CAAM

Cutting Landscapes

ZUEND - Cutter

Max 115cm x 125 cm

Min 20x30cm: The plates are fixed with vacuum

Mindestgrösse 20x30cm: Platten werden mit Vakuum fixiert

Technical Details

Cutting Landscapes

05

In-between Dig out prints
08:20h   Analysis of a Landscape, Reconstruction with structural contour lines,
          Export for Cutter, e-nesting
10:30h   Playground: cardboard model
12:00h   End

06

08:20h   Cutter Demo
09:30h   alternate techniques: triangulation, unrolling
10:30h   Playground: Cut and mount model with Forex and cold welding
12:00h   End

07

08:30h   Parametric

Schedule

Playground

Select a leftover of Forex and mesure the thickness of the plate.

Adapt the dimension of Your Landscape to cut it out with that piece.

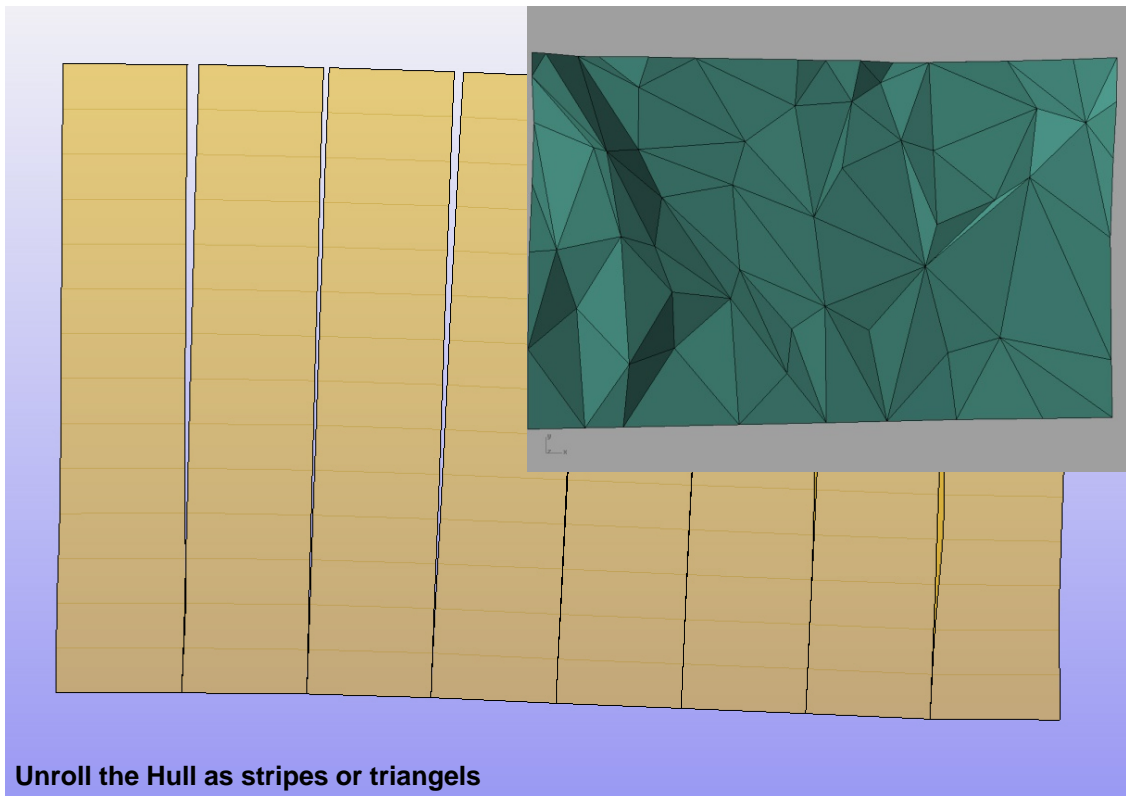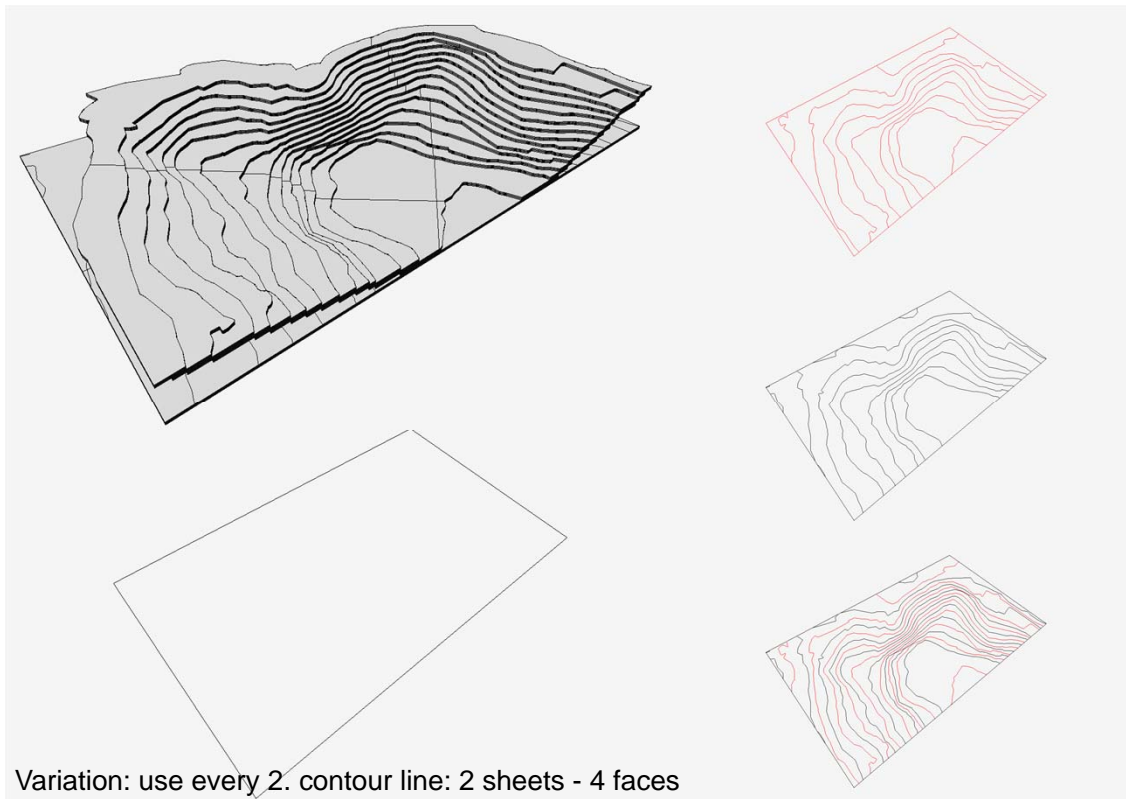*The Landscape is used as a socket for Your printed model?*

