



3rd Annual

# Sustainability Summit



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# 3rd Annual **Sustainability Summit**

## Welcome

**Kimberly Reeves** | Senior Sustainability Programs Manager



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**Earn 200 PIPs for attending today's  
sustainability event**



# Native Land Acknowledgement

We are standing on the ancestral lands of the Ute, Arapahoe, and Cheyenne People. We pay respects to their elders, past and present.



Janice Gould  
1949-2019



# 3rd Annual **Sustainability Summit**

## **Furthering the Integration of EDI & Sustainability**

**Andrea Herrera** | Assoc. VC for Equity, Diversity & Inclusion



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genuine Environment  
Empowerment  
Survival  
Diversity  
Future generations 1st  
Inclusive growth  
BottomUp Adaptability  
Inclusive  
People focused  
Collaborative  
Just Sustainability  
Common sense  
People  
Access to resources  
Alternative growth  
Healthy communities  
Personcentred  
meaningful  
Grassroots sustainability  
Fairness  
Where economics isnt god  
Inclusivity  
Clean air for all  
Future  
Well-being  
Self contained  
Sustainability  
Safeguarding the future  
Accessible green  
Climate justice  
Equity

# “Just” Sustainability

How do we improve people’s lives  
in a just and equitable manner, and  
how do we do that while living in  
the limits of supporting  
ecosystems?

Respect interdependence of all  
living things

Seventh Generation philosophy

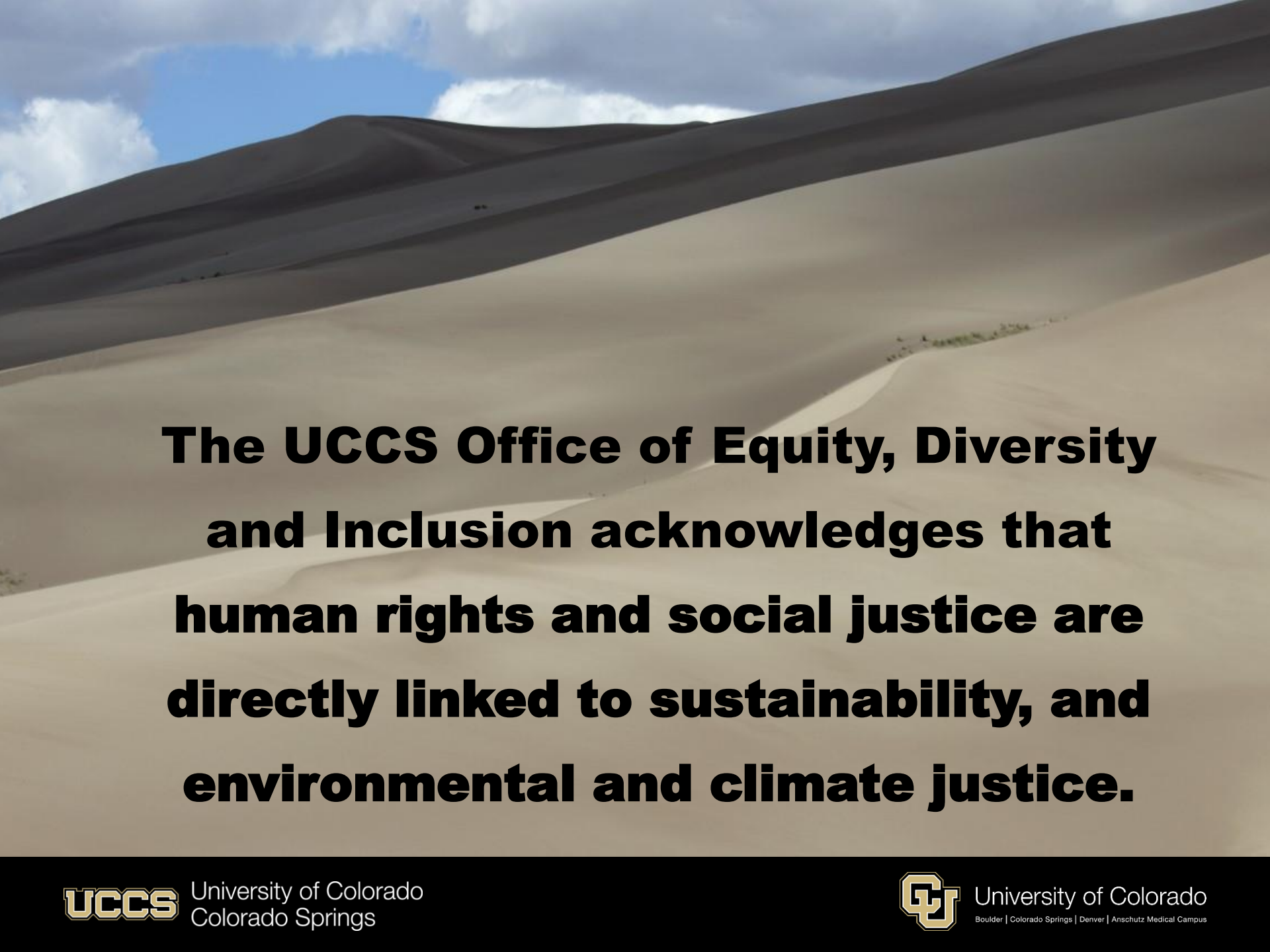


[Julian Agyeman](#)

**“There is no such thing as a single-issue struggle because we do not live single-issue lives.”**

-Audre Lorde, African-American feminist activist and poet





**The UCCS Office of Equity, Diversity  
and Inclusion acknowledges that  
human rights and social justice are  
directly linked to sustainability, and  
environmental and climate justice.**



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**The UCCS Office of Equity, Diversity & Inclusion** aspires to strengthen equity, diversity and inclusion as integral components of academic excellence; and establish the University as a regional and national leader in preparing students for success in a culturally, ethnically/racially diverse global society and workforce, and **improving the quality of life of all campus stakeholders by providing support for a just and sustainable future.**



# UCCS - Equity Diversity and Inclusion Strategic Plan

## Goal:

Develop and support mechanisms for cross-pollination and integration between **sustainability and EDI** strategic planning, leadership, education, and initiatives.

## Outcome:

Provide inspired **sustainability leadership and education** and advance and direct an **informed application of social, environmental, and economic sustainability measures** in all University activities.

## Implementation summary:

Increased collaboration between EDI and sustainability staff.  
Communication strategy to demonstrate the interdependence of EDI and sustainability.  
Ensure that sustainability is included in meaningful way in EDI strategic planning...

