



EVERYONE IS A RECYCLER

PRECIOUS PLASTIC, 2020.

An aerial photograph of a vast, dark-colored landfill. The ground is covered in a dense layer of grey and black waste, with small specks of colorful plastic litter scattered throughout. In the bottom left corner, several yellow and white trucks are parked on a dirt path. A bright yellow, rounded rectangular banner is overlaid on the left side of the image, containing the word "PROBLEM" in large, bold, black, sans-serif capital letters.

PROBLEM

Let's start with the reason for the existence of this project. You probably all know about the massive global plastic pollution.

Less than 10% of all the plastic generated globally is recycled and instead you see plastic polluting the environment - it's being found in trees, on beaches, in the oceans, in animals, and even in our food and water.





So, why don't more people use plastic better instead of wasting it?

Industrial recycling exists, but the equipment is very expensive and the knowledge inaccessible for most people.

And even though plastic is such a big topic, the industry keeps on producing plastic as single-use and disposable. So we have to **empower the people to make change.**



SOLUTION

A network of people who work together to tackle the plastic pollution on a daily basis

Changes in the industry are coming too little and too slowly, but change has to happen now! So Precious Plastic is creating solutions that empower everyone worldwide to build up strong local networks of people tackling the plastic pollution by turning plastic waste into valuable materials and inspire more people to take action.





BUILD

SMALL SCALE

The core of Precious Plastic solutions is to enable people to work with plastic. Wood and metal working techniques are very known and accessible, but not a lot of people outside the industry really know how to deal with plastic as a material. So Precious Plastic creates small-scale recycling machines which can easily be **built and modified by people like you and me.**





BUILD

SEMI-INDUSTRIAL

While the first series of machines are very small scale and super accessible, a line of semi-industrial machines was developed to process bigger volumes of plastic waste. These machines require a bigger investment, but remain DIY and replicable and create a much bigger output, allowing people to turn their **recycle passion into a profitable business.**





CREATE

Knowing the machines and tools to work with recycled plastic opens a whole **world of possibilities**. Just think of all the products made from plastic - all of them can be made from recycled plastic as well.

