

Fall 2023
Sustainable UGA Semester in Review

December 6, 2023 11:00AM – 1:00PM
Special Collections Library

EVENT AGENDA

Welcome	Kevin Kirsche, Director of Sustainability
Introduction	Ireland Ashburn / Rachel Sexton
Opening Remarks	Provost Hu
OoS Internship Program	Jessica Moore, Graduate Assistant
Engaging Student Networks	Zarina Jones / Elizabeth Finley
Enhancing Food Access	Abby Lauterbach / Austin Klepper
Reducing Food Waste	Susanna Berg / Autumn Girardin
Sustainability Certificate	Tyra Byers, Sustainability Certificate Director
Food Policy in Athens	Allie Maloney / Skylar Perez / Emma Guglielmo
Certificate Graduation	Tyra Byers / Certificate Staff
Looking Forward	Dr. Justin Ellis, Sustainability Program Manager
Campus Sustainability Grants	Kevin Kirsche / Ella Filston, Waste Reduction Coordinator
Zero Waste Instructions	Mason <u>Towe</u> , Waste Reduction Manager
Posters & Networking Reception	Lunch provided by Dondero's



**UNIVERSITY OF
GEORGIA**

Office of Sustainability

Semester in Review

Fall 2023



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Office of Sustainability Internship Program

Jessica Moore



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Engaging Student Networks

Elizabeth Finley & Zarina Jones



What is UNRCE?

UN Regional Centers of Expertise for Sustainable Education

- Promotes the 17 Sustainable Development Goals toward environmental, social, and economic sustainability practices



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Sustainable Development Goals



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RCE Greater Atlanta



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MOREHOUSE
SCHOOL OF MEDICINE



MOREHOUSE
COLLEGE



KENNESAW STATE
UNIVERSITY



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It's All About Networks



RCE
GREATER ATLANTA

- One of over 174 Regional Centers of Expertise around the world
- With RCE Greater Atlanta partnering with 6 campuses in Georgia



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Sustainable UGA

- One of 27 interns in the Office of Sustainability
- Over 138 student organizations connected to different SDGs



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UGA-Based Projects

Student Advisory Council

of Sustainable
Student Organizations

Cataloging Study Abroad Courses

and their connections to
UN Sustainable
Development Goals

UGA Student Guide to the SDGs

Courses, organizations,
certificates, and initiative



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Student Guide to the SDGs

ADVANCING THE SDGS AT UGA: A GUIDE FOR STUDENT ENGAGEMENT



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Sustainable UGA



SUSTAINABLE
DEVELOPMENT GOAL
ELEVEN

SUSTAINABLE CITIES AND
COMMUNITIES

Key Targets

- By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums
- By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all
- By 2030, reduce the adverse per capita environmental impact of cities

Student Organizations

- Bachelor's of Social Work Club
- Habitat for Humanity

Centers and Institutes

- [Georgia Initiative for Climate and Society](#)
- [Georgia Center for Urban Agriculture](#)
- [Institute for Resilient Infrastructure Systems](#)
- [Housing and Demographic Research Center](#)
- [Carl Vinson Institute of Government](#)

Courses

- RELI 4095/6095 (Christians and Sustainability)
- LAND 4095 (Sustainability in Design)
- GEOG 1125 (Resources, Society, and the Environment)
- ECHD 4015/6015 (Environmental Psychology)
- ANTH 4400/6400 (Green Culture: Environment, Sustainability, and Environmental Awareness)
- EDES 4650/6650 (City Planning)
- ECOL 3370S (Urban Ecology)

Certificate Programs

- Environmental Ethics Certificate
- Geographic Information Science Certificate
- Local Food Systems Certificate
- Plant Health Management Certificate



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11 SUSTAINABLE CITIES AND COMMUNITIES



Greek Goes Green



9,000
Students

65
Chapters

1
Intern



2%
of U.S. Population
is Greek Affiliated



80%

**Fortune
500
Executives**

76%

**U.S. Senators
and
Congressmen**

85%

**Supreme
Court
Justices**



**UNIVERSITY OF
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9,000
Students

65
Chapters



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Easy, right?



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



CCC



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Cans



Clothes



Community





Cans



**1,000+ pounds
of aluminum recycled locally**



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Clothes



**250+ items
exchanged in one day**



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Community



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Greek Goes Green

Learn more about the SDGs



greekgoesgreenuga Following Message

106 posts 779 followers 158 following

Greek Goes Green at UGA
Environmental Conservation Organization
Students committed to sustainable change in Greek Life.
A program of @sustainableuga 🌱
@linktr.ee/greekgoesgreen

Keep up with us on Instagram

@greekgoesgreenuga



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Enhancing Food Access

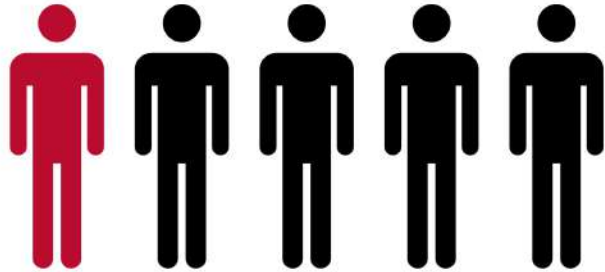
Abby Lauterbach & Austin Klepper



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1 in 6 Athens-Clarke County residents experience food insecurity



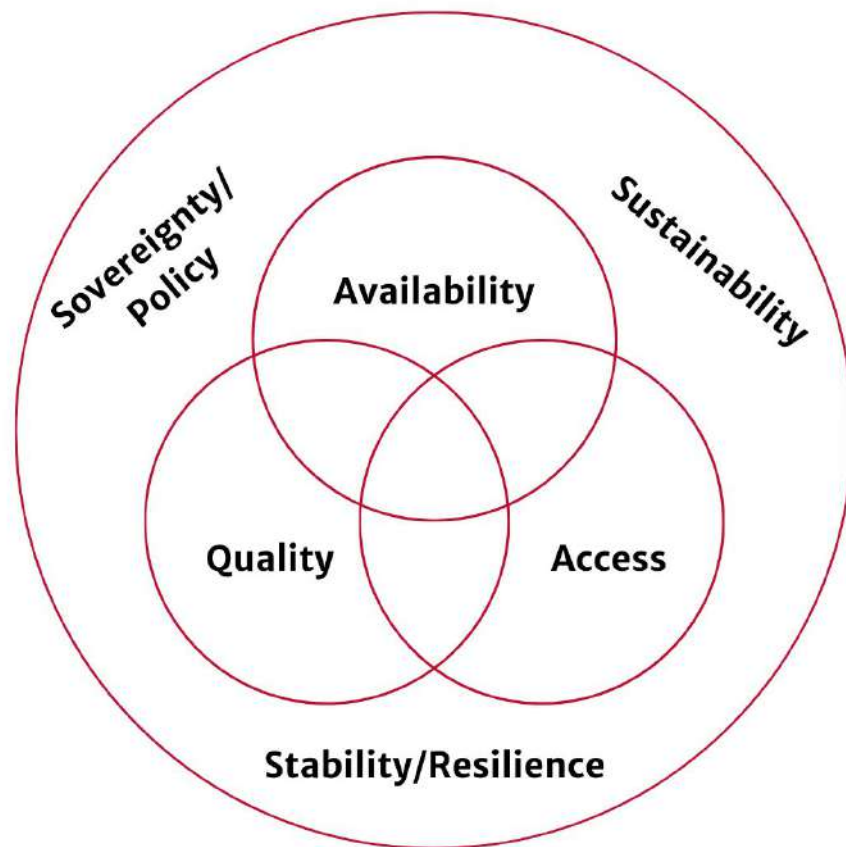
1 in 5 students at UGA experience food insecurity



1 in 4 children in Athens experience food insecurity

“**Food insecurity** is the limited or uncertain availability of **nutritionally adequate and safe foods**, or limited or uncertain ability to acquire acceptable foods in acceptable ways”

-USDA



Farm to Campus Market

- Student-run farmers market bringing local, sustainable, and healthy food to UGA students.
- Profits are donated to the FARM Rx prescription program.



UGA Office of Sustainability

Farm to Campus

Fresh Produce

Fresh Flowers

Paw Points, Venmo, Cash, or Card

Every Wednesday
12-3pm

The graphic is a vertical rectangular poster with a brown border. At the top, a yellow banner contains the text 'UGA Office of Sustainability' and 'Farm to Campus' in a large, cursive font. Below the banner, there are two circular icons: one showing a brown paper bag with white and pink flowers, labeled 'Fresh Flowers', and another showing three red tomatoes, labeled 'Fresh Produce'. At the bottom, a green starburst shape contains the text 'Paw Points, Venmo, Cash, or Card'. Below the starburst, the text 'Every Wednesday 12-3pm' is written in a simple font.

Produce Life Cycle



ugarden

Farm to Campus
sells produce to
students, with
proceeds going to
FarmRx.



Leftover food
scraps are sent
to UGarden to
be composted.

Fresh produce is
grown and
harvested at
UGarden.



Unsold produce
is donated to
Fresh Express, a
fresh produce
food pantry
on-campus.



Production & Education on Campus: Geography-Geology Green Roof

Our Mission:

- Grow wholesome, healthy food for the community
- Provide on-campus, experiential food systems education to students
- Protect the native plants and pollinators that are a part of our campus community



Roof to Table: An Overview

UGarden supplies seeds, tools, and greenhouse space.



Campus Kitchen delivers produce in cooked meals or grocery bags.



ugarden

Fresh fruits & vegetables grow and are harvested on the roof with volunteer support.



**CAMPUS
KITCHEN**

Community members enjoy fresh, nutritious food.



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Impacting Athens

Green Roof Garden (in 2023)

150

Volunteers

5

Academic Courses

110

Pounds of produce distributed

Farm to Campus Markets (in 2023)

55

Volunteers

3

New Collaborations:
UGarden, Fresh Express, SGA

\$1500

Donated to FARM Rx!

