

Opensourcing Fashion System

Zoe Romano tw @zoescope - ig @zoescope_





CONTEXT

FASHION AND INNOVATION



"Fashion marketing is governed by greed and not by vision. There's no innovation any more because of that."

"Everything we do is from the 20th century"

"We still educate our young people to become catwalk designers; unique individuals, whereas this society is now about exchange and the new economy and working together in teams and groups, which happens in every other discipline, yet not in fashion"

Li Edlekoort – dutch trend forecaster

BOOKS



The Fashion Praxis Collective is a temporary alliance of fashion practitioners, researchers and activists, joining forces for a "book sprint".

Six questions followed them through the book sprint.

Ask yourself

- 1. Why is fashion powerful today?
- 2. Who makes fashion?
- 3. Where does fashion exist?
- 4. What makes fashion political?
- 5. When did you personally experience the power of fashion?
- 6. What can fashion do?

FASHION CONGLOMERATES



http://www.thefashionlaw.com/home/lvmh-a-timeline-behind-the-building-of-a-conglomerate

FASHION CONGLOMERATES



http://www.thefashionlaw.com/



Just SiX companies own over forty fashion brands.



http://www.thefashionspot.com/

FAST FASHION

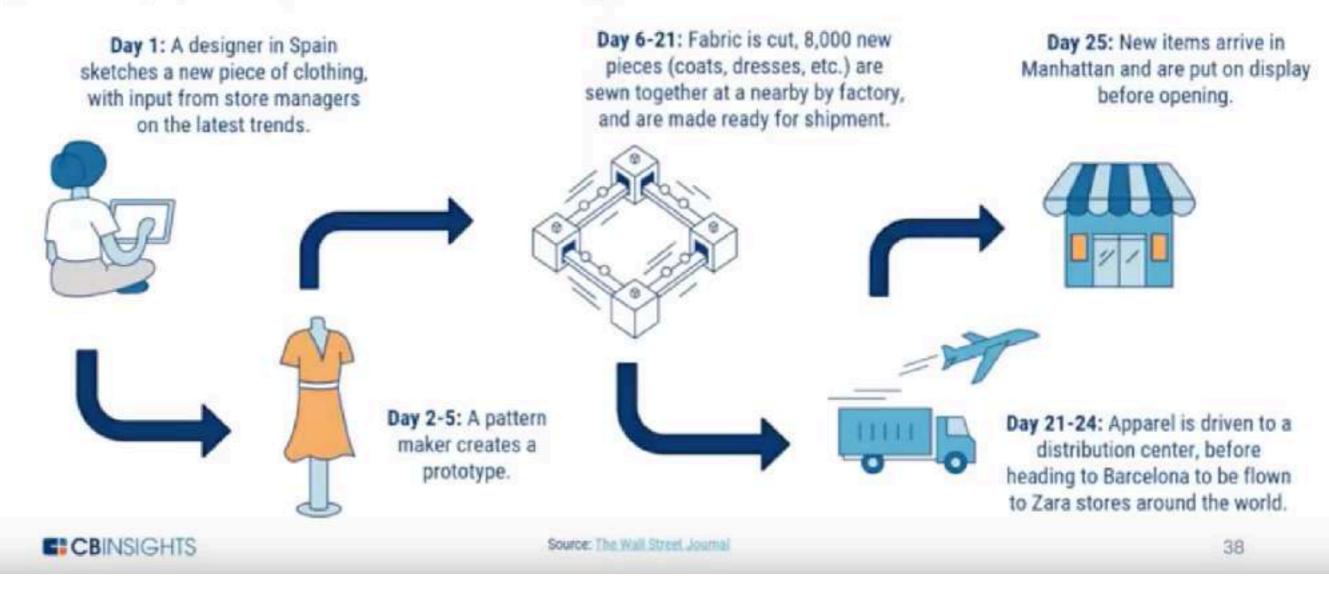




FAST FASHION

Fast fashion's speedy supply chain quickly caters to new trends

Fast fashion retailer Zara, owned by Spain-based Inditex, can get a piece of apparel from a design workshop in Spain to a display rack in a Manhattan store in **25 days**.



