

Zoe Romano Hacking the Fashion System

@zoescope

Fabricademy 2017



wemake.cc #makerspace #fablab

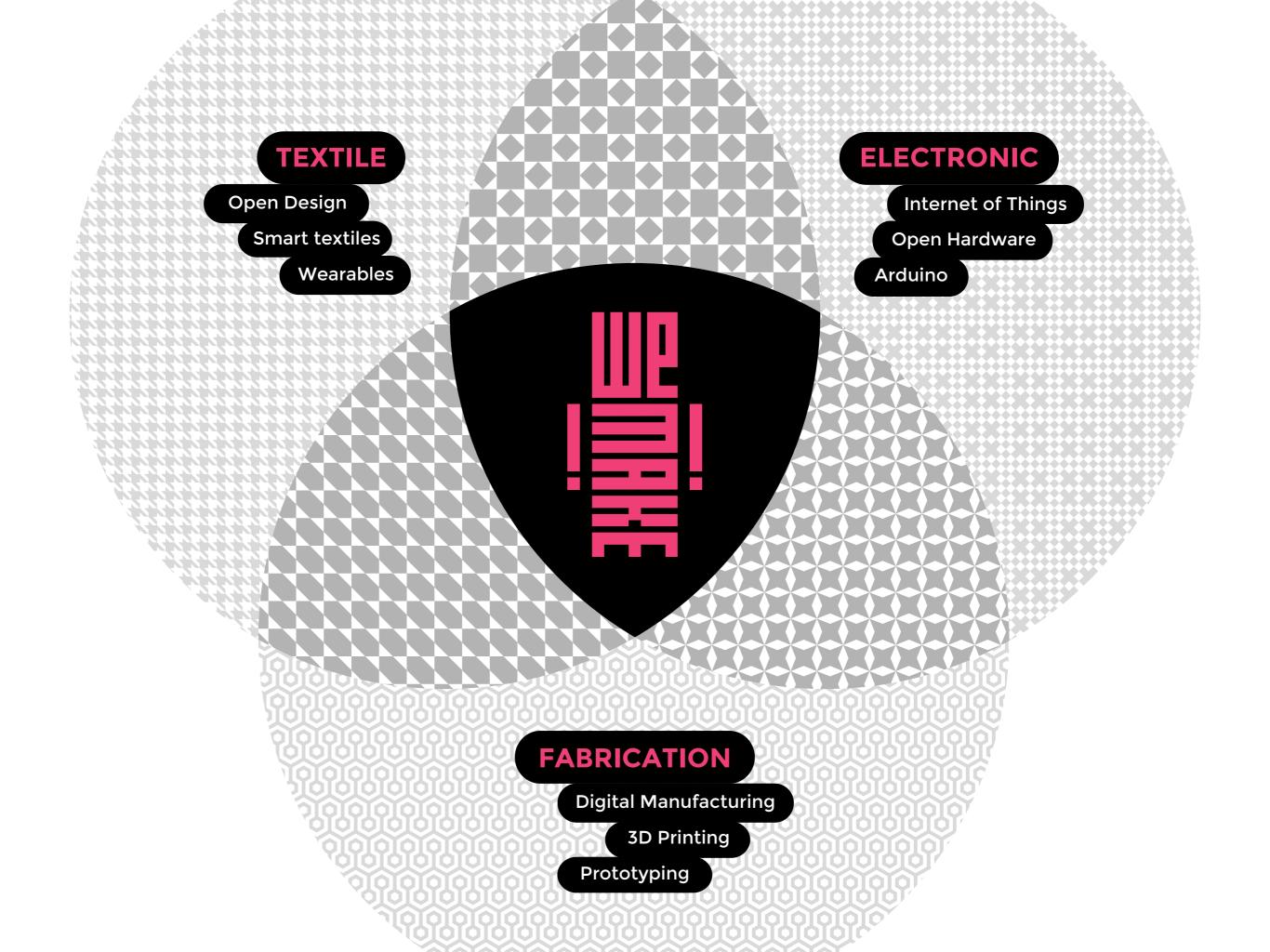


WeMake is a makerspace in Milan providing a series of **services and training** to the creative community of the region in the field of digital and traditional manufacturing.

WeMake is a 250sq/mt urban multifunctional fabled providing open and membership based access to digital fabrication tools.

Clearing the difference between prototype and finished object, we foster the development of a **new model of designer-producer** (maker) and small-scale company by facilitating

- the engineering phase,
- the rapid iteration of design solutions,
- the on-demand production of physical/digital artefacts.