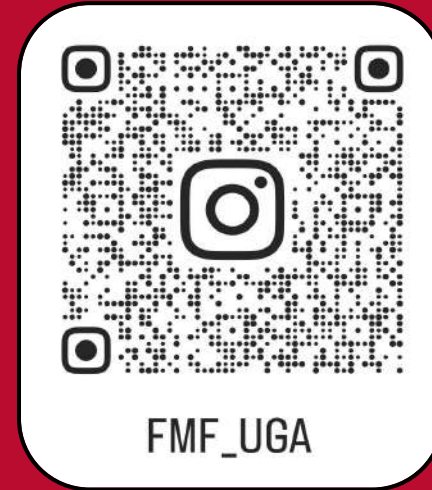


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Get Involved!

Keep up with volunteer opportunities by connecting with Farm to Campus Markets & The Green Roof Garden on social media



adk14983@uga.edu

Reducing Food Waste

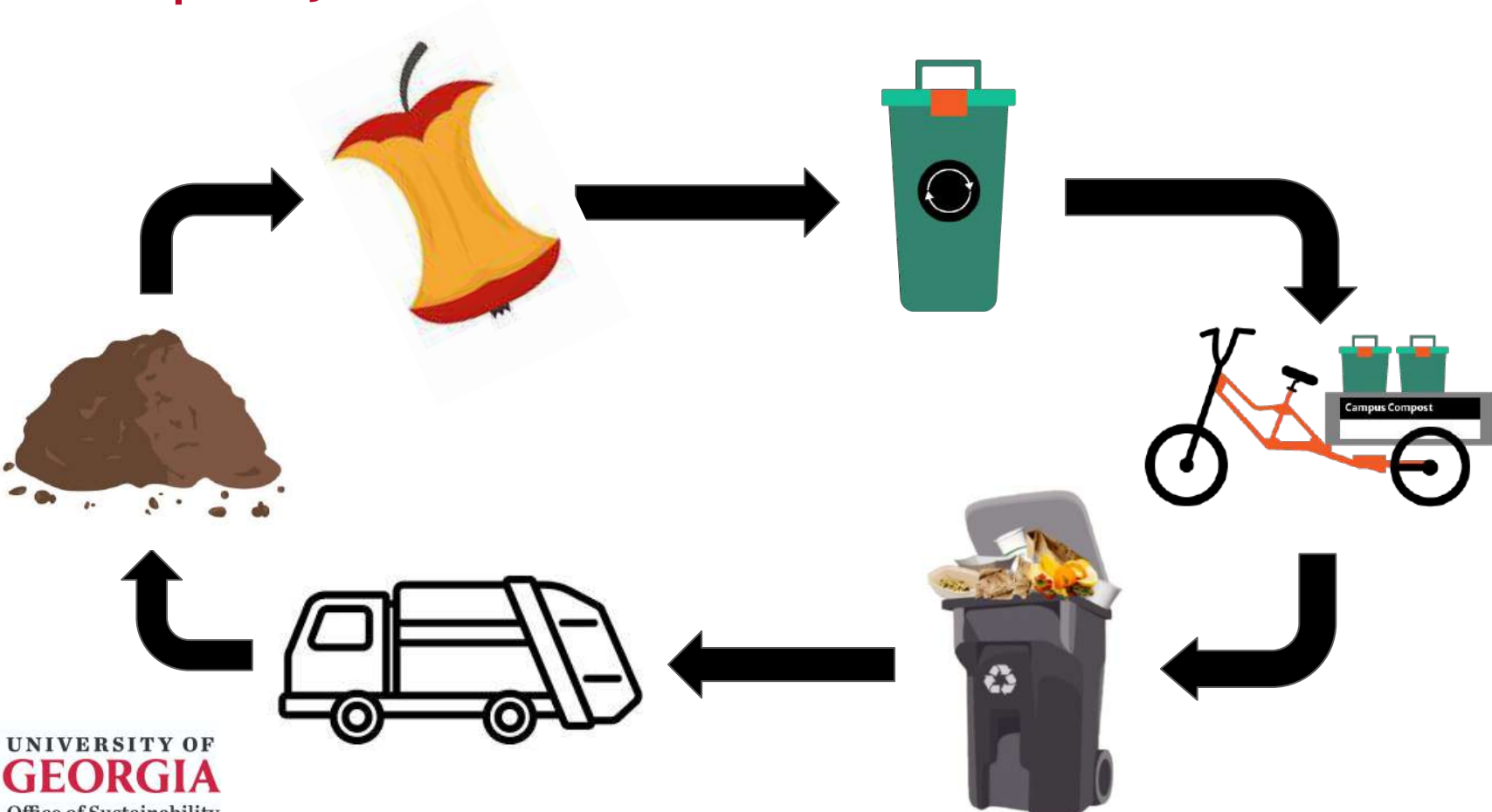
Autumn Girardin & Susanna Berg



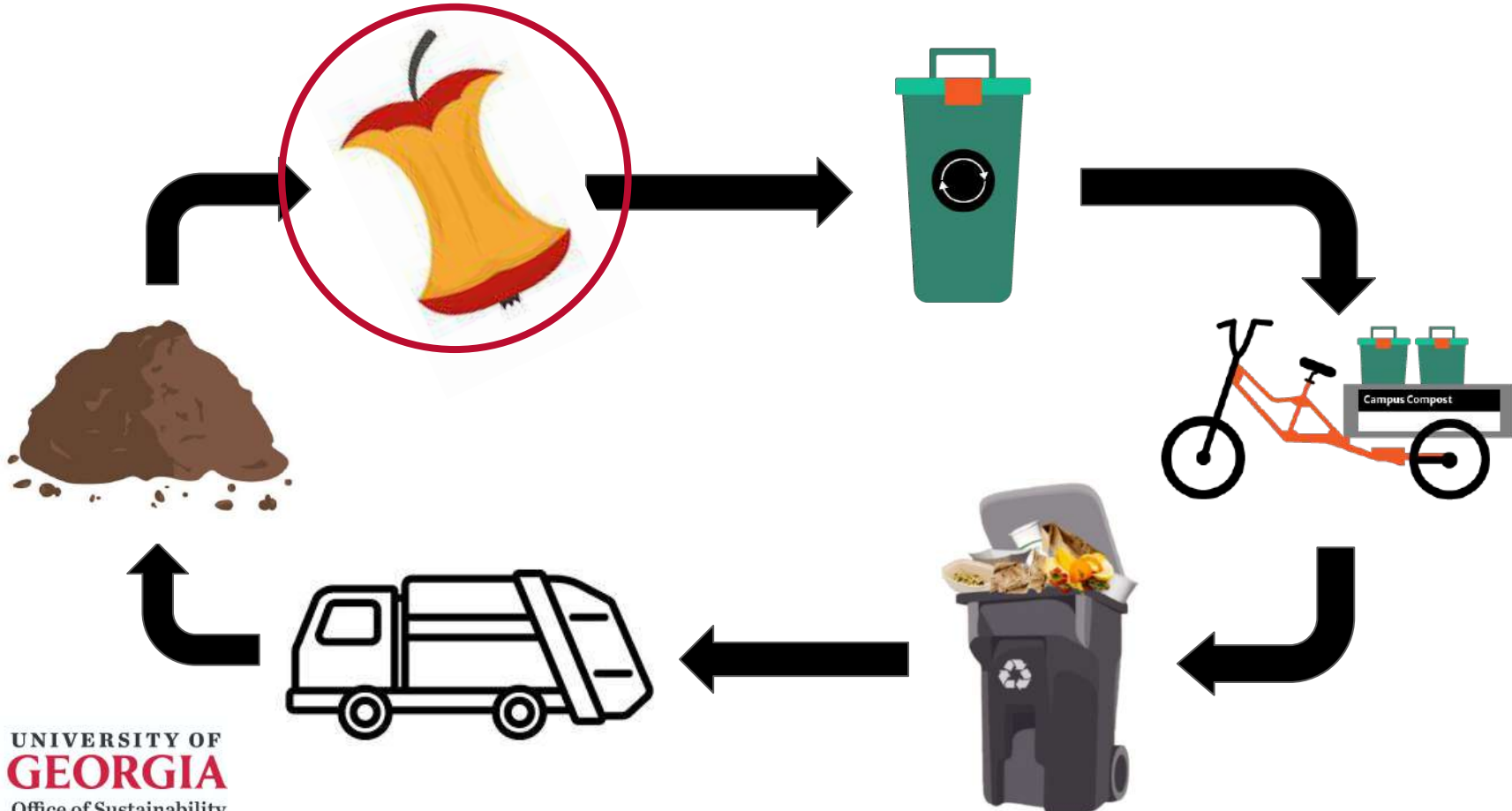
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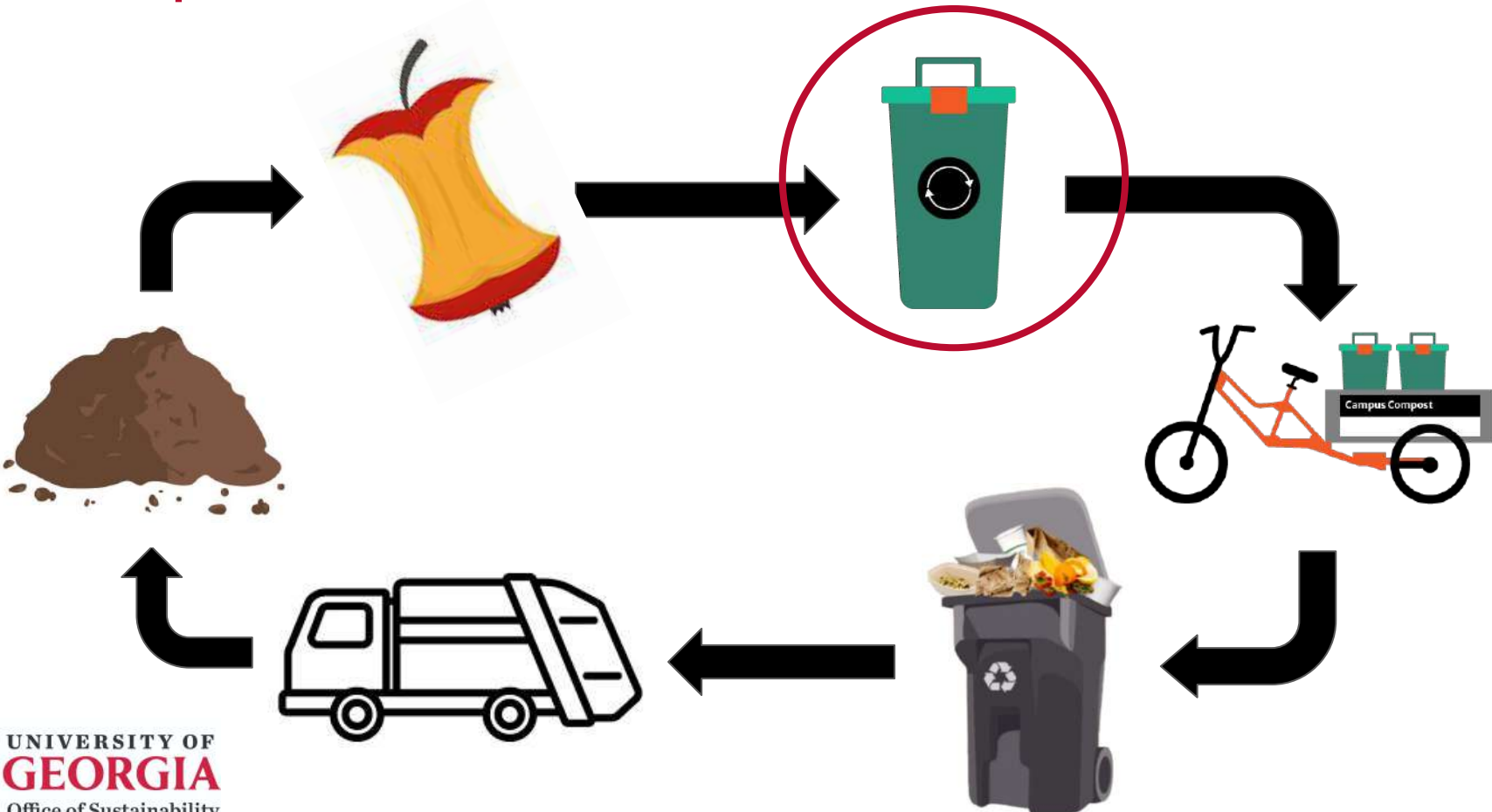
UGA Compost Cycle



