WE ARE IN THE BUSINESS OF MAKING SUSTAINABLE IMPACT WITH OPEN HARDWARE

GO!Commons
& open source things

ABOUT GO!COMMONS

we are a group of sustainability and open source advocates commited to sustainable impact. we lead an open community that uses best practices on the cloud, combining open circular design, entrepeneurship and collaborative business models to achieve our goals.

JANNES NELISSEN During my studies Industrial Design Engineering I changed my perspective from loving to build and create to realizing that I want to make socially sound and environmentally sustainable products. With 5 years of experience in research and design for the circular economy, I am now a junior lecturer Circular Product Design at the TU Delft and freelance design engineer with special interest in production and consumption in the circular economy.

VINAY BHAJANTRI I am a design engineer with a foundation in mechanical engineering and product design. I have worked on socially oriented technological products in India, Uganda and Kenya mainly centered around automation. Currently I work part time as a design engineer developing automation equipments for healthcare industries. I believe in order to have a sustainable development the know-how needs to be passed on to following generations which is possible with open practices.

EMMANOUIL KARAMOUSADAKIS I am a Greek farmer, entrepeneur and maker. I started my own farm where I design and build everything from scratch. I have worked in almost every position in the residential construction field. I am self taught on CAD design and I spend my free time researching and learning whatever is needed in order to move my farm forward, including making my own water well, and constructing a 100' x 30' greenhouse that can stand the snowy Maine.

JOSE CARLOS URRA I am Cuban industrial designer and entrepreneur. I worked in Cuba for 4 years as an industrial designer in a High Tech Company focused on Neurological equipment and solutions. I did a second master at TU Delft, in industrial design, awarded with the International Excellence Scholarship. Worked for a year as an Interaction Designer, and volunteered also in Open Source Hardware Projects together with Emmanouil.

GO!COMMONS OPEN BUSINESS MODEL AND VALUE PROPOSITION

PROBLEMS

1. Lack of awarenes and understanding about how open source can solve contemporary global challenges and address the sustainable development goals agenda.

2. A dominant model of technological development that is exclusive, source closed, linear, not distributed and doesn't allow users, as well as citizens to particpate and give feedback.

3. Limited examples of succesfull and viable open hardware business models in the domain of industrial and consumer goods.

current solutions

There are important initiatives like Open Source Ecology, Precious Plastics,

SOLUTIONS

1. Teach people through collaborative and open source best practices how to address sustainability challenges. We use the potential of universities as hubsfor social innovation.

2. Provide an alternative way of developing technology in a more open, circular economy oriented, socialized and collaborative way.

3. Develop a succesfull around enterprise an open hardware industrial machine, that showcases how open hardware can become a major sustainability factor.

key metrics

- Number of available commercial and replicable open hardware products.
. Community growth rates (people joining GO!Commons)
. Growth of donator and investment partners.
. Number of initiatives that are part of GO!Commons Association.

VALUE PROPOSITION

We collaboratively develop and distribute open hardware solutions with a focus on sustainable development, circular economy and economic empowerment.
see to our projects

Stepping stone product: CNC steel cutting machine.
Demo: a tractor implement made with the CNC machine.

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high level concept

We are capacity builders. Our model allows many to join our community and create new open hardware projects, allowing them to also become business partners. Our inclusive model allows many to start new businesses with our designs, by taking advantage of our collaborative workflow, tools and best practices.