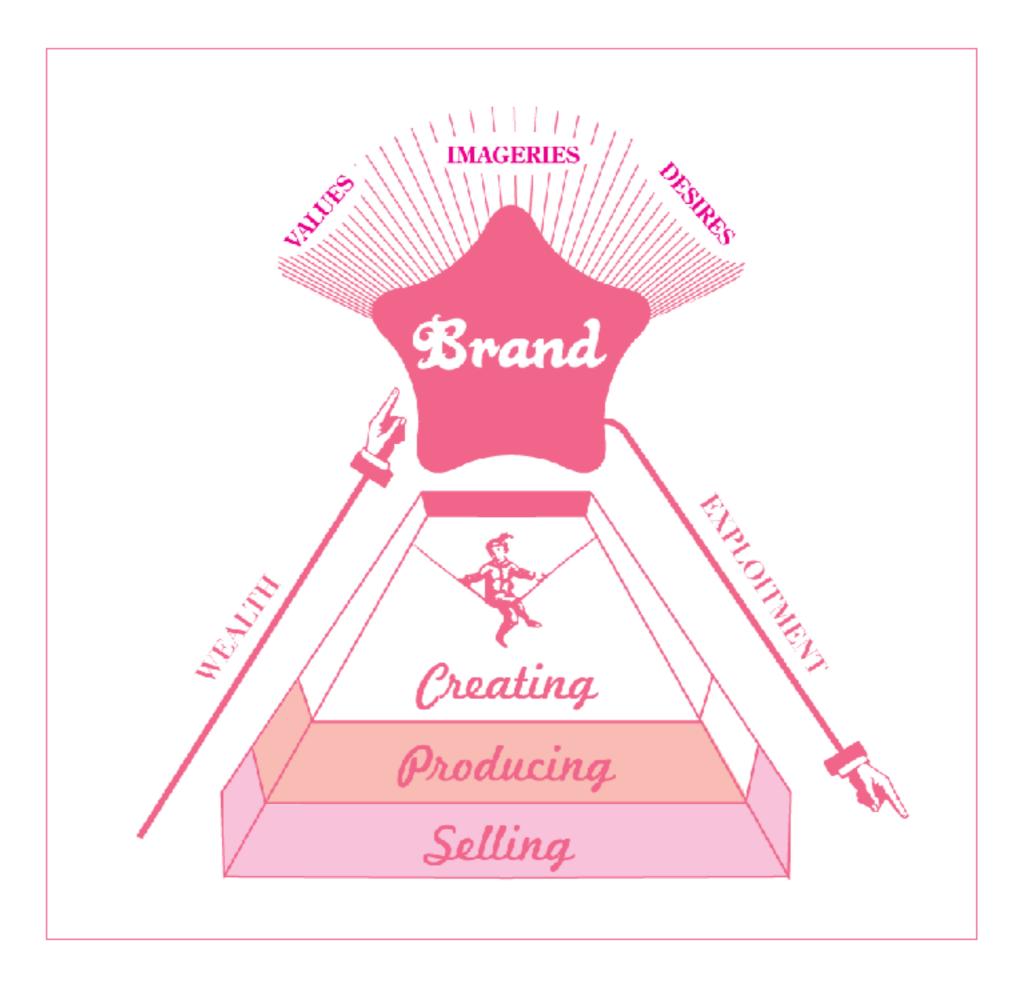


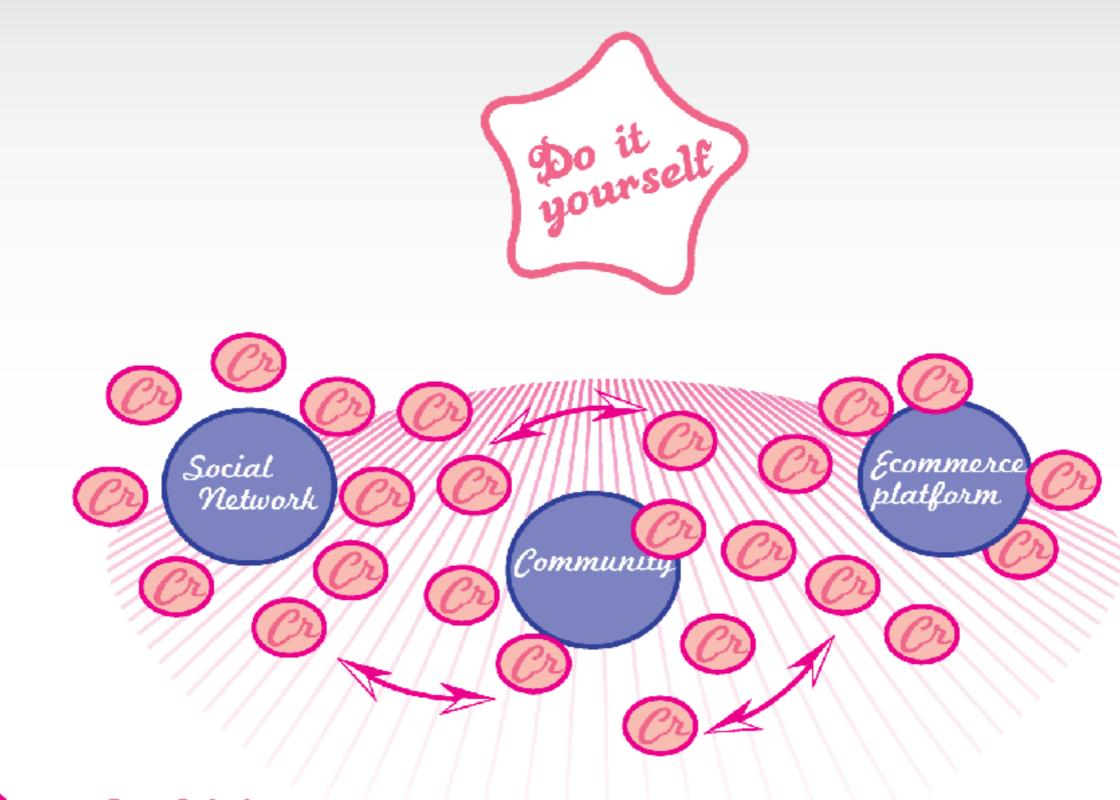


FASHION CONGLOMERATES



http://www.purfe.com.au/who-owns-whom-in-fashion/









From DIY to DIT



WHAT IS CHANGING

EASIER THAN EVER DATA>OBJECTS>DATA

- Modularity
- Flexibility
- Open codes

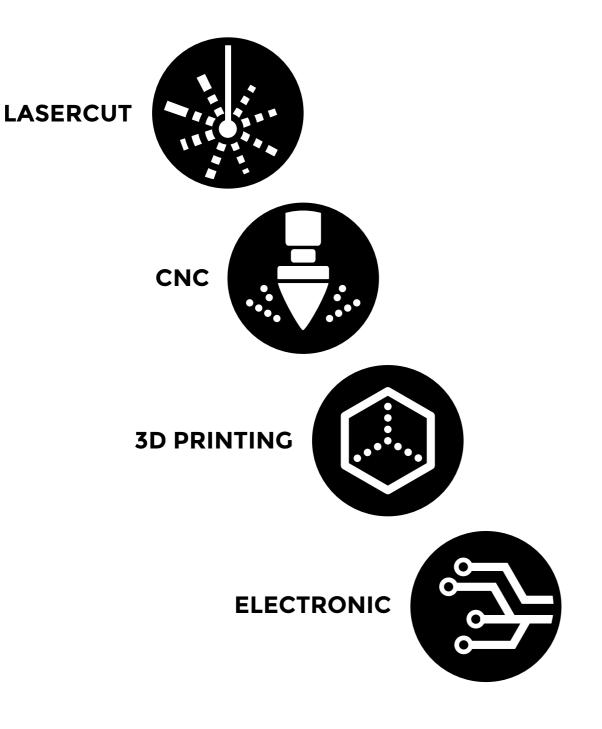
OFTEN THAN EVER BOTTOM UP INNOVATION

- Interdisciplinarity
- Horizontality
- Self-organization



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

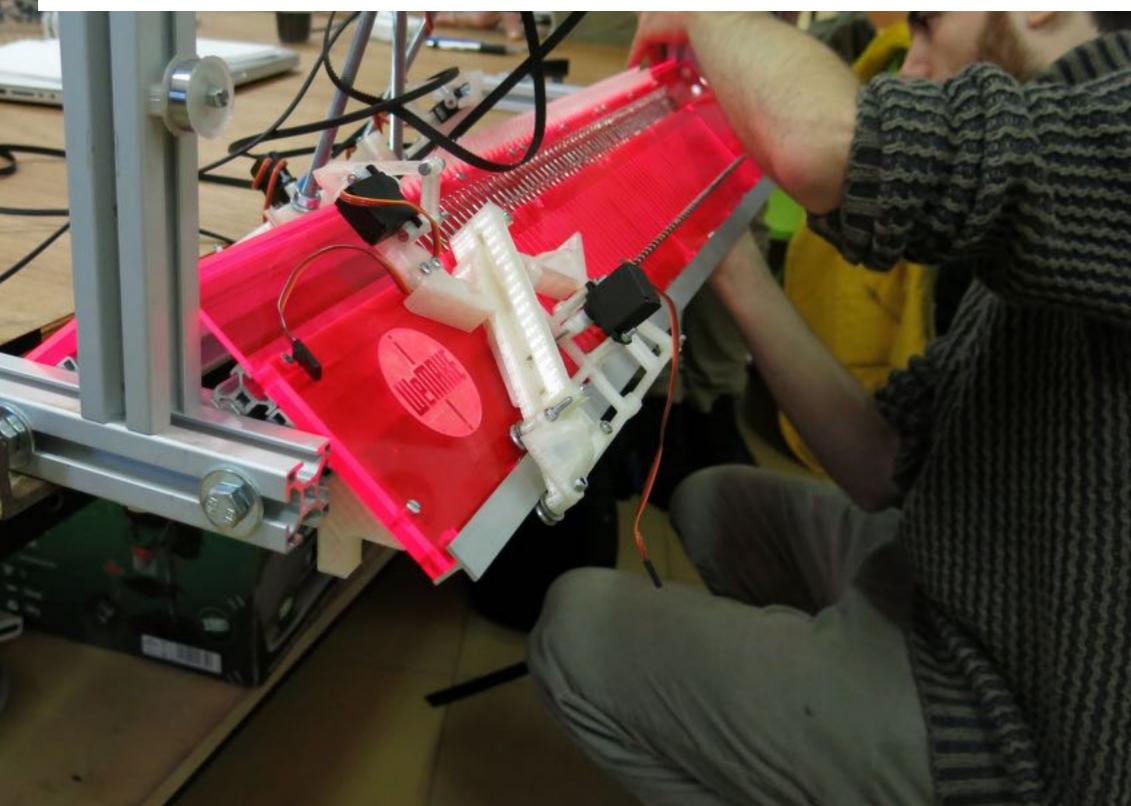
INTELLECTUAL PROPERTY ///> OPENNESS

PRODUCT ///> PLATFORM