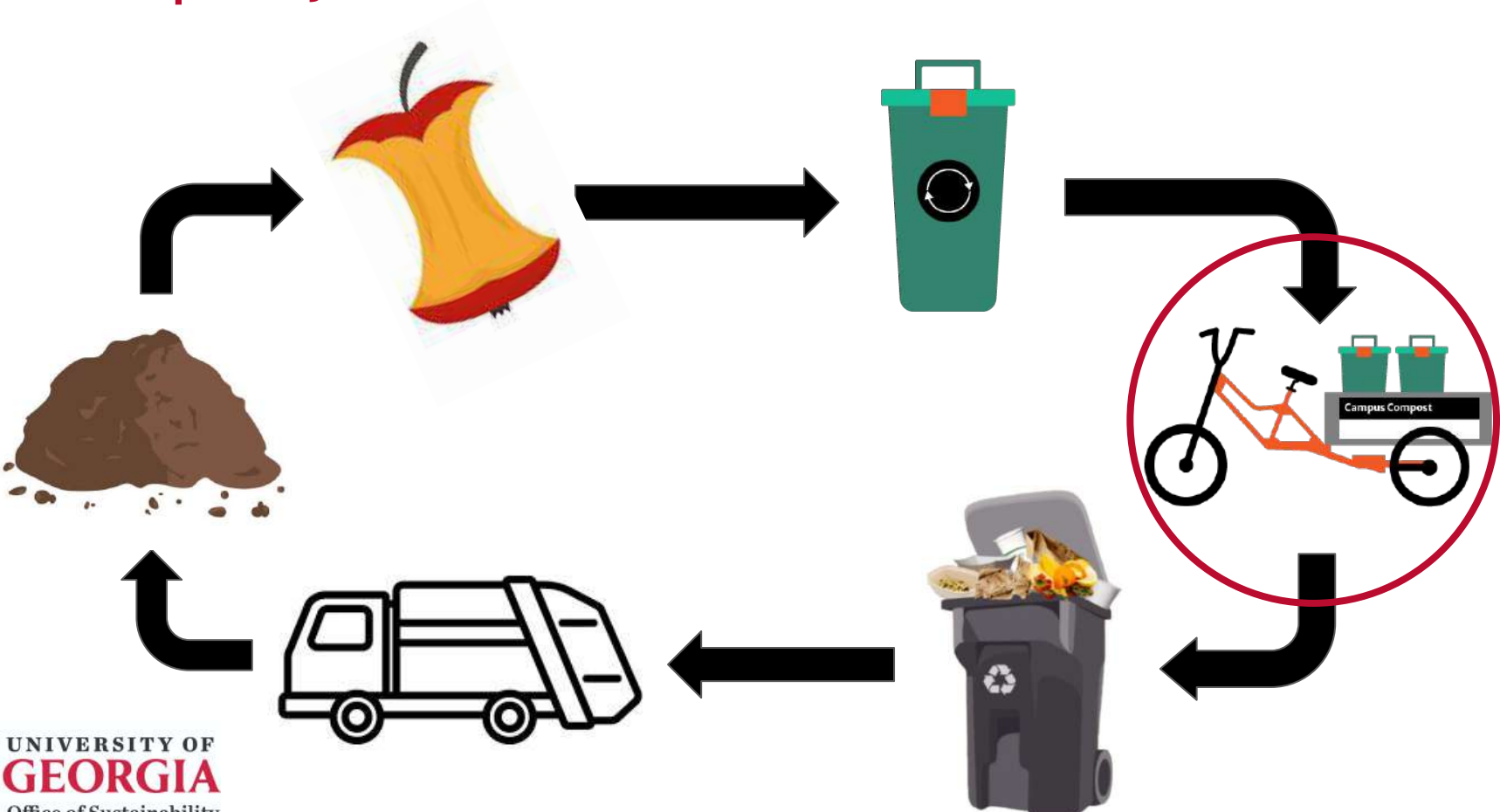
UGA Compost Cycle



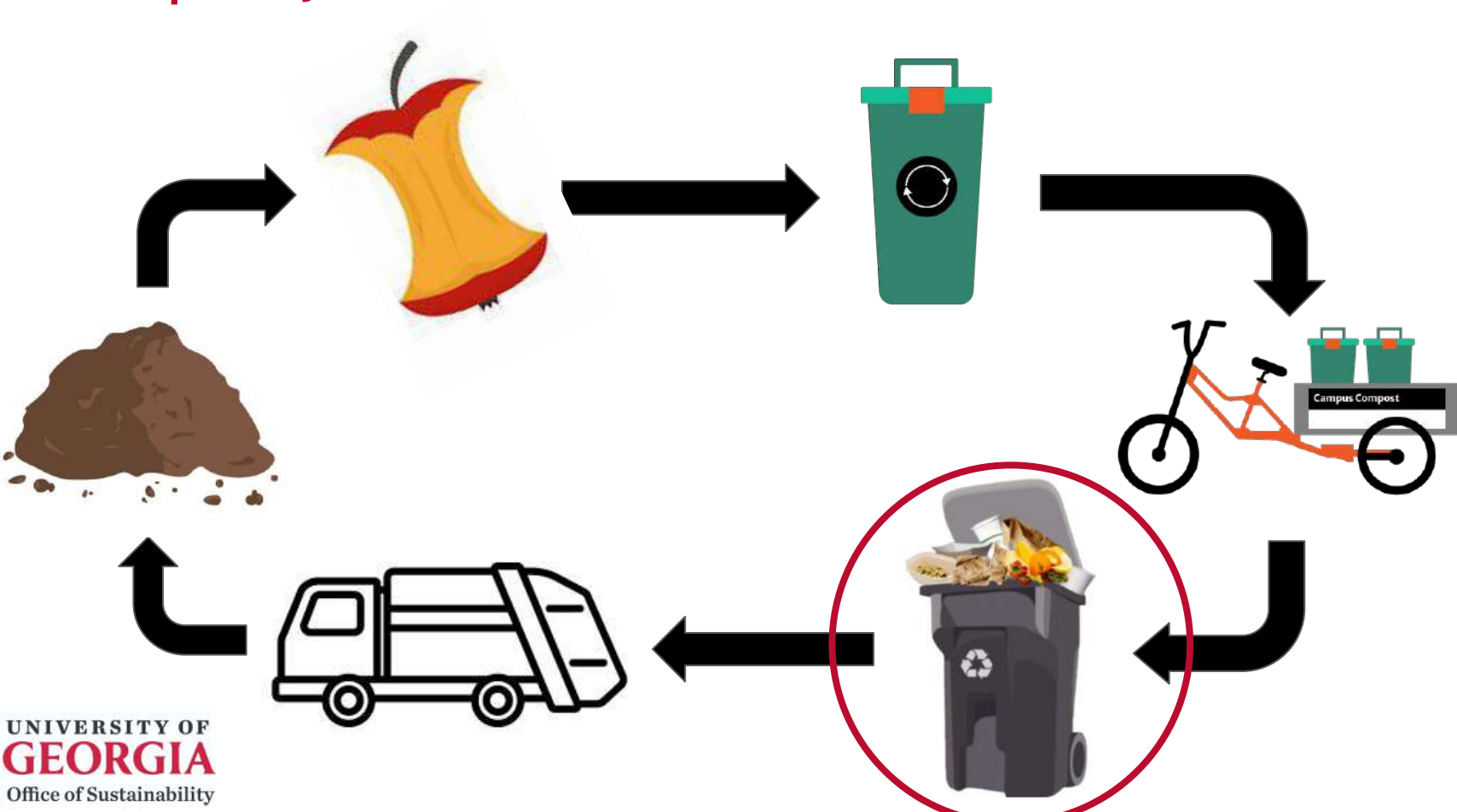
UGA Compost Cycle



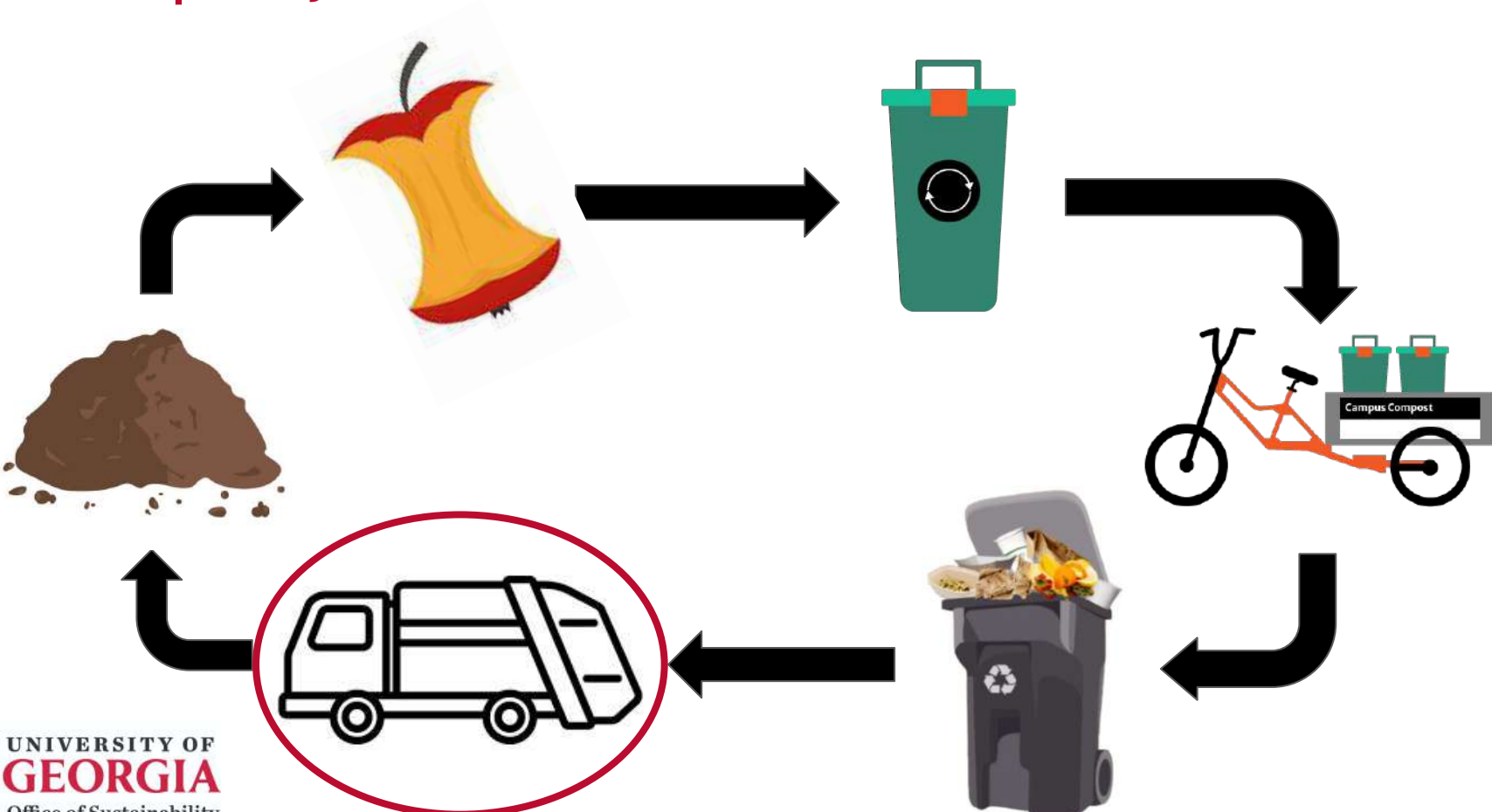
UGA Compost Cycle