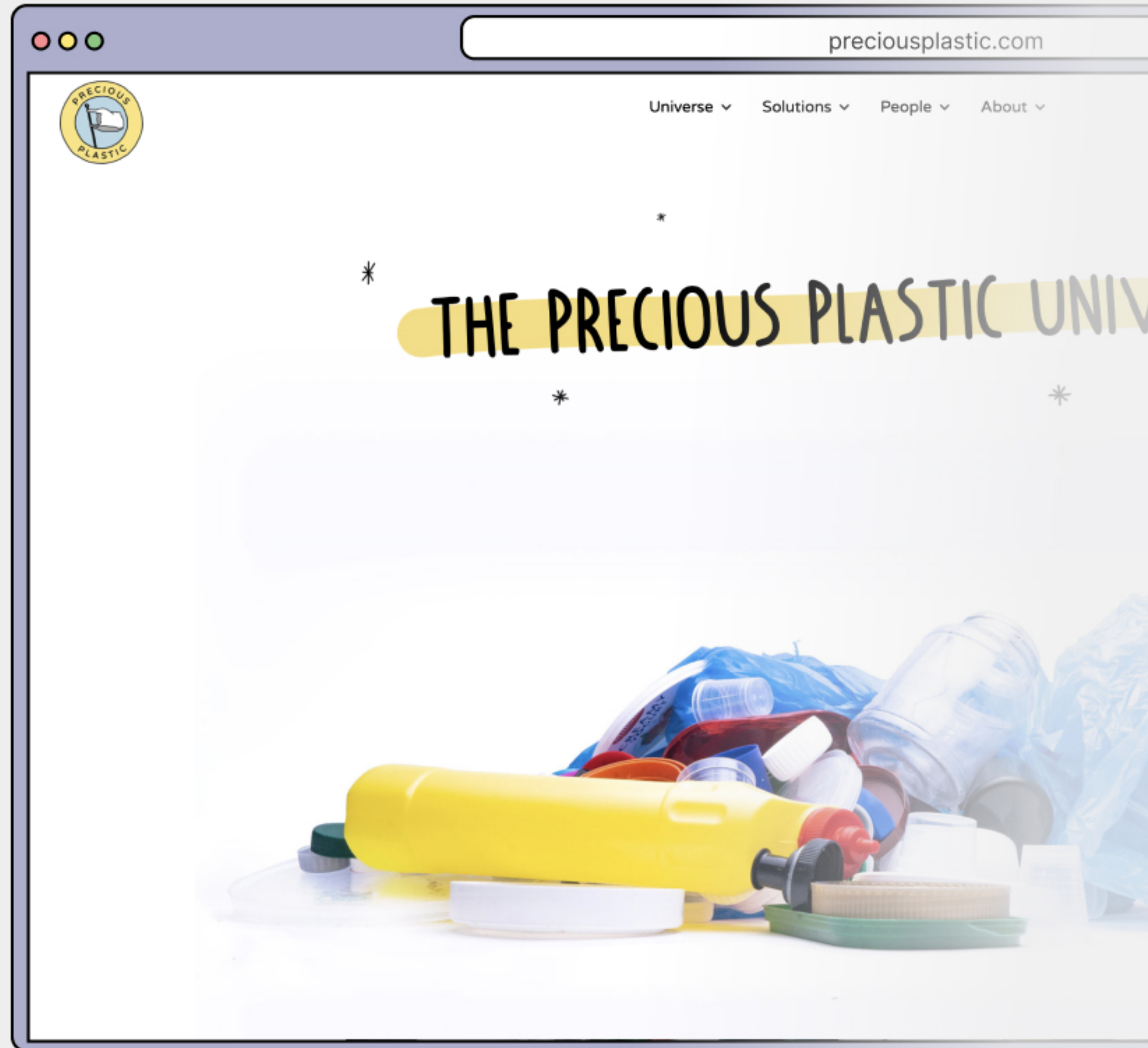
Household products, jewellery, art, furniture or construction material, Precious Plastic shows how to create a big variety of inspiring outcomes, and keeps on exploring more!



PLATFORMS

An online world for everyone
to learn, connect and share,
making it easy to start recycling!





GET INSPIRED

PRECIOUSPLASTIC.COM

On the website you can get to know the project and get impressions of the various possibilities created by Precious Plastic. From the different machines and workspaces to products and inspiring showcases from the worldwide community.





LEARN

ACADEMY

On the website you can **learn about everything** you need to know if you want to start recycling. From plastic types and collection, building the machines and making products to actually making money with all of that. Everything is explained in very simple and understandable video tutorials.

Plastics

What is plastic, how much we actually use and recycle, different types, how to recognize them, and much more.

In this video we cover the basics of plastic as it is absolutely crucial to understand the material that you are going to work with it before diving into making. Don't worry if you don't know anything about plastic- we've tried to make the videos super easy to follow!

Pro tip: start to look under your products and see if you can recognize what type of plastic it is.

