

Rheaply's hosted webinar will be starting soon...



Mobile task chair

10 available

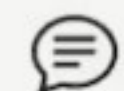
1 offer

+ 1 -

Make an offer



Dr. Gloria Sweet



West Campus

Wilson Tower > Floor 2 > Room 403

Rheaply

How reuse is driving sustainability at UChicago



Keller Knoll
Customer Success Manager
Rheaply



Valentina Rappa
Circular Economy Strategist
Rheaply

Introducing the presenters



Keller Knoll

Customers Success Manager
Rheaply

Manages client relationships for Rheaply's existing customers, expanding and maximizing their use of the Rheaply Platform to grow the impact of circularity within their organizations.

Background in circularity in the food system through upcycling byproducts into usable food products in local ecosystems. Experience in managing client relationships in various capacities in the tech industry.



Valentina Rappa

Circular Economy Strategist
Rheaply

Leads Rheaply's Sustainability Consulting services, developing reuse strategies and programs that advance our users' experience on the Rheaply Platform.

Background in environmental engineering and industry experience with plastic waste in the environment, the circularity of plastics, and sustainability strategy and reporting.



Agenda

1. **Introducing Rheaply and our work with UChicago**
2. **Circular economy foundations and in practice**
3. **Deep dive into reuse**
4. **Reuse activity**
5. **Call to action**
6. **Questions**



Introducing Rheaply and our work with UChicago



Hi, we're Rheaply.

We're on a mission to build a community where every workplace resource finds its next use.

Founded in
2016

\$18.73M
in asset value

150+
ecosystem partners

\$30M
from top-tier investors

Trusted by
resourceful companies

Google



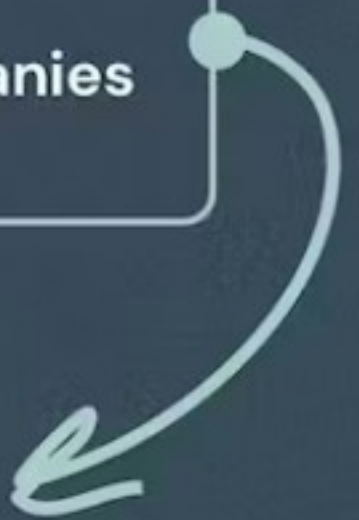
Goldman
Sachs

TARGET

abbvie

SAN FRANCISCO
ENVIRONMENT
DEPARTMENT

Exelon



Rheaply for UChicago: A platform for resource exchange

How it works

Available to all UChicago students, faculty and staff at all Chicago campuses

Cleaning out your space? Replacing equipment that still works? Surplus items taking up valuable space? Post it on Rheaply!

Supply chain issues delaying an order? Need something fast? No budget? Check Rheaply to see if what you need is already available on campus for free!



- ✓ Save money
- ✓ Improve efficiency
- ✓ Make smarter purchases
- ✓ Boost collaboration
- ✓ Increase sustainability
- ✓ Expand your network

Rheaply at UChicago: Jan - May 2023

515 users

total from UChicago
campuses

54 offers

made on the Rheaply
Platform this year

\$26,220

value identified this year

\$7,030

value recaptured this year

59

new listing made this year

300

Items exchanged

2,027 lbs

weight identified this year

828 lbs

weight recaptured this year



34% of the new posts made this year had
both Market Value and Weight included 🎉

That's roughly the weight
of a grand piano! 🎹




The Rheaply Platform


Rheaply Listings Requests Search Create

Electronics Fun Lab Research Manufacturing & Industrial Motors Workspace


♡ 1970s Proj Desk by S \$390 or 4 interest-free Est. Delivery from




Vintage Steelcase Tanker Desks
Free - Used - Acceptable
Main Campus > TAAC




Brackets, Standards and Shelving
Free - Used - Good
Main Campus > TAAC




Free-standing File Cabinets 5 drawer
Free - Used - Good
Main Campus > Culver Hall




Free Desk!
Free - Used - Like new or open box
Main Campus > Anatomy Building




UV resistant dessicator cabinet
Free - Used - Good
Main Campus > Cummings Life Sciences Center




Plastic Test Tubes, Funnels and Caps
Free - New
Main Campus > Judd Hall




Free 1/2 inch-1 1/2 inch Binders
Free - New
Main Campus > Pick Hall Whole Building




Coffee Filters
Free - New
Main Campus > Chicago Lying-in Hospital




Office desk stuff
Free - Used - Like new or open box
Main Campus > Billings




GBO 655209 Microplate, 96 well, PP, F-bottom, Black
Free - Used - Like new or open box
Main Campus > Knapp Center for Biomedical Discov...




