



**fabula**



# introduction

**Waste create passion**

Vision

Each “Waste” creates a “New Story”



Vegetables are grown with love by farmers. Any of them planned to be thrown away, but are destined for disposal when not meeting the required quality. What happens with the coffee beans after coffee is brewed? Coffee warms our heart and body with its aroma and heat, but the beans? The fate of these vegetables and beans is waste bin.

But we believe they are worth for another life. We, fabula want to give the waste a New Story, with new means, which will contribute to our sustainable life. As a new construction material to create a new space or building, and tools and dishes supporting our life. A new life and value is given to waste, or which we believed to be “waste”. “Waste” will enrich our life, generate creativity, and sustainable future with new dimension.

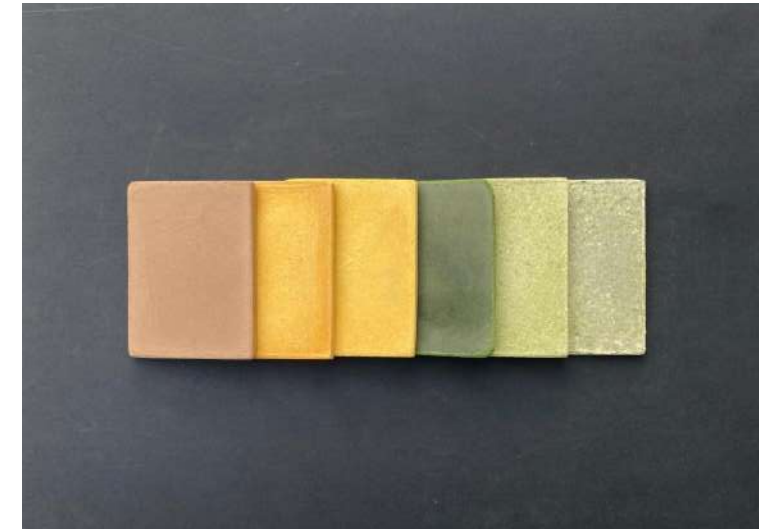
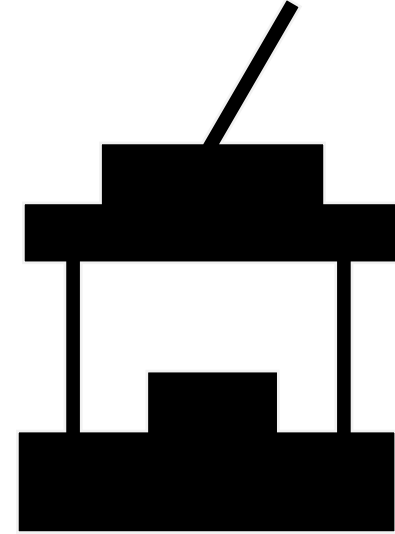
We, fabula, will create the New Story, the never ending, with our passion and love for the earth and all livings, and things, including things that are considered to be valueless.

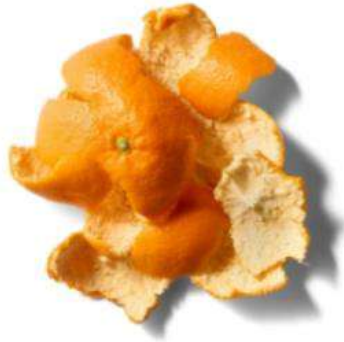
## Technology

We create a new material with food waste such as vegetables not meeting customer`s needs, or left-overs obtained by cutting vegetables while cooking.

The steps are quite simple; dry the food waste, make it into powder, then heat-press in a mold. By changing the drying and/or powdering method, and the temperature during the heat-press, variety of color, texture, aroma can be obtained. Mixing of different food waste is also possible, as well as creation of a new material with the use of things built with food waste.

\*The patent application of this technology (by Institute of Industrial Science of the University of Tokyo) is pending.





