Meta-Chair MC

Made from waste textiles & hosting the discussion about it

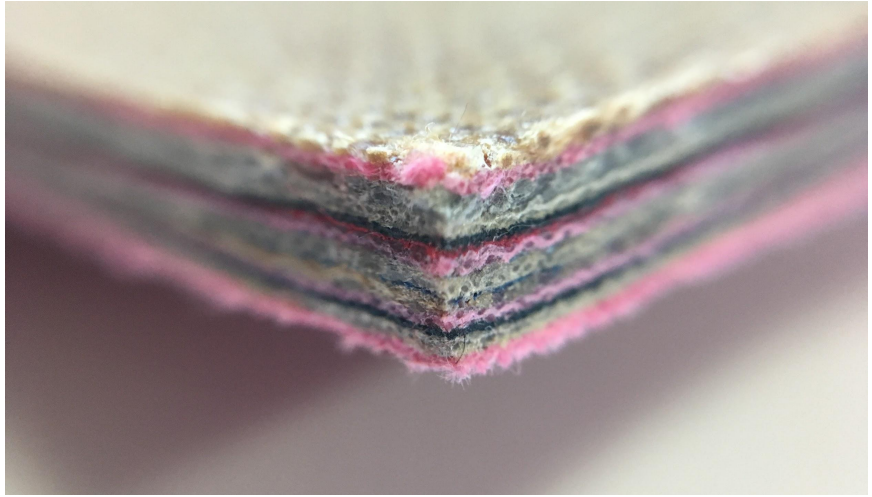
We must reduce the ever growing waste from the fashion and textile industries.

What can be done to create useful and environmentally friendly products?

Part 1: Textile Composite

My final project will be to produce a Meta Chair.

Using a vegan bioplastic, I intend to create a waste textile composite which harden over time as it dehydrates



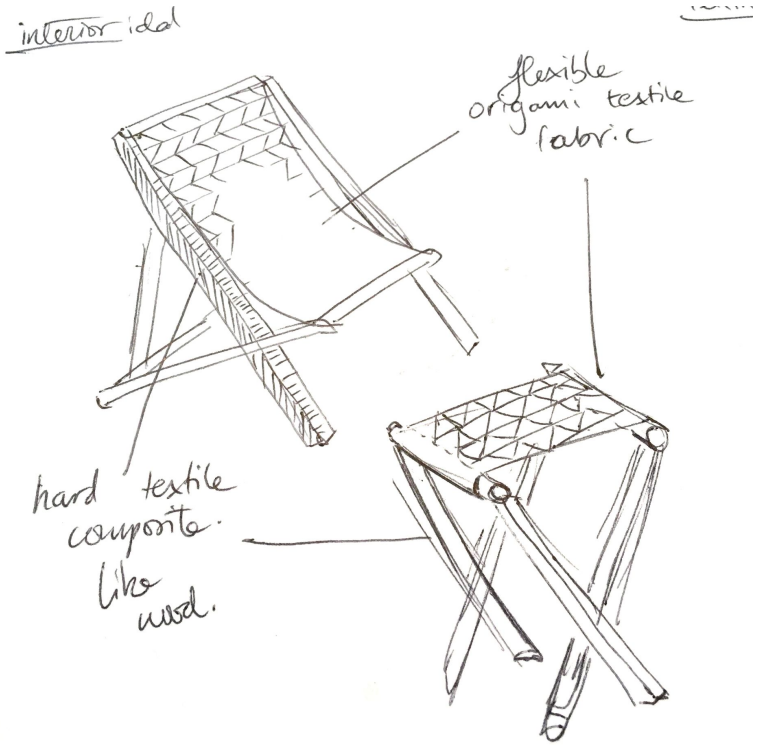
Meta in Chemistry it means "denoting a compound formed by dehydration", which refers to the process of the agar solution drying.