FAST ///> SLOW



INTELLECTUAL PROPERTY ///> OPENNESS



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

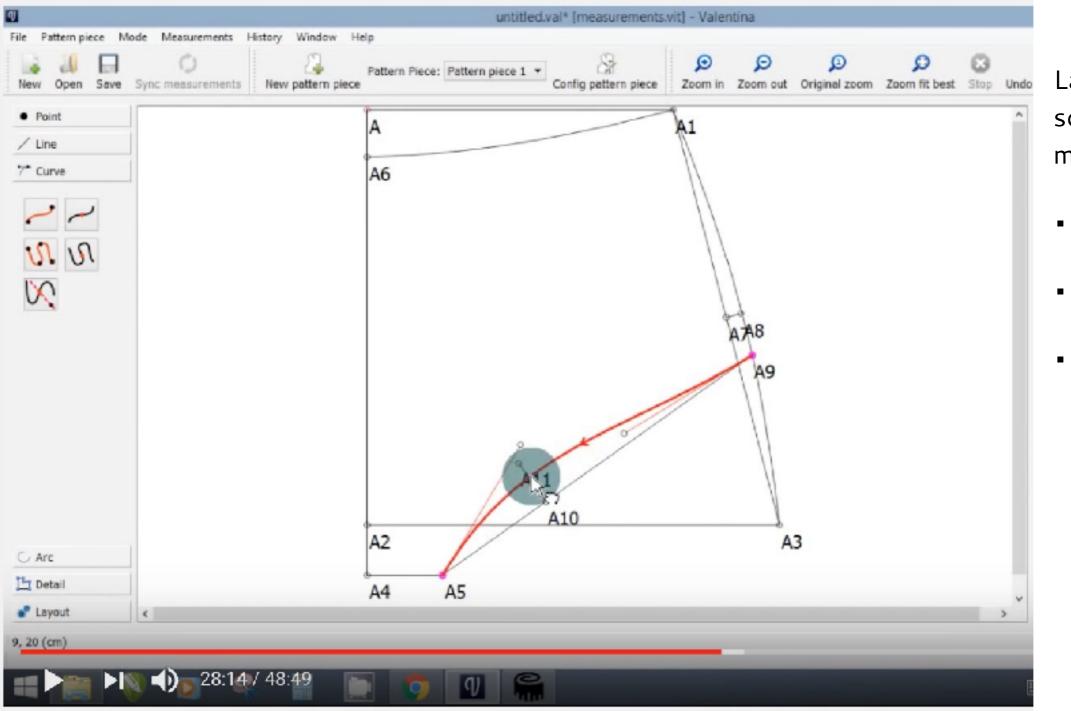
(OSHW) is hardware whose **design is made publicly** available so that anyone can study, modify, distribute, make, and sell the design or hardware based on that design.

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

Open source pattern making software



Lack of affordable softwares for pattern making tasks

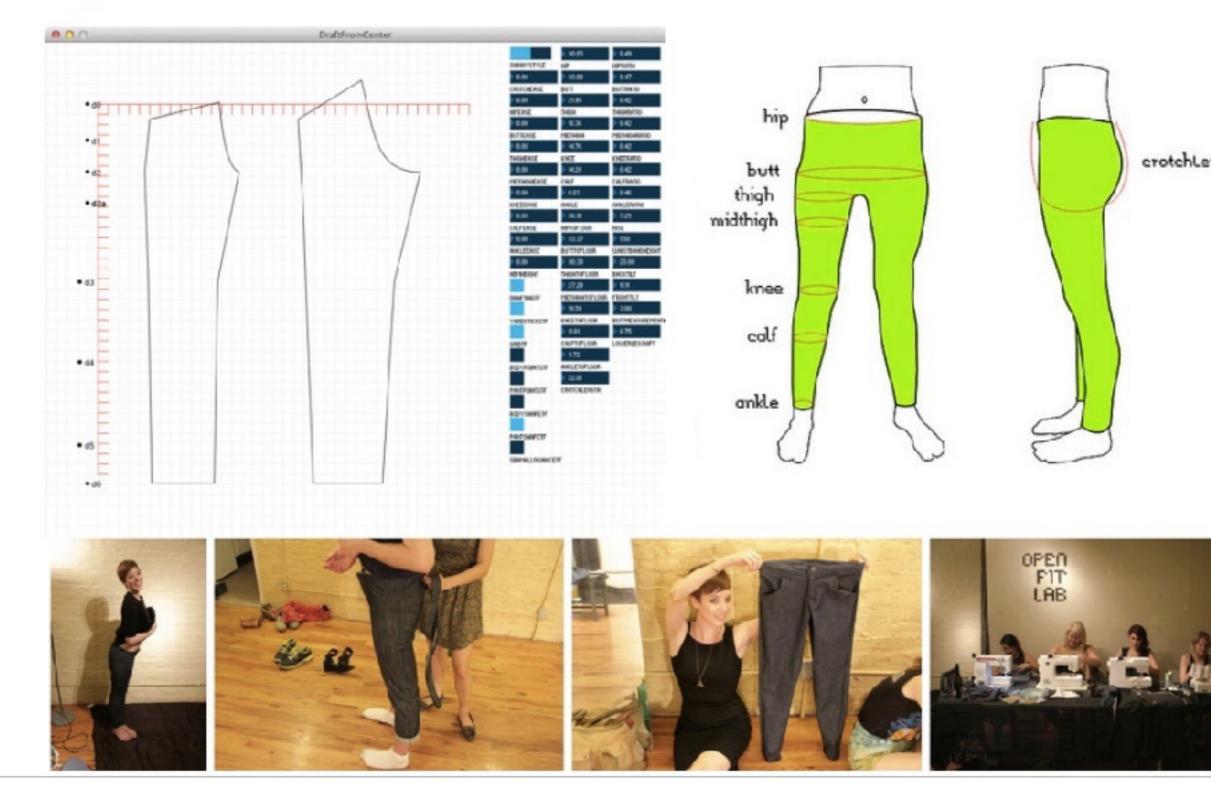
- Seam allowance
- Truing a dart
- Easy multi-sizing