**Food waste as raw material**



**Dry, grind and heat-press**

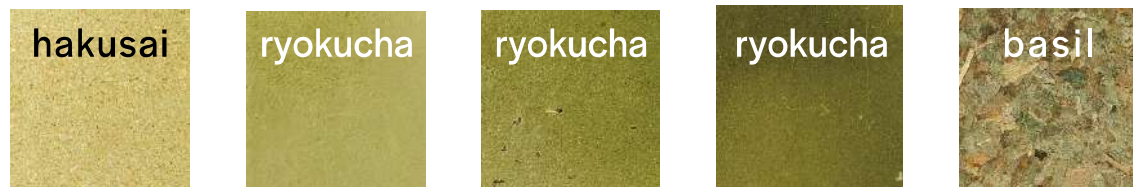
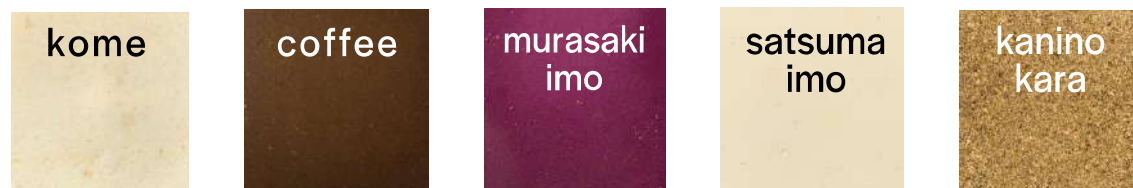
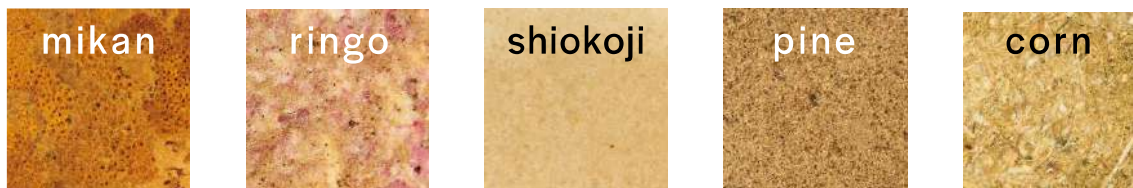


**New material created with  
food waste**

### **Solution for food waste disposal**

Currently, food waste disposal involves CO<sub>2</sub> generation and disposal of ashes etc. Sometimes food waste are used as forage or fertilizer, however the cost involved is not economically attractive enough.

We, fabula aim at creating with food waste a new material which create a new value and contributes to our sustainable, creative life.

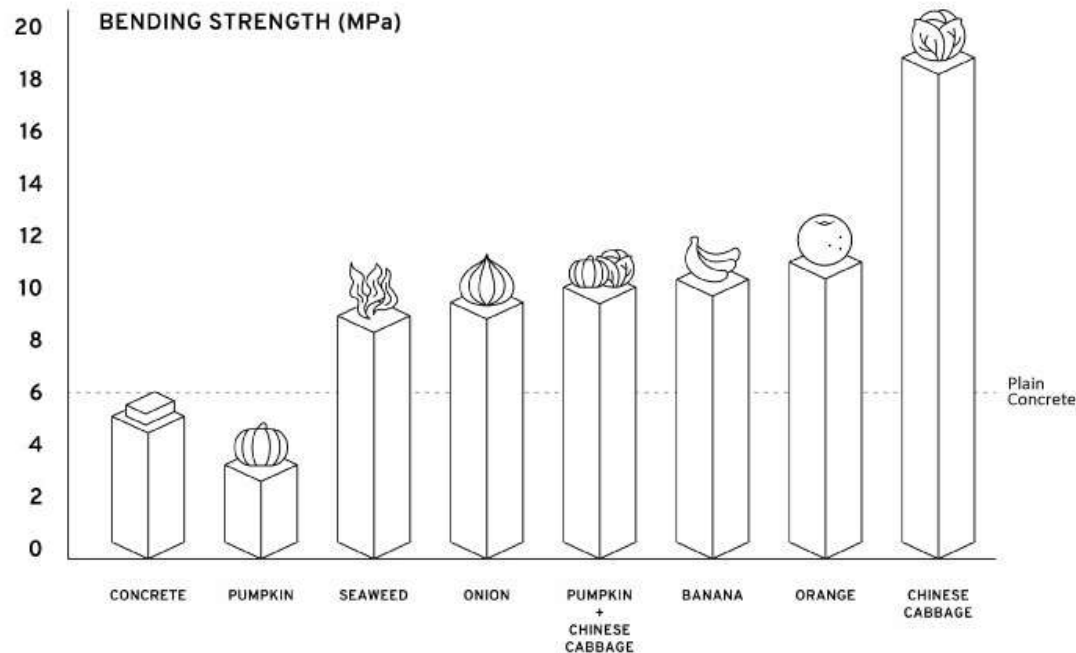


## Enjoy the color and aroma of the raw material

Depending on the food waste used as raw-material, you can enjoy different color and aroma.

Our raw materials are 100% natural origin and originally considered as food. We are studying to create edible materials, which might also have the possibility to mix spices to enjoy variety of tastes.

