

ōragi

SUSTAINABILITY  
REPORT  
2023

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Ōragi's responsibility is to provide environmentally considered options and progress furniture away from the use of toxic materials.

Our annual sustainability report is a chance to simultaneously reflect and look forward toward continual improvement.

# 2022 ACHIEVEMENTS

## 0% to Landfill

All of our generated waste either was recovered back into our production or recycled responsibly.

## Exhibited at Planted Country 2022 (Sustainable UK Event)

In May, we had the pleasure of exhibiting our Kumo Sofas at the inaugural Planted Country event hosted at Stourhead, Wiltshire National Trust site.

## Kumo redesign to save 8% on raw materials

In September, our Kumo sofa was refined to reduce its raw material consumption by 8% and improve efficiencies in production.

## Launched Shibui Collection (Carbon-Neutral Furniture)

In September, we also launched our Shibui collection of carbon-neutral bamboo furniture. The collection celebrated the beauty of simple lines, elevated by subtle detailing.

## Joined Igolo's Sustainable Marketplace

In October, we launched our full range of furniture on Igolo's Sustainable Marketplace. This was a huge step forward for Ōragi and bought in outside accountability and verification to our statements on sustainability.

# 2023 OBJECTIVES

## Virtual Wellness Home

Create a virtual space to communicate wellness principles for a healthier lifestyle.

## Augmented Reality Showroom

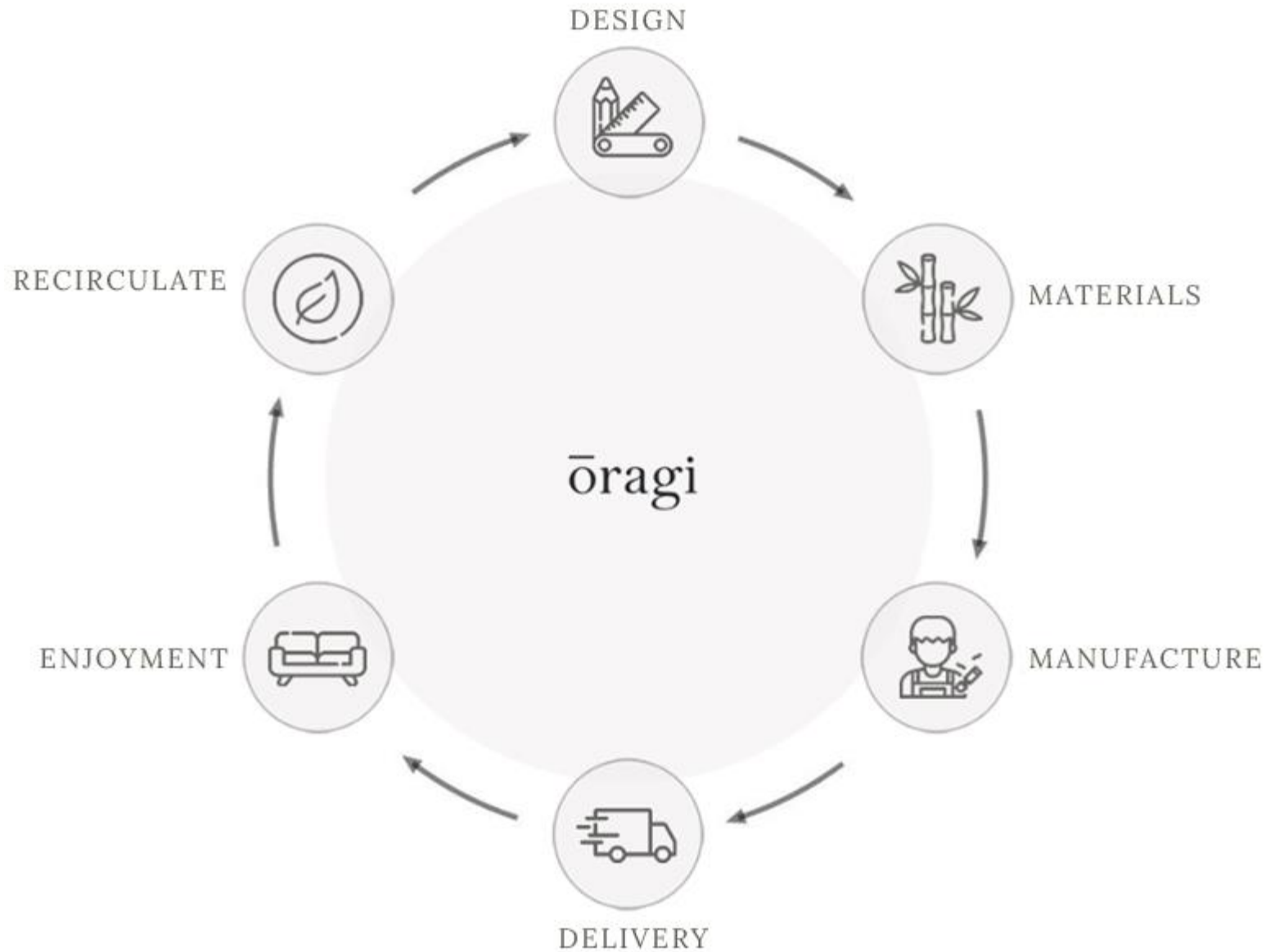
Create an AR (in-home) showroom experience to view how our furniture collections will fit within your home.