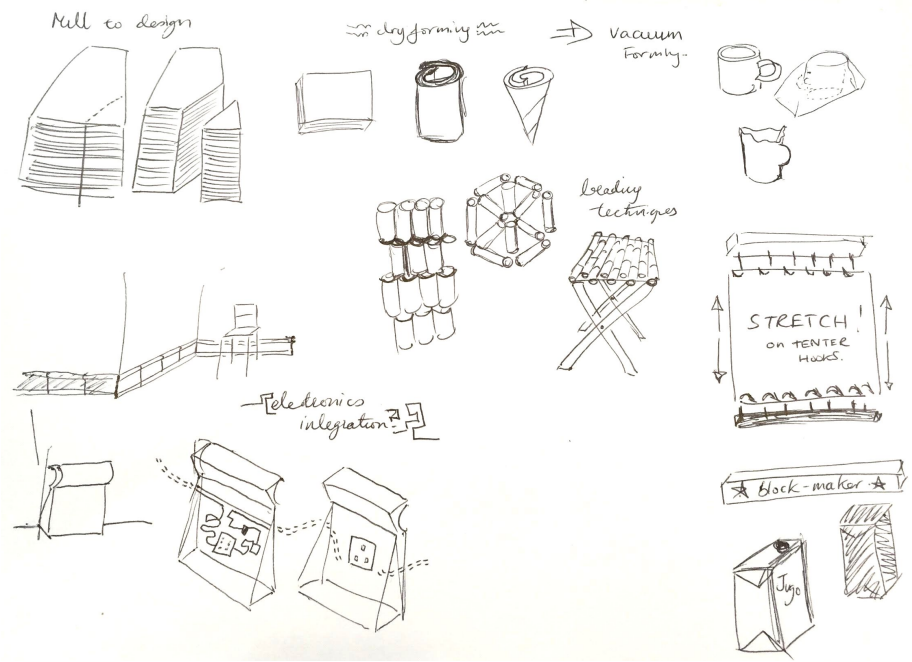
Part 2: Soft Textile Design

There will also be a second textile created which is more flexible to be used as the seat and back.

The word Meta has many meanings.
To start, in greek, Meta means "with, across, or after"; I personally find this synonymous with the process of creating textiles, like combining or crossing or even weaving yarns or techniques.

Meta as it Metamorphosis, can also "denote a change of position or condition". This to me refers to the changing state of the waste textiles to another type of material or state. It will hopefully be demonstrated in the physical, more flexible composite for the chair seat.


interior idea
flexible origami textile fabric
hard textile composite like wood.


Mill to design
dryforming
vacuum Formly.
braiding techniques
STRETCH! on TENTER Hooks.
electronics integration?
Block-maker
Jigo

Why MC?

The Meta-Chair also becomes the MC of a discussion around waste.

Going forward, I could invite people from the industry and consumers to talk about these issues and solutions, whist they actually sit in a chair made from the types of textiles about which we are discussing.

Examples in Industry

One of the most well known furniture designers, Max Lamb, exhibited his new work which were several bench designs made from a new textile composite this year.

It was a partnership between Danish Textile company Kvadrat and the board creators Really.

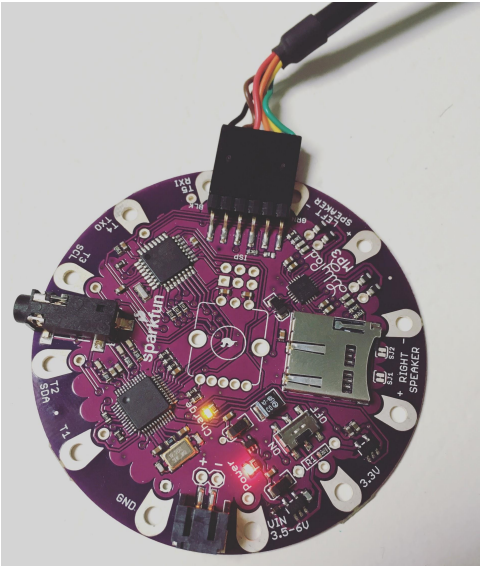
https://www.dezeen.com/2017/04/07/max-lamb-12-benches-discarded-textiles-really-installation-milan-design-week-2017/

Phase 2: E-textiles integration

Electronics integration for the chair would become part of its metamorphosis.

As a panel or section that can transform it into an educational and communication tool, by recording discussions and audio interviews.

These collected as data to be shared and collected about the subject of waste.



Phase 3: Open Source Global Experiments

Create instructions and DIY kit to be able to share the project and its processes around the globe, encouraging others to share their results.

From the material waste they are aiming to use, their making obstacles and successes as well as types of design variations.

Zippy Kit
by Elena Corchero

Ecovative Grown-it-yourself
Mycelium kit

Q&A

Why bioplastic and not resin?
The bioplastic will eventually biodegrade and become part of the earth.

Whether with natural or unnatural fibres in the textiles, giving them a second, third or even a fourth use, will be better that them sitting in a landfill, a waterway or being burnt.

Why vegan?
Kind to animals
…. and also gelatin smells gross!

Q&A

Why a chair?
A chair has being the beginning design block for many designers.

It will be a welcome challenge to change the traditional properties of fabrics to something unexpected as well as use the waste in an innovative way.

I also have a background in upholstery and am looking to build upon this.