FAST FASHION

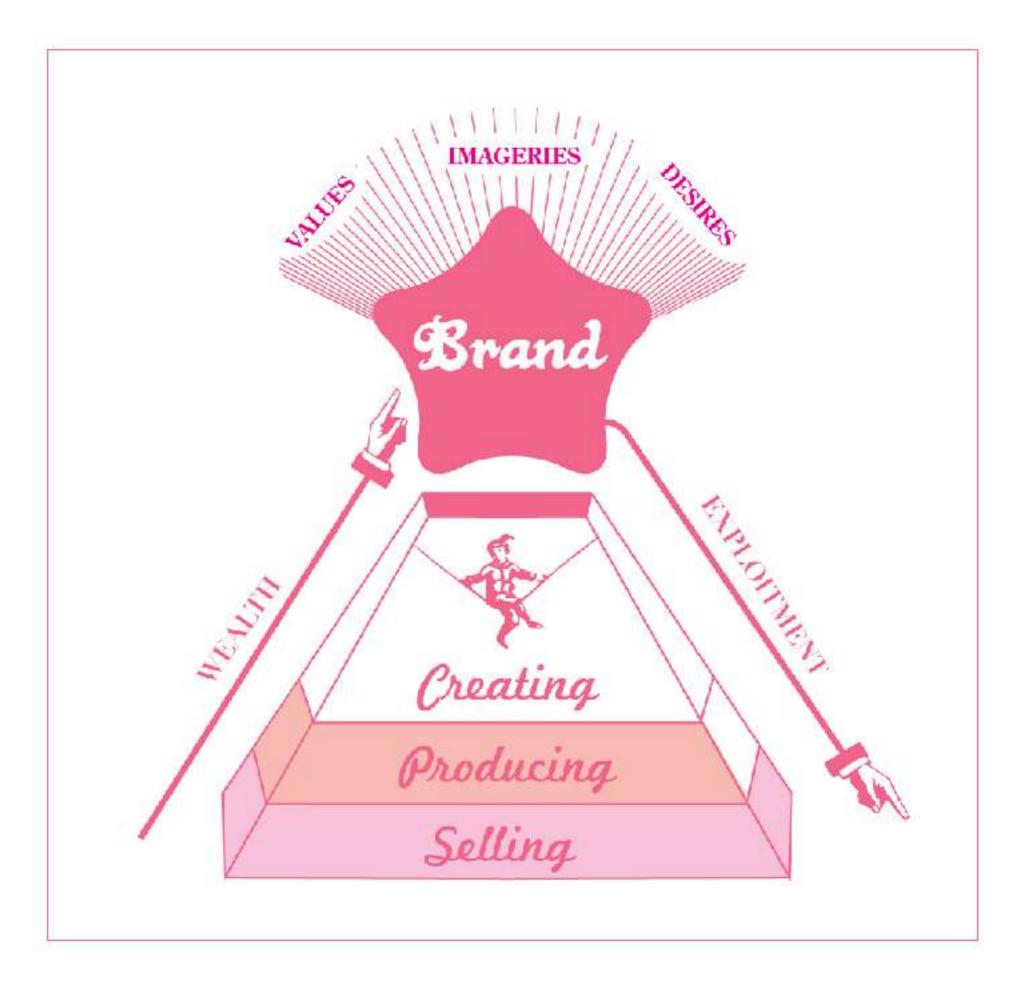
H&M Group Worldwide

Number of countries in which brands of the H&M Group were present in 2016

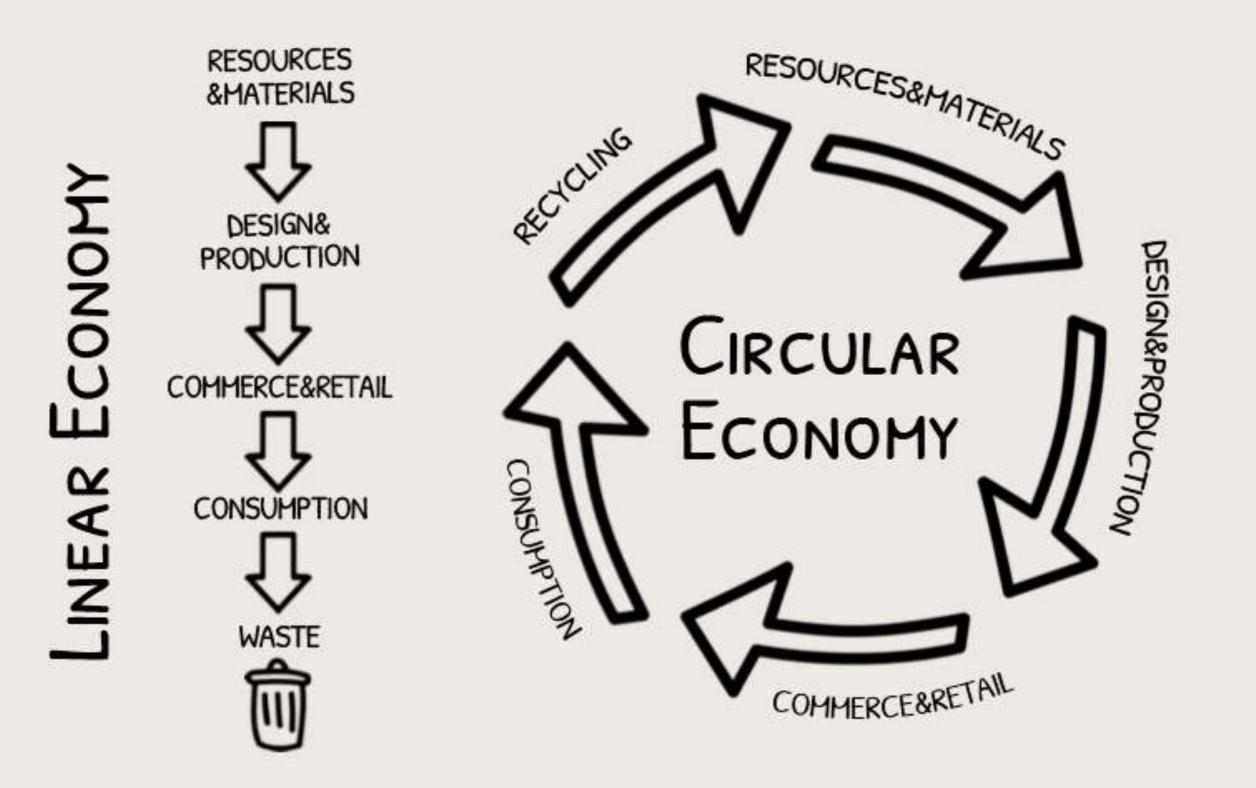




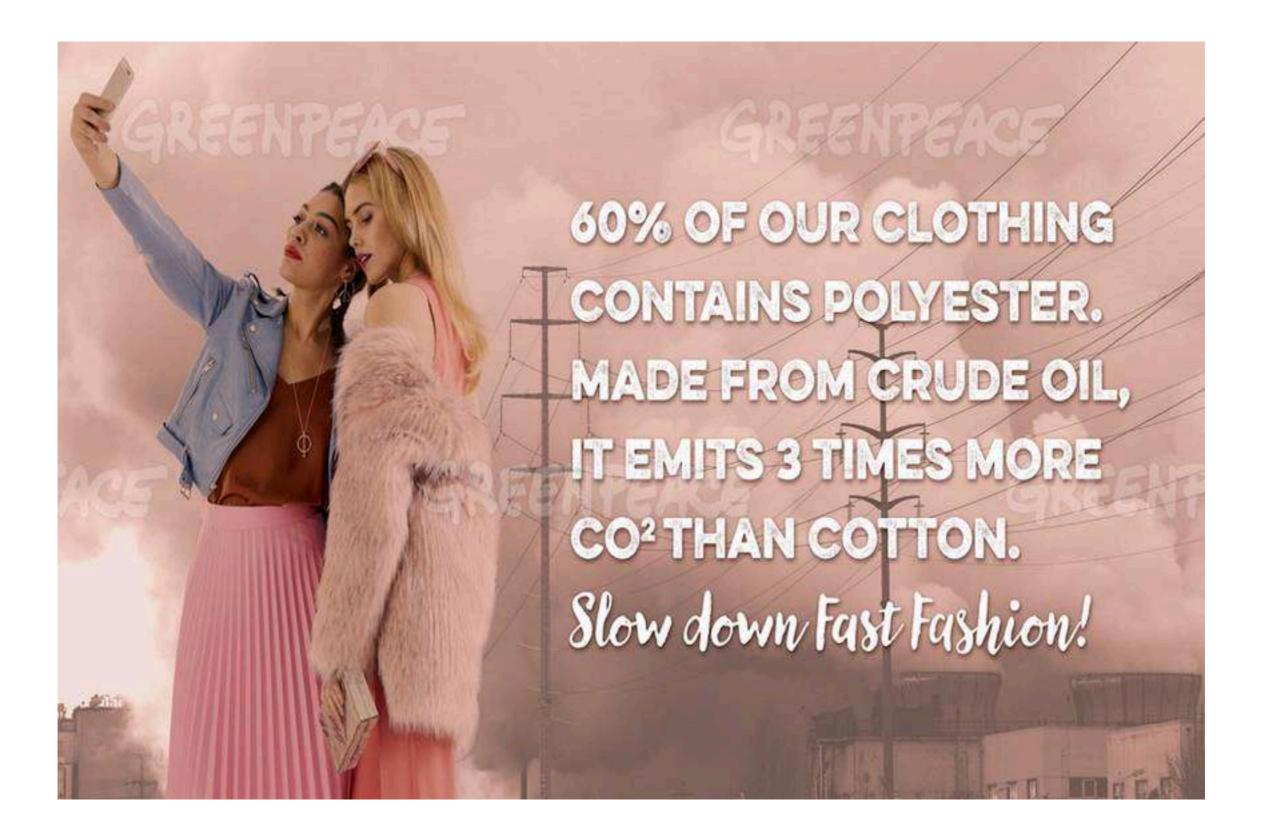




CIRCULAR ECONOMY



CIRCULAR ECONOMY?



GREENPEACE RESEARCH

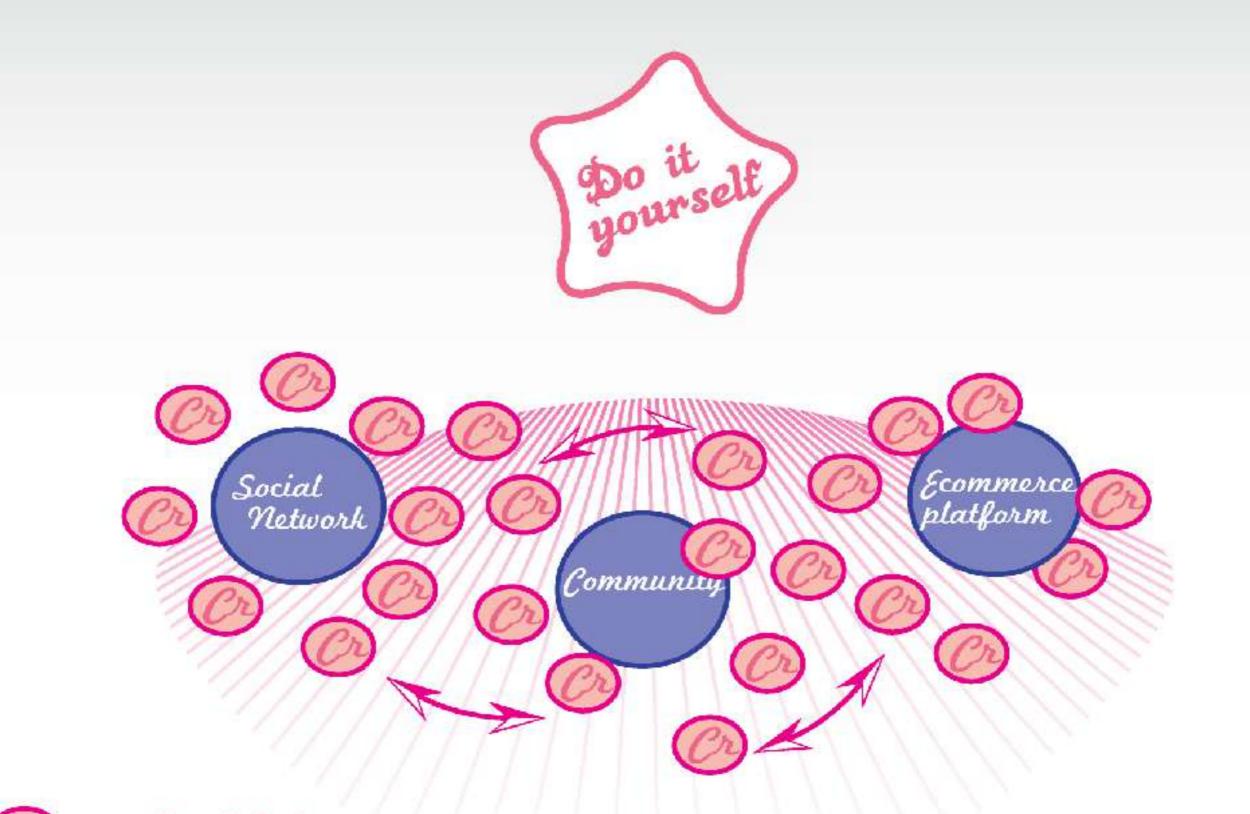
- "Mechanical recycling of fibers such as cotton and wool, which involves chopping up the fibers, degrades the quality of the material, meaning only a limited amount can be reused in clothing. (The rest is used in things such as insulation.)
- Startups such as Worn Again are working on chemical recycling methods, but no method is in wide use yet."