# Sustainability Tracking, Assessment, and Rating System, STARS 2.1

**UCCS Gold –Every 3 years with higher thresholds**



## EDI Specific Credits in STARS – 2018

- Diversity and Equity – Score 1.78/2.00
- Assessing Diversity and Equity – Score 1/1
- Support for Underrepresented Groups – Score 2/3
- Affordability and Access – Score 2.54/4

# United National Sustainable Development Goals





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### **UCCS and System Level Sustainability**

**Kent Marsh | Assoc. VC for Campus Planning & Facilities Management**



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# NATIONALLY RECOGNIZED PERFORMANCE

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- AASHE STARS – 2018 – Gold rating– 74.27
- AASHE Sustainable Campus Index 2019 – 6<sup>th</sup> Overall Top Performer (master's level institutions)
- AASHE Sustainable Campus Index 2019 – 8<sup>th</sup> Top Energy Performer
- Sierra Cool Schools - 2019 – Ranked 25/282
- Princeton Review Green Honor Roll 2020 – 1 of 26 schools to achieve highest score of 99
- EPA - Green Power Partnership – largest green power user in RMAC (RECS purchase)



# BENEFITS OF SUSTAINABILITY STRATEGIES

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- Avg. yearly savings in 13 LEED bldgs. - \$533,862
- Cumulative cost avoidance from LEED bldgs. - \$3,403,077
- Retrofit & conservation projects = over \$3 million in cost avoidance since 2006
- Evidence supporting sustainability's influence on admissions decisions - important to 64% of students



# AREAS WHERE UCCS SCORES WELL

- Gen ed requirement of sustainability (Compass Curriculum)
- Over 75% of electricity offset by on-site solar, solar gardens, purchase of RECs
- All new buildings – since 2007 - LEED Gold (13)
- Comprehensive Sustainability Strategic Plan (2012-2020)
- Student engagement
- Collaboration with community
- Innovation



# CLIMATE COMMITMENT AND ENERGY GOALS

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- On target for 2020 Climate Goals of 20% reduction of ghg emissions(with RECs)

## CHALLENGES

- Success based on RECS - no direct ROI
- Renewable products from CSU cost prohibitive
- Local PUC has low renewable energy goal (20%)(Excel=100%)

## OPPORTUNITIES

- System leveraging of renewables to reduce costs
- Energy Performance Contracting to improve efficiency and reduce operating costs
- Alternative technologies (geo-exchange)



# OPPORTUNITIES AND STRATEGIES

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- Update Climate Action Plan (for 2030)
- Update Sustainability Strategic Plan (for 2030)
- **Operations** - Increased focus/investment on energy and water savings, fleet, food products
- **Purchasing** - Leverage system size to develop coordinated approach and buying power
- **Renewables** - Transition from RECS to on-site generation and green power purchases from local PUC
- Energy curtailment (voluntary)
- Investigate potential for shutting down select buildings over summer





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## **UCCS Tree Ring Lab and Sustainability Minor**

**Christine Biermann** | Asst. Professor, Geo. & Environmental Studies



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# What Kind of Times Are These

*By Adrienne Rich*

There's a place between two stands of trees where the grass grows uphill  
and the old revolutionary road breaks off into shadows  
near a meeting-house abandoned by the persecuted  
who disappeared into those shadows.

I've walked there picking mushrooms at the edge of dread, but don't be fooled  
this isn't a Russian poem, **this is not somewhere else but here,**  
our country moving closer to its own truth and dread,  
its own ways of making people disappear.

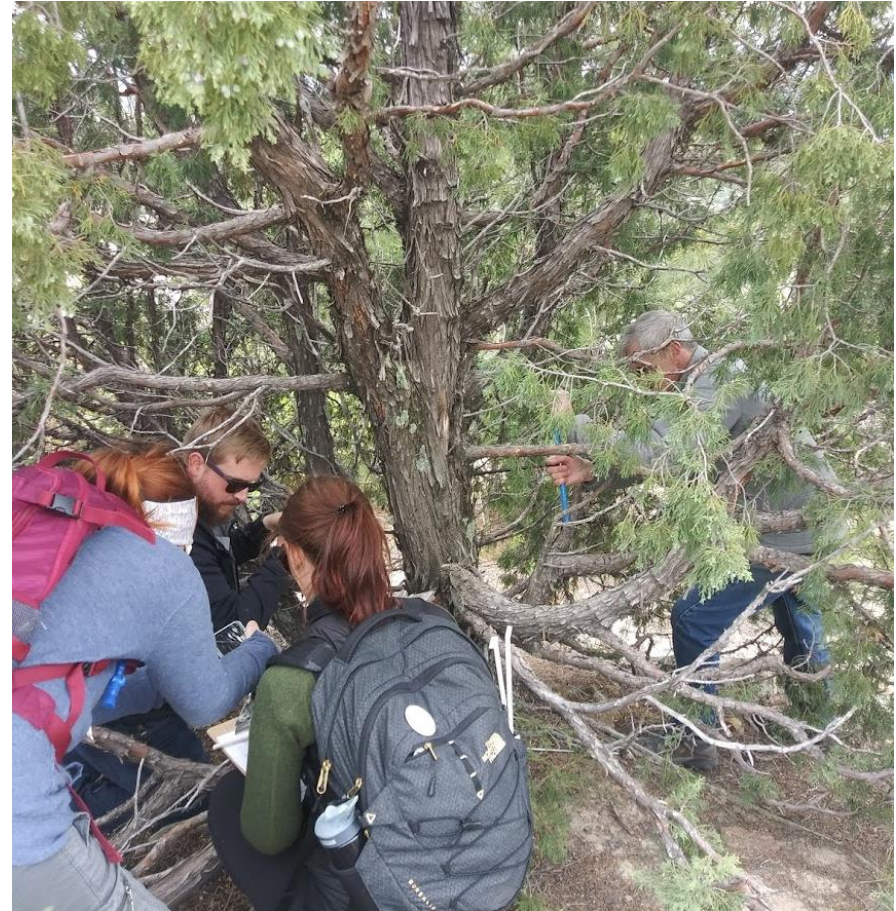
I won't tell you where the place is, the dark mesh of the woods  
meeting the unmarked strip of light—  
ghost-ridden crossroads, leafmold paradise:  
I know already who wants to buy it, sell it, make it disappear.

