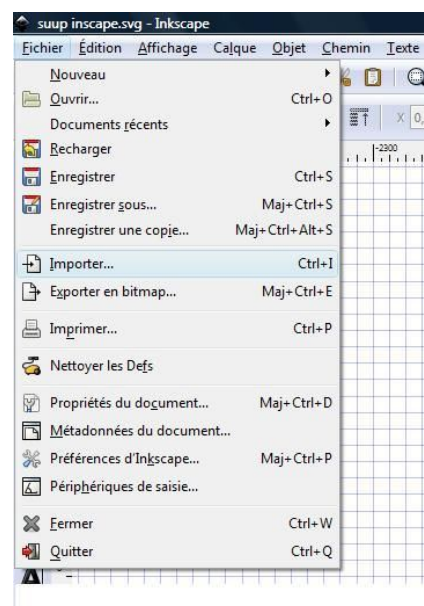
-take the model in photograph with the help of position markers, possibility to place a cutting board with tile bottom under it or paper



STEP 3: DOWNLOAD THE PICTURES ON THE SVG FILE:

This may seem easy but it needs to be done methodically:

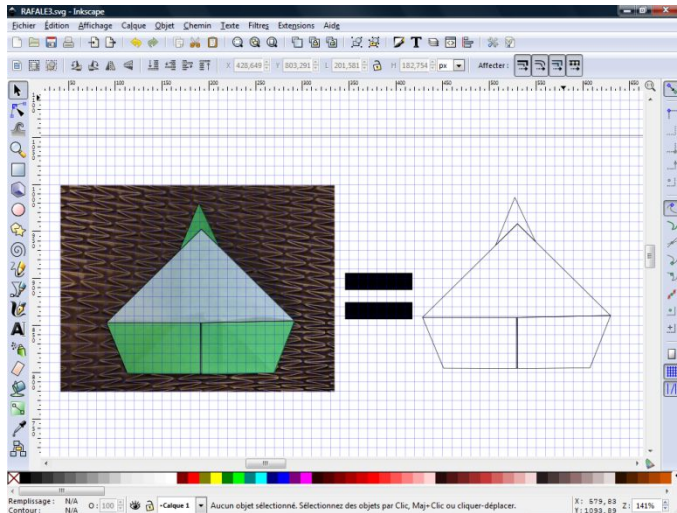
FILE / Import ... tab (Ctrl + I) / Select a file to import / OPEN



Once the photo (s) arrived on the SVG file it must be positioned and resized on the single page available to us. For my part once this done I then place it out of the frame and imports 3 photos in a row to save time. Only the drawing will be positioned on the final frame thereafter.

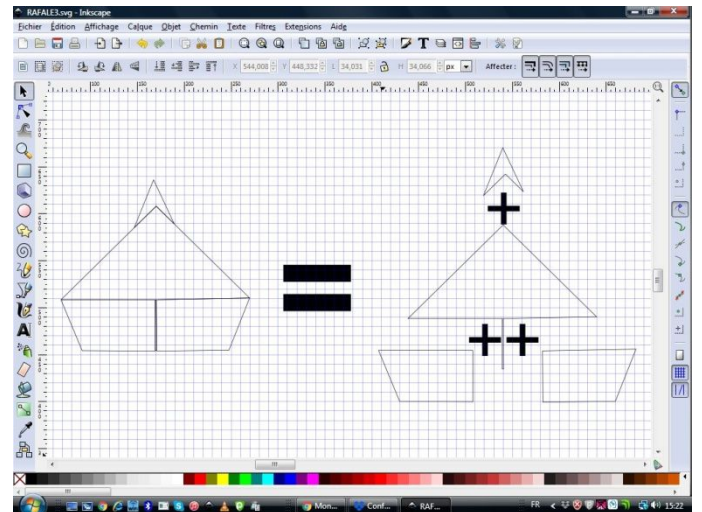
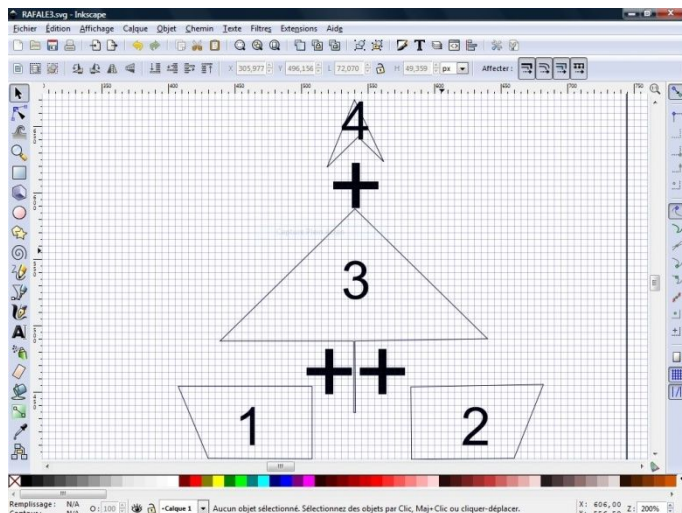
STEP 4: DRAWING:

This may seem easy but it needs to be done methodically:



A folding step is a shape modified by a succession of folds.

This results in an accumulation of stacked forms!
I proceed as follows:

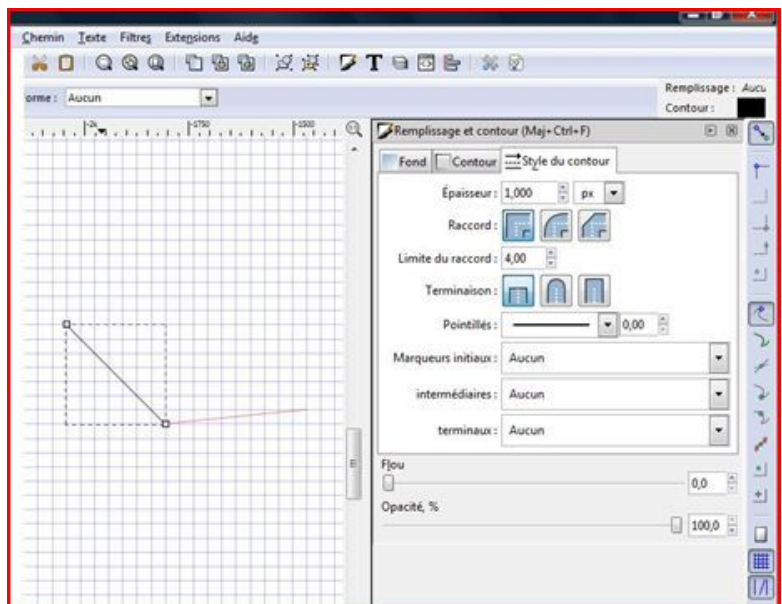
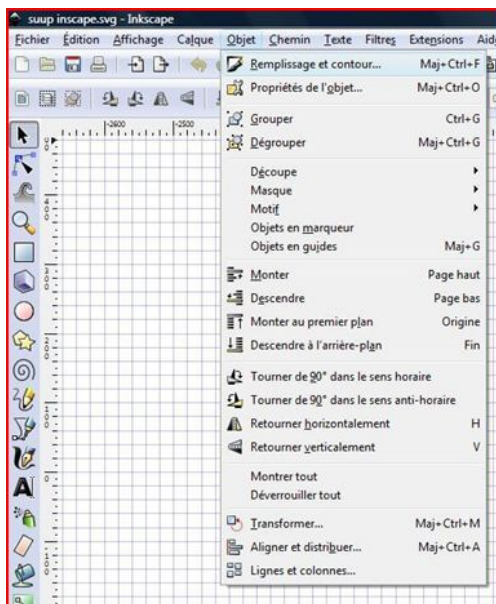


- for the visible folds, I do not stick the ends of these against the edges of the model

Tab: Object / Fill and Outline / Exe

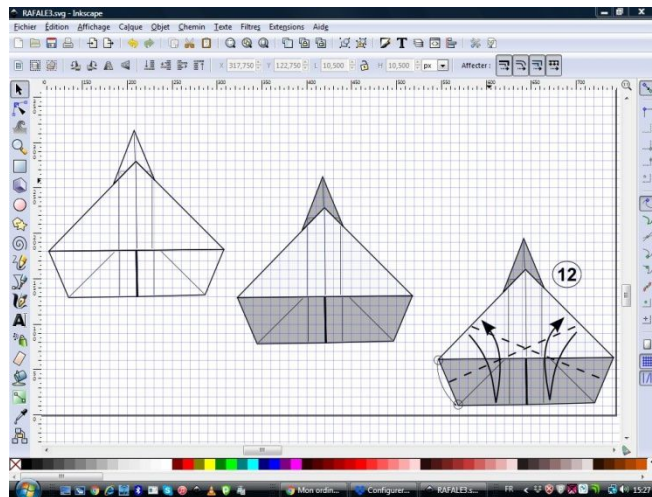
A new window opens on the right: 3rd tab: Stroke style