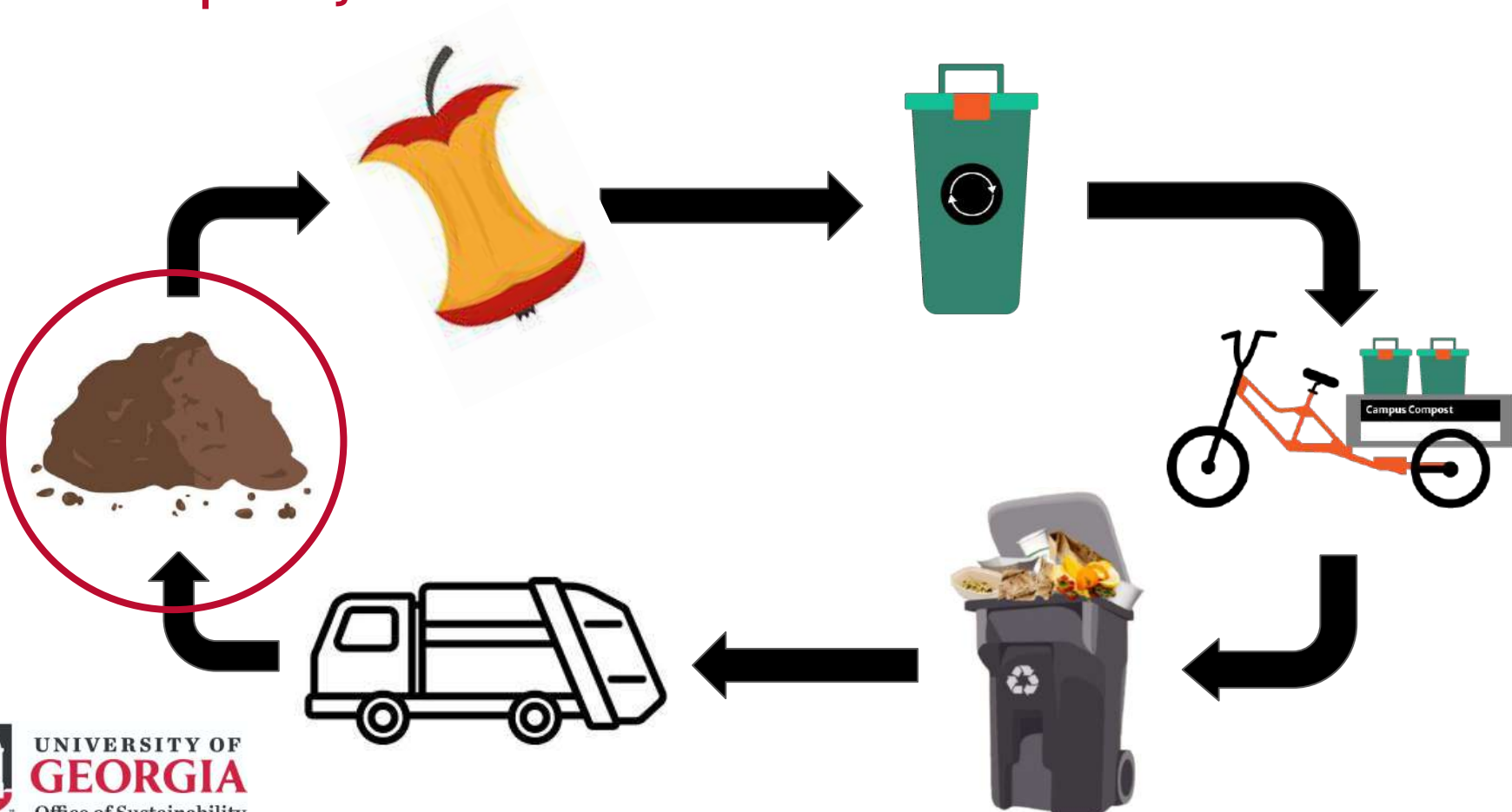
UGA Compost Cycle



UGA Compost Cycle



UGA Compost Cycle



We service

120+

locations on campus

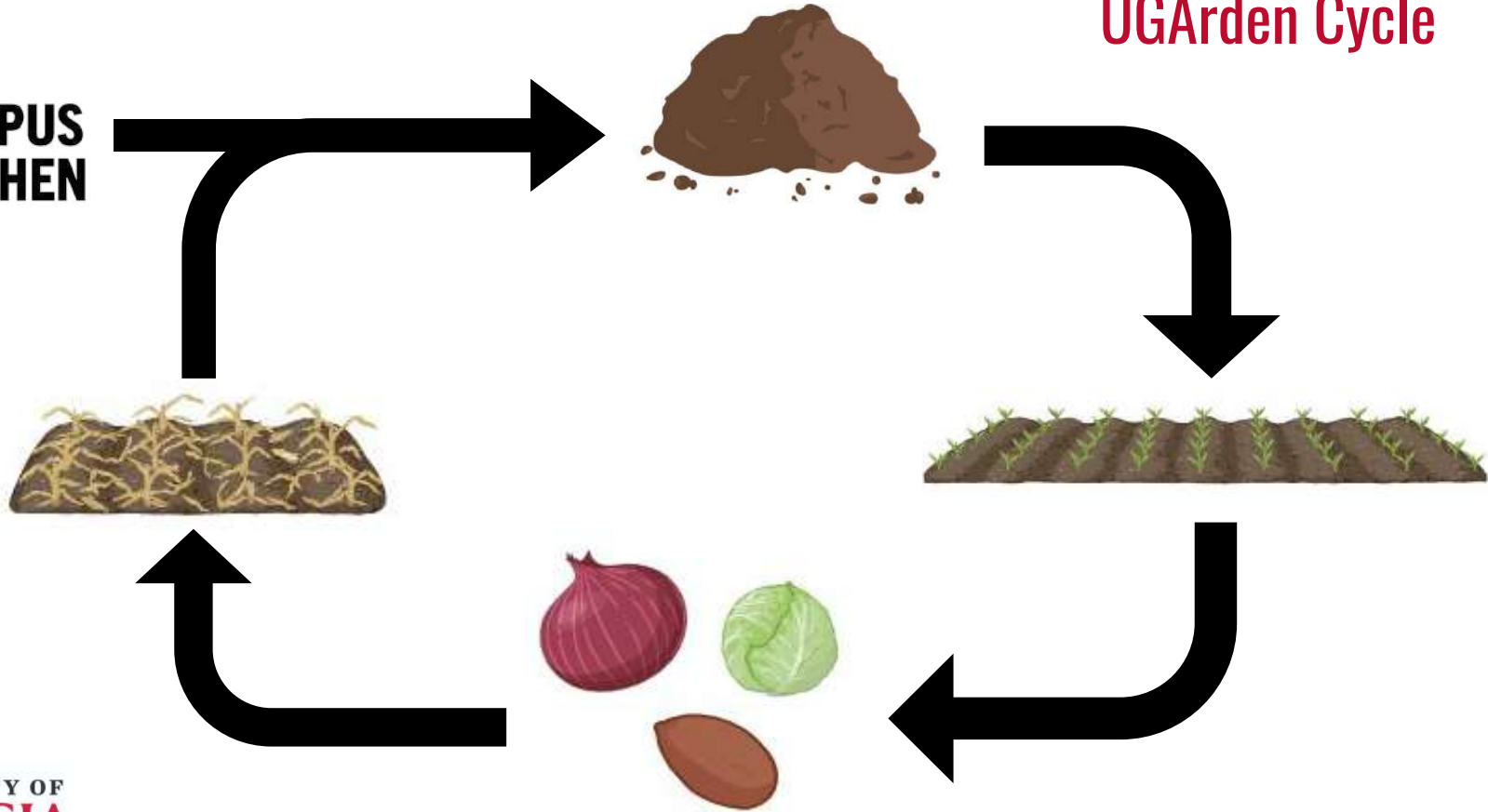
The goal of *Campus Compost*