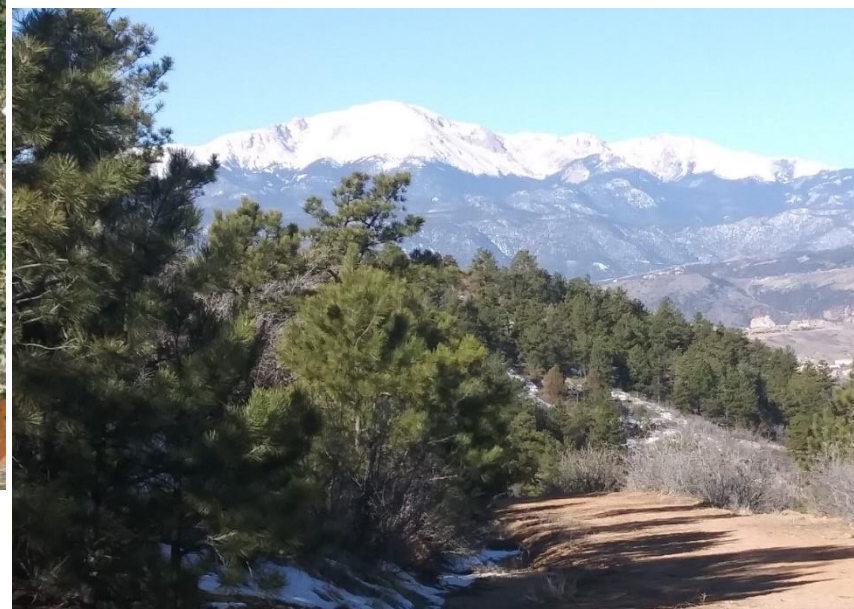
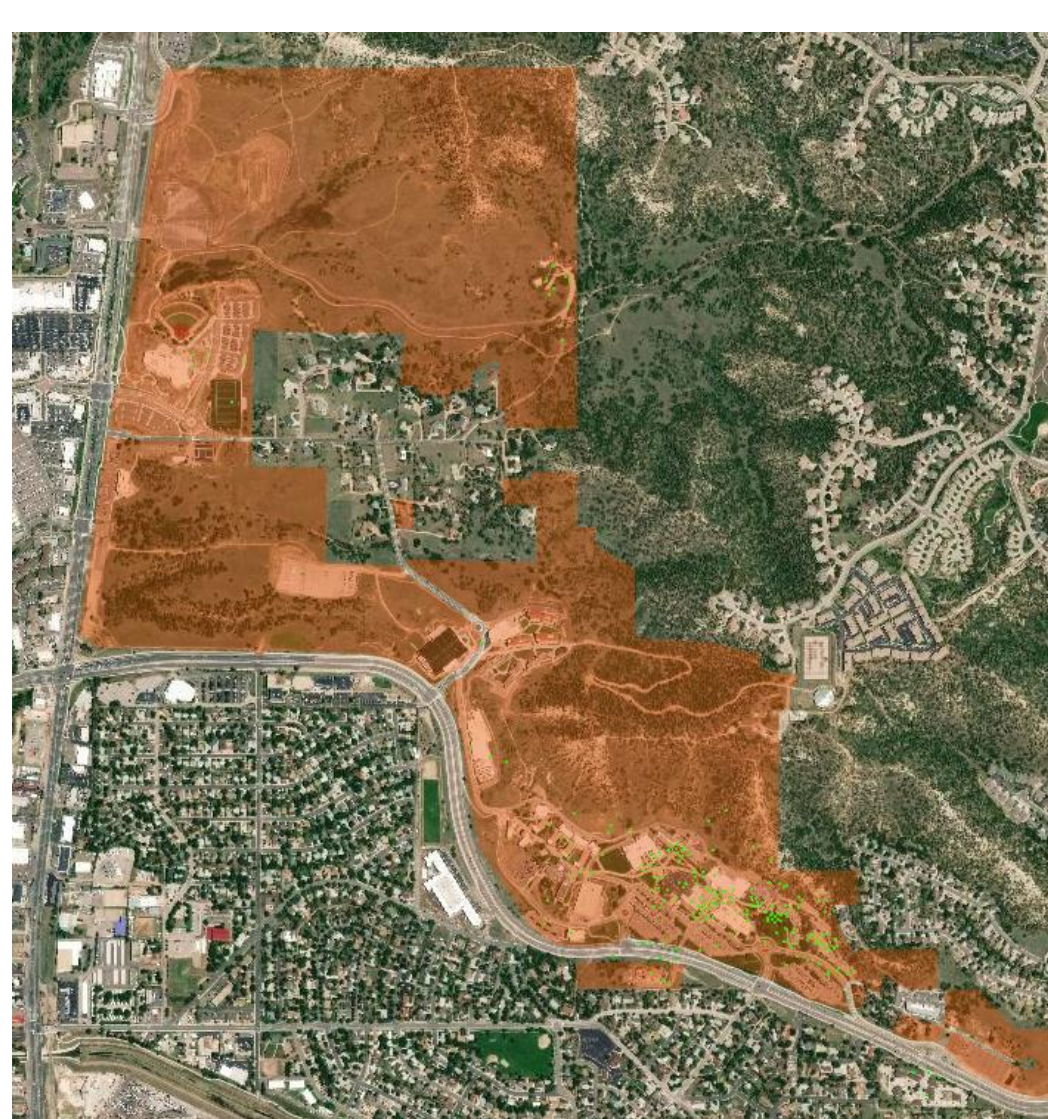
And I won't tell you where it is, so why do I tell you  
anything? Because you still listen, **because in times like these  
to have you listen at all, it's necessary  
to talk about trees.**



# PROJECT GOALS

1. Analyze how **global change-type droughts** are impacting montane woodland-shrubland ecosystems of UCCS and Colorado Springs
2. Use this information to provide insight into local ecosystems' **resilience** to drought (and other environmental changes)
3. Ground abstract concepts in local environments; foster **a sense of place** and **responsibility to place** in students





# Campus as a Living Lab



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# Alannah Ward

Geography & Environmental Studies Major, Sustainability Minor



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# Sustainability Minor

- **32 students with declared minor**
- **Coming from six different majors (all within LAS)**
- **Old Name: Minor in Sustainable Development**
- **Two required courses**
  - Introduction to Environmental Studies and Sustainability (GES 1500) and Sustainability Seminar (GES 4800)



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## **Green Action Fund**

**Alex Jobe** | Graduate Student + GAF Project Coordinator

**Hannah Daugherty** | Undergraduate Student + Chair



# Mission

- The Green Action Fund **reduces the ecological footprint** of UCCS and **promotes sustainable environmental, social and economic values** through a variety of **student-led projects**
- \$5/semester student fee - approved by students

# Grant Opportunities

- Small (<\$14,999)
- Large (\$15,000+)
- Research Seed (<\$5,000)
- Sustainability Conferences



# FY12-20 Impact Summary

- **\$822,298** invested
- **133** projects
- **20** departments /organizations represented



- Renewable Energy
- Transportation
- Natural Environment
- Energy & Water Conservation
- Waste Reduction
- Health & Wellness
- Agriculture
- Education

# PV Installation Course

Spring 2019 approval

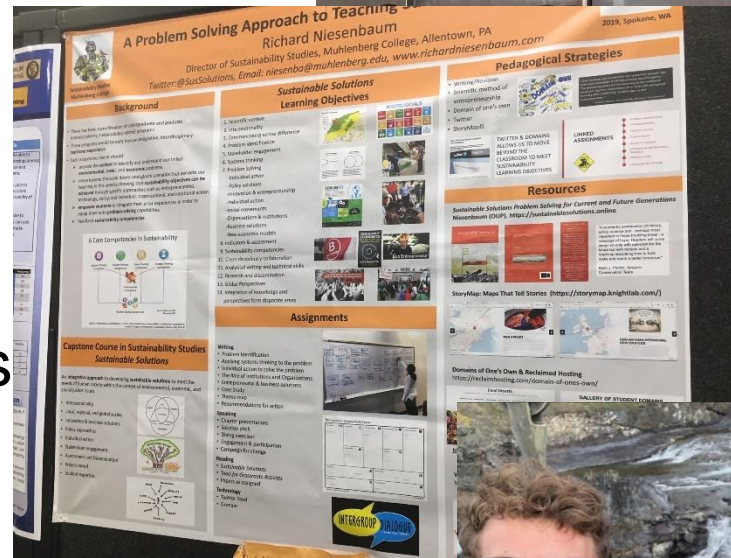
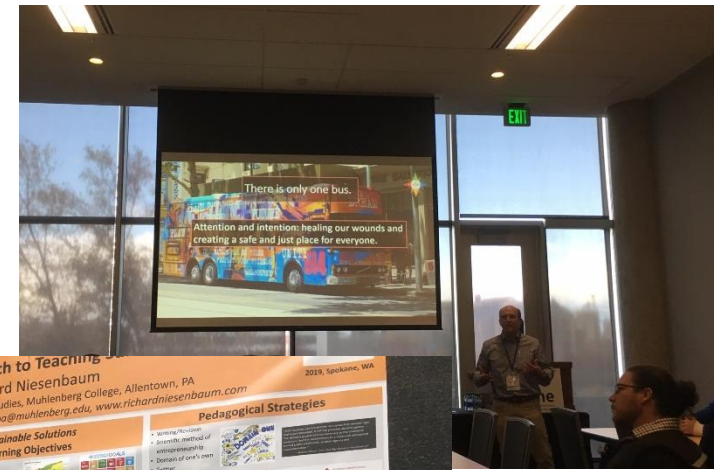
- Goals: provide experiential learning opportunity for UCCS students to design and install a photovoltaic system and help the Sustainability Demonstration House reach net zero energy
- 8 scholarships – 14 students directly impacted
- \$16,050.00 invested