GREENPEACE RESEARCH

"Fashion brands need to urgently re-think the throwaway business model and produce clothing that's durable, repairable and fit for re-use,"

FROM DIY TO DO IT TOGETHER







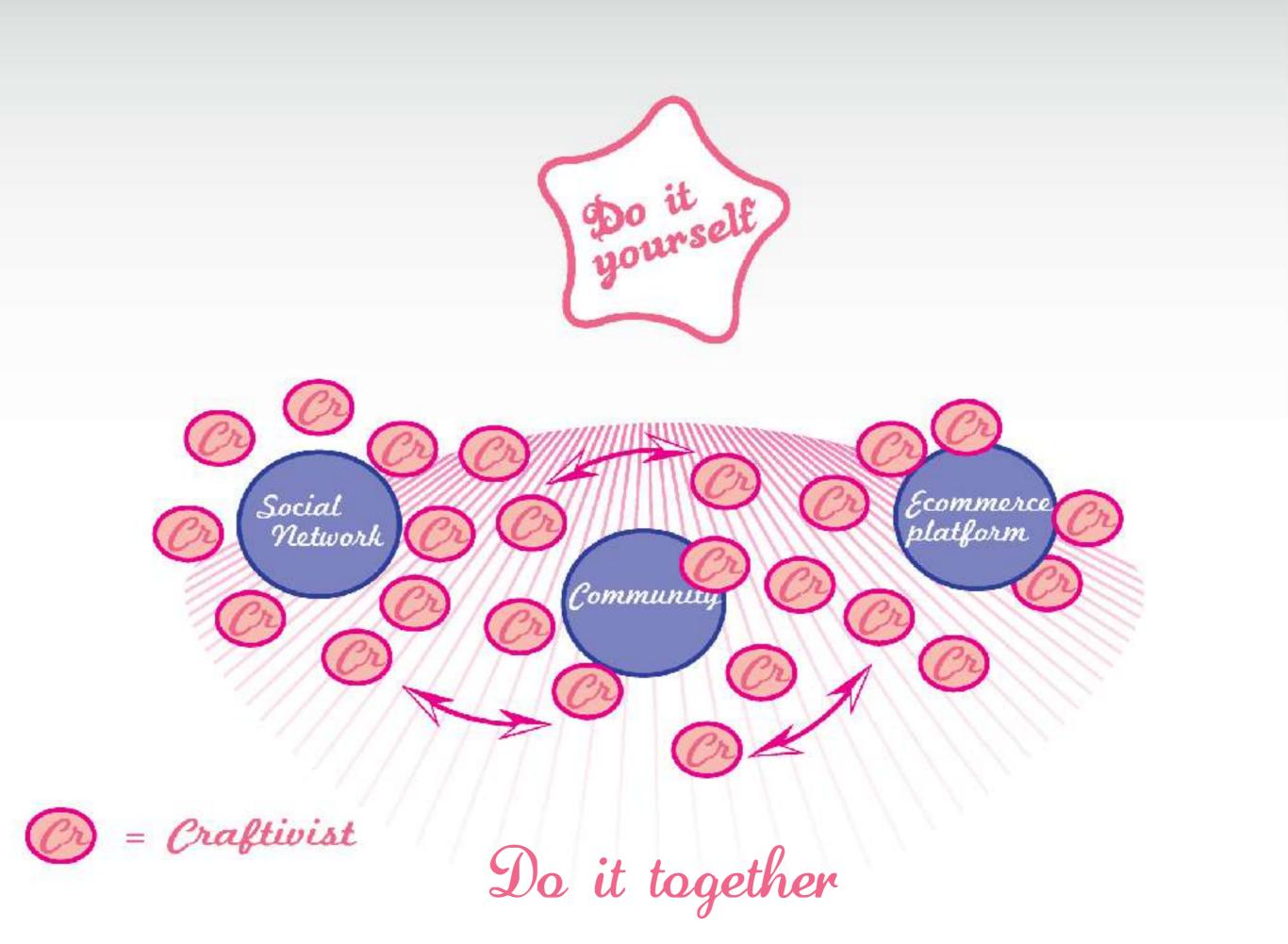
WHAT IS CHANGING

EASIER THAN EVER DATA>OBJECTS>DATA

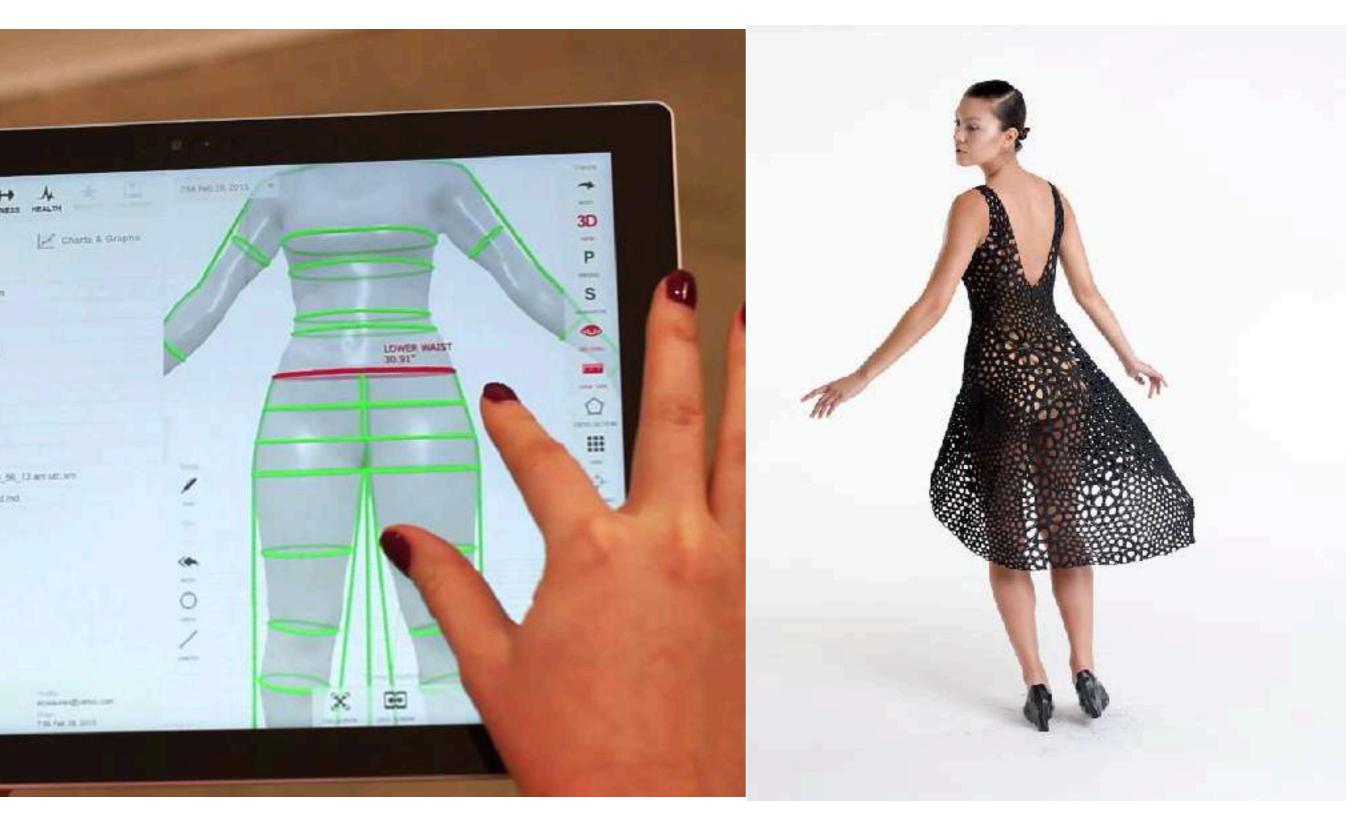
- Modularity
- Flexibility
- Open codes

OFTEN THAN EVER BOTTOM UP INNOVATION

- Interdisciplinarity
- Horizontality
- Self-organization



CHANGE IS IN THE AIR...