Opensource.com lists Valentina in 2016's top creative FOSS tools

BLENDER Cloth Simulation



OpenFitLab From scanning to trousers

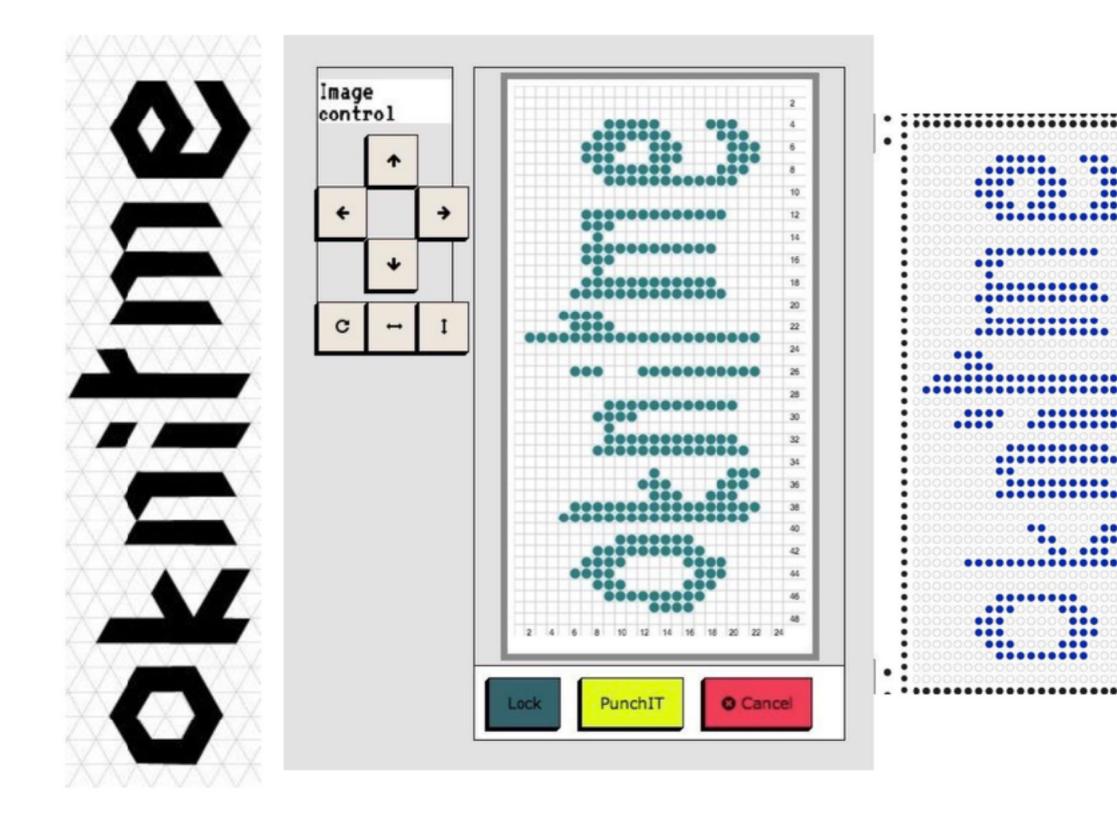


OKNITME

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



OKNITME Creating punch card from 2-color imges



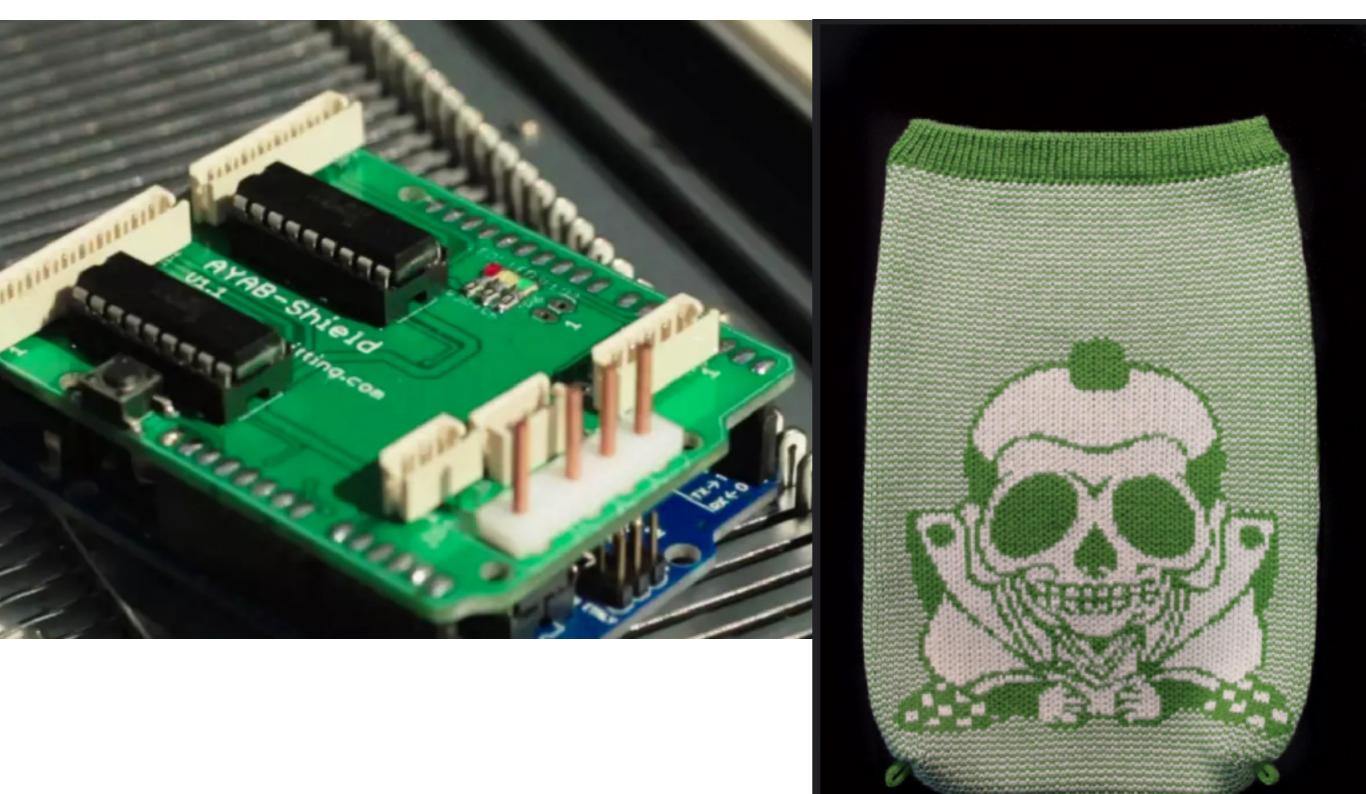
OKNITME

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

