

# Next level?

For a more advanced level, the fabrication of a big customized sculpture can be considered, for which the use of wire frame is needed to support the creation.



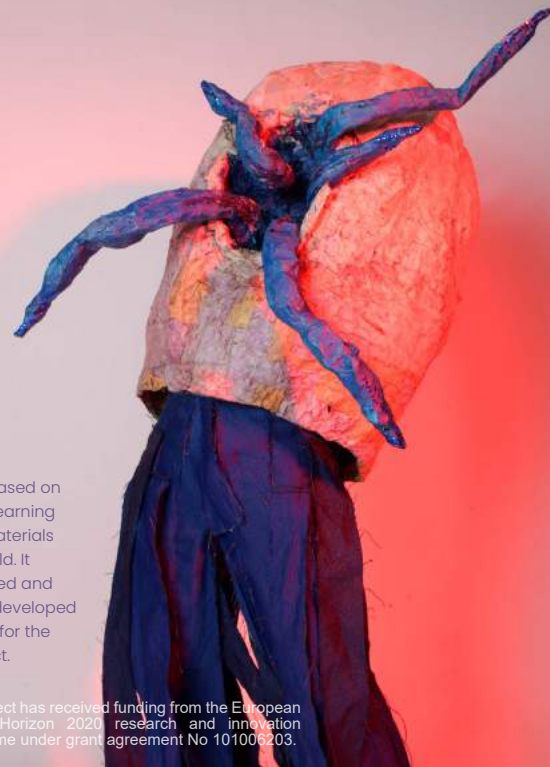
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This manual is based on Fabricademy's learning content of biomaterials and textile scaffold. It has been adapted and remixed, and is developed by Le Textile Lab for the SHEMAKES project.



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# Textile Waste Mask

*How to recycling textile waste into new biomaterial*



## Materials, Tools & Ingredients

### Materials

- ▶ Textile Waste
- ▶ Balloon
- ▶ Tape
- ▶ Paper and pencil

### Tools

- ▶ Mixer
- ▶ Small shedder
- ▶ 1 textile scissors per participants
- ▶ Large pot
- ▶ Spatula

### Ingredients

- ▶ Sodium Alginate
- ▶ Calcium chloride
- ▶ Water
- ▶ Glycerin
- ▶ Oil

# Textile Waste Masks

## Step by step instructions

### Process overview

- ▶ Step 1: Shred the textile
- ▶ Step 2: Prepare the alginate recipe
- ▶ Step 3: Have fun while modeling
- ▶ Step 4: Finish and let dry



### Step 1: Shred the textile

- ▶ Cut the fabric with scissors in small part 3 by 3 cm.
- ▶ Put a few pieces of fabric in the kitchen shredder and submerge with water.
- ▶ Mix a small quantity of material at a time.
- ▶ Wring out the shedded fabric, and store it for the next recipe.

### Step 2: Prepare the alginate recipe

- ▶ In a bowl, add: 400ml of water, 12gr Sodium Alginate, 20gr of glycerin, 5gr of vegetable oil
- ▶ Mix all the ingredients together until you get a thick, viscous and homogeneous mixture.
- ▶ Add 100gr of the grind material, blend well with a spoon.
- ▶ Make the same recipe with different color of material.

### Step 3 - Have fun while modeling

- ▶ Put the balloon above a pot, fix it with tape if needed
- ▶ Add a shape made with aluminium sheet to keep volume for the noze
- ▶ Make holes for the eyes
- ▶ Play with different color of material

### Step 4 - Spray and wait until it's dry

- ▶ Prepare a solution of Calcium Chloride 10% and put-it in a spray bottle.
- ▶ Spray your mask with the solution, the curing reaction start, you can't change the modeling anymore.
- ▶ Wait a few days until it's completely dry, it can be longer depending the weather. Important : Let it dry on the support ballon in order to keep the shape.