Metal Folding Chairs
Free - Used - Acceptable
Main Campus > Rockefeller Memorial Chapel




24x 500GB 7200RPM Sun Hitachi Deskstar SATA drives
Free - Used - Good
Main Campus > Joseph Regenstein Library



File Cabinet
Free - Used - Good
Main Campus > Goldblatt Pavilion



4 HP & Next Day Ink Cartridges
Free - New
Main Campus > Goldblatt Pavilion

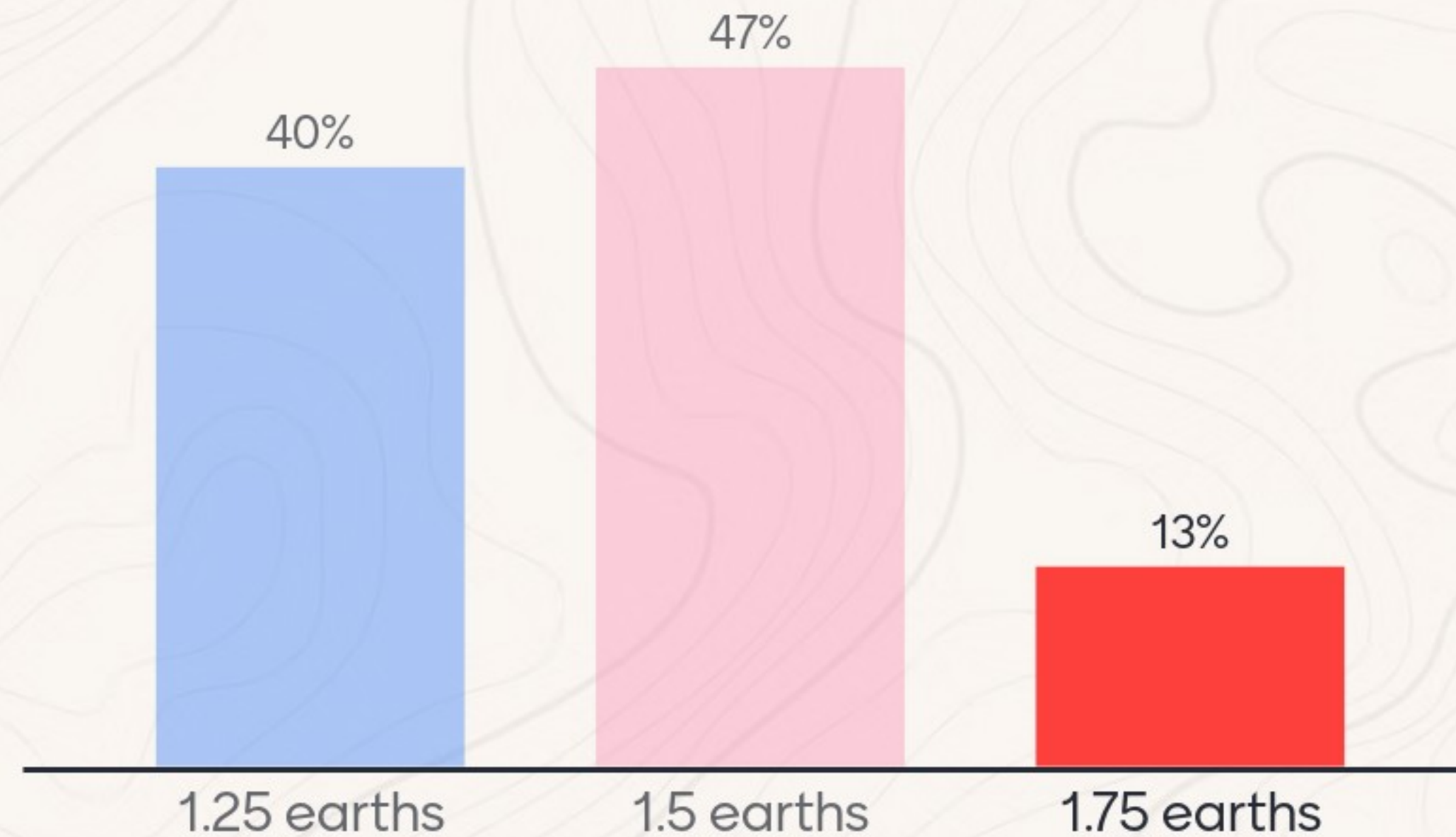


Binder Clips
Free - New
Main Campus > Foster Hall



Setting the stage with foundational terminology

Every year we out-spend the earth's resources. In 2022, how many earths did we use to support our annual resource consumption?



Reuse

The repeated use of a product or component for its intended purpose without significant modification.

[Source](#)

In plain words: Using an item **multiple times** for the **same use**. Avoiding any changes to the item in between uses, except for small adjustments and cleaning to prepare for the next use.

How it connects to UChicago: Students, faculty, and staff can reuse furniture, lab equipment, supplies, and more. This extends the useful life of equipment, reduces business spend, and avoids the manufacturing of a new product.