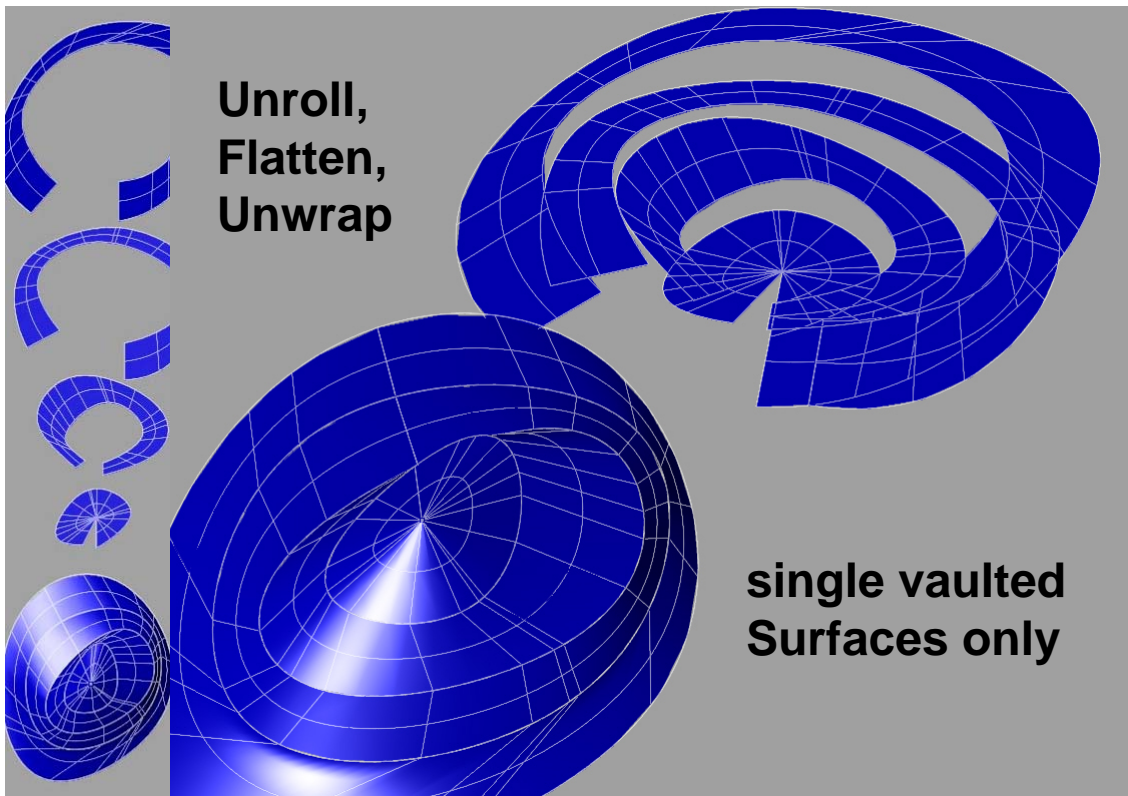*Export the data as DXF – Cutter file on Your stick.*