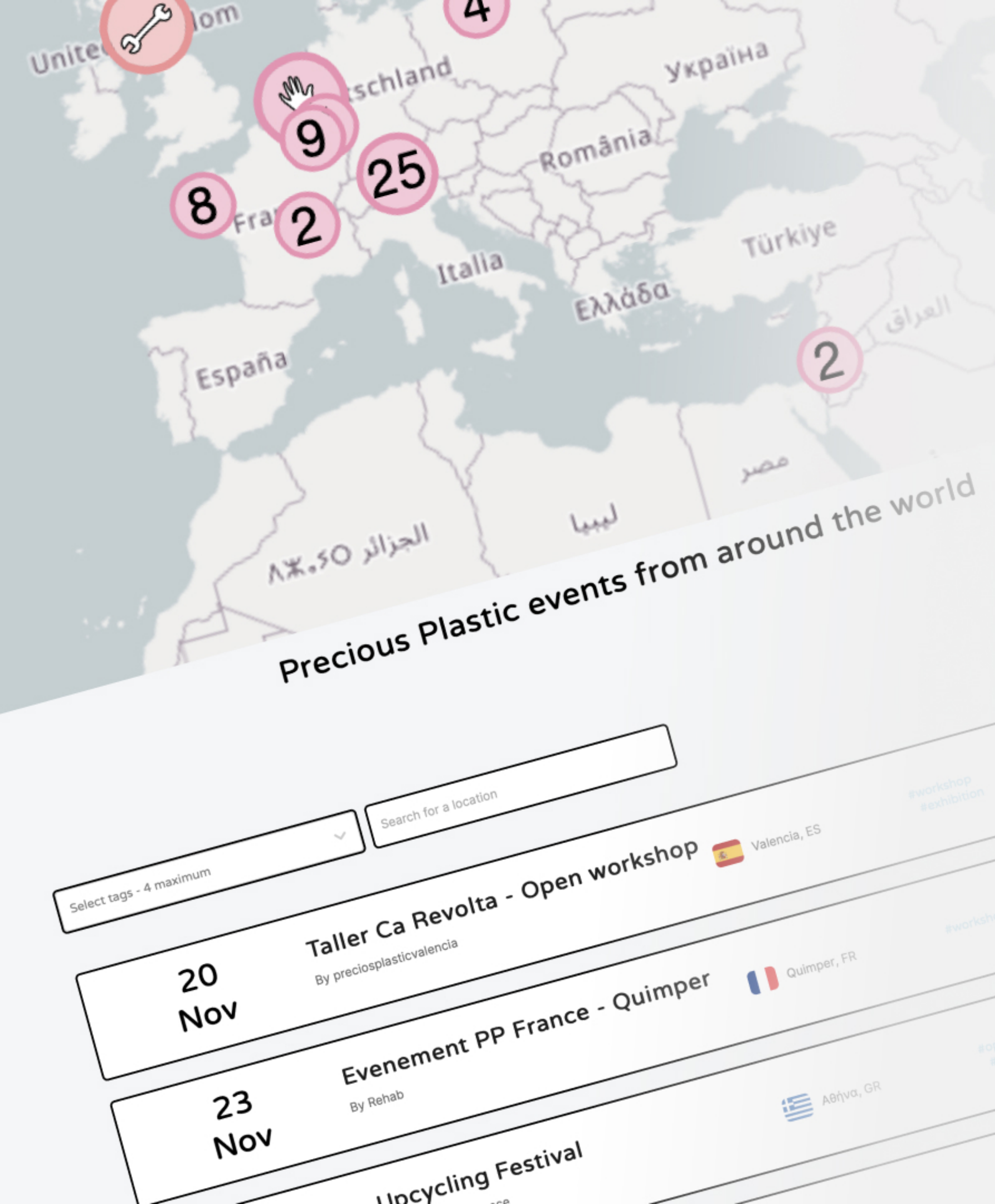
Video Chapters

- 0:11 Introduction
- 00:18 What is plastic?
- 01:15 Different types
- 02:45 Recognize plastics
- 05:18 Transform plastics

Plastic types

Plastics are divided into many different categories depending on their structure and properties. Different plastics can be recognized by their name or number that should be usually printed or embossed somewhere on your products. The most common are:





CONNECT

MAP & EVENTS

It can be overwhelming to find a point where to start. On the Precious Plastic map you can find groups, collection points, machine builders, recycling workspaces as well as events happening around you - so that you can **connect locally** and join or start a project together.





Make a carabiner (CNC vs. las...