## Increase the locality of our wool supply

We are constantly looking at ways to improve the sustainability of the materials we use. We are currently in discussions with local farmers to create a local wool supply.

## Ōragi Recirculate

In early 2023, we will be launching our recirculate scheme for all new and existing pieces. The recirculate scheme is the last stage of closing the circular loop and builds on our existing circular framework. Ōragi has developed an assessment scheme for our furniture collections to prioritise repairability and provide our customers with a point of contact, ensuring materials are utilised and if needed repurposed responsibly.



A circular approach, whereby each step of the design and manufacture process, we consider the impact of furniture.





“”

I believe your home should be a refuge, a place of relaxation and comfort.

I suffer from asthma and have many other allergies. Whilst looking to furnish my home I was looking for stylish, low off-gassing furniture and was shocked to find the limited options available and saw a genuine need in the market.

This sparked a commitment to creating Low VOC (volatile organic compound) furniture which benefits people's health and the planet we share.

Joshua McGrath  
Founder of Ōragi

### Low VOC

Our sofa covers are certified to Indoor Advantage Gold standard, the best standard for Indoor Air Quality.

Our sofa frames and bamboo furniture complies with the lowest E1 category of European emissions for hazardous air pollutants and have an A+ rating with respect to volatile organic compounds.

### Kind to your skin

Our fabrics use fine marl yarns which are soft to the touch.

### Non-Toxic Finish

We use a non-toxic, natural-based finish on our bamboo to give you everyday protection without toxic chemicals.

### VOC absorbing

Studies have shown VOCs in the air can be absorbed and chemically bound by wool, improving ambient air quality.