Linear economy

An economy in which finite resources are extracted to make products that are used – generally not to their full potential – and then thrown away ('take-make-waste').

It is a wasteful and polluting system that degrades natural systems.

[Source](#)

In plain words: The economic system that we currently live by. We take resources from the earth, make products with them, sell those products for a profit, and throw away the products after use.

How it connects to UChicago: Students, faculty, and staff across UChicago can break the current linear economy model of purchasing new furniture, lab equipment, and supplies by sharing goods across the university.

Circular economy

A systems solution framework based on three principles, driven by design: eliminate waste and pollution, circulate products and materials (at their highest value), and regenerate nature.

[Source](#)

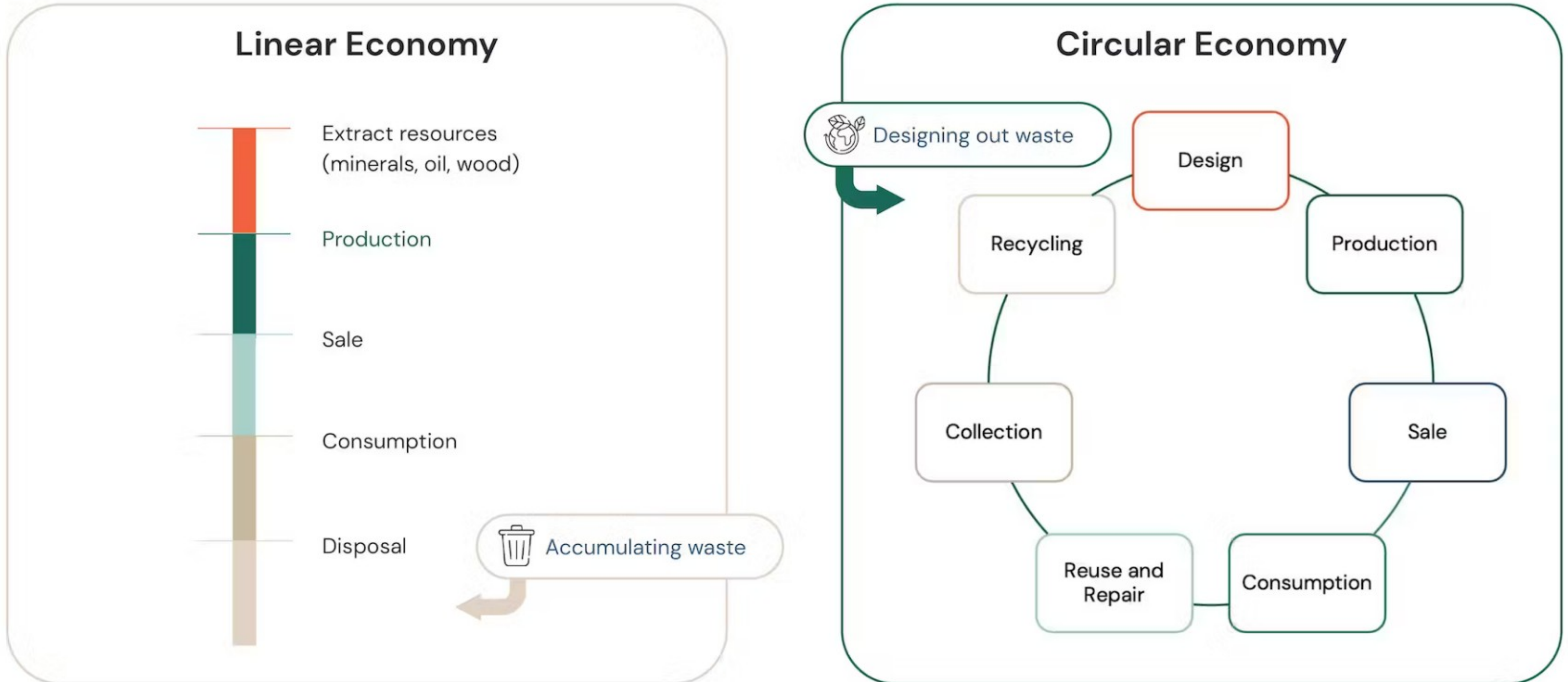
In plain words: An economic system aimed at **eliminating waste** and promoting the **continual use of resources**.