By Precious Plastic

#product #injection #PP #mould



Make a lamp with beams

By Precious Plastic

#PS #product #extrusion



Bend plastic sheets

By katharina

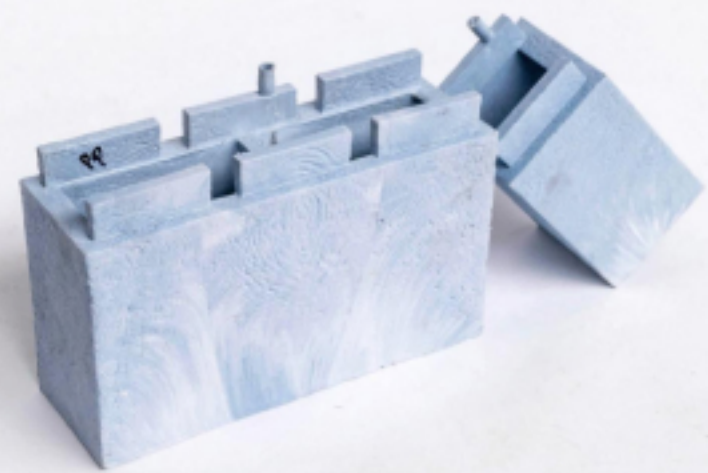
#sheet press #melting



Make a bench with beams

By Precious Plastic

#product #extrusion #PP #HDPE



Make extruded plastic bricks

By Precious Plastic

#product #extrusion #mould



Make a quick release opening...