is to institutionalize
compost on campus



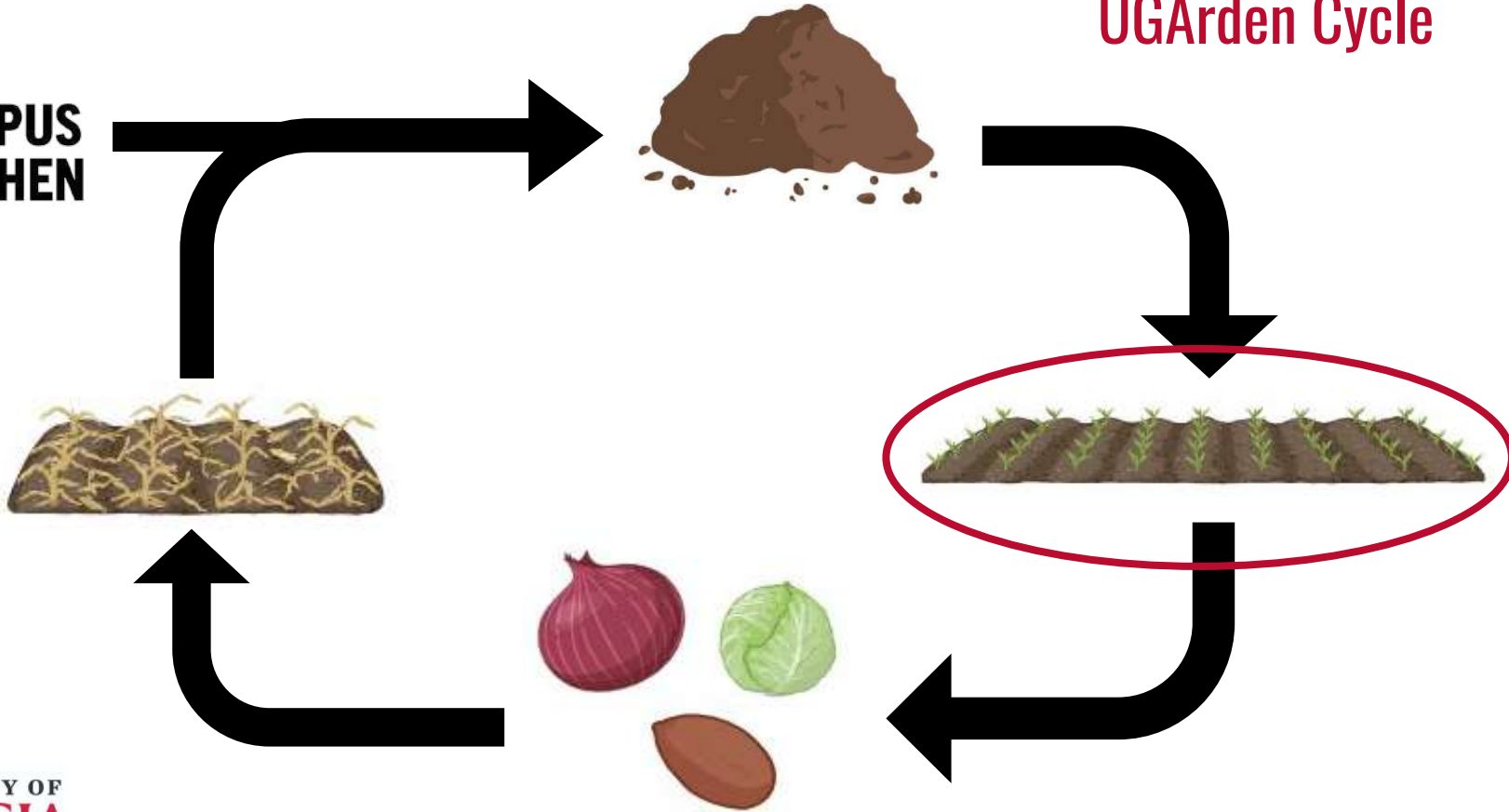
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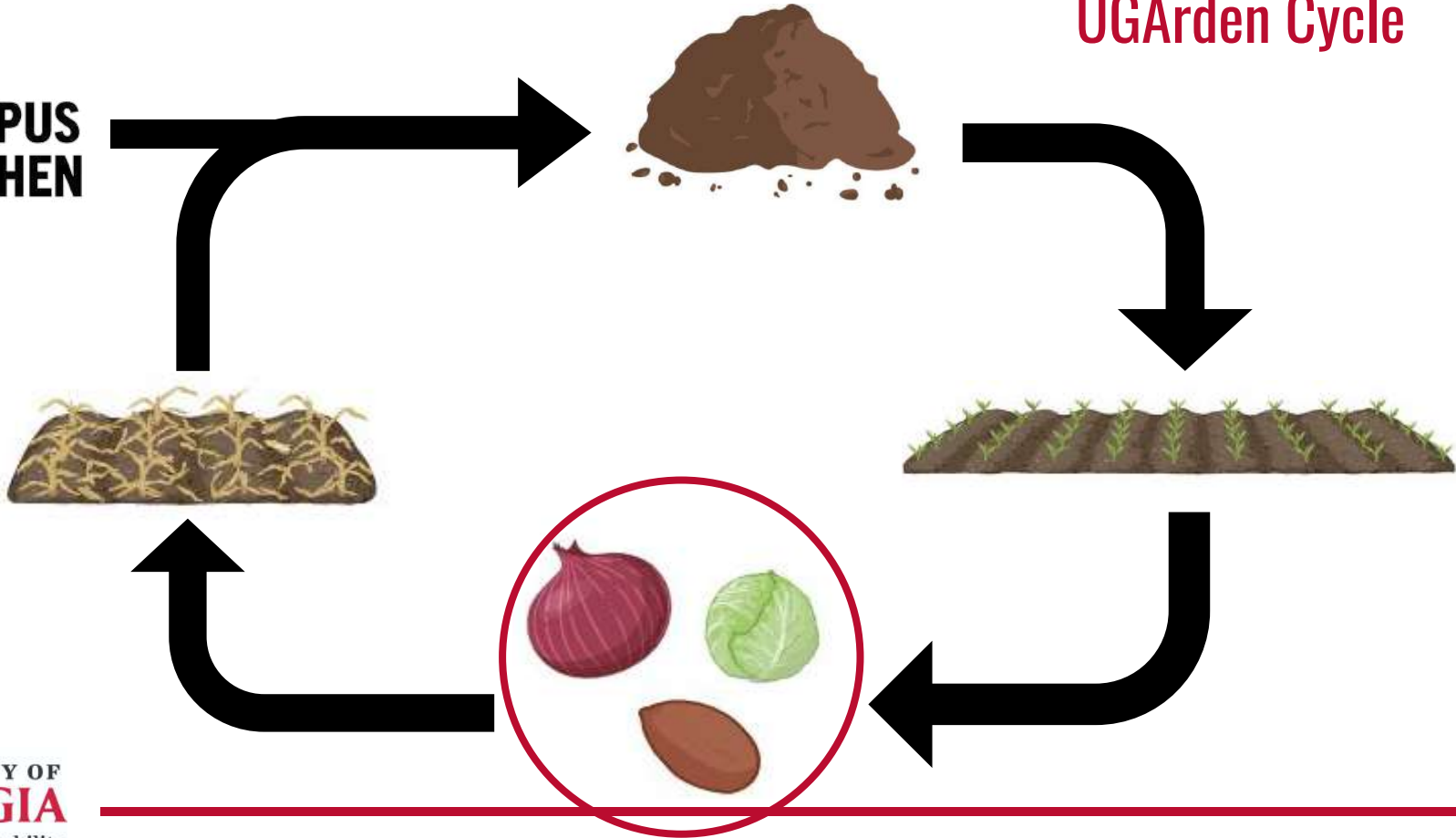
UGarden Cycle



