A good open hardware project creates an ecosystem. It works like a platform where a variety of actors meet and become productive. It opens up action spaces and business opportunities. It creates synergies between the different actors and allows everyone to do things that would otherwise not be possible or not so easy.

os modular fashion
finding alternative production methods for clothing

Open
- OpenElements

Buttons — digital files in editable form
Garments — in editable form
Material — as a list of suggestions
Building Instructions — the setting of machine, like power of laser cutting and so on

Ecosystem
- Actors & Activities around it

User — assemble the garments as DIY;
Reuse and remix their clothes; resell just parts
Designer — creating new design of patterns also the button ideas
Resellers — can sell the patterns ideas and manufactured buttons
Manufactures — produce patterns and buttons
Remanufacture — can use the button even the pieces of the old one

Channels
- Virtual & Physical channels for exchange in the ecosystem

Online shop — to order garments, buttons and patterns
Social media — to share the ideas about the different
Usage of buttons
Forum, platforms of any websites — get inspiration about the
Open source substainale fashion
Local fablab — to share knowledge and also make parts

Business Model
- How does the system sustain itself?

We offer the service to manufacture buttons and garments for our customers.

Over the past few years, the clothing has been treated more and more like a disposable product, so that the clothing industry is facing a big substainability problem.
My project creates an alternative. In my vision clothing is designed modular and open to enable reuse, remixing and recycling. The design of the buttons and garments is shared online in editable format to enable users to adapt it to their wishes. Manufactured with modern technology like lasercutting the design can be produced at a location near the user or simply be ordered online. Openly available simple instructions allow to users to customize the clothing without prior knowledge for example to remix it when they don't need or like the clothing anymore.

https://drive.google.com/drive/u/0/folders/12y_QBMtdAo8n-MKyuyVLh0f2tQjC9H9Bs

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