modular - distributed - custom

DATA>OBJECTS>DATA

... AND CAN BE IN YOUR HANDS



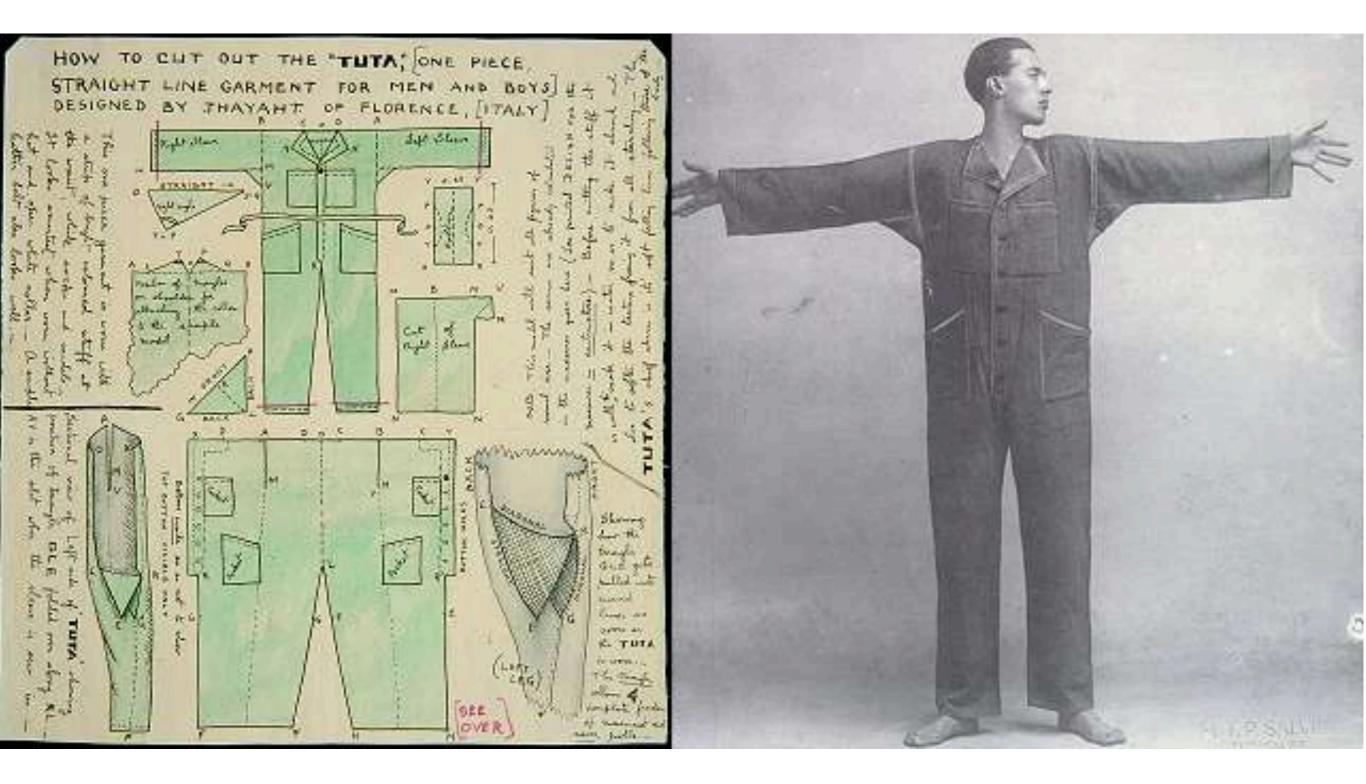
THE FIRST FASHION COLLECTION 3D-PRINTED AT HOME

Danit Peleg

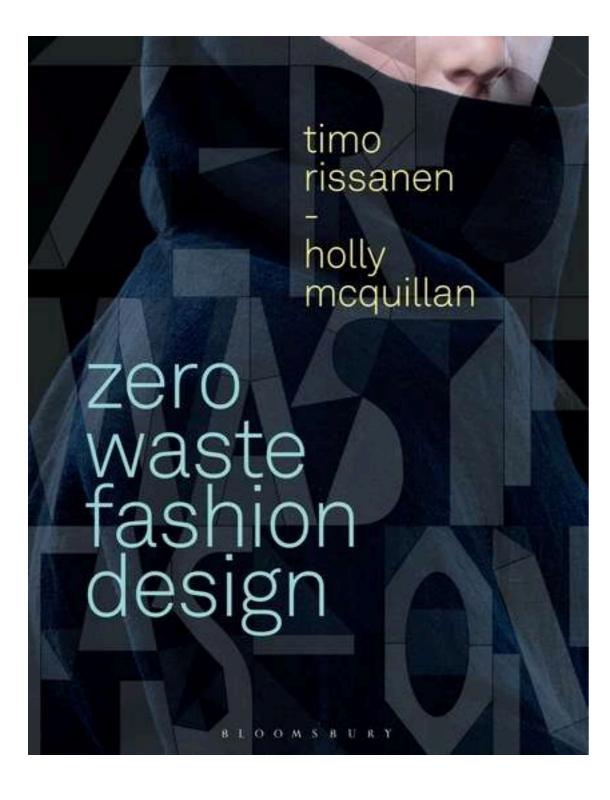
interdisciplinar - horizontal - self-organised

BOTTOM UP INNOVATION

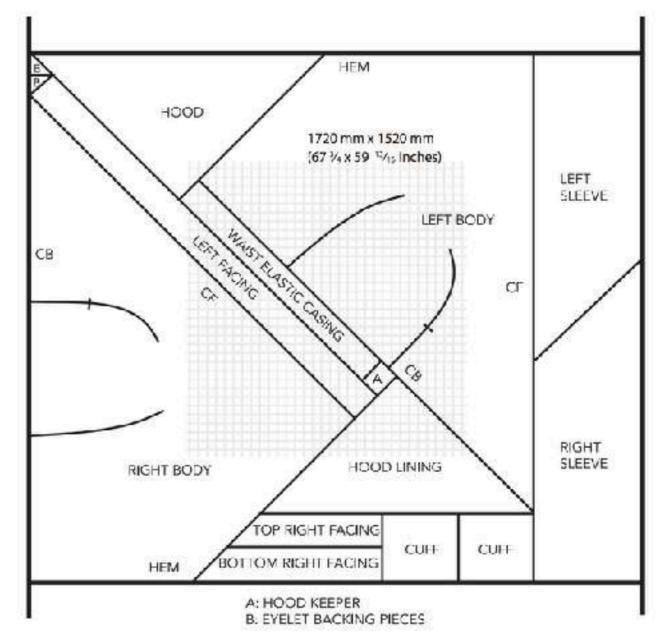
ZERO WASTE



Ernesto Thayhat



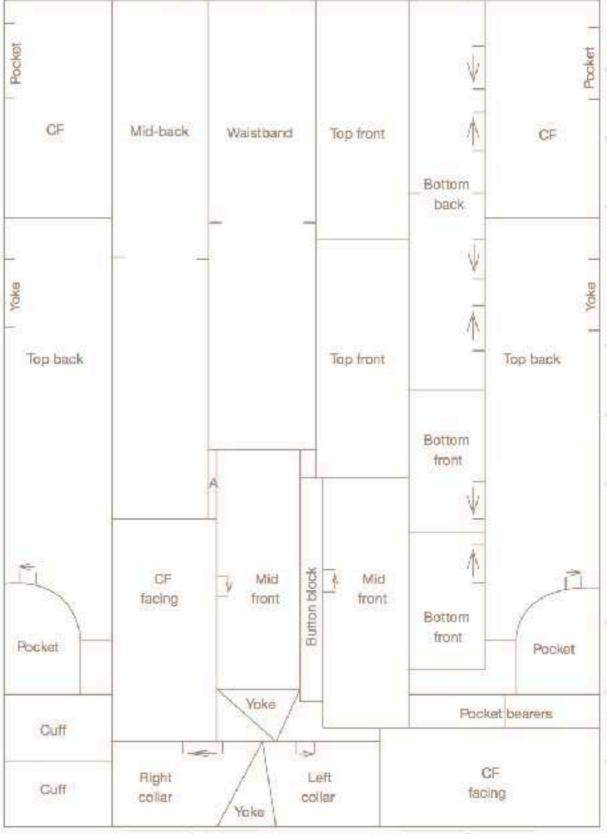
The book offers flexible strategies and easy-to-master zero waste techniques to help you develop your own patterns.