Cut it.

Assemble it with cold welding the PVC-foam called «Forex»

Reconstruct the landscape in a way, that maybe developed.
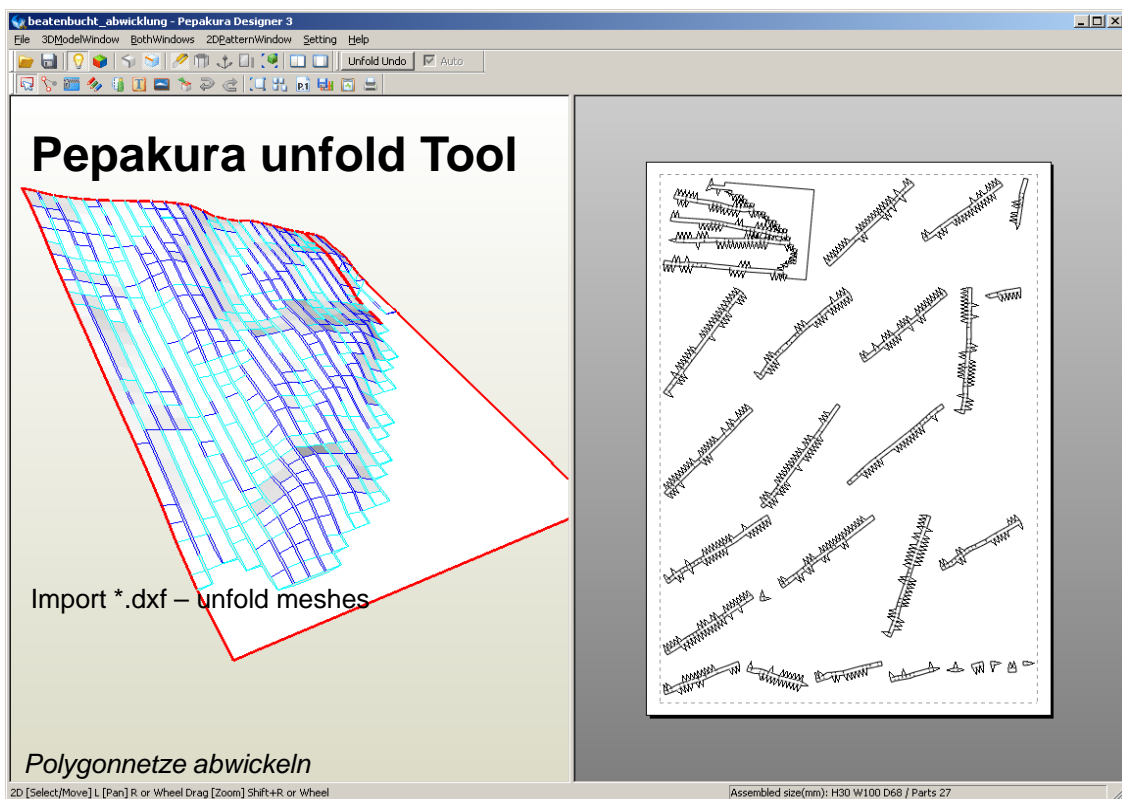
Use 1 sheet – 4 faces