It is also here that the shaping of the lines in dotted or dotted/point and the tips of arrows:



This may seem easy but it needs to be done methodically:

- Choose a stroke size for contours (ex: 1)
- Choose a stroke size for the folds to be made (ex: 1.5)
- Choose a stroke size for the visible folds (ex: 0.5)
- Choose a stroke width for symbols (ex: 1.5)



After having drawn and put in color or shades of gray (*Fifty ?*), make disappear the photo which heavier the SVG file and save.

And so on ...

For my part I use an SVG file per page then I "copy-paste" the previous one for the next, I shift the entire page drawn to the left then start again, so I have a visual from the previous page if necessary.

STEP 5: THE PDF:

This may seem easy but it needs to be done methodically:

Once finished the page concerned must be PDF formatted:

FILE / Save As (Shift + Ctrl + S) / choose Portable Document PDF Format in Title / Name in File Name / Save.

Once finished, you have a number of PDF files that you can later merge into one PDF using free websites such as Smallpdf.

STEP 6: Verification:

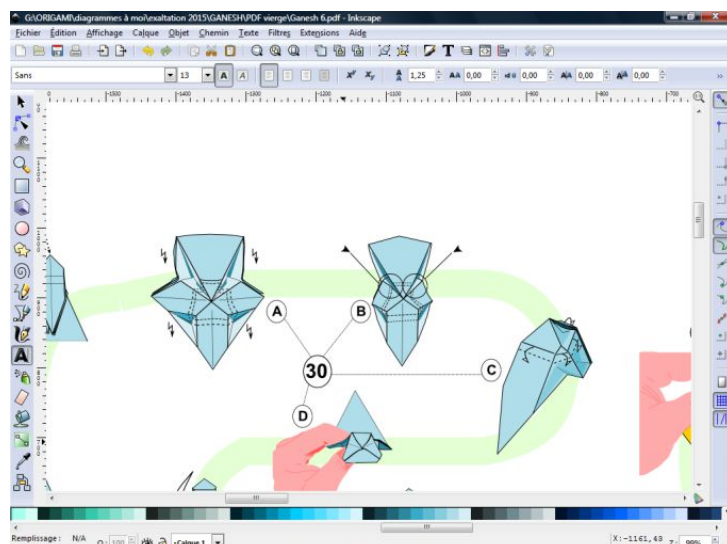
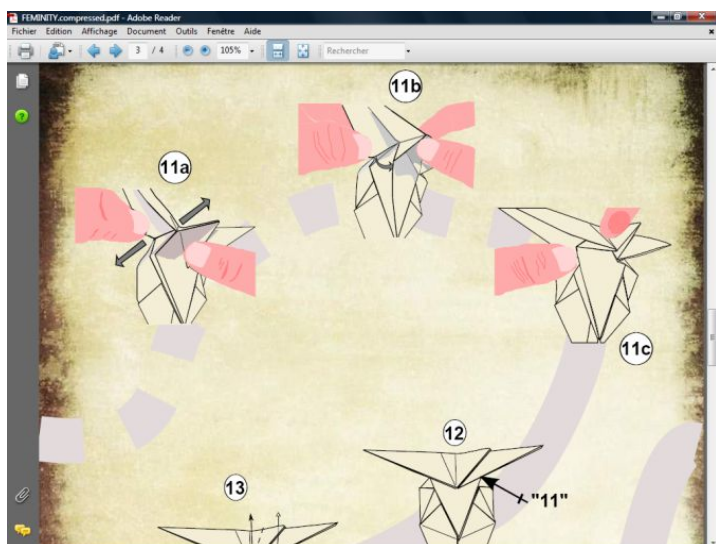
This may seem easy but it needs to be done methodically:

Drawing easily is cool but drawing to be understood is better, therefore, to test and to make test by others.

Hope to have helped you methodically.

Origamicably

The mad folder, Eric VIGIER



CHALLENGE :you can try to make a completely closed owl without the rider !!!