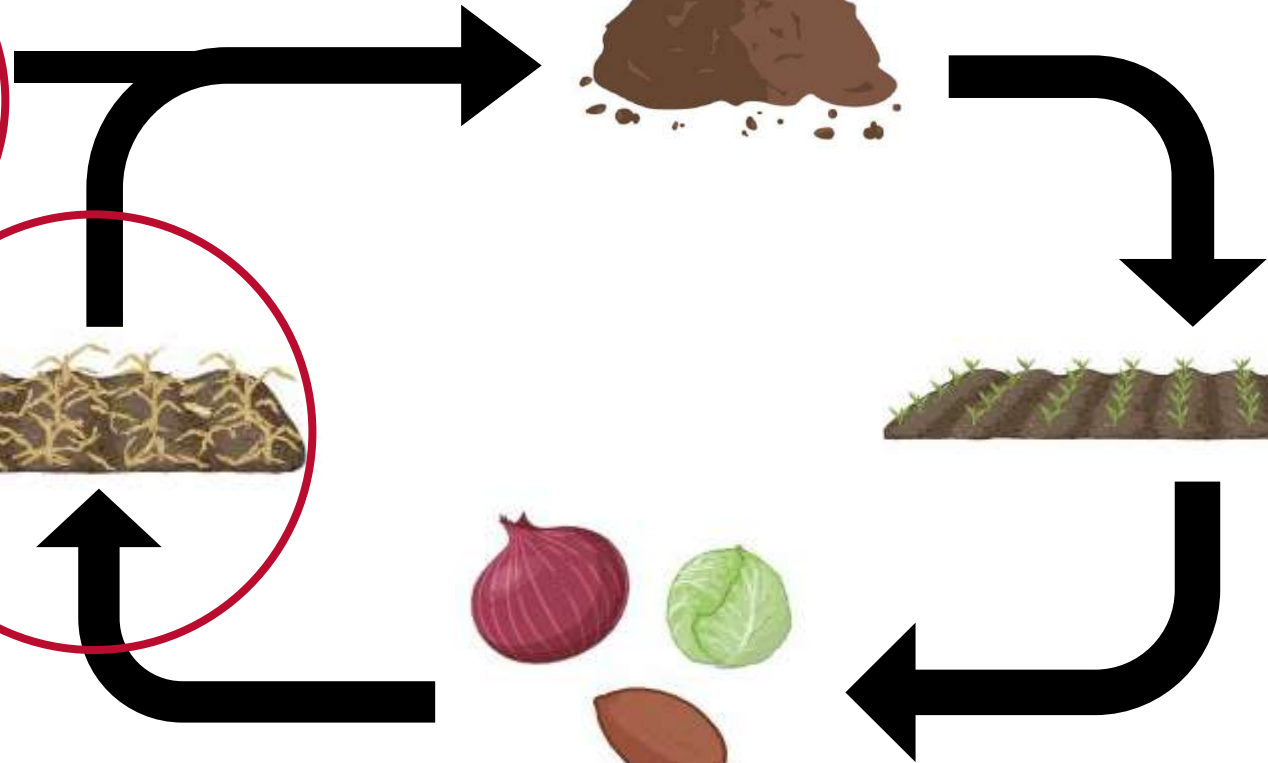
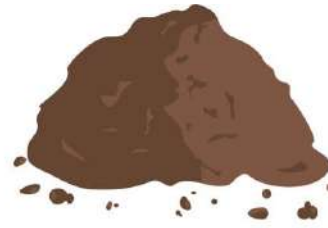
UGarden Cycle



UGarden Cycle

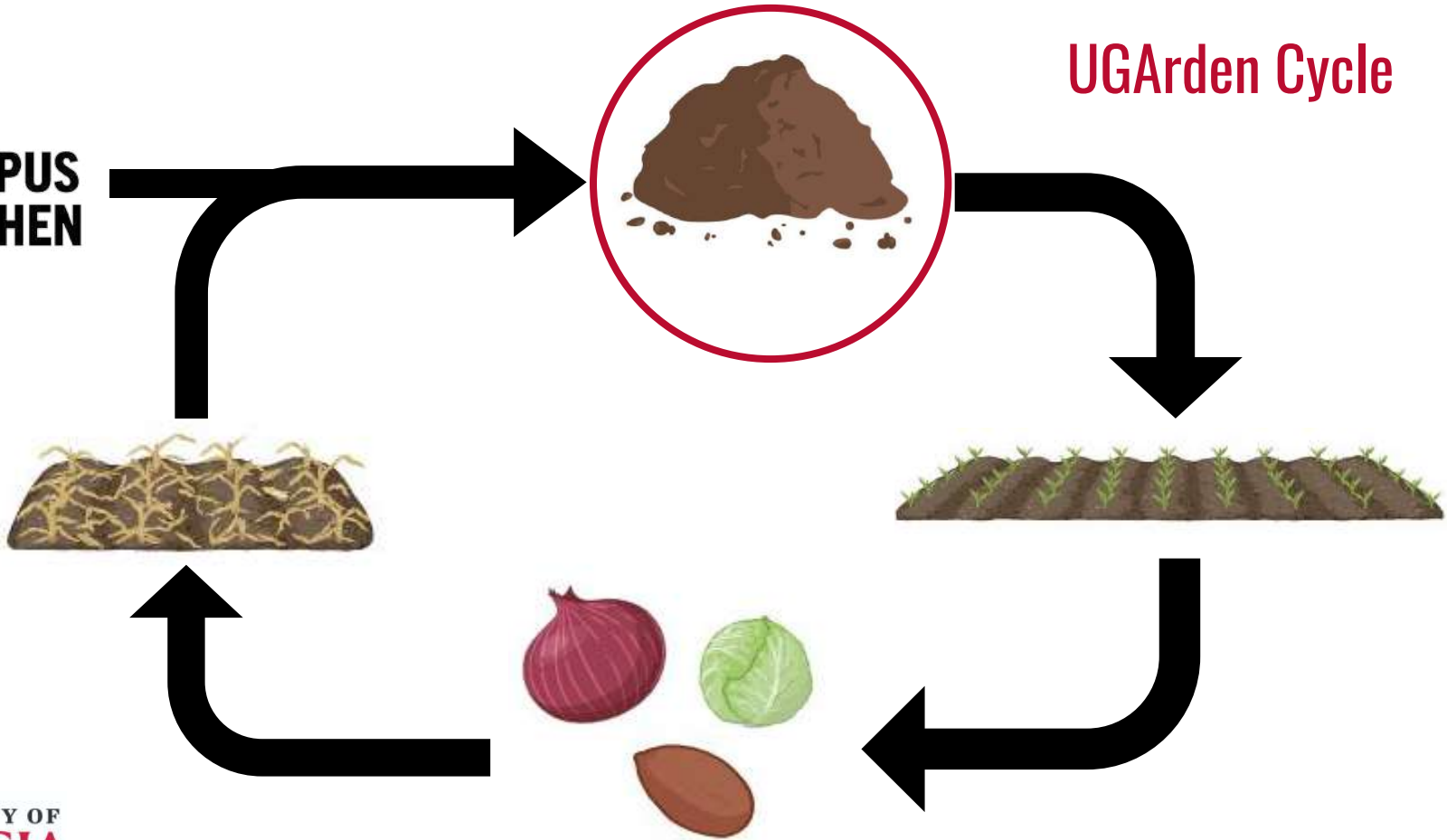


UGarden Cycle



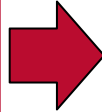


UGarden Cycle



The Composting Process

Feeder Pile



Tilling Process



Curing



Why Compost?

- Compost can improve...
 - *Organic nutrient content*
 - *Soil structure & erosion*
 - *Soil porosity*
 - *Moisture retention*



What Can I Compost?

COMPOST ONLY

Coffee grounds

Paper towels

Food scraps

plastic bottles

dairy

styrofoam

meat

wrappers

This bin is serviced on:

Your intern is:



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The Campus Compost program diverts waste produced on UGA's campus from the landfill. To learn more, scan the QR code or visit our instagram, @ugacompost!



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Waste diverted from landfill in 2023



4.7
tons!