# 2019 AASHE Conference

Spring 2019 approval

- Goals: The 2019 Association for the Advancement of Sustainability in Higher Education Conference is an opportunity for students to engage & discuss effective models, policies, research, & collaborations relating to sustainability.
- 4 students attended



# Outdoor Services- Plant ID Signage

Fall 2018 approval

- Goals: help campus community identify plants to use in their own yards along with native water wise and Plant Select® plants that use less water
- 4 students directly involved
- \$1,693.98 invested



Identify



Organize



Install

# Clyde's Cupboard Fresh Food Program

Fall 2018 approval

- Goals: provide fresh fruits and vegetables to the existing food pantry and provide reusable tote bags for students to positively address stigma
- Over 100 students using the Fresh Food Program
- Over 750 students received reusable tote bags
- \$2,903.00 invested



# Native Bat Habitat

Spring 2019 approval

- Goals: Construct a bat house and implement a water source to increase biodiversity on campus and educate students about the importance of wildlife and its positive impacts on the environment.





**What next? Submit your ideas!**

**[st-sus01@uccs.edu](mailto:st-sus01@uccs.edu)**

**719.255.3089**



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## **Positive Impact Points**

**Ryan Maikell** | Undergraduate Student + PIPs Engagement Specialist



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# What are PIPs?

## Positive Impact Points

- **Earned by completing sustainable actions**

Riding your bike,  
studying at academic commons, etc.

- **Redeem for**  
Trader Joes gift cards, etc.
- **PIPs for School** – Earn a 1:2 match



## PIPs ACTIVITY AND IMPACT 10-19

USERS
1394 TOTAL USERS
293 NEW USERS OCTOBER
29% ACTIVE USERS
PIPS
2,100,000 TOTAL AVAILABLE
836,281 AWARDED TO DATE
60% %AGE PIPS REMAINING

ACTIONS
33,714 All UCCS Earn Actions Taken to date
19,277 All UCCS Earn Actions Taken in October
Top Earn Actions - Refilling water bottles, recycling, riding bus
PARTICIPATION
489 Eating UCCS Food Next Door
72 Clean the Stream Volunteering
72 Touring UCCS Sustainability Demo House

IMPACT (since launch in August)		
Carbon Saving Actions	Total Actions Taken	Impact (lbs CO2 saved)
Refilling Water Bottles	13,484	2461
Recycling	6618	2364
Riding the bus	1324	1570
Biking*	69	89
<b>Total CO2 Saved</b>		<b>6490 lbs of CO2 saved</b>
<b>Equivalency</b>		<b>57 Trees Planted</b>

VALUE
 PIPS FOR SCHOOL 30,000 PIPS COMMITTED IN 10/19; 57% OF ALL PIPS USED
 27 GIFT CARDS, CREDITS REDEEMED IN 10/19; 59% FOR FOOD
 AT LEAST \$140 REDEEMED LOCALLY IN 10/19

\* Does not include most rides in October



# pips Future

- **Next Steps:**
  - **Focus groups + survey**
  - **Increase local partnerships for redemption options**
  - **Cross-campus marketing**
  - **More trivia contests**



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## **LED Retrofit in Gallogly Recreation & Wellness Center**

**Skyler Rorabaugh** | Director of Campus Recreation



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# Add a Lot of Light Into Your Life

## **Campus Recreation LED Lighting Upgrades**



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# LED Light Upgrade Benefits

**Energy efficiency;** extended periods, aim light (don't emit light—and heat). 75% less, 25 times longer

**Extended life;** 30,000–50,000 hours, incandescent bulb = 1,000 hours, fluorescent = 8 to 10,000 hours, maintenance

**Cold temperature operation;** LEDs love the cold unlike fluorescent lamps

**Durability;** Without filaments or glass enclosures, breakage resistant and largely immune to vibrations

**Instant on;** Most fluorescent and HID lamps require three minutes or more

**Rapid cycling;** LEDs are unaffected by rapid cycling

**Controllability;** semiconductor devices inherently compatible with controls. Dimmed to 10 percent of light output

**No IR or UV Emissions;** LEDs emit virtually no IR or UV

## THE RIGHT CHOICE

LEDs are the right choice for all applications because of their energy efficiency; selection should be based on a combination of factors, including light quality and distribution, dimmability, and expected lifetime.



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# Aquatics Center; Summer 2017

<b>Pre-Existing Fixture Type</b>	<b>1-400 Metal Halide</b>
Watts Per Fixture	400
Number of Fixtures	28
<b>Post Retrofit Fixtures</b>	<b>125w-LED</b>
Watts Per Fixture	125
Number of Fixtures	28
<b>Yearly Hours of Operation</b>	<b>4818</b>
Savings in kilowatts	7.70
Savings in kilowatt hours	48,228 = \$4,292 savings
<b>Materials Cost</b>	<b>\$7,000</b>
Labor Cost	Internal Building Trades
CSU Rebate	<u>\$3,453</u>

# South Fitness Center; Summer 2018

<b>Pre-Existing Fixture Type</b>	<b>2-F32t8</b>
Watts Per Fixture	64
Number of Fixtures	103
<b>Post Retrofit Fixtures</b>	<b>T813w</b>
Watts Per Fixture	26
Number of Fixtures	103
<b>Yearly Hours of Operation</b>	<b>5,824</b>
Savings in kilowatts	3.93
Savings in kilowatt hours	29,633.7 = \$2,637 savings
<b>Materials Cost</b>	<b>\$6,300</b>
Labor Cost	Internal Building Trades
CSU Rebate	<u>\$1,694.82</u>



# Rec Center South Gyms; Spring 2019

<b>Pre-Existing Fixture Type</b>	<b>F54T5-835</b>
Watts Per Fixture	324
Number of Fixtures	34
<b>Post Retrofit Fixtures</b>	<b>IBL 24L ND 277 LP750 WGX</b>
Watts Per Fixture	245
Number of Fixtures	103
<b>Yearly Hours of Operation</b>	<b>6935</b>
Savings in kilowatts	7.10
Savings in kilowatt hours	63,973.99 = \$5,693 savings
<b>Materials Cost</b>	<b>\$8,000</b>
Labor Cost	\$5,400
CSU Rebate	<u>\$2,350.34</u>