https://www.bloomsbury.com/uk/zero-waste-fashion-design-9781472581983/

https://opus.lib.uts.edu.au/handle/10453/23384





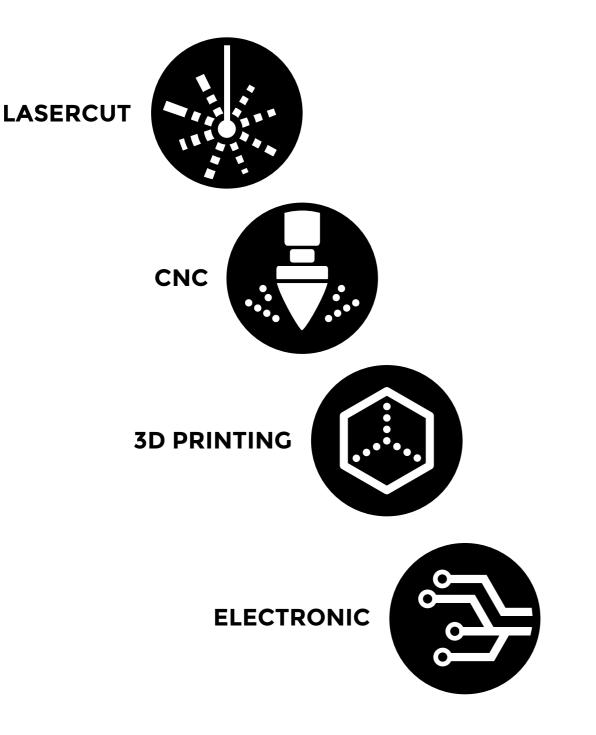
https://timorissanen.wordpress.com/2011/09/08/yield-catalogue-now-available/



FABLABS AND MAKERSPACES A SPACE TO LEARN AND CREATE TOGETHER



NEW FASHION TOOLS



(hacked)

- Sewing machines
- Knitting machines
- Embroidery machines

- Soft Circuits
- Bio Composites
- New materials

TYPES OF OPENNESS

Open source software

(OSS) is computer software with its **source code made available** with a **license** in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose

Open source hardware

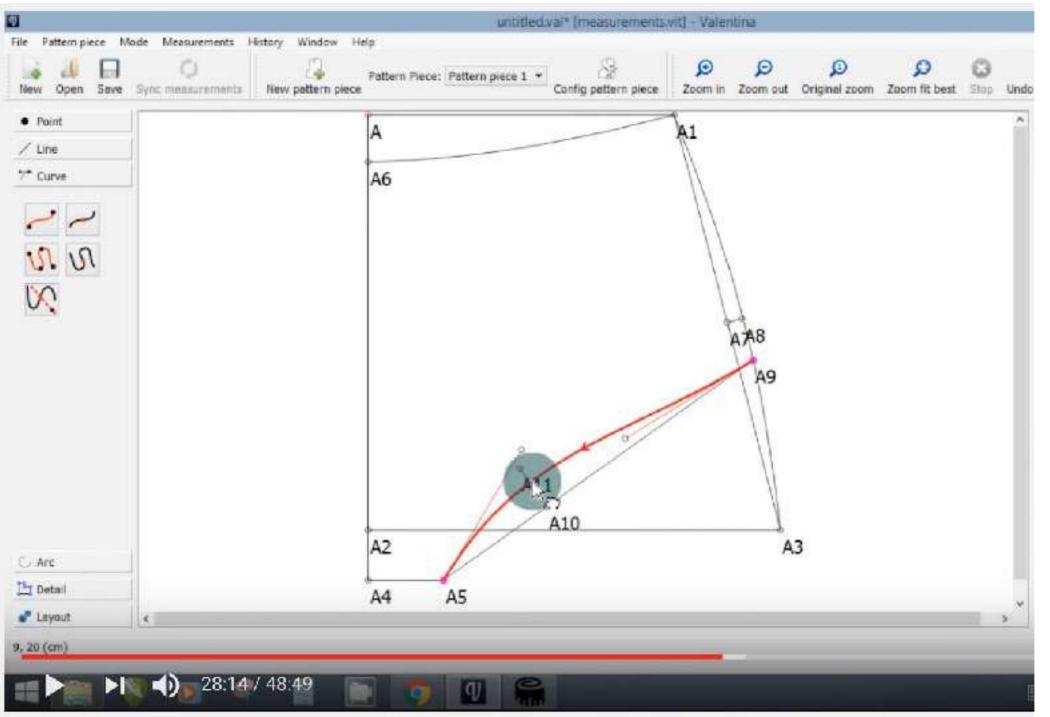
(OSHW) is hardware whose **design is made publicly** available so that anyone can study, modify, distribute, make, and sell the design or hardware based on that design.

Open design is the development of physical products, machines and systems through use of publicly shared design information. Open data is data that distributed in a convenient and modifiable form which can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and sharealike.