How it connects to UChicago: UChicago contributes to the circular economy through its reuse marketplace housed on the Rheaply Platform. Students, faculty, and staff can continuously circulate furniture and equipment across the university.

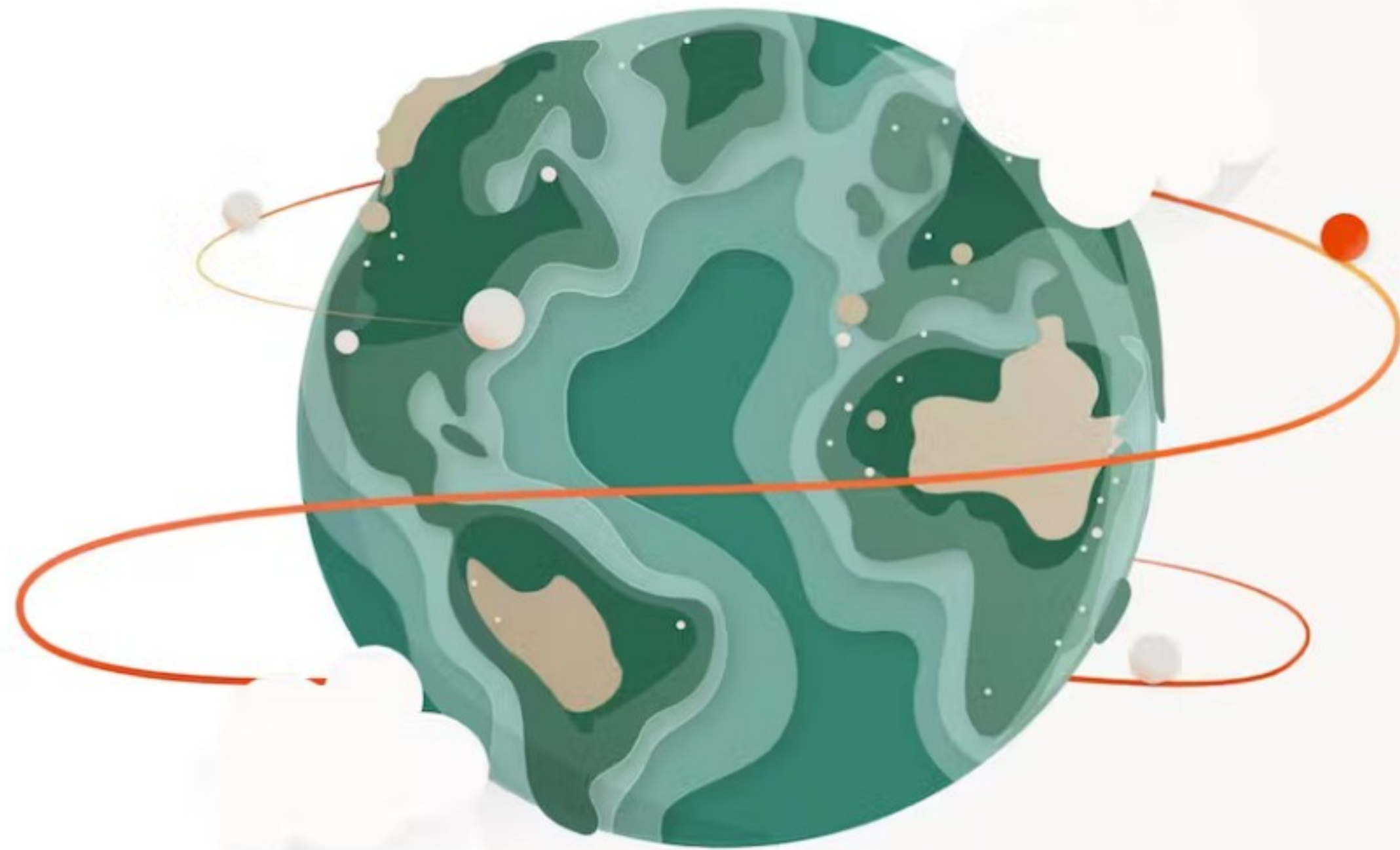


The circular economy in theory and practice

Linear economy vs. circular economy



The three principles of a circular economy



1

Eliminate waste and pollution

2

Circulate products and materials
(at their highest value)

3

Regenerate nature

Circulate products and materials - **Ecovative**

Designing products for recirculation!

Compostable packaging made from:

- Parts of crops that are not edible
- Mushroom roots - acts as a glue

Mimics expanded polystyrene but can be used to produce fertilizer after use.



Environmental benefits of a circular economy

Reduce carbon emissions

Potential to **halve carbon dioxide emissions in Europe by 2030**, compared to today's levels