# Rec Center South Offices; Winter 2020

<b>Pre-Existing Fixture Type</b>	<b>4-F32T8 / 2-G24q-3</b>
Watts Per Fixture	128 / 52
Number of Fixtures	36 / 36
<b>Post Retrofit Fixtures</b>	<b>T813w / CDL-6-21w-3500k-1500lm</b>
Watts Per Fixture	26 / 21
Number of Fixtures	36 / 36
<b>Yearly Hours of Operation</b>	<b>5824</b>
Savings in kilowatts	3.67 / 1.12
Savings in kilowatt hours	27,801 / 8,449 = \$3,226 savings
<b>Materials Cost</b>	<b>\$500 / \$735</b>
Labor Cost	Internal Building Trades
CSU Rebate	<u>\$ ?</u>



# Multifarious Info

- **CSU Rebate – half of material cost**
  - Includes both rebuild and fixture cost
  - Utility cost increases
- **Lighting Controls**
  - auto dim within expansion
  - Timers on south side
- **Installation**
  - Removes ballasts – recycle (facilities)
  - Hard Wired
  - Can lights – drivers
  - Utilize PDC for lighting specialist, Complete Lighting
  - Building Trades assistance
  - Replacement – cost savings



# LED Light Upgrade Benefits

- Widespread use of LED lighting has the greatest potential impact on energy savings in the United States. By 2027, widespread use of LEDs could save about 348 TWh (compared to no LED use) of electricity: This is the equivalent annual electrical output of 44 large electric power plants (1000 megawatts each), and a total savings of more than \$30 billion at today's electricity prices.
  - US Department of Energy -

# Future Campus Rec Sustainability Projects

- Complete LED upgrades throughout all facilities
- Pool Covers
- Solar Thermal Investigation
- Water Efficient Fixtures
- HVAC Setbacks
- Lighting Controls
- Energy Management Plan
- Low VOC Chemicals





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## **Moving Forward: Sustainability Strategic Planning, Sustainability Committee**

**Joel Tonyan** | Asst. Professor, Systems & User Experience Librarian



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# Sustainability Committee

- Advisory Committee of Faculty Assembly
- According to the committee's bylaws:

*The Sustainability Committee strives to create a welcoming, inclusive environment for all interested faculty members, staff, and students, and to involve as many disciplines and perspectives as possible from across campus to improve teaching, research, operations, and practical works related to sustainability.*

# What are We Working on This Academic Year?

- First Annual Sustainability Fall Social
- Integrating Sustainability Student Groups and Organizations into the Committee
- Partnering with the Office of Sustainability to develop a new Sustainability Strategic Plan

# First Annual Sustainability Fall Social: Friday, October 4, 2019



Chat, Eat, Learn, and Get Involved!

## SUSTAINABILITY FALL SOCIAL

FRIDAY, OCTOBER 4  
3:00 - 6:00 p.m.  
Drop-ins Welcome!

The Sustainability Demonstration House

Office of  
**Sustainability**  
[www.uccs.edu/sustain](http://www.uccs.edu/sustain)

**Food  
Next  
Door**

**Sustainability  
Committee**

- Collaboration between the Sustainability Committee, the Office of Sustainability, and SWELL/Food Next Door
- Highlighted sustainability initiatives across campus
- Recruited new students, staff, and faculty to the Sustainability Committee

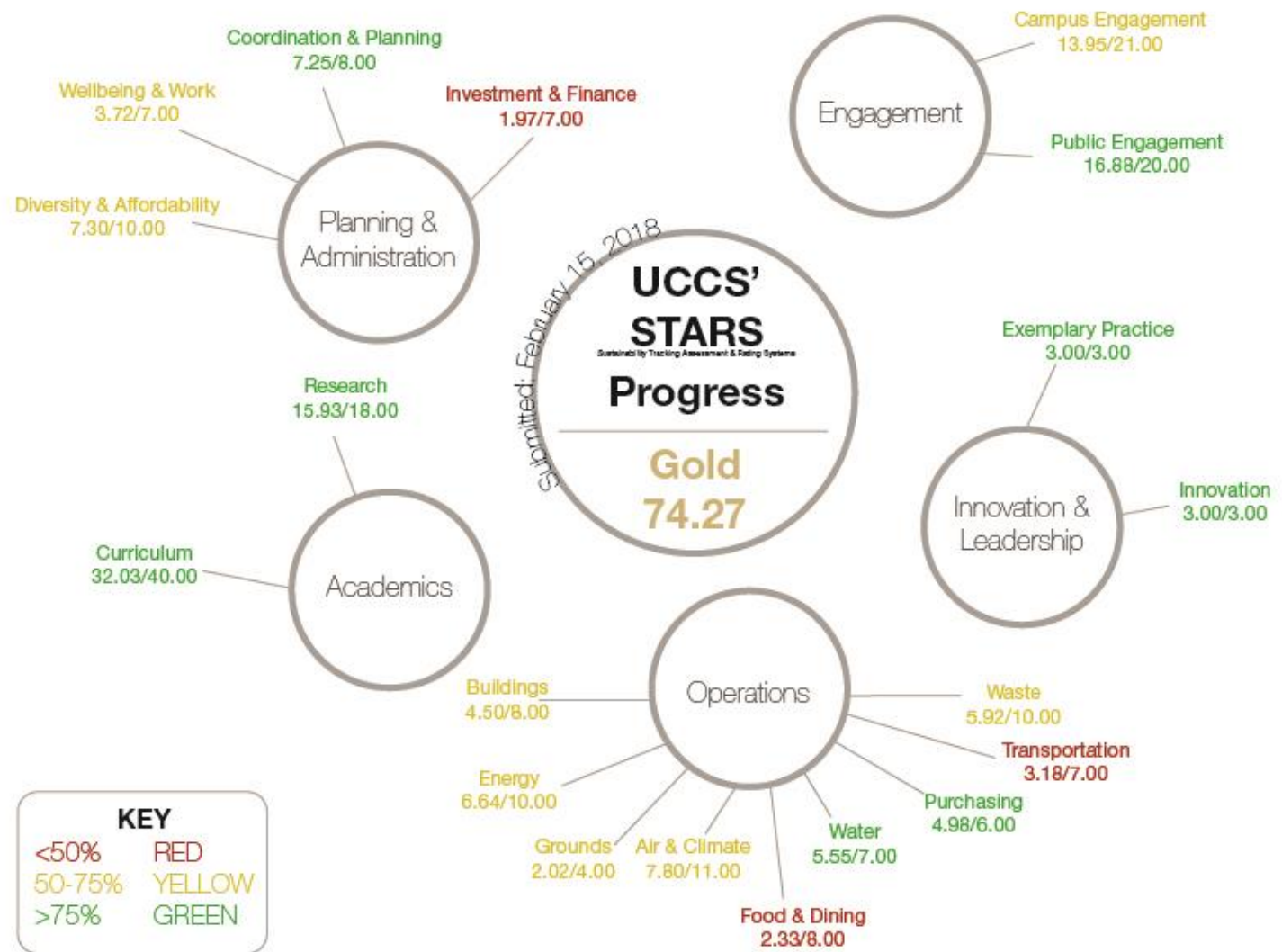
# Added Student Organization Representatives to the Committee

- Green Action Fund: <https://www.uccs.edu/gaf/>
- Students for Environmental Awareness and Sustainability (SEAS):  
<https://www.uccs.edu/seas/>
- Sustainability, Wellness & Learning (SWELL):  
<https://www.uccs.edu/swell/>

# Sustainability Strategic Planning

- Current UCCS Sustainability Strategic Plan expires in 2020: **<https://tinyurl.com/UCCSssp2020>**
- Committee is partnering with the UCCS Office of Sustainability on developing a new Sustainability Strategic Plan
- The goal is to develop a plan that can guide the work of the committee for years to come
- Expect to hear about lots of opportunities for providing input as we get further along in this process

# Sustainability Strategic Planning



# Sustainability Strategic Planning, 2020-2030

## **DRAFT** OF FOUR CORE STRATEGIES:

- Foster a culture of sustainability at UCCS and beyond.
- Cultivate excellence in research and teaching related to sustainability.
- Model sustainability, efficiency, and innovation in our campus operations and facilities.
- Engage UCCS students, faculty, and staff, and members of the Colorado Springs community with events and programming related to sustainability.