Waste diverted from landfill in 2023

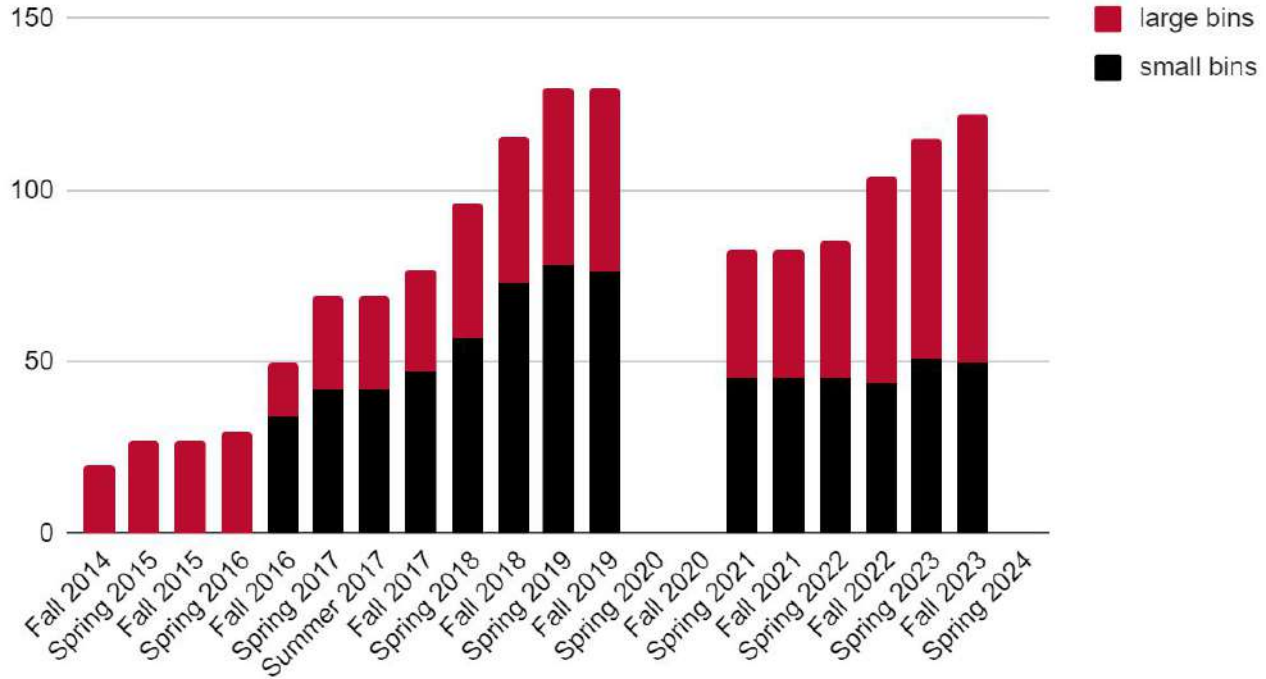




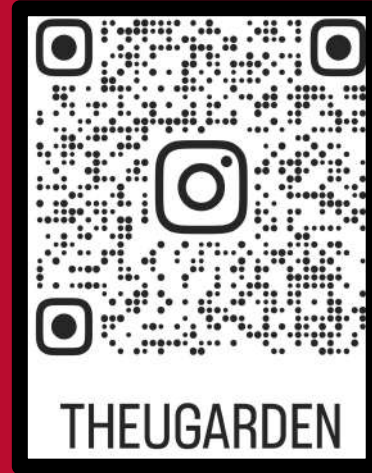
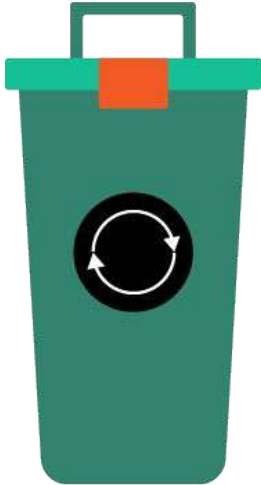
4.7
tons!

Increasing Involvement

Total Number of Compost Bins in Service by Time Period



Thank you!



Please check out our social media!



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Interdisciplinary Sustainability Certificate

Tyra Byers



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Sustainability Certificate Staff



Tyra Byers,
Program
Director



Talley Vodicka,
Program
Coordinator



Colin Peterson,
Graduate
Assistant



Logan Hall,
Undergraduate
Intern

Sustainability Certificate Ambassadors



Ashleigh Gordon
Environmental Economics
& Management



Madison Caren
Ecology (BS) & Environmental
Resource Science



Matthew Davidorf
Environmental
Engineering



Sarah Adams
Landscape Architecture



Logan Hall
Ecology (AB) &
International Affairs



Jasmine Patel
Environmental Economics &
Management



Nicole Cortes
International Affairs



Liora McElvaney
Environmental Health
Science



Interdisciplinary Sustainability Certificate

- Odum School of Ecology *
- Office of Sustainability
- Center for Integrative Conservation
- Graduate School
- Franklin College of Arts and Sciences
- Terry College of Business
- College of Environment + Design
- Warnell School of Forestry
- School of Social Work
- College of Family and Consumer Sciences
- College of Agriculture and Environmental Sciences
- College of Engineering
- School of Public and International Affairs
- College of Public Health
- Grady College of Journalism and Mass Communications

Food Policy in Athens

Allie Maloney, Skylar Perez, Emma Guglielmo



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Problem and Scope

40%

Food Produce is wasted
Annually

Estimated by the Food
Waste Reduction Alliance

- Potential for diversion
- Restaurants
- Grocery stores
- Farmers

15%

Athens Population is food
insecure

24% of Athen's children
are food insecure

- High levels of poverty
- Access to nutritious food
- Effects on overall health

12%

Of Georgia landfills are
food residuals

This makes it the largest
category for solid waste

- Increases size of landfills
- Pollutes methane
- Methane contributes to
greenhouse effect and
climate change



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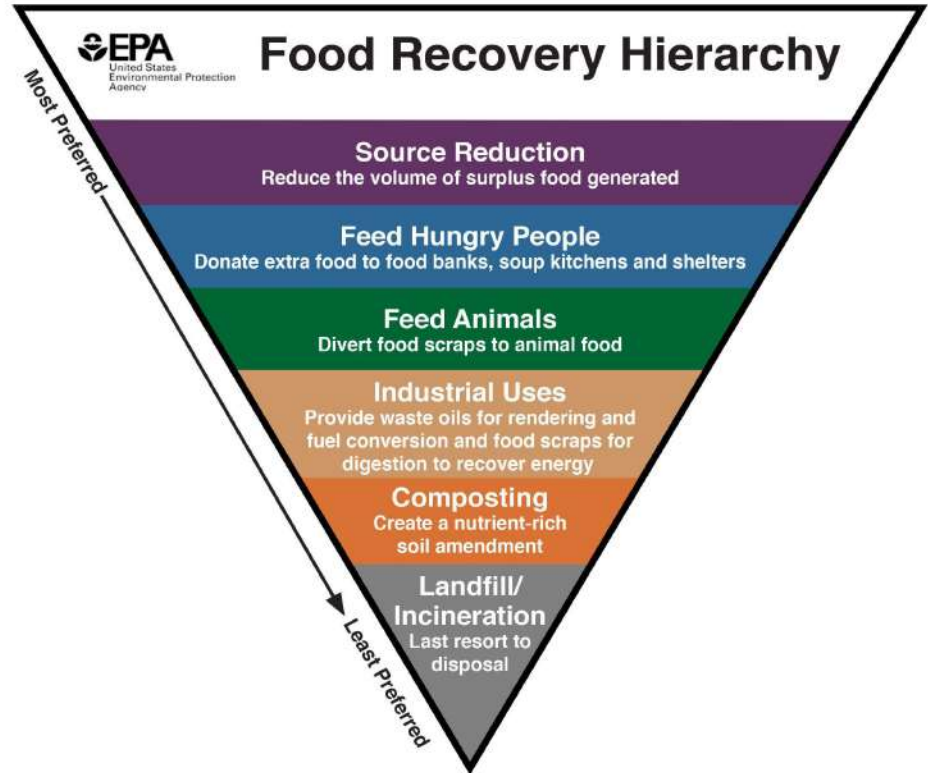
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Status Quo

Federal

Bill Emerson Good Samaritan Act

Federal Internal Revenue Code



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Our Research

Stakeholder Interviews

- Carol Meyers—District 8 County Commissioner
- Grocery Stores
- Restaurants
- Non-profits

Subject Matter Expert Interviews

- Andie Bisceglia
- Sandy Briggs
- Dr. Jennifer Thompson
- Denise Plemmons



THE
CAMPUS KITCHENSM
at the UNIVERSITY
of GEORGIA



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Recommendations

Policy Recommendations

Mandates & Incentives

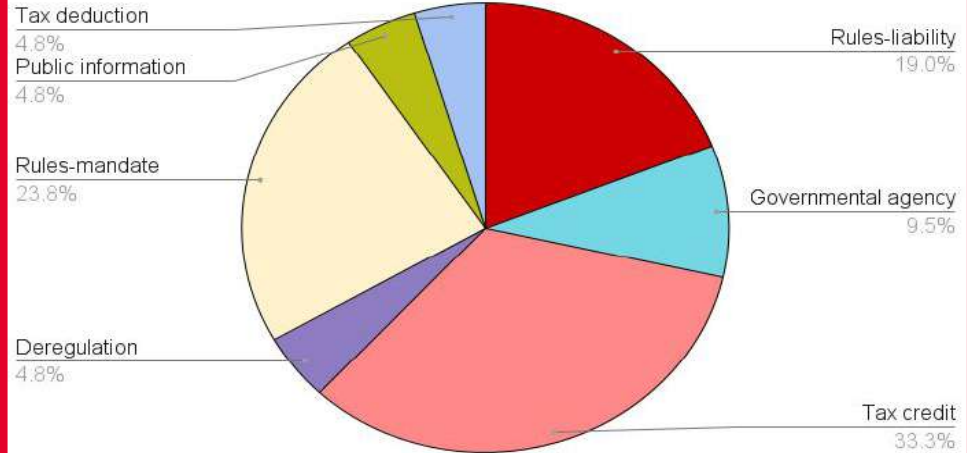
Modeled after Austin TX,
Boulder CO

Abundance Recommendations

Public Information

Matchmaking

Primary Tools in Researched Policies



envision
ATHENS our community • our future



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Our Takeaways

How our project was meaningful to us...

Businesses are willing

All stakeholders are here

Success stories exist

Abundance Athens



Congratulations, Graduates!