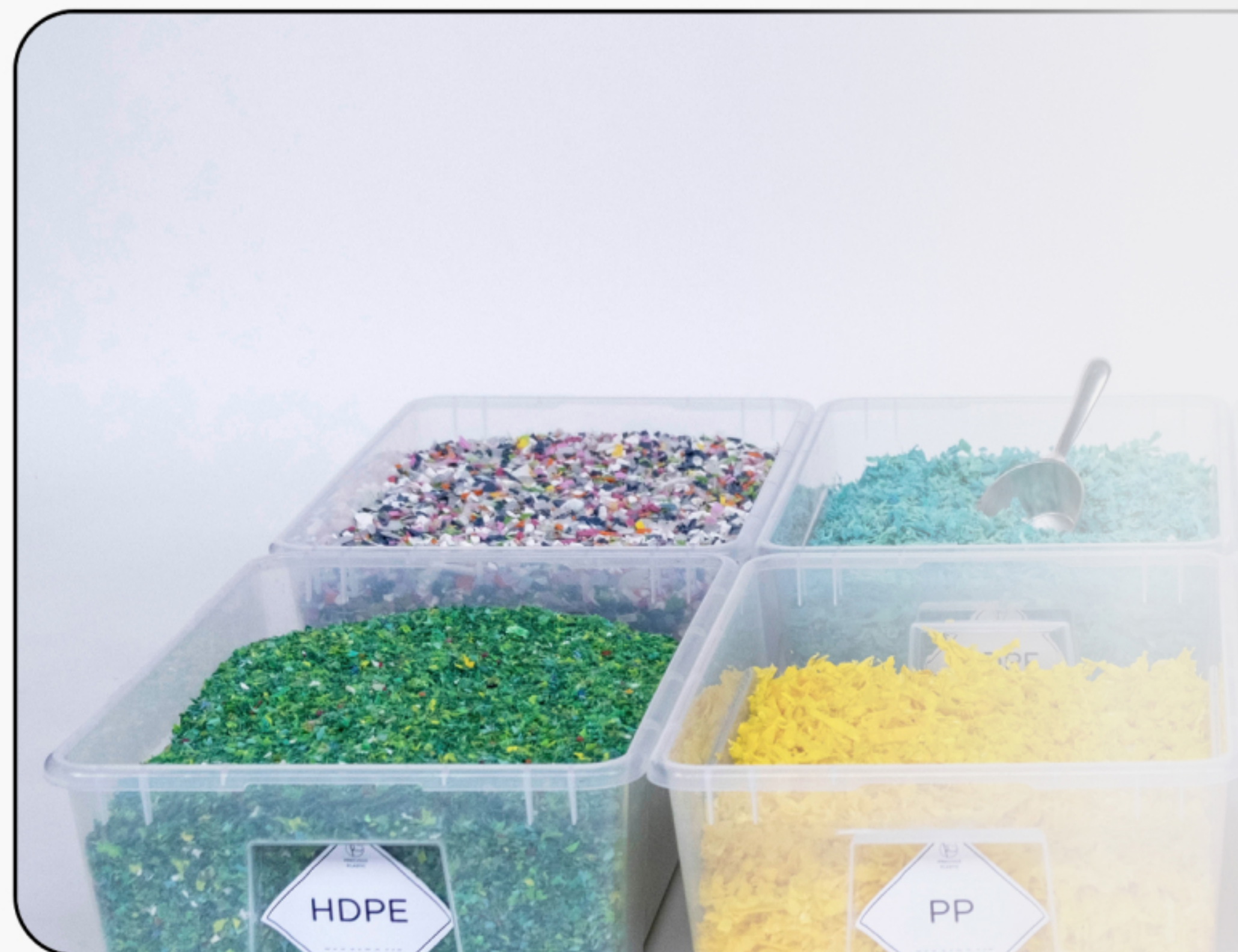
By Precious Plastic

SHARE

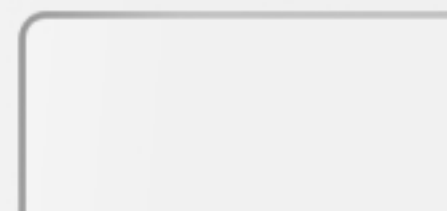
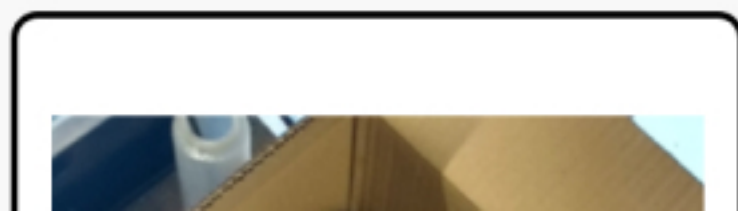
HOW-TO'S

Once people get started, many come up with great results or hacks, which are a very valuable addition to the world of plastic recyclers. With the How-to's, we provide an easy way to capture and share machine hacks, techniques, moulds and products as **step by step documentations**. So that everyone can get inspired and learn from each other.



[Machines](#)[Moulds](#)[Raw Materials](#)[Products](#)[Extras](#)