# GET INVOLVED!

- Email [jtonyan@uccs.edu](mailto:jtonyan@uccs.edu) if you would like to join the committee (Students, faculty, and staff all are welcome!)
- Attend our December meeting:
  - **12:00 p.m. to 1:30 p.m. on December 9<sup>th</sup>**
  - **Sustainability Demonstration House**

# Sustainability Strategic Plan Input

Visit the 4 easels and tables with core strategies. Provide feedback and ideas on the flipchart or 3 X 5 cards.



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## **Food Literacy + UCCS Farm Stand**

**Sean Svette** | **DPD/ISPP Program Director + Instructor**



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# UCCS Farm Stand

Sean Svette, MS, RD



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2012



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Today



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2017



2018

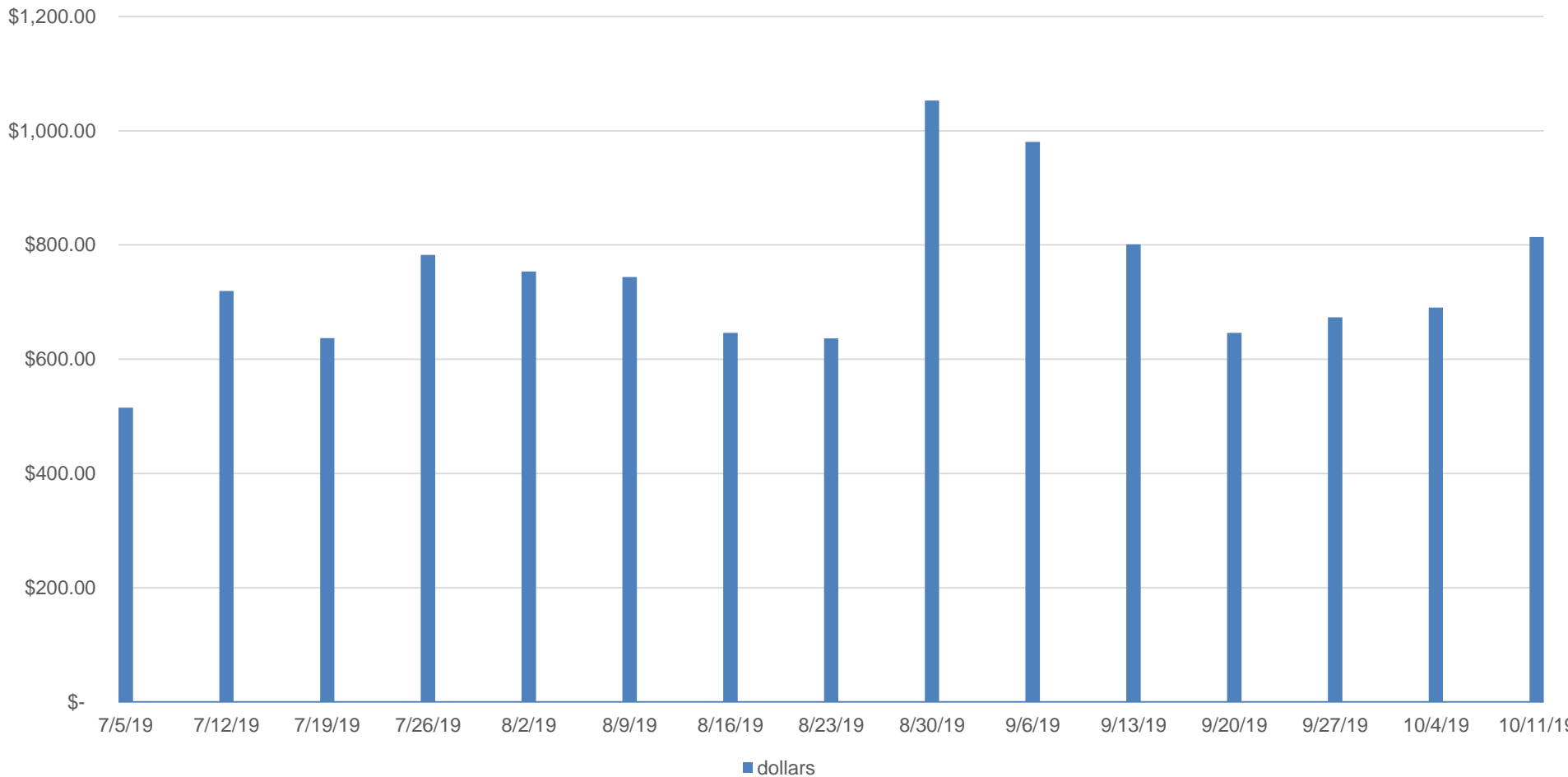


2019





# UCCS Farm Stand Revenue 2019 \$11,124



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# Community Supported Agriculture















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# Join Us for 2020



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## **Clyde's Cupboard**

**Carlie Snethen** | Graduate Assist. Dean of Students Office



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# **CLYDE'S CUPBOARD**

**Tues. Wed. and Thurs. 10-5pm**  
**Student Life Lounge**

## **Implementation of reusable bags**

- Spring 2019 plastic bag free.

## **Increase in student access**

- Opportunity for creative programs.

## **Addition of fridge in Spring 2019**

- Provide fresh food offerings.

## **Increase in usage**

- Greater awareness of cupboard resources.
- Decreased stigma.
- Increase in volunteers in special projects.



**For more information, contact: Carlie Snethen, [csnethen@uccs.edu](mailto:csnethen@uccs.edu)**



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## **Greening the Library: Strategic Planning, Recycling, & Composting**

**Joel Tonyan** | Asst. Professor, Systems & User Experience Librarian

**Martin Garnar** | Dean, Kraemer Family Library



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# KFL TEAM GREEN, est. 2014

KFL Team Green raises awareness of sustainability opportunities in the Kraemer Family Library and around the UCCS campus, and explores ways to enable environmentally sustainable behavior in our professional and personal lives.