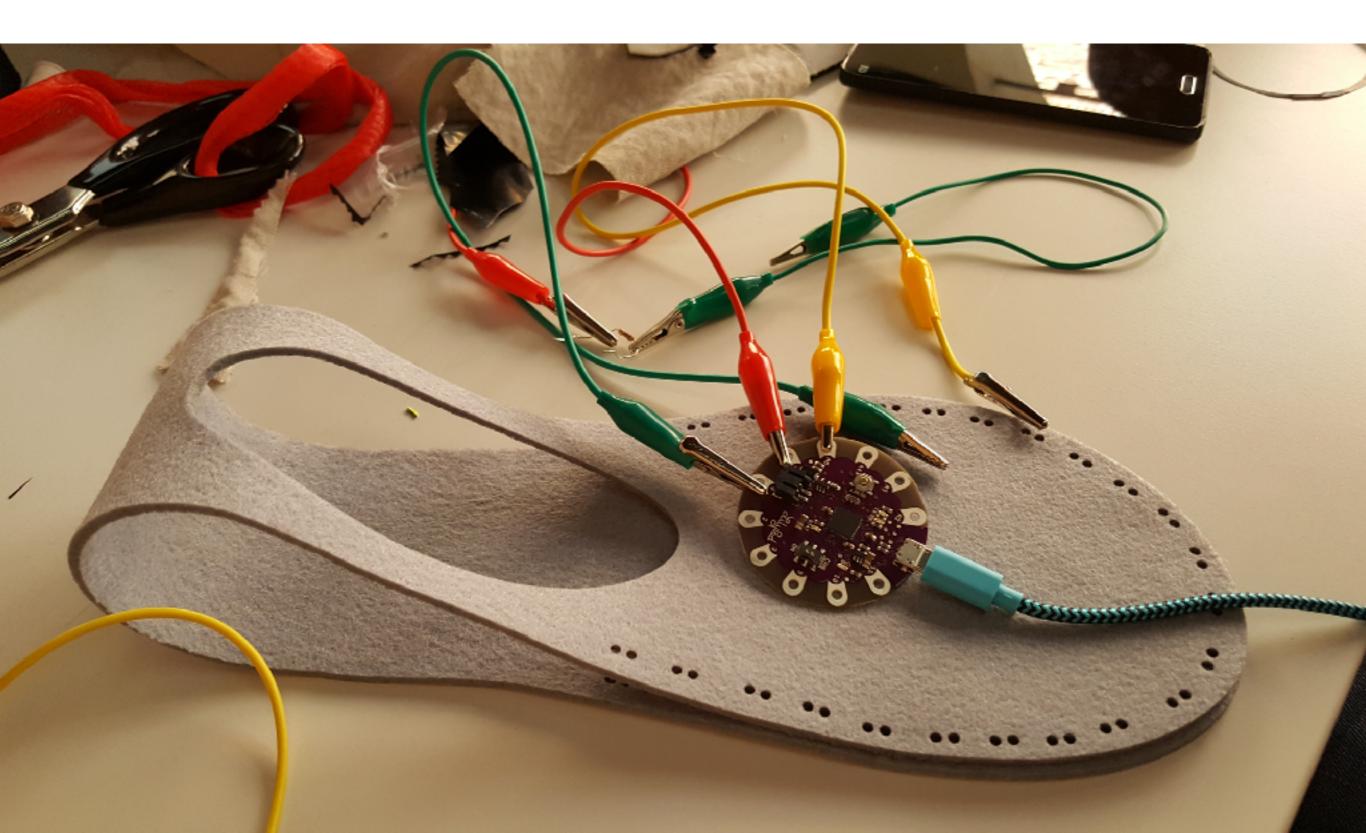
Circular Knitic

Integrating textile manufacturing into the contemporary makers' culture

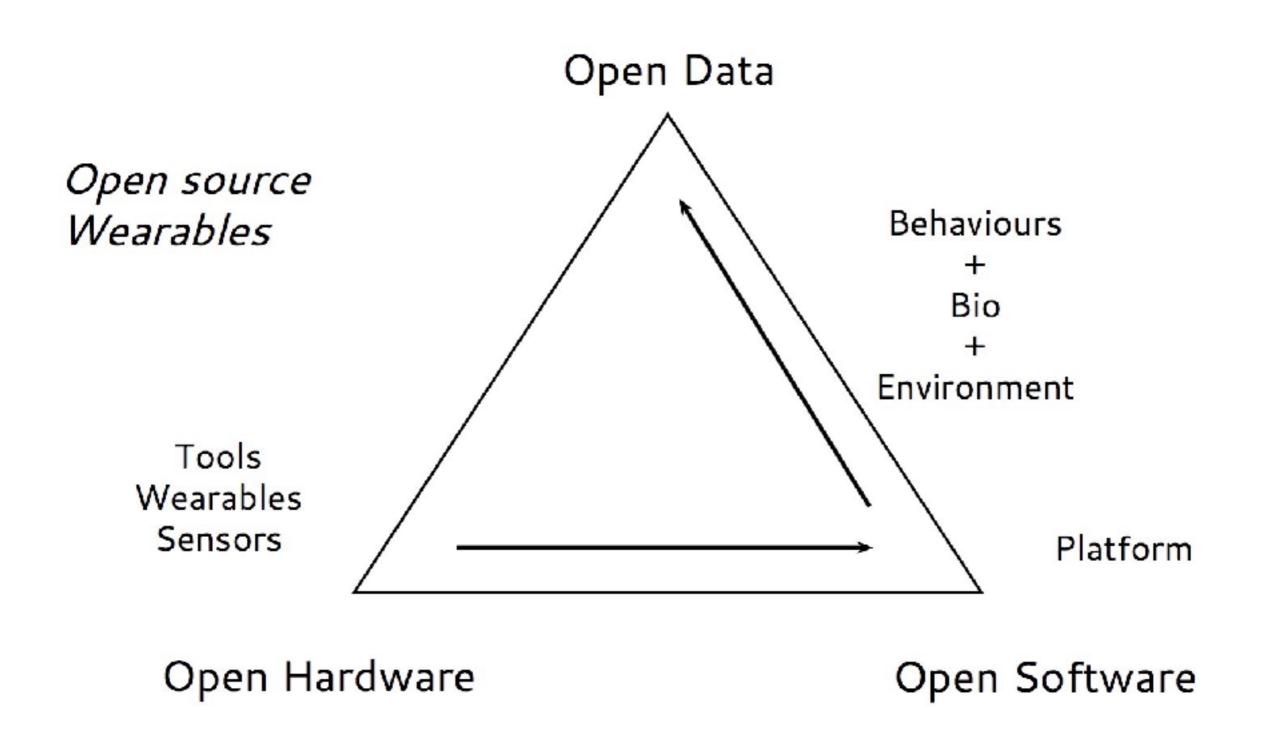


Smart textiles - Open Design for wearables

Empowering people with wearables and soft circuits



INTERDISCIPLINARY APPROACH



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

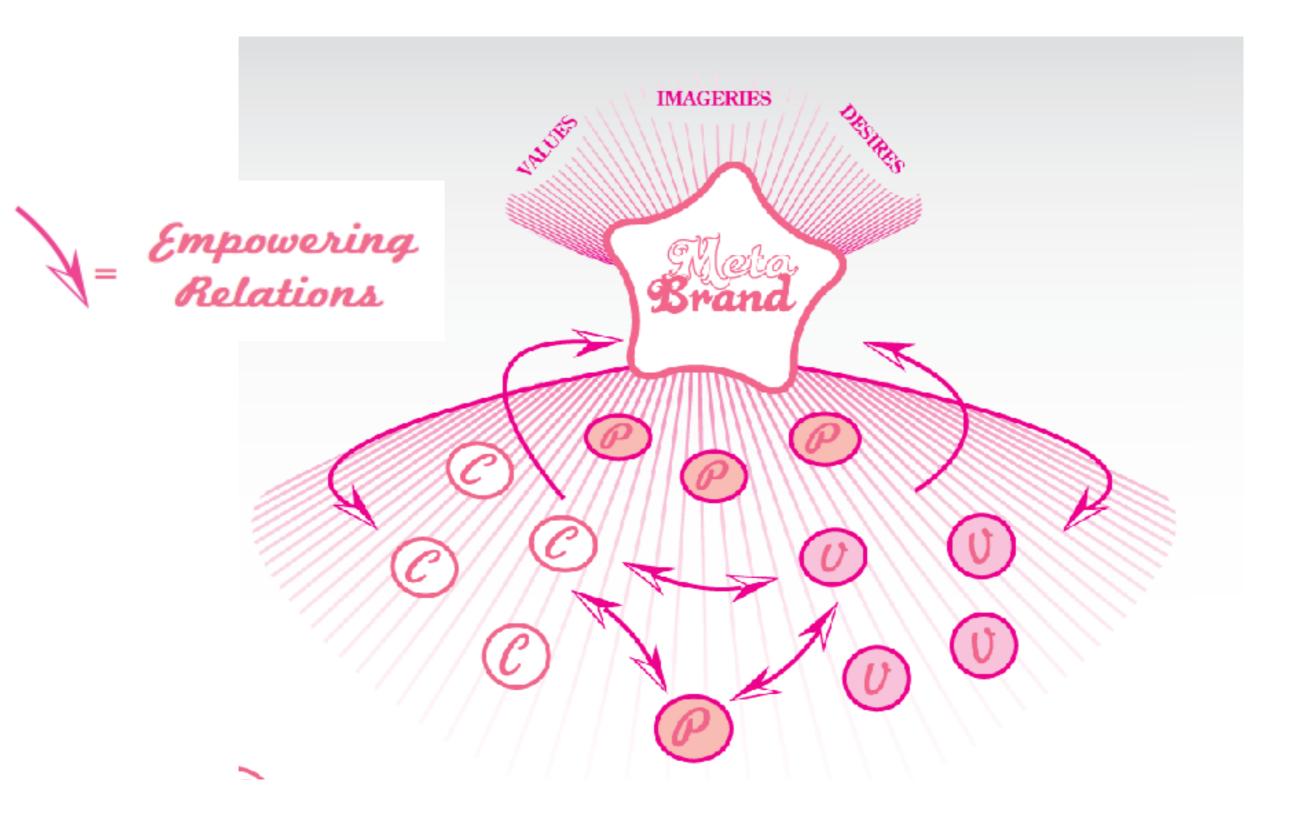