ADVANTAGE

1. Reciprocity oriented lincense model, that protects the resources we create as well as the community.

2. Our collaborative workflow and workstyle.

3. Our win-win business model for community members and partners.

CHANNELS

Website,
Github,
Licenses,
Workshops

CUSTOMERS

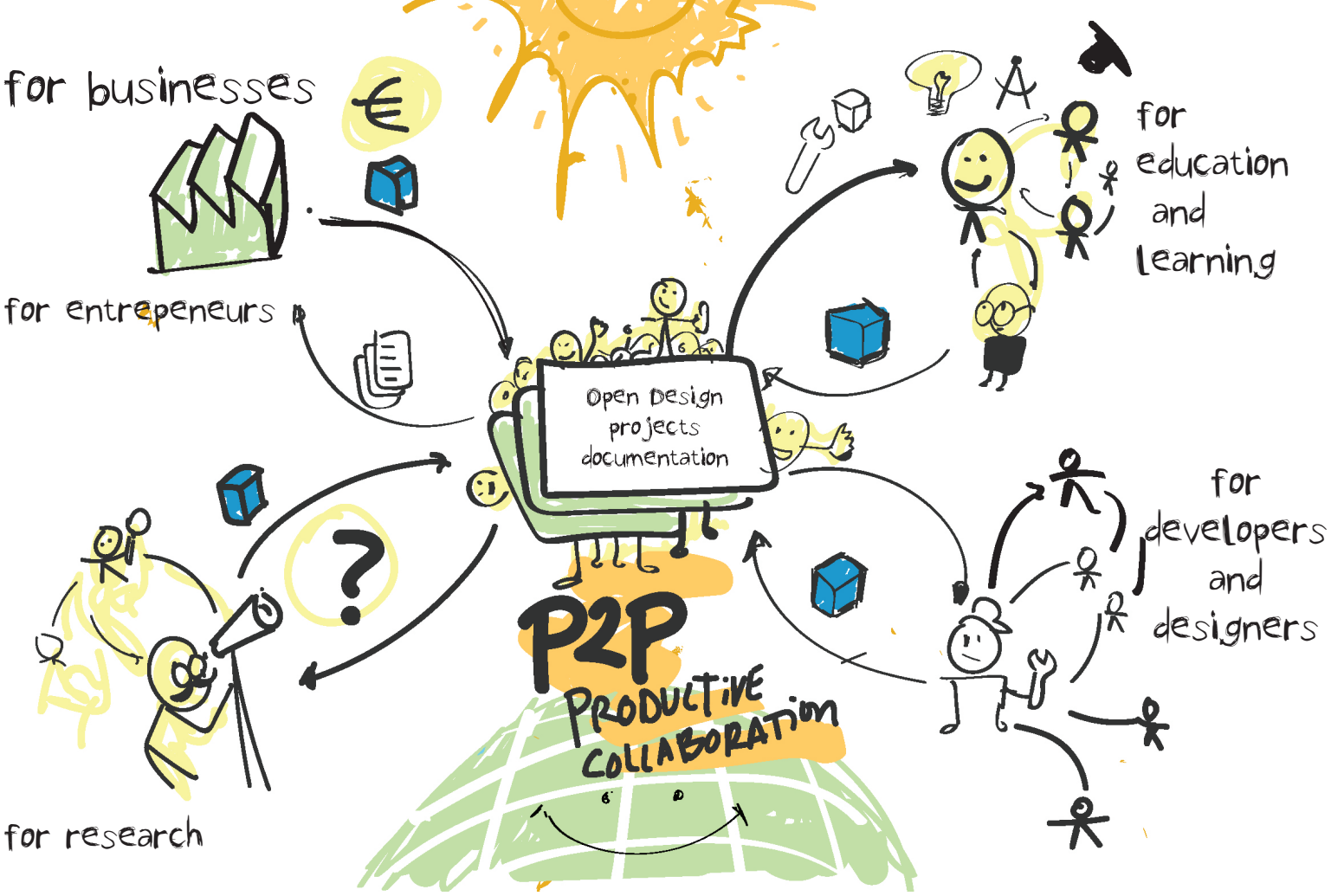
Local producers,
Manufacturers,
World Organizations (UN, EU, NGOs),
Municipalities,
Universities,
FabLabs

COST STRUCTURE

Development costs (inputs)
Facility related costs (Spatial rent)
Shipping costs (outputs)
Production costs (Beta)

REVENUE STREAMS

1. We commercialize open hardware products and open hardware designs 2. We monetize via our membership scheme
3. We facilitate neogtiatios for open hardware sale contracts between manufactuerers and buyers



THIS IS HOW WE MAKE IMPACT

We provide a license with permissions as well as restrictions, that protect the resources created by our community. Our open design projects and products are the resources that we co-create around problems that are rasied by our community of partners, users, entrepeneurs, researchers, students and developers.

See our project porfolio on github.

Download our illustrated book about the social impact of open source, p2p, and Commons oriented economies.

HIGHLIGHTS

We have a testable prototype of a CNC sheet metal cutter and we have built a tractor implement using this technology as a proof of concept.

We have ran workshops where we teach students, git, github, as in some of our project repositories.

We led a project in the Mozilla Global Sprint of May 2018, and succesfully completed the Mozilla Open Leadership W

OUR PLAN

2020 MILESTONES

- Sell from 25-35 CNC plasma sheet metal cutters. 25 of these machines can provide a reveneu of 788315 EUR and yield a gross margin of 394157 EUR (Find our current financial projections model here considering only the CNC project).

- Grow community active members to 100, and non active to 200.

- Grow our project portfolio to 16 products that are ready for replication and commercialization.

- Find a manufacturing partner for high volume production of CNC open source kits.

- Be able to fully cover our daily lab expenditures with membership suscriptions in our open source lab.

2019 MILESTONES

- Operating in a location as an open enterprise, that allows people to join and co-develop with us open source projects.

- By the half of 2019 we will have built most of the machines we use to fabricate and prototype based on open source available designs. We plan to this with community supporters and members participating in immersive workshops where we assemble hardware kits together in teams.

- We will have from 10-20 suscriptions in our Lab of 15 EUR/ month. Which creates a basic reveneu of

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