Wendy Kisicki (Co-Chair), Molly Mulligan, Joel Tonyan, Shad Harder, Julia Bullock (Co-Chair), Carlos Duarte



Joe Bono, joined 2019

# Library 2019-2021 Sustainability Strategic Plan

Available at: **<https://www.uccs.edu/library/info>**

The Kraemer Family Library pledges to be an active partner in advancing sustainability at UCCS through the following action items that align with the library strategic plan and campus sustainability plan. We seek to empower KFL staff and student employees to embed sustainability practices throughout daily activities and to inspire individual and organizational decisions that lead directly to reducing energy use and waste production so we may reduce our environmental impact. We wish to apply sustainability thinking in our operations, programs, and practices into the future. Through such initiatives, we can establish the library as a living example of sustainable practice to serve as a teaching tool for students, staff, and faculty on campus and in the community.

# EXPANDED RECYCLING IN THE LIBRARY



RECYCLE PENS,  
MECHANICAL PENS,  
MARKERS, AND OLD  
BINDERS IN THE  
LIBRARY!

- Now accept pens, mechanical pencils, markers, and binders for recycling
- Green Action Funded Project



Use the Recycling Station by the Circulation Desk

# COMPOSTING IN THE LIBRARY



- Composting bins now available in the library wherever trash and recycling are found
- Thanks to the Office of Sustainability, Facilities Services, and Rob Dougherty for making this possible!



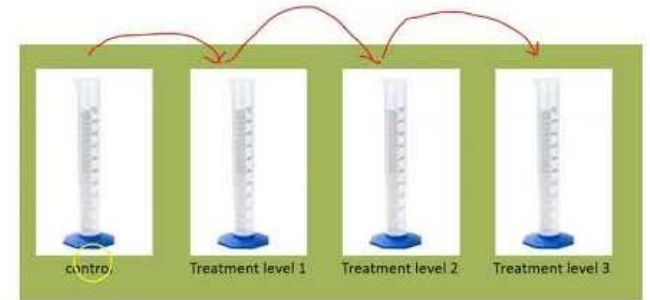
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### **Online Biology Labs Get Sustainable with Instructor-Created Kits**

**Dr. Maggie Gaddis | Lecturer, Biology**

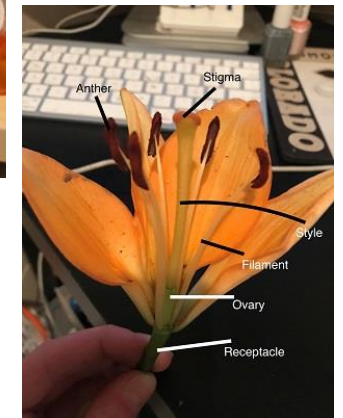
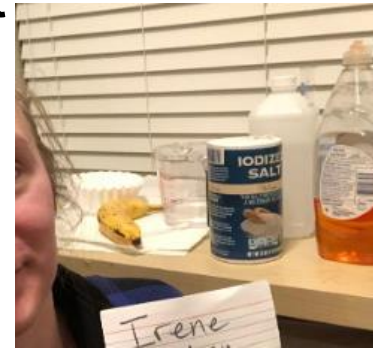
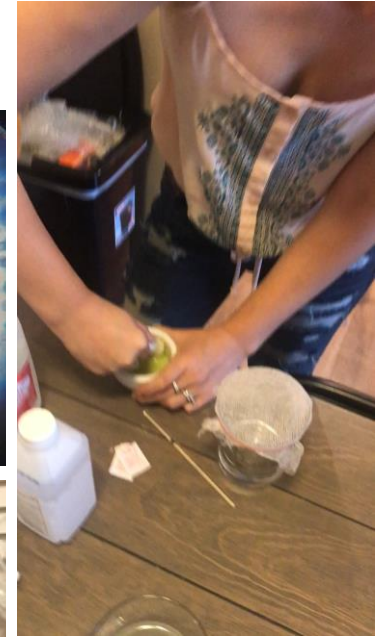
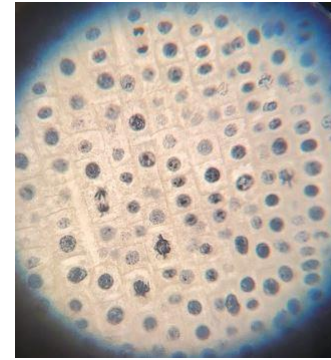
# Online Biology in the Modern World (BIOL1060)

- **15 weeks of lab, 1 credit**
- **Follows the lecture course outline (BIOL1000)**
- **Students design labs**
- **Lab topics include:**
  - Scientific process
  - Cellular, molecular biology
  - Evolution
  - Life kingdoms



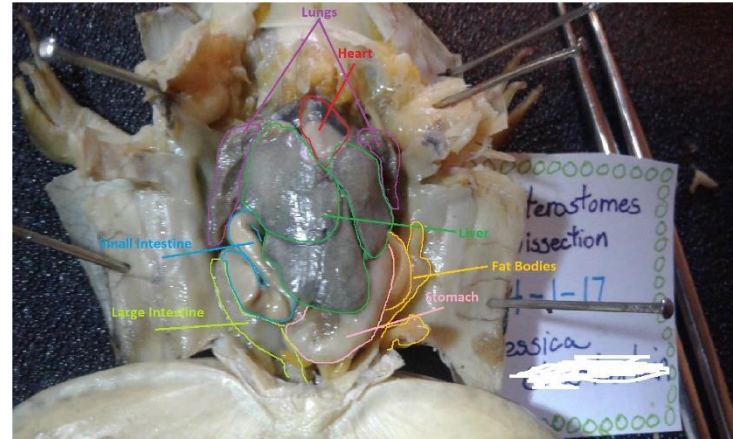
# Online students need lab supplies

- Historically, lab kit was purchased from an outside vendor (\$230)
- Now, I write the labs and place an order for the supplies through the biology department using the lab fee students already pay (\$100)
- Students come to office hours to pick up the supplies
- If afar, they can purchase the same supplies online



# Sustainability outcomes

- Facilitates student engagement online
- Facilitates equipment recycling → creates potential for new supplies/software for labs as supply bank develops
- Facilitates alignment between the in-class lab and the online lab





# 3rd Annual **Sustainability Summit**

## **Students for Environmental Awareness & Sustainability**

**Emma Henley** | Undergraduate + Member of SEAS



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# 3rd Annual **Sustainability Summit**

## **Experiential Learning at the Sustainability Demonstration House and Farmhouse**

**Linda Kogan** | Director of Sustainability

**Nanna Meyer** | Assoc. Prof., Beth-El College of Nursing & Health Sci.



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## Sustainability Demonstration House



## Farmhouse



## UCCS Farm



**Incredible  
experiential  
resource**



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# Solar Design and Installation Course