2

Variation: use every 2. contour line: 2 sheets - 4 faces

Unroll the Hull as stripes or triangels

Windows: Flat – simply vaulted – double vaulted

2   flat

1   2

Unroll, Flatten, Unwrap

single vaulted Surfaces only

Boxcover

Wrap a Box

Cut in Parts

Loft even

Unwrap

Pepakura unfold Tool

Import *.dxf – unfold meshes

Polygonnetze abwickeln
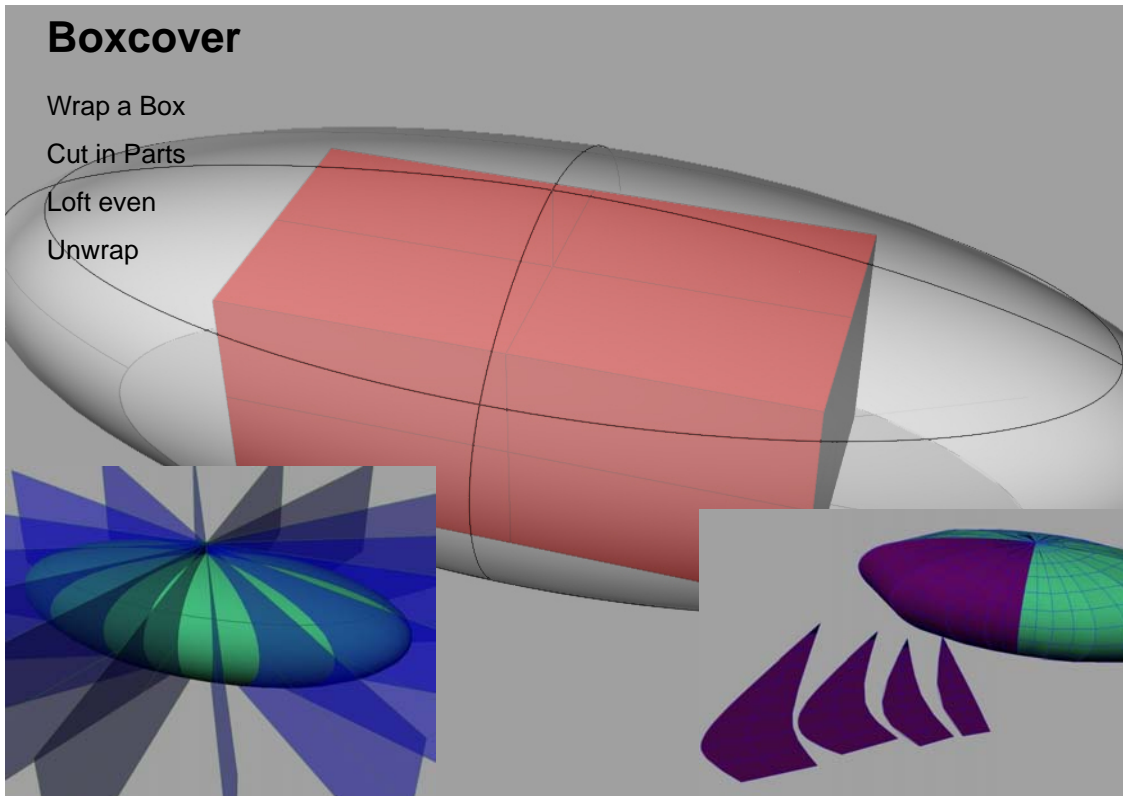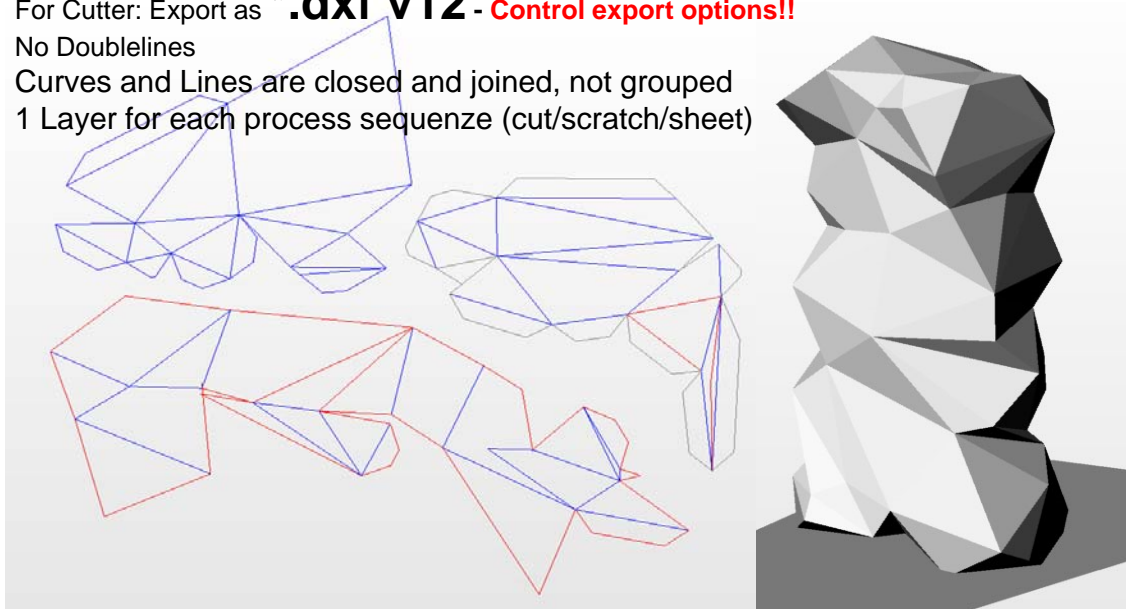
Reduced Meshes

Unfolded with Rhino or «Pepakura» (= to unfold meshes, with seams and flaps)
Models with more than 40 faces will be difficult to assemble.

For Cutter: Export as ***.dxf v12** - **Control export options!!**
No Doublelines
Curves and Lines are closed and joined, not grouped
1 Layer for each process sequenze (cut/scratch/sheet)

Workflow

Idea – 2D-Geometry – Data Format **DXF v12** (not 2012)

Before to draw: Choose Your material, sheet dimensions….
Cost: SFr 30.-/h = -.50/min from insertion to extraction of the Stick.
Model against money.

Please take Your material with you - after cutting put it out yourself and clean up.
Put the garbage in the container.
Please mount your model in an other room.

Reservations not over 3hours with indication of mail and phonenumber
until eve 17:00h per Server:
https://sharepoint.bfh.ch/ahb/services/alab/default.aspx
Please dergistrate, if You are prevented for any reason

Tasks for school first, External Tasks have special prices.