PARSONS THE NEW SCHOOL FOR DESIGN

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



OPENWEAR

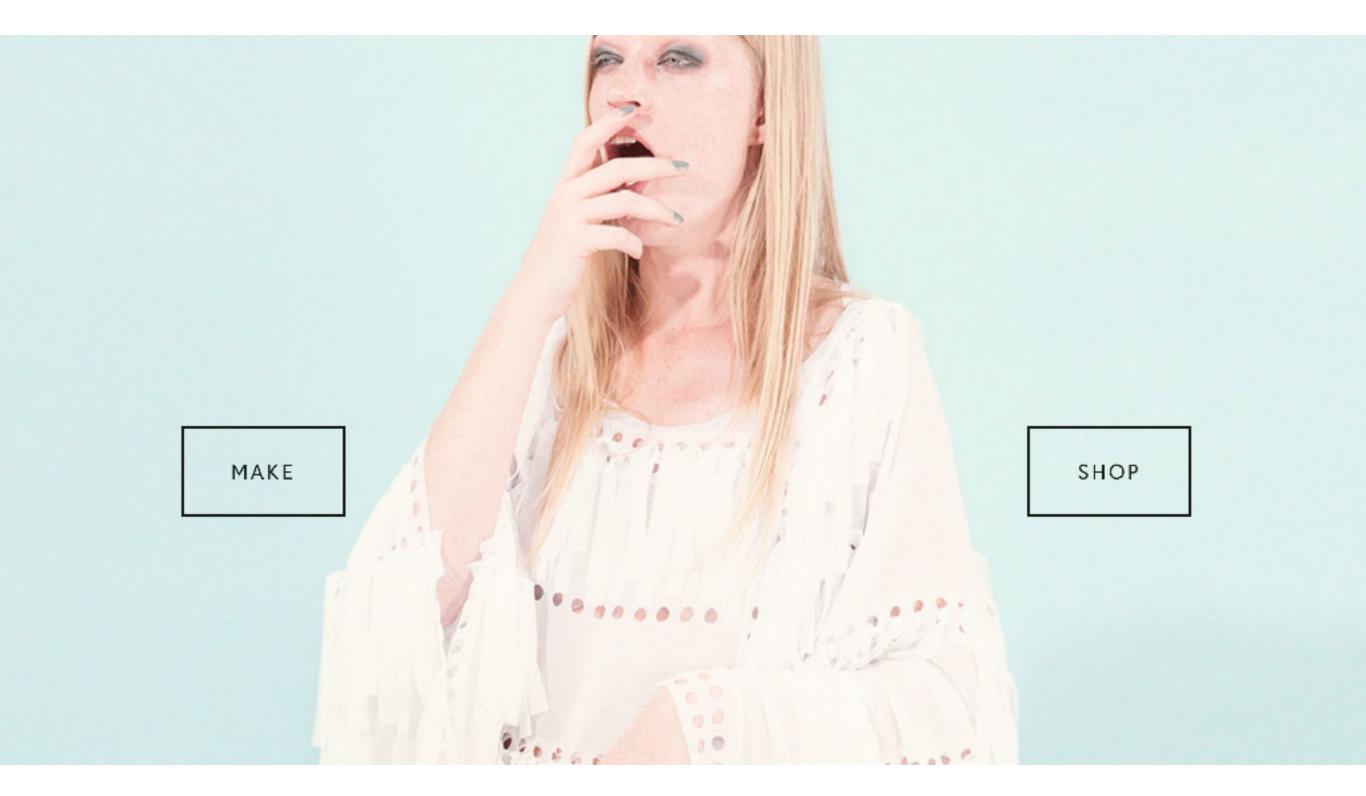
- A collaborative community around fashion production
 - A series of Collaborative collection with an open-source brand
- Prototypes freely downloadable which members can produce and sell, benefiting from the social innovation created within the community.