Sustainability Certificate



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Rae Jarrard, Environmental Economics and Management

Tatiana Morales, Environmental Engineering

Maci Willetts, Ecology AB



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Rae Jarrard

Major: **Environmental Economics and Management**

Capstone Project: **EcoWorks B-Corp Certification**

Future Plans: **Impacting Investing at Indigo Group**



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Tatiana Morales

Major: **Environmental Engineering**

Capstone Project: **UGA Athletics Zero Waste at Turner Stadium**

Future Plans: **Business Technology Solutions Analyst at Deloitte**



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Maci Willets

Major: **Ecology AB**

Capstone Project: **Yamaha Rightswater
Plastic Boat Cover Recycling Initiative**

Future Plans: **Travel and Volunteer at
Organic Farm in Latin America**



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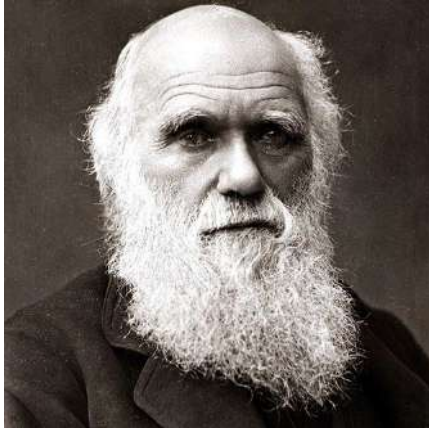
Looking Forward...

Dr. Justin Ellis



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It is not the most intellectual nor strongest species that survives; but the species **best able to adapt and adjust** to one's **changing environment**.

-Charles Darwin

Same principle applies to UGA students meeting the demands of a **modern workplace** and the broader **needs of society**.

One of the best adaptive strategies is to **anticipate the change**.



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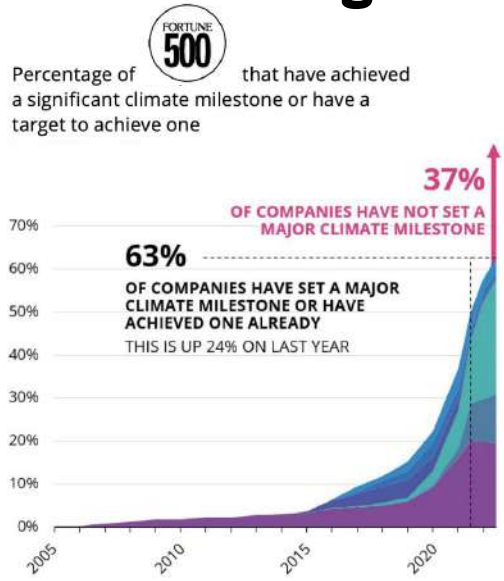
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Futures Thinking

- The ability **to anticipate** how sustainability challenges and solutions might occur over time.
- To prepare for likely scenarios.
- To develop the requisite skills that will be required.



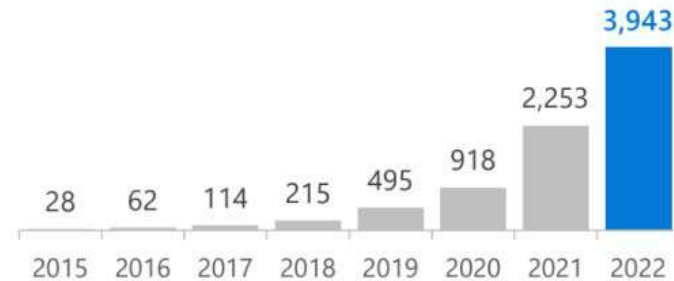
The demand for sustainability trained professionals is growing exponentially



Fortune 500 commitments increased by 21% from 2021-2022

The UN's CSRD is a factor

Companies with science-based targets or commitments to reduce GHG emissions



Source: SBTi (data as of October 29, 2022)



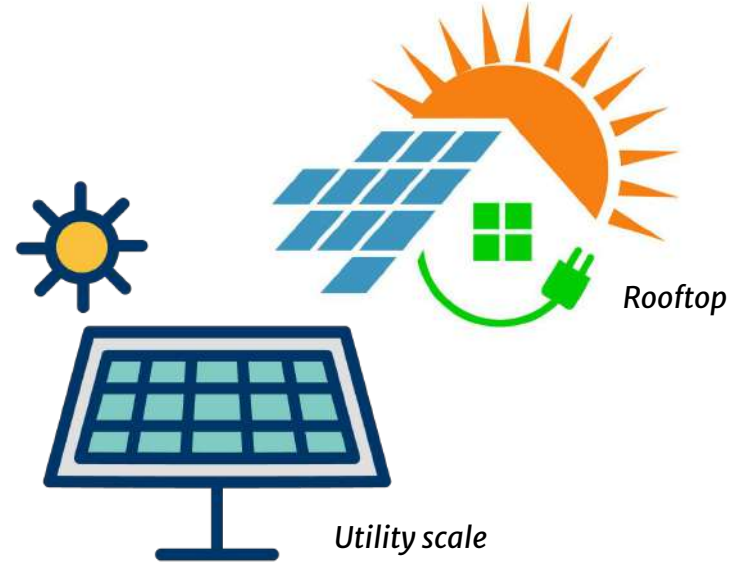
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Clean Energy and Climate Solutions Program



E-Mobility



Solar Technology

The electrification of the economy





Sustainability requires Hyperlocal data.

Skills that make a lasting contribution.

Campus Sustainability Archive Dashboards

Make	Model	ModelYear	Location Name
HICALDAER	1972	1972	Chocopee
FORD	F150 SUPER CAB H...	2001	Chocopee
DODGE	SIACOTA LWB 2WD...	1998	Chocopee
FORD	F-350 VAN	1992	Chocopee
CHEVROLET	IMPALA	2014	Chocopee
CHEVROLET	SIDAN	2008	Chocopee
CHEVY	EXPRESS 3500	2005	Chocopee
FORD	F-350 CLUB	2008	Chocopee
FORD	EXPLORER	2013	Chocopee
FORD	EXPLORATION	2012	Chocopee
CHEVROLET	TAHOE	2012	Chocopee
CHEVROLET	EXPRESS 2600 SO...	2012	Chocopee
FORD	ECONUNE 15 PA...	2014	Chocopee
FORD	SANGER	2004	Chocopee
NRL	NRL HC 7300 BUC...	2007	Chocopee
DMC	1/2 TON F1U	1990	Chocopee
DMC	1/2 TON F1U	1992	Chocopee

FMD Fleet Location Explorer
 Legend:
 Chocopee - 223 Vehicles
 FMD Grounds - 42 Vehicles
 FMD East - 29 Vehicles
 FMD HSC - 18 Vehicles
 FMD Central - 13 Vehicles
 ISD - 12 Vehicles
 Number of Vehicles in Selection: **356**

GIS Data Hub

UGA Living Lab GIS Archive OVERVIEW
 Hyperlocal sustainability data is most effective when it flows as a two-way process, allowing data that has been generated by others, both uploading data from each location that actions are taken and capacity to respond better across all the subjects.
 To learn more about UGA Living Lab, visit our website and subscribe with us to our mailing list to get updates on how the UGA Living Lab and the broader Campus Sustainability Hub work with our website, and make a commitment to difference, today!

Pollinator Program
 UGA Living Lab (Living Lab) provides pollinator work, living through habitat enhancement, education, outreach, research, & collaborative projects learning, stability, safety, staff and the community.

UGA Living Lab - March 2022, ATL
Pollinator Gardens and Acres
Bees on UGA Campus, ATL



YOU'RE INVITED TO THE...

SOUTHEASTERN

STUDENT

SUSTAINABILITY

CONFERENCE

Join us for a weekend
of peer leadership,
knowledge sharing,
and collaboration.

Apply to speak!

FEB 23-25, 2024

Athens, GA



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Office of Sustainability
University Housing



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Campus Sustainability Grants

Ella Filston & Kevin Kirsche



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Southeastern Student Sustainability Conference, Liora McElvaney



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Southeastern Student Sustainability Conference, Liora McElvaney
Reduce, Reuse, Regalia, Cailyn Bowser



Southeastern Student Sustainability Conference, Liora McElvaney
Reduce, Reuse, Regalia, Cailyn Bowser
Graywater Garden at UGArden, Erin Ideker



Southeastern Student Sustainability Conference, Liora McElvaney
Reduce, Reuse, Regalia, Cailyn Bowser
Graywater Garden at UGArden, Erin Ideker
CHaRM x UGA, Emme McCumiskey



Southeastern Student Sustainability Conference, Liora McElvaney

Reduce, Reuse, Regalia, Cailyn Bowser

Graywater Garden at UGArden, Erin Ideker

CHaRM x UGA, Emme McCumiskey

Satellite CHaRM Drop Off, Hannah Chaffee



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Southeastern Student Sustainability Conference, Liora McElvaney

Reduce, Reuse, Regalia, Cailyn Bowser

Graywater Garden at UGArden, Erin Ideker

CHaRM x UGA, Emme McCumiskey

Satellite CHaRM Drop Off, Hannah Chaffee

How do Trash Traps Affect Urban Streams, Birkley Heynen



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Southeastern Student Sustainability Conference, Liora McElvaney

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CHaRM x UGA, Emme McCumiskey

Satellite CHaRM Drop Off, Hannah Chaffee

How do Trash Traps Affect Urban Streams, Birkley Heynen

Project for a Sustainable & Equitable Art School, Larissa McPherson



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Project for a Sustainable & Equitable Art School, Larissa McPherson
Zero-Waste Worship, Camryn Teichman



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Reduce, Reuse, Regalia, Cailyn Bowser

Graywater Garden at UGArden, Erin Ideker

CHaRM x UGA, Emme McCumiskey

Satellite CHaRM Drop Off, Hannah Chaffee

How do Trash Traps Affect Urban Streams, Birkley Heynen

Project for a Sustainable & Equitable Art School, Larissa McPherson

Zero-Waste Worship, Camryn Teichman

Reclaimed Cardboard for Large-Scale Sculpture, Ben Elliot



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Southeastern Student Sustainability Conference, Liora McElvaney

Reduce, Reuse, Regalia, Cailyn Bowser

Graywater Garden at UGArden, Erin Ideker

CHaRM x UGA, Emme McCumiskey

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Enhancing Health Equity: Access to AEDs, Jielu Zhang



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Zero Waste

Mason Towe

COMPOST

EVERYTHING AT THIS
EVENT!



Utensils / Plates / Napkins



Drink Cups



All Food



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Thank you!



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