Who masters drawings, cuts

Save material with more intelligent concepts?
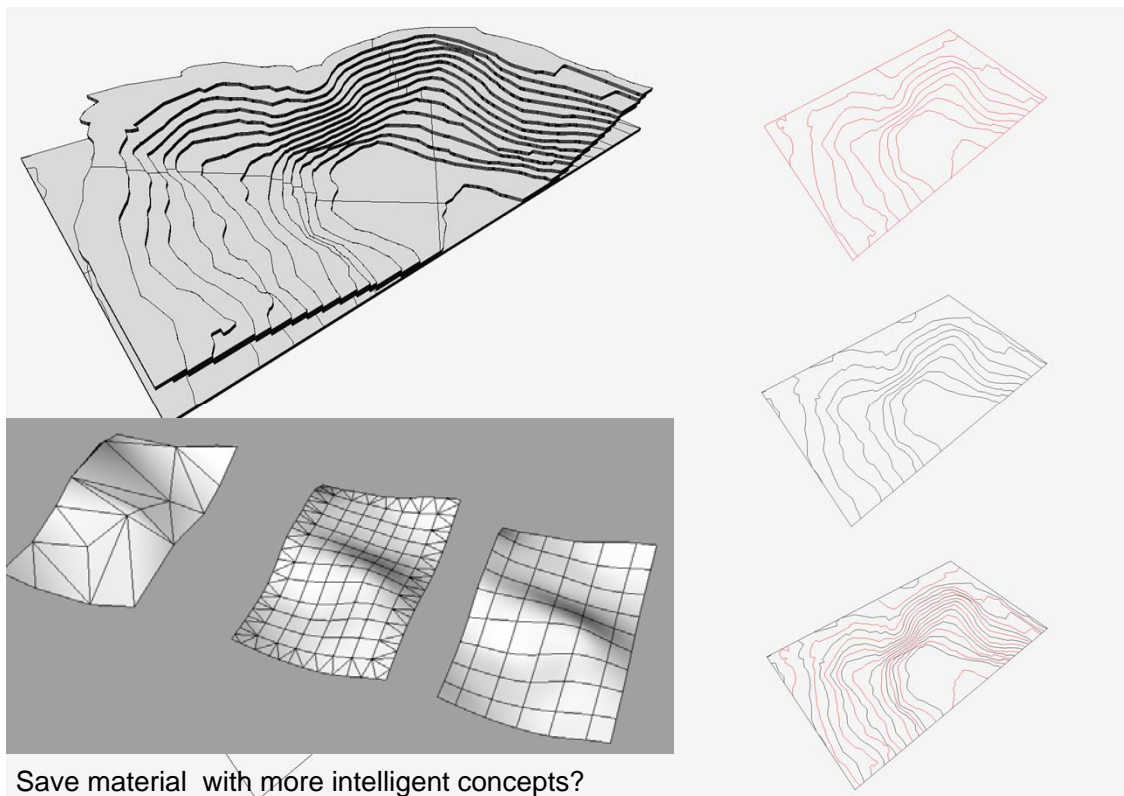
Cutter – Design – DXF-Export with Rhino

2D–lines, joined, not grouped, no blocks,
No double-lines: waste of time

Data format
DXF– Export R 12 (not:2012)

One operation per layer
(Design / text, cut/ scratch)
Scratching for folding can also be a dottet
cutted line

One sheet upon the other

several layers in the same file,
named with sense,

scale 1:1 to the modell in mm

We cut Your model with CAMOD

Schema bearbeiten

Schema exportieren:

R12 Ursprünglich

Allgemein | Kurven

Rhino Objekte	AutoCAD Objekte
Linien	Linien
Bogen	Bogen
Polylinien	Polylinien
Kurven	Polylinien
Polykurven	Polylinien mit Ausbuchtu

Kurven-Tesselation-Parameter

Maximaler Winkel: 4.0

Akkordhöhe: 0.1

Segmentlänge: 1.0   Angle 4-8°

PolyKurven zerlegen

Kurven an Knickpunkten teilen

Linien Bogen vereinfachen

Toleranz vereinfachen: 0.05

Neu
Speichern
SpeichernUnter
Löschen
Umbenennen
Schließen
Hilfe