Recently Added

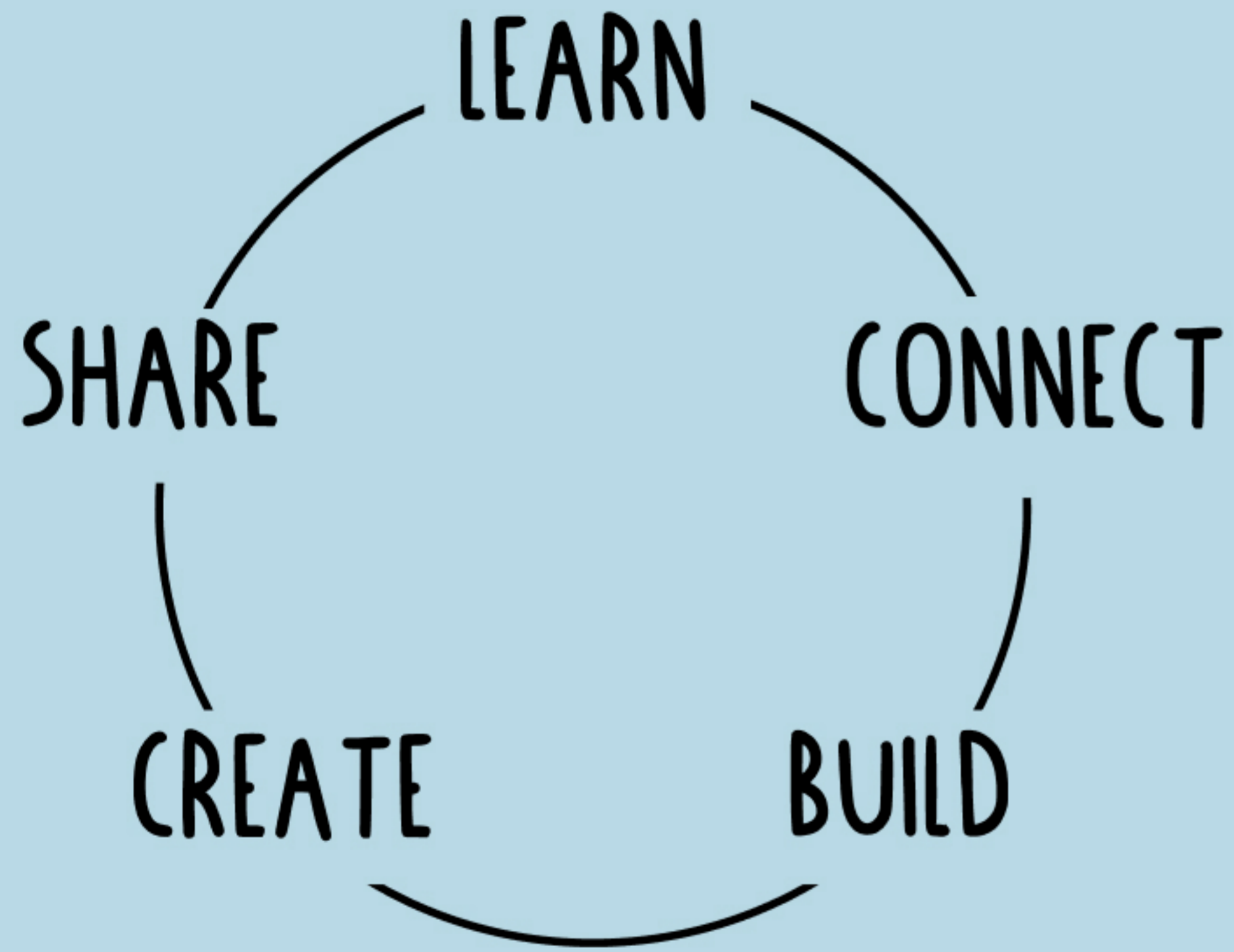


BUY & SELL

BAZAR

The Precious Plastic bazar is our **online marketplace** where you can buy and sell machines, components, moulds and products. This creates local economies for plastic recycling, makes materials and components more accessible and helps to create income with Precious Plastic.





To sum it up, Precious Plastic aims to enable people to learn about plastic and solutions, find their local fellows and resources to set up their own recycling workspace, collect plastic and turn it into something valuable which they can sell, and finally share back what they learn - to help improving solutions globally and enable even more people to learn and get started.