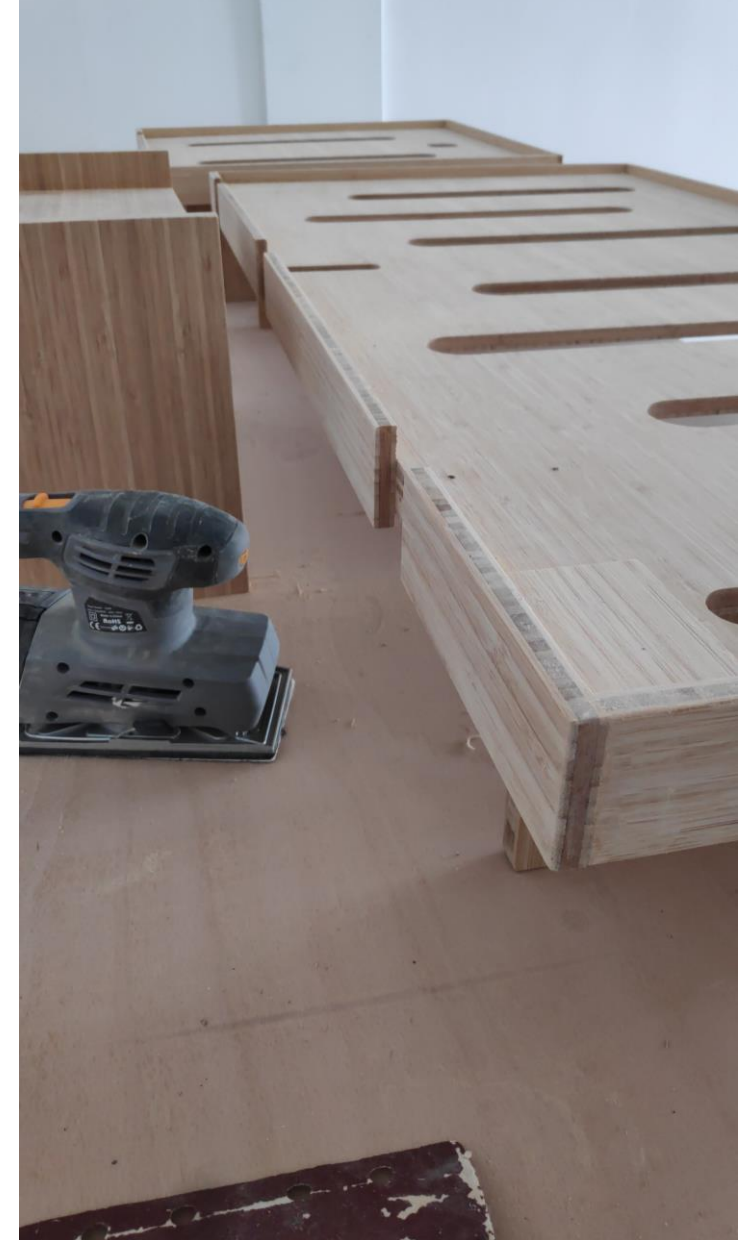




We believe in craftsmanship and the value it holds and as a direct communication from maker to user.

From our workshop, in Staffordshire, we craft each piece of furniture with care and attention to assure each piece can be cherished for years.

Ōragi employs upholsters with decades of experience using durable and robust textiles to ensure our upholstery is as lasting as our frames.





## THE ISSUE WITH MODERN SOFAS

Cheap particle board, plastic materials and polyurethane/ petroleum-based foams make up most sofas. These materials aggravate allergy sufferers through VOC (volatile organic compounds) off-gassing and contain harsh, toxic chemicals and chemical flame retardants.





Over 83% of sofas in the UK aren't reused.

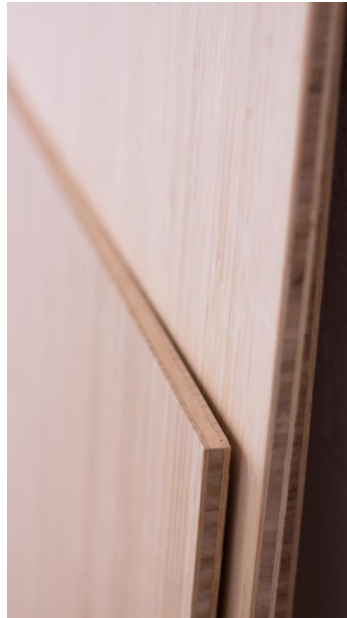
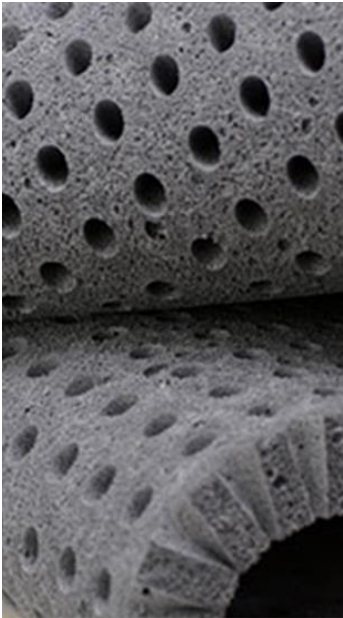
Resulting in 22 million pieces of furniture being discarded in the UK every year.

# MATERIAL SHOWCASE

Ōragi aims to create mere interruptions in the overall lifecycle of the materials we use.

Creating furniture to be enjoyed for years that expresses calmness and honesty from materials that are grown responsibly and sustainably.

Over a year of researching and sourcing the best and most comfortable natural materials which align with our sustainable and environmental ethics.



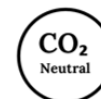


# BAMBOO BOARDS

Fast-growing, sustainable and naturally strong yet lightweight. Ōragi celebrates the beautiful honey tones and linear grain of bamboo and the abundance of sustainable qualities it possesses.

- FSC Certified
- Non-Toxic and naturally treated to protect against daily wear
- Harvest within 3-5 years and grown without the use of chemical pesticides or fertilisers.
- Produces 35% more than equivalent trees
- 1650kg of CO<sub>2</sub> per m<sup>2</sup> can be absorbed by bamboo.  
(Compared to 1058kg European Oak and 793kg Pine)
- Bamboo: 4 - 8 years / Oak: 25 - 30 years  
(Time to reach 10 kg per m<sup>2</sup> of stored carbon)
- Excellent soil erosion inhibitor due to its network of short roots
- Stronger than most hardwoods
- Biodegradable/ Repurposable at end of life

[https://blog.moso-bamboo.com/how-much-co2-is-stored-in-bamboo?lang\\_selected=true](https://blog.moso-bamboo.com/how-much-co2-is-stored-in-bamboo?lang_selected=true)  
<https://opslagco2inhout.nl/en>





## 100% NATURAL LATEX

Perfectly supported, like sitting on air. 100% natural latex obtained from the Hevea Brasiliensis (rubber tree) gives our cushions a cloud-like feeling of comfort.