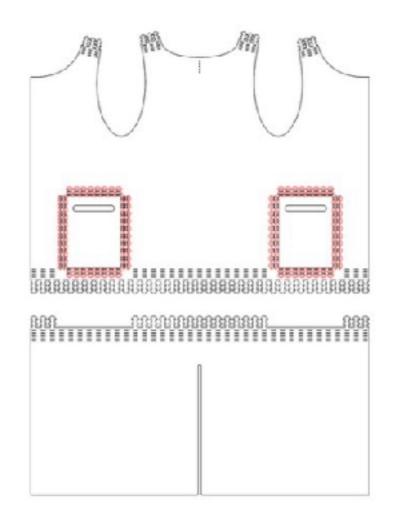
A brand made o **empower a network of small producers** and promote a different kind of fashion based on collaboration, sharing, short supply chain and else.

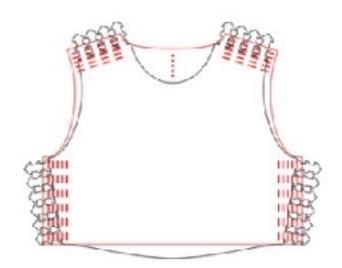
PRODUCT / PLATFORM

POST-COUTURE



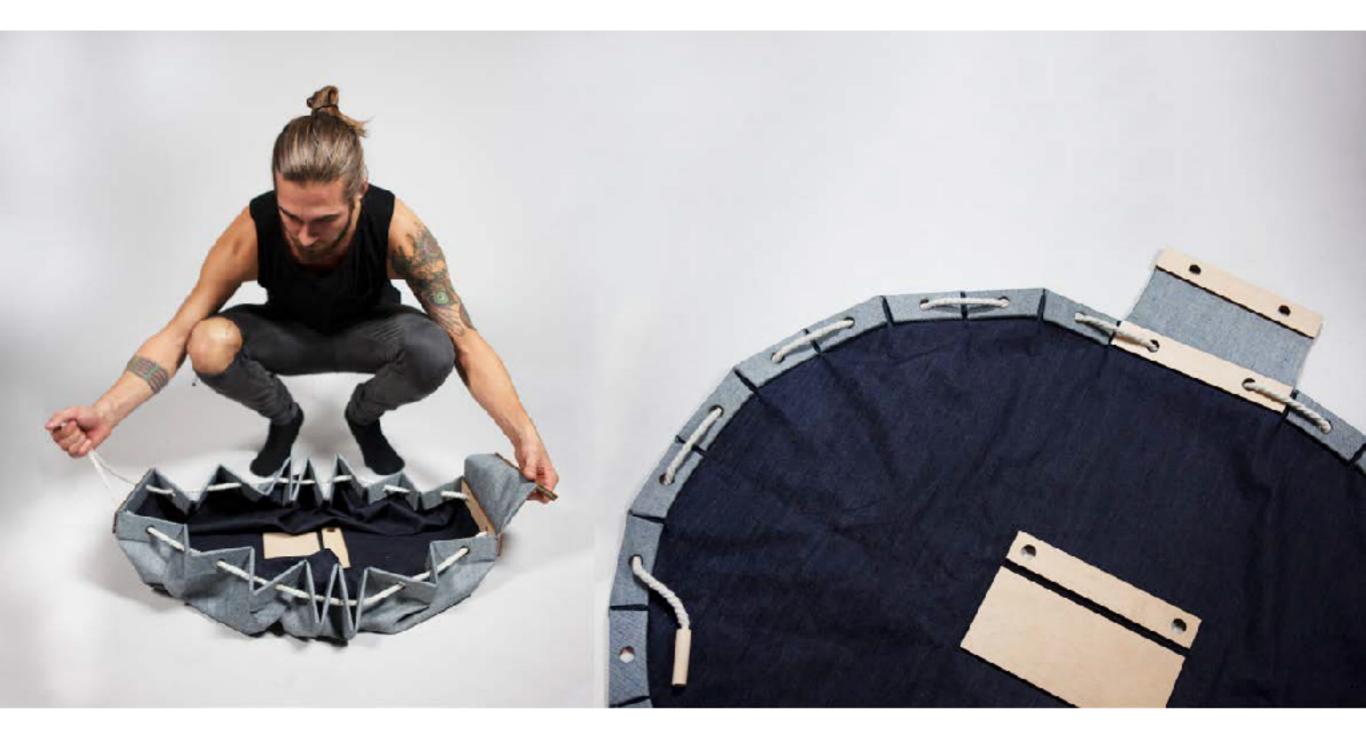
POST-COUTURE



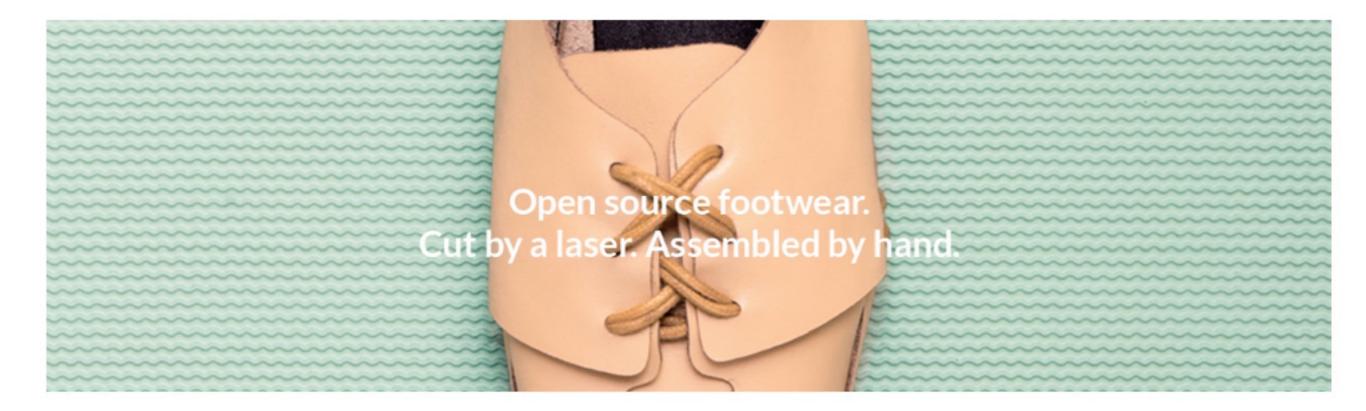


post-couture coat digital design file € 5 post-couture croptop digital design file € 5