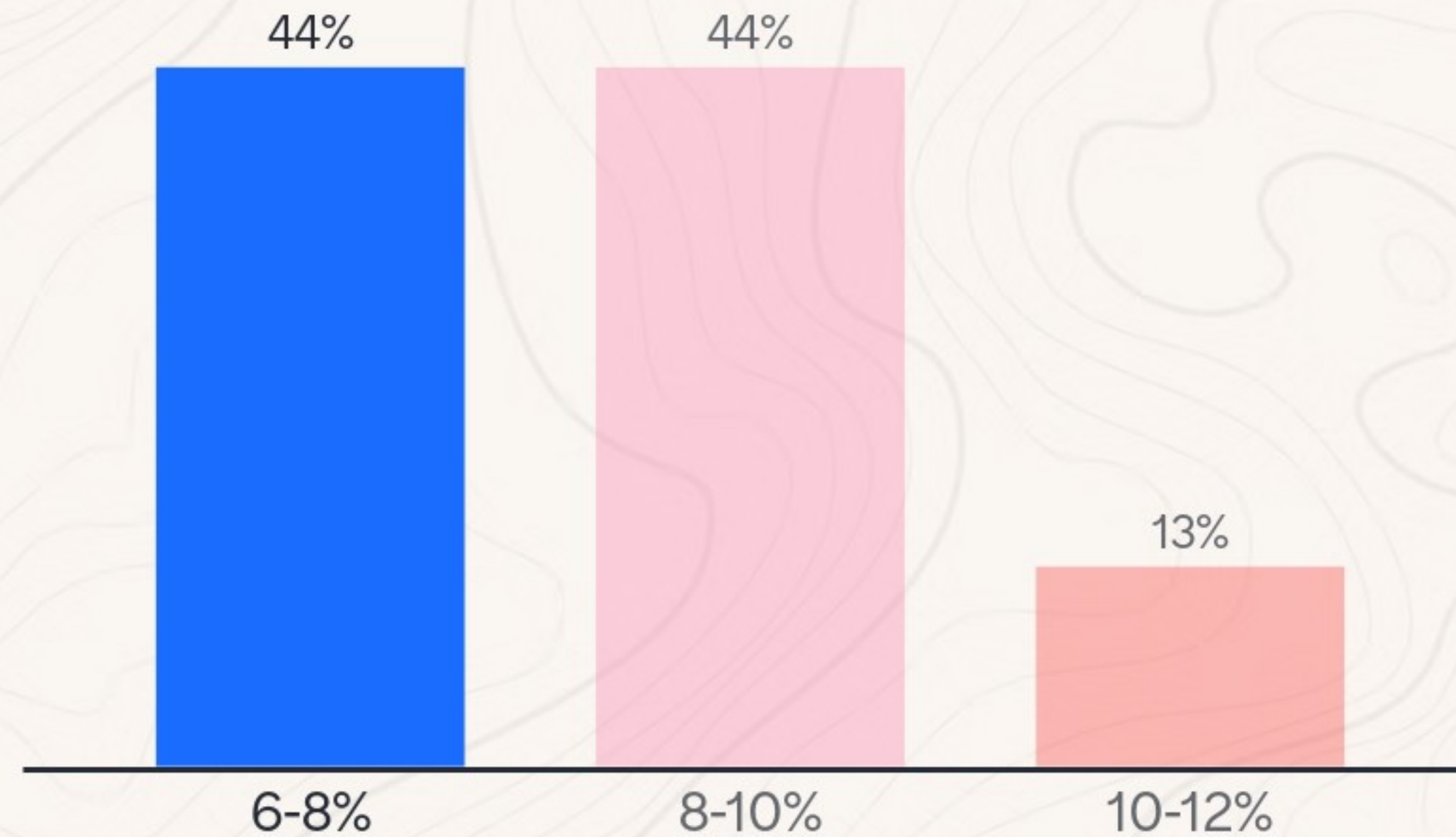
Improve land productivity and soil health

Eliminate the need for **chemical fertilizers** by returning biological materials back to the soil.

Reduce material consumption

Cut down the consumption of car and construction materials, fertilizers, fuels, and other materials by **32% by 2030**.

In 2018, Circle Economy reported that the global economy was 9.1% circular. How circular do you think the global economy is now?





Deep dive into reuse

The role of reuse: Extend the life of a product before breaking it down and recycling its parts.

Purchasing used and recirculating existing products:

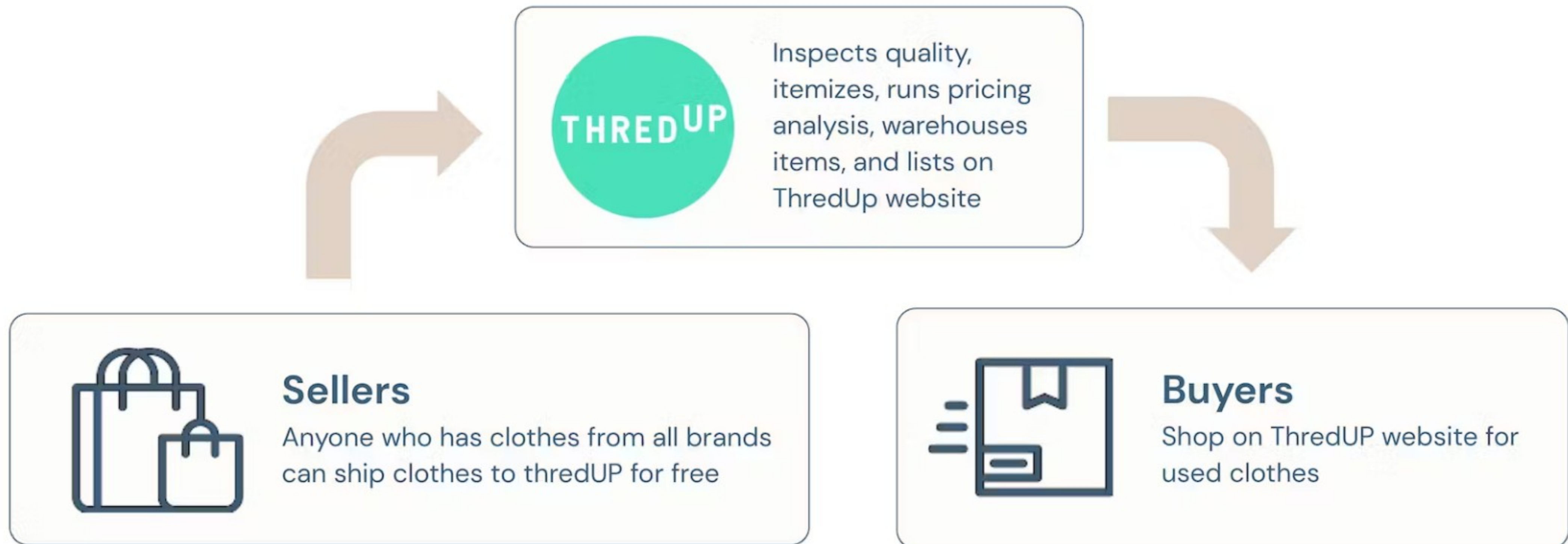
- ✓ Reduce the production of new products
- ✓ Use your existing inventory for as long as possible
- ✓ Consider Environmentally Preferred Purchasing agreements

Reusing consumer product packaging:

- ✓ Refill reusable containers at home or in stores
- ✓ Return packaging through at-home and in-store services



A business built on reuse: **threadUP**



Campus sustainability initiatives promoting reuse

Reuse programs support:



Zero waste goals

- ✓ Diverts waste from landfills, waste-to-energy, and the environment
- ✓ Reduce carbon emissions associated with alternative disposal methods



Sustainable procurement goals

- ✓ Purchase used equipment or recirculate equipment you already own
- ✓ Reduce carbon emissions associated with manufacturing new equipment

UChicago Sustainability Plan

- **Area #4 Waste Reduction:**
Reduce the amount of total landfilled waste
- **Area #8 Environmentally Preferable Procurement:**
Reduce the environmental impact of products and services throughout the University supply chain

Helpful resources

[The Circular Economy in Detail](#) (Ellen MacArthur Foundation)

[Circularity Gap Report 2023](#) (Circle Economy)

[Circular Economy Disclosure in Corporate Sustainability Reports](#) (Journal of Sustainable Production and Consumption)

[Upstream Innovation](#) (Ellen MacArthur Foundation)

[Completing the Picture: How the Circular Economy Tackles Climate Change](#) (Ellen MacArthur Foundation)

[The Circular Economy and Reuse](#) (Ellen MacArthur Foundation)



Reuse activity

What are the most common items you need for your department?



What do you do with your department equipment at the end of each semester? If you don't reuse items, why?

offer on the listserve
haz waste for unused chem
use until consumed
storage
store it
give it away
e-waste yes
recycle old exam papers
leave furniture out

Would you use the Rheaply Platform at the end of this semester to give away items you no longer need? If not, why?

absolutely

sure
yes

is there a size limit

can rheaply pick up

not everyone is on it

can you share food



Call to action

Challenge

Join our upcoming training!

Create an Account

- Register at app.rheaply.com
- Complete your **Profile**
- Review the **About Page**

Challenge! Tell **3 friends** to make a Rheaply account over the next two weeks

Create a Listing

- Click **Create**
- Complete **Create Post Form**
- Click **Publish!**

Challenge! Create **5 listings** over the next two weeks

Submit an Offer

- Interact with posted Listings
- Find a listing you like
- Click **Make Offer!**

Challenge! Review the UChicago inventory and make offers on items you need



Questions



Thank you!
Learn more at rheaply.com