OPEN SOURCE SOFTWARES

VALENTINA/Seamly3D

Open source pattern making software



Lack of affordable softwares for pattern making tasks

- Seam allowance
- Truing a dart
- Easy multi-sizing

Ink Stitch

An open source machine embroidery design platform based on inkscape

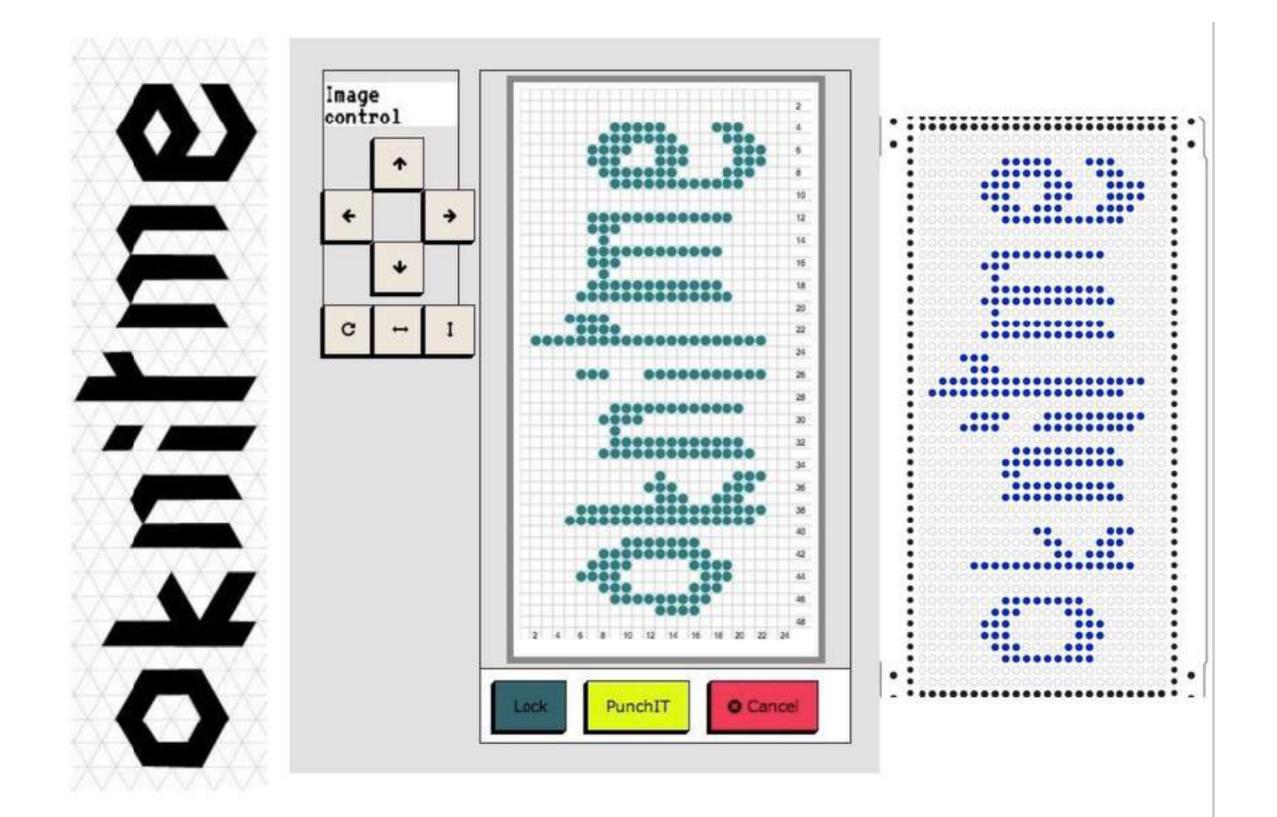


OKNITME

Creating punch card from 2-color images - by Serpica Naro



OKNITME Creating punch card from 2-color imges



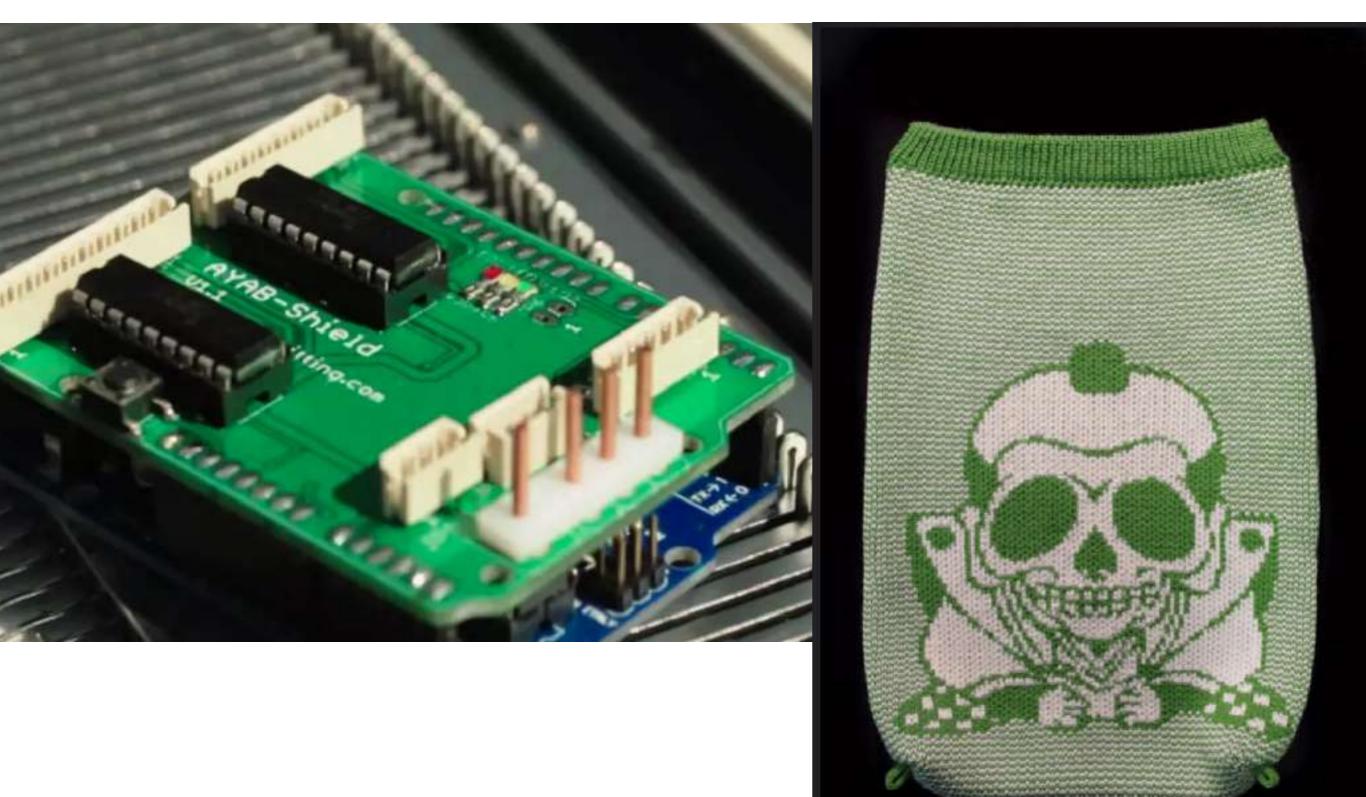
OKNITME

Creating punch card from 2-color images



OPEN SOURCE HARDWARE

AYAB Shield Arduino shield to hack digital knitting machines



Knitted bag by RATATATA - Claudia Scarpa - Made at WeMake

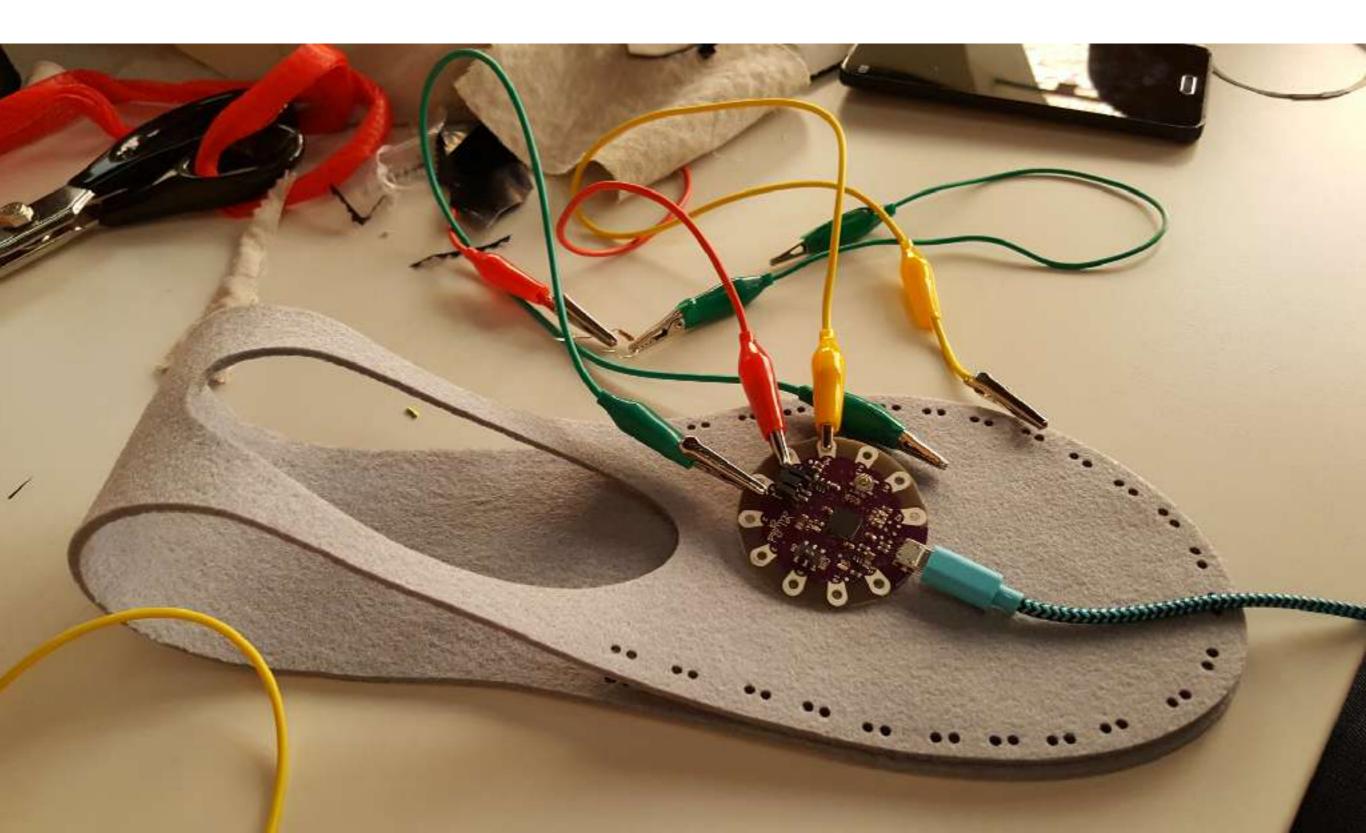
Circular Knitic

Integrating textile manufacturing into the contemporary makers' culture



Smart textiles - Open Design for wearables

Empowering people with wearables and soft circuits



OPEN SOURCE BRANDING

SERPICA NARO



In 2005 the first **open source brand** in fashion created from a hoax during Milan fashion week