- FSC certified and Rainforest Alliance Certified
- Cradle to Cradle gold supplier
- 100% natural no synthetic additives or fillers  
(Natural graphite used for UK fire regulations)
- Unrivalled comfort, round cell structure bounces back after sitting
- Breathable membrane
- Tapped rubber trees continue to live and clean the air whilst rubber is harvested.
- Biodegradable/ Repurposable at end of life





## COIR (COCONUT FIBRE)

Dual layers of thick coir disperse pressure evenly providing ultimate support and longevity to our sofa cushions. Woven coconut fibres are sprayed with natural latex for a spongy supportive layer sandwiching the compressive latex core.

- All-natural product
- Breathable membrane
- Minimal raw material processing
- Biodegradable/ Repurposable at end of life



## WOOL / COTTON

A luxurious triple layer of pillowy softness tops and fills our cushions to give you that soft, comforting feeling. A composite of two of the most fluffy and cosy natural materials helps our Kumo (cloud) sofa live up to its name.

- All-natural product
- Naturally fire resistant
- Hypoallergenic
- Removes VOCs from the home
- Biodegradable/ Repurposable at end of life





## WOOL COVERS

Simplicity in its style our covers are incredibly durable. Our covers create a calming minimalism. Crafted from fine marl woollen yarns they are soft to the touch and gentle on your skin.

- Independently certified to 200,000 on the Martindale scale the measure of a fabrics abrasion/ wear resistance (avg 50,000)
- Certified to Indoor Advantage Gold for Air Quality
- EU eco-label for sustainability
- Naturally fire resistant (EN 1021 – 1 & 2 cigarette and match)
- Hypoallergenic
- BS 7161 Low Hazard





A thick reactive latex core means **no constant plumping** associated with similar seat cushions.



**Strong and durable**, our covers are certified to 200,000 on the Martindale Scale (avg 50,000); a measure of a fabric's abrasion / wear resistance.



**Kind to your skin**, our fabrics use fine marl yarns which feel soft to the touch.



**No glue** is used to join the layers in our cushions. Meaning...



... Each material can be replaced and **recycled individually**.

# KUMO

The comfort evoked by clouds (kumo).

Sustainable, natural materials combine to create a minimal sofa collection with naturally low VOCs for a healthier home for you and your family. The richness of the grain pairs excellently with modern interiors adding an organic, biophilic aspect to any space. Our frames are offered with or without side tables and come in a variety of modular seating options to suit your space.

A solid bamboo frame supports our non-toxic, sustainable cushions. We use natural latex, coir from coconuts, lambswool and cotton for comfort and wellness. Additionally, our covers hold the EU ECO label and Indoor Advantage Gold certificate for air quality ensuring Kumo has low VOC off-gassing.

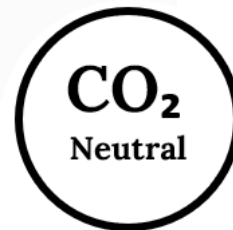




# SHIBUI

The Shibui collection combines refined beauty and simple lines elevated by subtle detailing.

The Shibui collection celebrates bamboo's natural beauty and linear grain creating a collection designed to provide practical surfaces fitting within a modern interior.







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23.

Every piece of furniture is made to order in our UK workshop. We aim to offer the best delivery times on handmade furniture and will communicate with you throughout, making the process easy for you.

Ōragi carefully plans our deliveries to reduce delivery miles and packages all our furniture in recyclable packaging materials.

International shipments of raw materials are made using sea, not air freight to minimise impact and are bought in standard sizes reducing wasted space.



## Responsibly recirculating materials back into use.

The recirculate scheme is the last stage of closing the circular loop. Oragi has developed an assessment scheme for our furniture collections to prioritise repairability and provide our customers with a point of contact, ensuring materials are utilised and if needed repurposed responsibly.



Ōragi reuses our perceived waste in a number of creative ways:

- Our fine bamboo sawdust is mixed with organic compost to balance nitrogen levels within the mix and increase moisture retention.
- Additionally, our sawdust is used as a coating to boost the acidity levels in topsoil for plants that thrive in lower-pH soil.
- Our thicker bamboo sawdust is repurposed as a natural-based bedding material for pets.
- All our material scraps are recovered from our upholsterers for reuse in future projects and samples.

Ōragi obtained a fantastic 94.6% material efficiency in 2022 and sent none of the perceived waste to landfill.



ōragi

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