## Characteristics of fabula`s material



4 times stronger than concrete\*

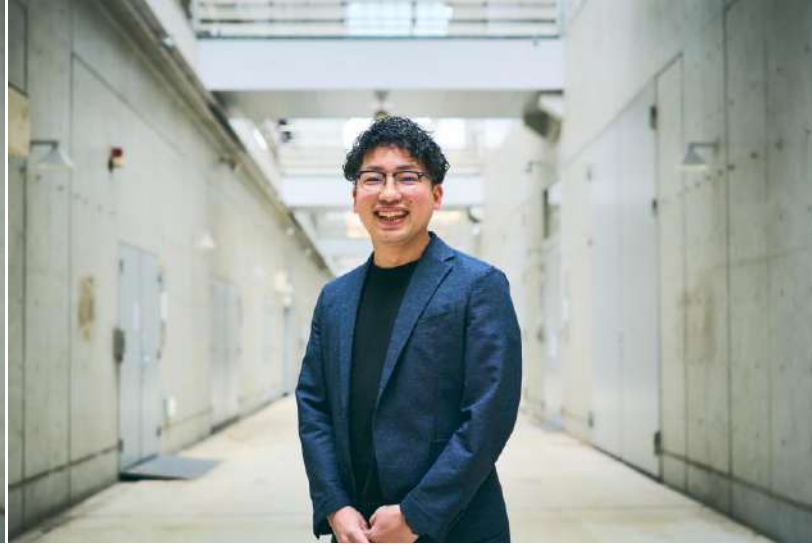
For example, the bending strength of a material made by food waste of Chinese Cabbages is 4 times stronger than concrete. A 5 mm thin plate can bear 30 kg weight. It has a potential to become a construction material in the future. \*The strength depends on the raw material (=food waste) to be used. Mix of different food waste as raw material possible to increase the strength of the new material created.

# Team



Kota Machida /CEO

Stayed in the Netherlands during the childhood. Visited more than 60 countries. Developed the technology of creation of new material with food waste at the University of Tokyo.



Daiki Matsuda/CFO

Fascinated by the world of coffee, stayed in Costa Rica as the representative in the region of Central and South America for a Japanese Coffee trading company. Wants to construct homes with coffee cherries which are generally disposed after beans are pulled out, in the coffee growing countries.



Takuma Oishi/CCO

During the master course studied the creation of space based on human sensitiveness. Wants to contribute that this technology receives more attention in the world, and would like to create spaces characterized with color and aroma.



# products

Variety of materials, products can be created with non-standard vegetables, food waste. Food waste used as raw material is 100% natural origin, from which natural color products could be created. Various products, such as small dishes, tools, furniture and construction material can be produced.



## Assembled Stool

Raw materials : Coffee (seat surface) , Chinese cabbage (chair leg)

Size : w350mm × d300mm × h390mm

Taking advantage of the assembly type feature, raw materials can be changed for each part.

Using local products from the area will give the stool a regional character.





## Flat Dish

Raw materials : Coffee, Green tea

Size :  $\phi$ 120mm

We have connections with a lacquerware maker.

We can manufacture dishes other than the ones shown in the picture if the lacquerware manufacturer has the shape you are looking for.

The plate on the right in the left image is water-resistant treated with lacquer.





## Round dish/Coaster

Raw materials : Citrus, Coffee, Malt  
Size :  $\phi$ 90mm

The coffee in the upper right corner is water-resistant treated with lacquer. Printing by UV printing also available. (Other products are also possible.)



## Tile

Raw materials : Burdock, Chinese cabbage , Coffee, Bread  
Size : 300mm square

Tiles are envisioned as paving and decorative material.

Right images: Processing by "Shopbot"



## Keychain

Raw materials : Citrus, Purple sweet potato, Basil, Green tea, Tomato

Size : w25mm × d50mm

Branding is also available.

Lightness and darkness of color can be controlled with the same raw material.





**Sample Plate**

Row materials : Rice, Shiokoji, Sweet potato, Corn, Pineapple,  
Apple, Citrus, Carrot, Purple sweet potato, Coffee

Size : 50mm square



## Boar cup (long one only)

Raw materials : Citrus

Size :  $\phi 50\text{mm}(\text{outer}) \times \text{h}55\text{mm}$

Legal aspects must be cleared when touching the mouth.

Can also be used as a small vase.





# projects



## EC Site

We sell our own products.  
<https://store.fabulajp.shop/>



fabula 000  
¥2,000



fabula 001  
¥3,800



## Novelty

We delivered coasters with our logo made of malt and a citrus fruit called "Yuko" to an event called "GREEN WORK KAMIKATSU".





## Workshop

Hands-on workshops were held at events such as "GREEN WORK HAKUBA vol. 4" (left image) and "Share for Good Minna no Mirai" (right image). Introduction of technology and hands-on production experience were conducted.



## Expo2025

Our materials will be provided to you to build the gallery.

<https://r.goope.jp/ysakai/info/4698155>



## “koyart”

We provided shelf boards for an architectural work on the theme of a vegetable sales shed.

It was displayed in exhibitions such as “Yokosuka Art Museum” and “DESIGNART TOKYO”.

食品から生まれた、新素材のお皿。

このプロジェクトは、日本特殊陶業 による  
マッチングギフト対象プロジェクトです。

Supported by



Success

★ 集まっている金額

¥1,370,100 (目標 ¥800,000)

■ 目標達成率

171%

◆ 購入数

235

🕒 残り時間

終了しました

♡ お気に入りに追加する



## Crowdfunding

Coasters and flat dishes were offered as thank-you gifts.  
From February 8, 2022 to March 31, 2022, we achieved 171% of our goal in approximately two months.