THE JOURNAL OF DESIGN STRATEGIES

Alternative Fashion Systems

VOL. 7, NO. 1 | FALL 2014

PARSONS THE NEW SCHOOL FOR DESIGN

http://sds.parsons.edu/designdialogues/?post_type=article&p=634

FROM IDEA TO PRODUCT

Share the code (non commercial use)

Sell the kit

(involve local hubs)

Sell out-of-thebox after a crowdfunding campaign

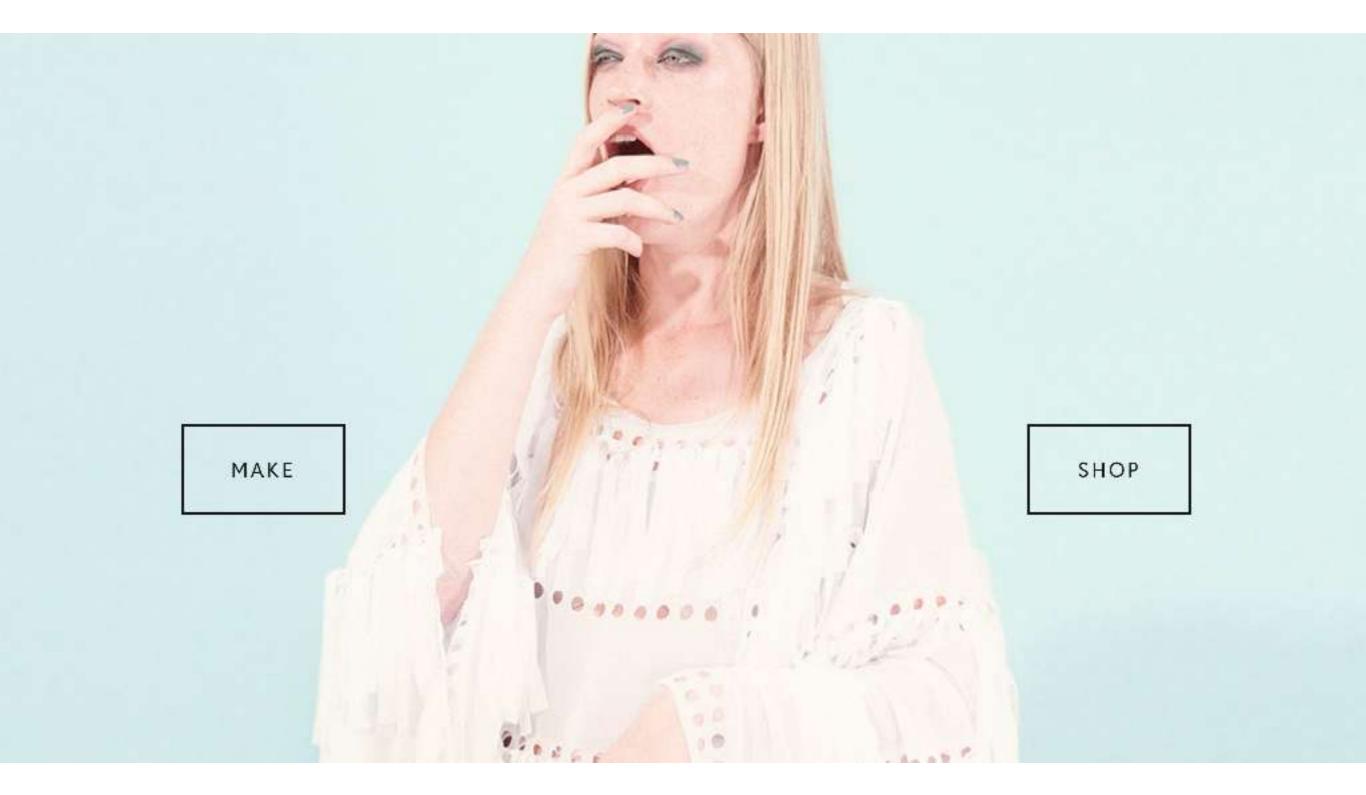
Sell the collection edition

BUILD AN AUDIENCE REACH EARLY ADOPTERS FU

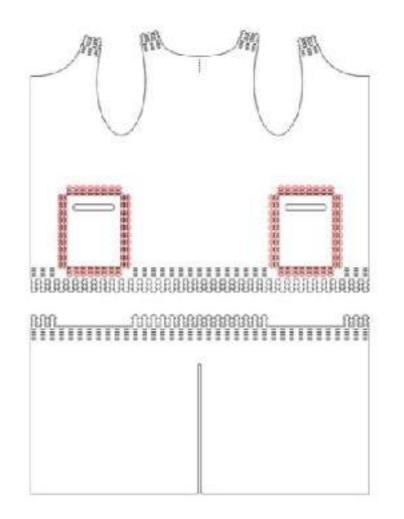
FULLFIL CONSUMERS

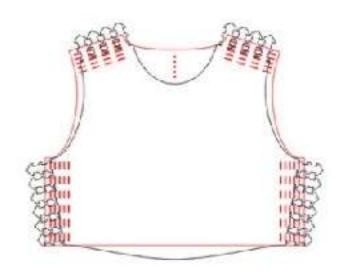
CREATE EXCLUSIVITY

POST-COUTURE



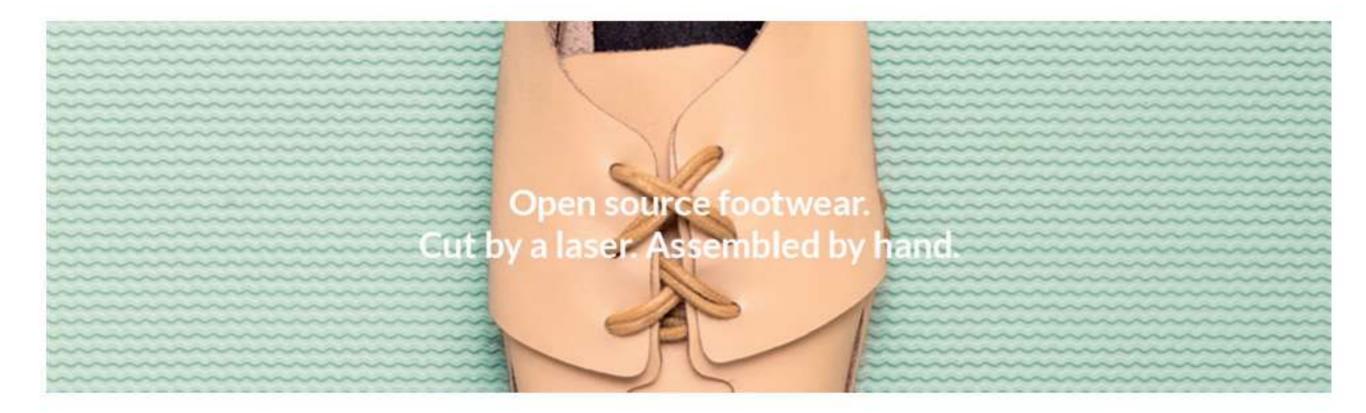
POST-COUTURE





post-couture coat digital design file € 5 post-couture croptop digital design file € 5