TASKA



ANOTHERSHOE









Assemble it Yourself

Wear it Yourself

Download it Yourself

Make it Yourself

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 FULLFIL CONSUMERS

CREATE EXCLUSIVITY

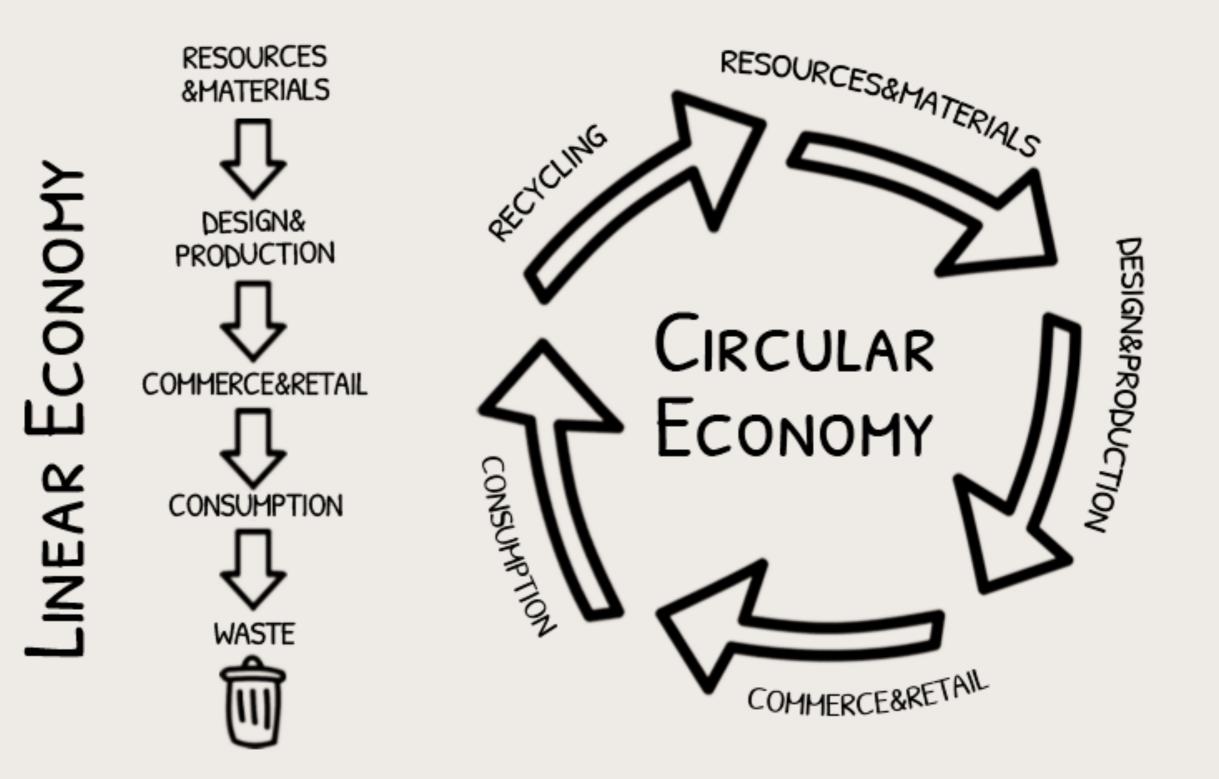
FAST ///> SLOW



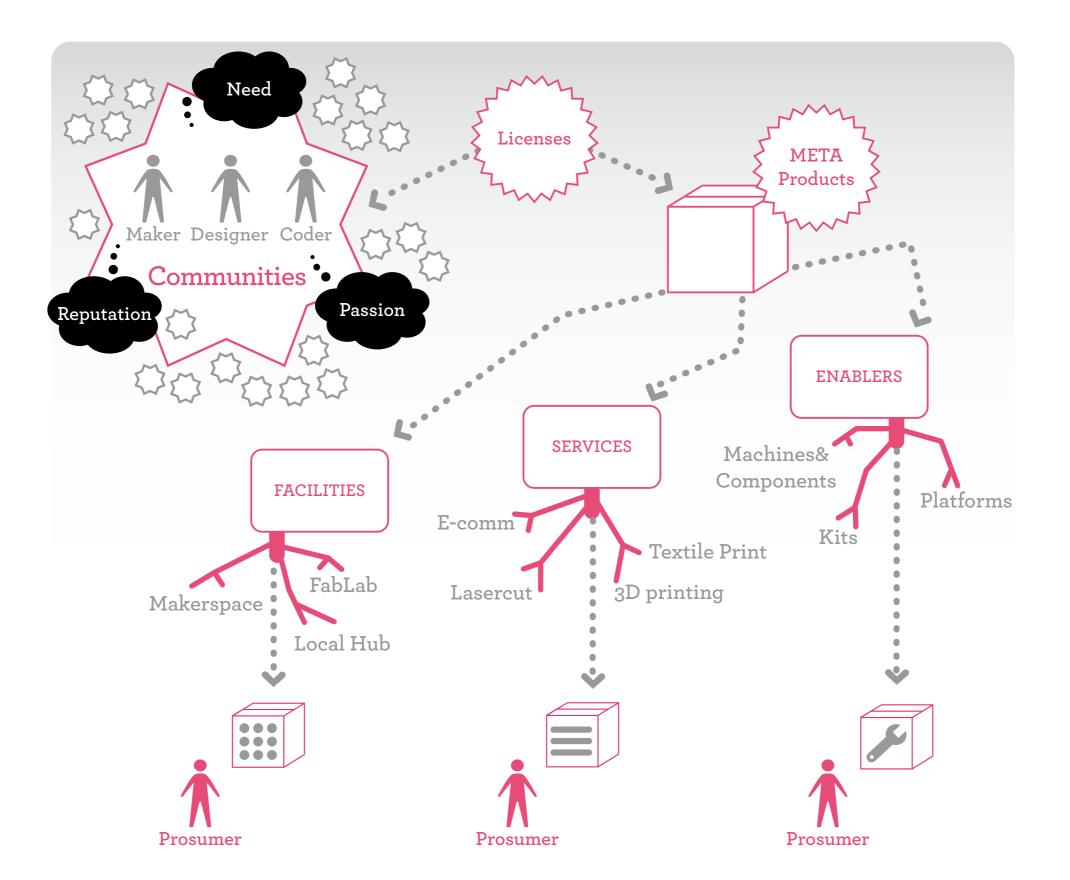
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Salados and a service and a

CIRCULAR ECONOMY



ECOSYSTEM



EXPERIMENTING 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