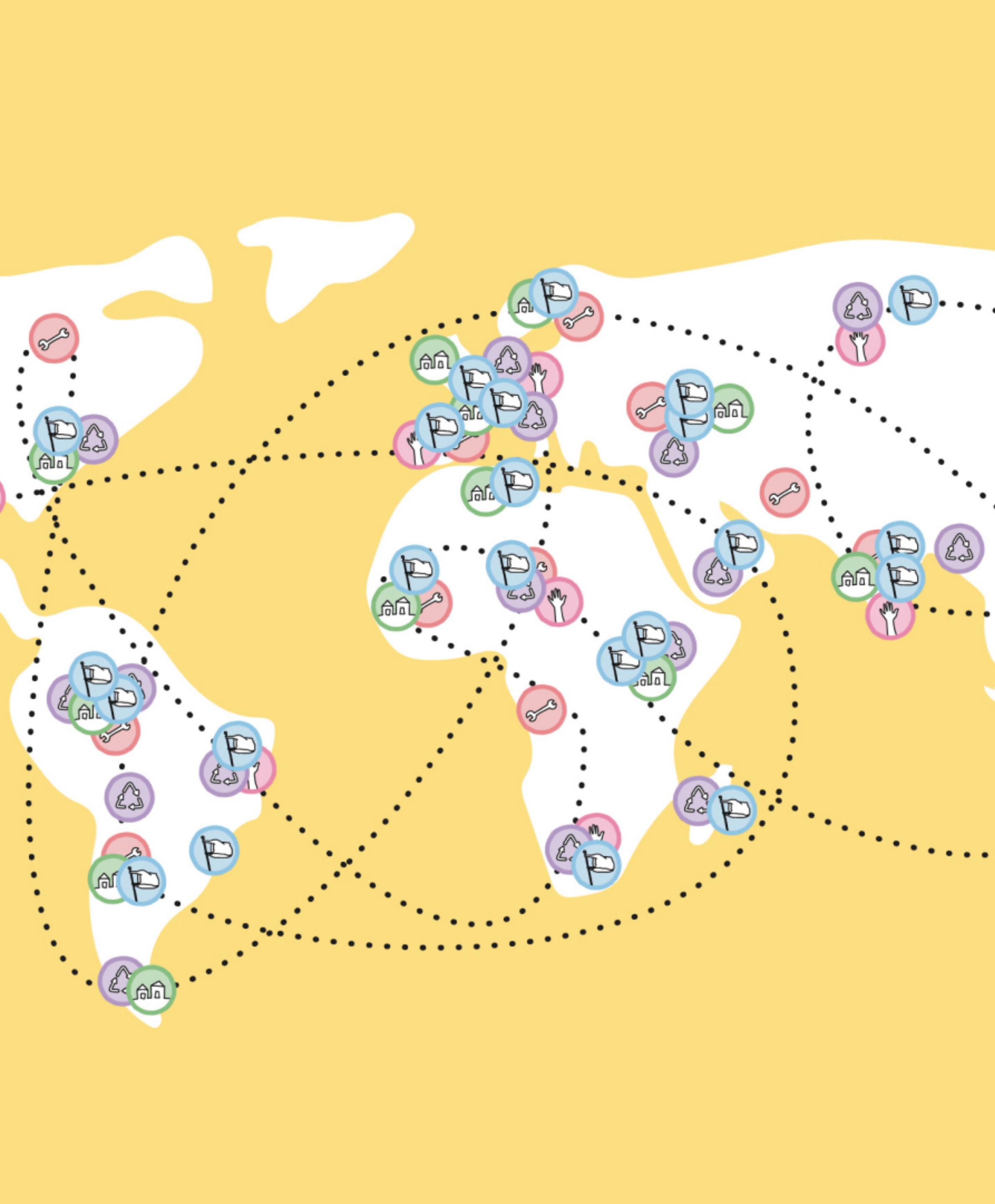




STARTER KITS

There are different steps and roles within the recycling process. Each role requires different investments and skillsets. In the Starter Kits we assembled all required tools and knowledge needed to get started with one of these roles. This makes it easier to choose and focus on the direction which fits you best and get the most out of what you invest.





UNIVERSE

Putting everything together, the Precious Plastic Universe is an **ecosystem of people, tools, machines and platforms to tackle plastic pollution**. Everyone can play a role in the recycling journey. From collecting, building, transforming, and communicating, the Universe provides everything to empower people to become recycling activists and entrepreneurs fixing the mess on a daily basis.



OPEN SOURCE

Open Source is an important term for Precious Plastic. **Everything is shared online for free!** That means knowledge, blueprints and tutorials are made accessible to the world. People can take them, copy, change and improve the solutions as needed. So everyone can start, now and for free!



COMMUNITY

People all over the world recycling plastic to clean up, to create, to educate and get income.





GLOBAL ARMY

The openness of the project enabled people worldwide to start the fight against plastic pollution. It's hard to keep track, but there are more than 400 workspaces who built the Precious Plastic machines. And on our online platforms, more than 80.000 like-minded people meet and exchange ideas, help each other and find solutions to local problems.





GLOBAL HACKS

Many of these people and groups came up with modifications to make the machines even more accessible or practical for their contexts. From alternative materials, machine combinations, mobile or human powered solutions - there are countless creative hacks with useful modifications and upgrades.

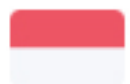




GLOBAL CREATIONS

While working with the machines and exploring the possibilities, everyone has different approaches, ideas and needs. As a result, the sum of all the people of the community comes up with a huge spectrum of diverse products and materials.





GLOBAL CHANGE

Other than transforming waste into something new, there is so much more happening in this community. They organise cleanups and events, they give presentations and let people learn and experience Precious Plastic in hands on workshops. With all these activities they inspire more and more people about the project and show the hidden value of plastic!





EVERYONE IS A RECYCLER

COLLECT RECYCLE SHARE DONATE

This project perfectly shows that EVERYONE can take part to contribute to better solutions. Be part of it!



DON'T WASTE YOUR PLASTIC

MAKE IT
PRECIOUS

Plastic is a precious material with all its exciting and useful properties and facets. It lasts for hundreds of years, so let's save it from damaging our nature and show people that such a thing as "disposable plastic" just doesn't make sense at all.