ANOTHERSHOE





Download it Yourself



Make it Yourself



Assemble it Yourself



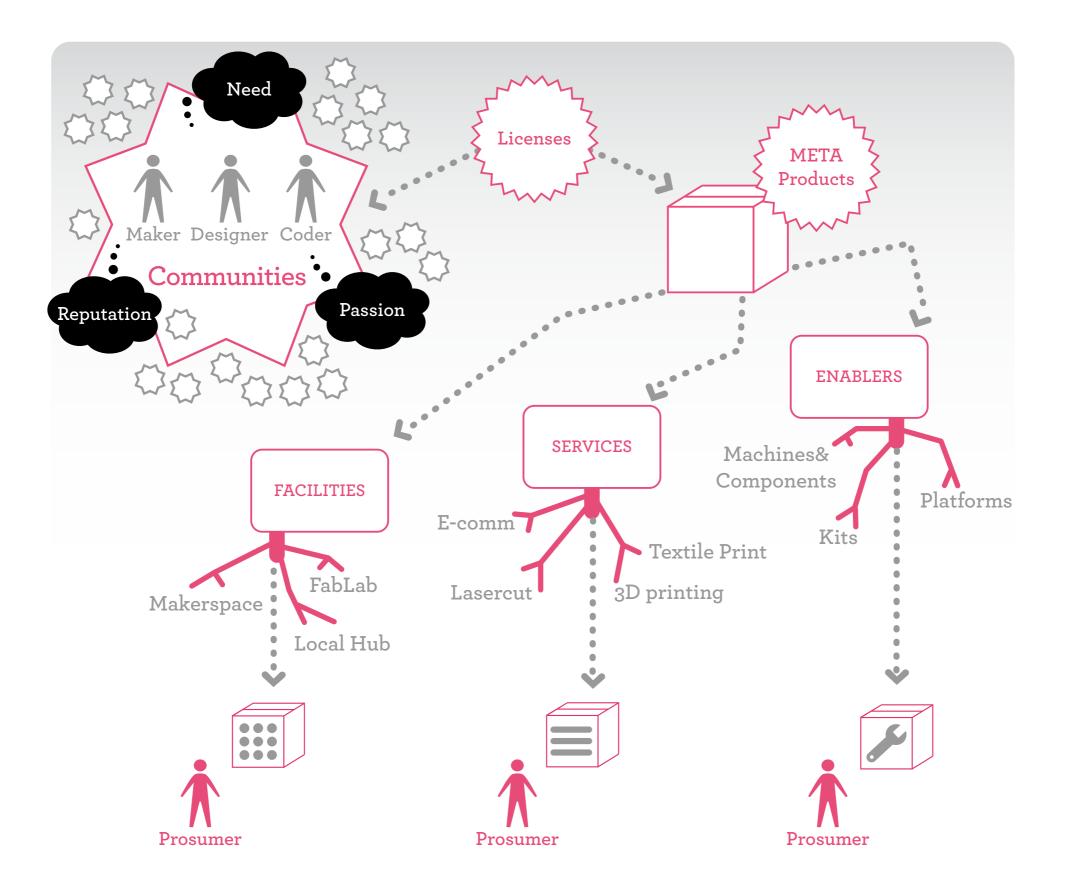
Wear it Yourself

DEADWOOD

more than 30 percent waste while millions of used garments are added to the landfill each year

A NEW ECOSYSTEM OF PRODUCTION NEW SERVICES?

ECOSYSTEM



THE COLOR SOUP

THECOLORSOUP

O, CRAFICHE TESSUTI CIFT GARD BLOG AUTO F 2 CREAT THE RESSURD.





ALTA QUALITÀ **DI STAMPA**



VASTA GAMMA DI TESSUTI

by Mala Strella



MNMOL OF DIN UN SOLO METRO DISTANPA



STAMPA E CONSEGNA IN 6 GIORNI LAVORATIV





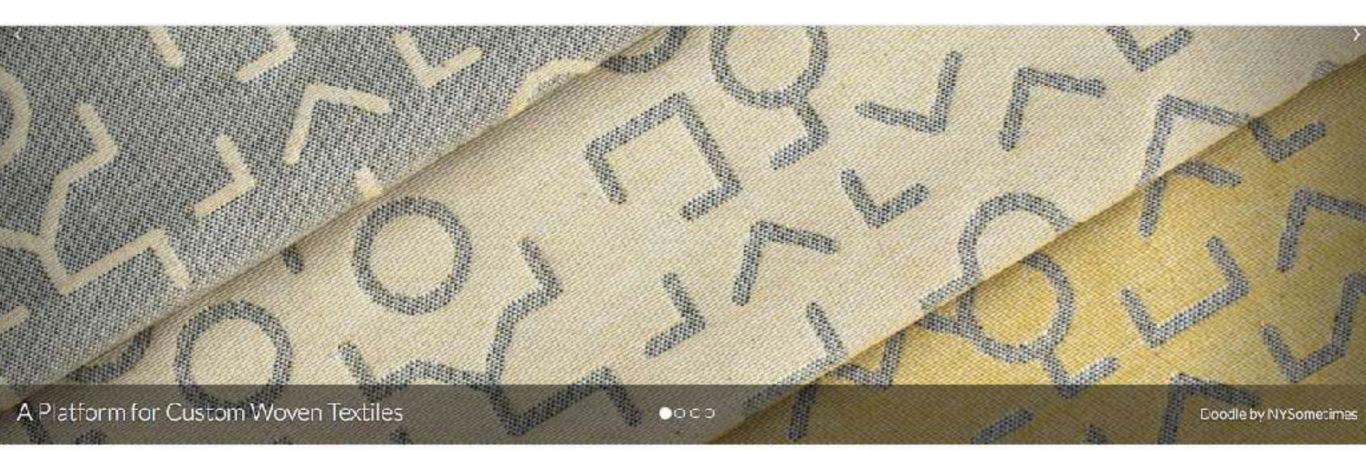


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WOVNS

Wovns platform turns digital designs into on-demand Jacquard fabric



Create Your Own Woven Fabric

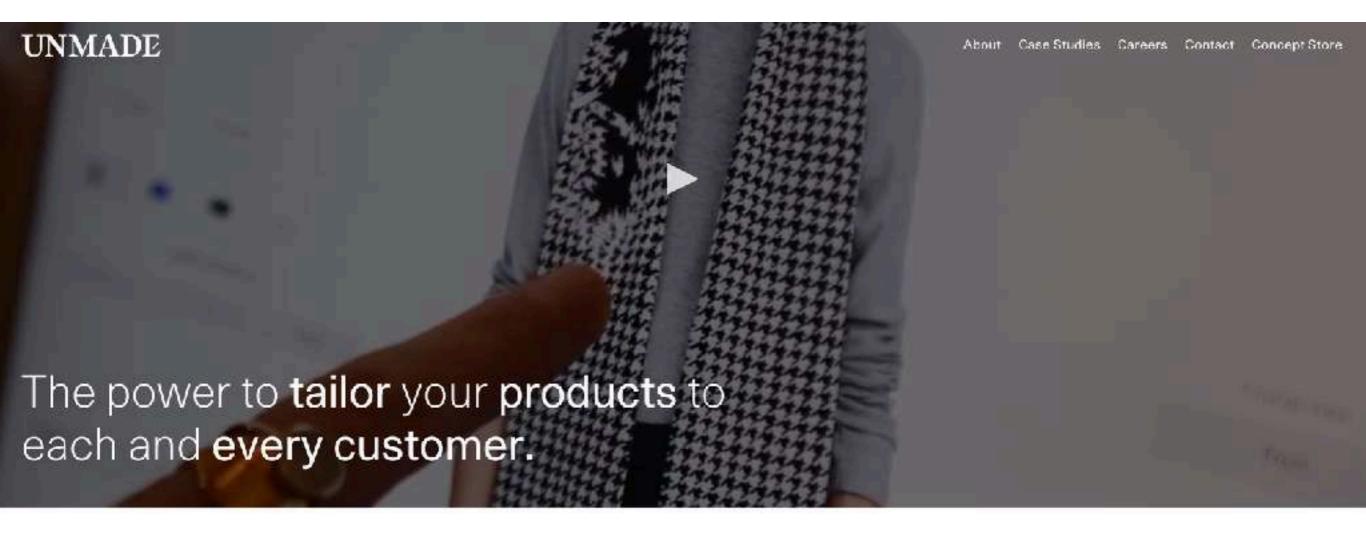






UNMADE

Unmade is a platform for on-demand knitted products



We enable customisable products to be manufactured on an industrial scale.

ALTERNATIVE FASHION MODELS

"AGILE FASHION"

YESTERDAY

TOMORROW

- Product/Closed
- Collection of disposable products
- Series Production
- Shops
- Venture Capital

- Platform/Open
- Catalogue of a few evolving products
- On-demand Production
- Direct selling (online/ offline)
- Crowdfunding