Partners - Solar Energy International,  
Aim High Solar, and Sunshare

Scholarships Funded by GAF

14 students – 6 days 3.5kW system

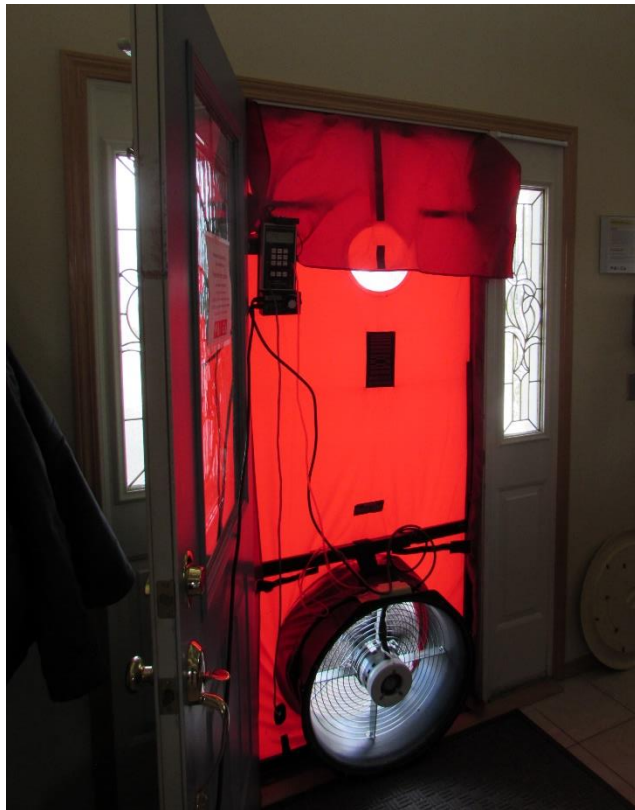
6 students took for UCCS credit in  
their home departments



# SDH Energy Audits and Weatherization Workshops

Partners – Energy Resource Center

Funded by Green Action Fund



# ***“Food Journeys on a college campus: A cookbook written by students”***



## **Food Journeys on a College Campus**

A cookbook written by Students  
University of Colorado, Colorado Springs  
Nanna Meyer, Sean Svette



## **GREEN ACTION FUND**



## **Student- Supported Publishing**

Food Journeys on  
a College Campus

***Nanna Meyer***  
Associate Prof  
and SWELL  
Manager



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# What will this book cover?

***Where our food comes from* (5)**  
**UCCS's Food for Athletes (10 recipes)**  
**71**  
**The Flying Carrot (40 - seasonal)**  
**Food Next Door (10 - bulked)**  
**173**  
**Grain School (10)**  
**224**  
**Farmhouse Fridays (5)**  
**255**  
**Farm to Institution**  
**286**

**Conclusion, References, Resources,  
Index pages 287-300**

The story of those who feed us

Sustainability in Sport Nutrition

Seasonal, Local, Food Literacy

Protein, Planet, People

Seeding the Front Range Grain Chain

Seed-to-Plate Curriculum in College

Refreshing America's Institutions:

Pledge to procure 20% local!

Calling for Policy Change



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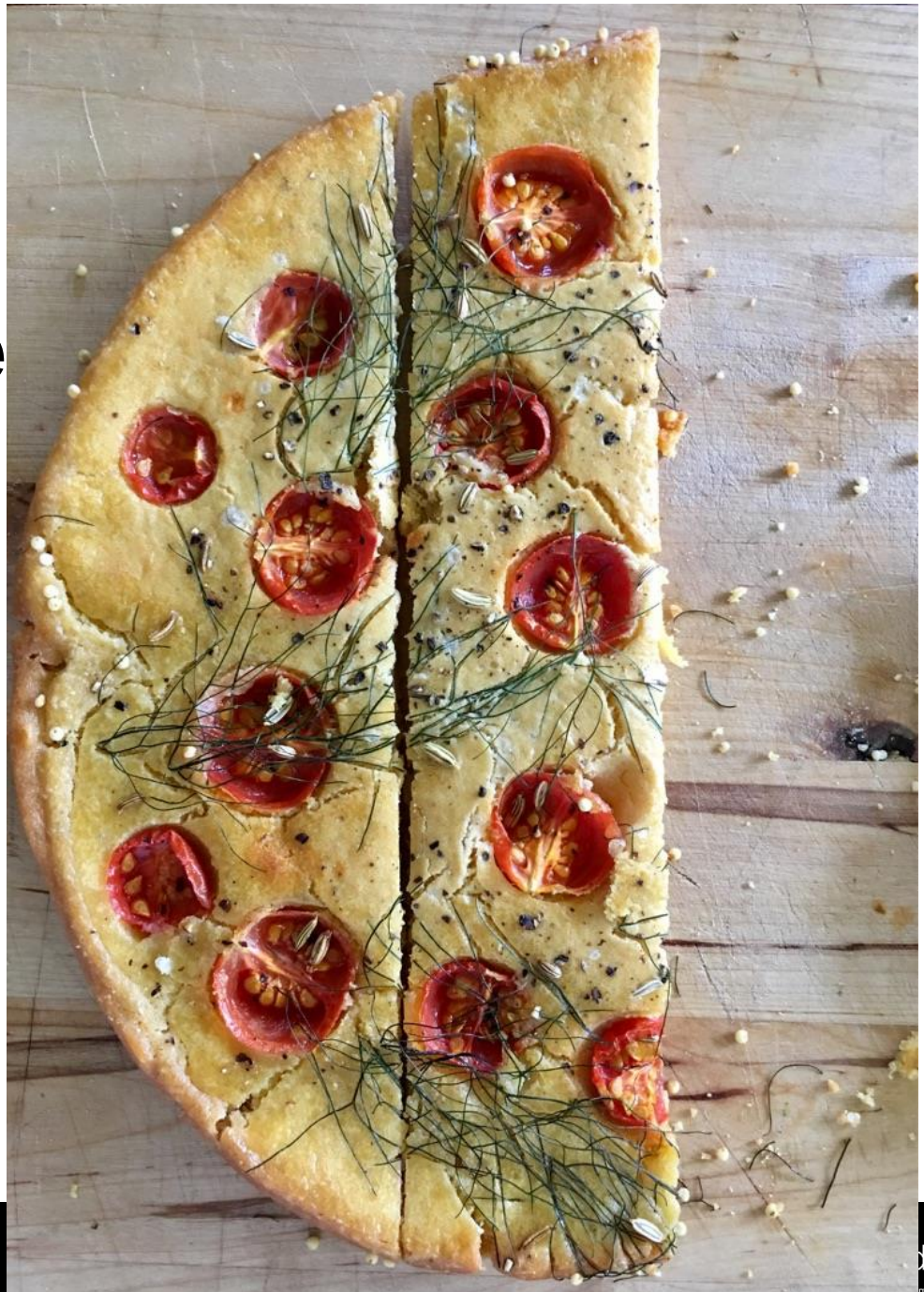
# Progress

- **2018 Spring: Introduction workshops**
  - Photography course with Doug Merriam
- **2018 Spring, Summer, and Fall: Cookbook Fridays (each with 5-10 students)**
- **2019 Spring, Summer: Retesting recipes**
- **2019 Fall: Recipe organization**
- **2019 Fall: hired designer for book**
- ***Dec 6, 2019: completion of recipes, grad project***
- **Spring Semester 2020: narratives and design**
- ***Release by Fall 2020***
- **Cookbook Blog**
  - [www.uccs.edu/swell](http://www.uccs.edu/swell)



# Experiential Learn 1 recipe at a time

1. Identify recipe
2. Source from farmer
3. Test recipe
4. Decide to keep
5. Retest
6. Photography
7. Write up
8. Retest





Hold the Date:  
Jan 17-19,  
2020

# UCCS Grain School

Thank You  
for Joining  
Grain School  
2019!



[www.uccs.edu/swell/grainschool](http://www.uccs.edu/swell/grainschool)



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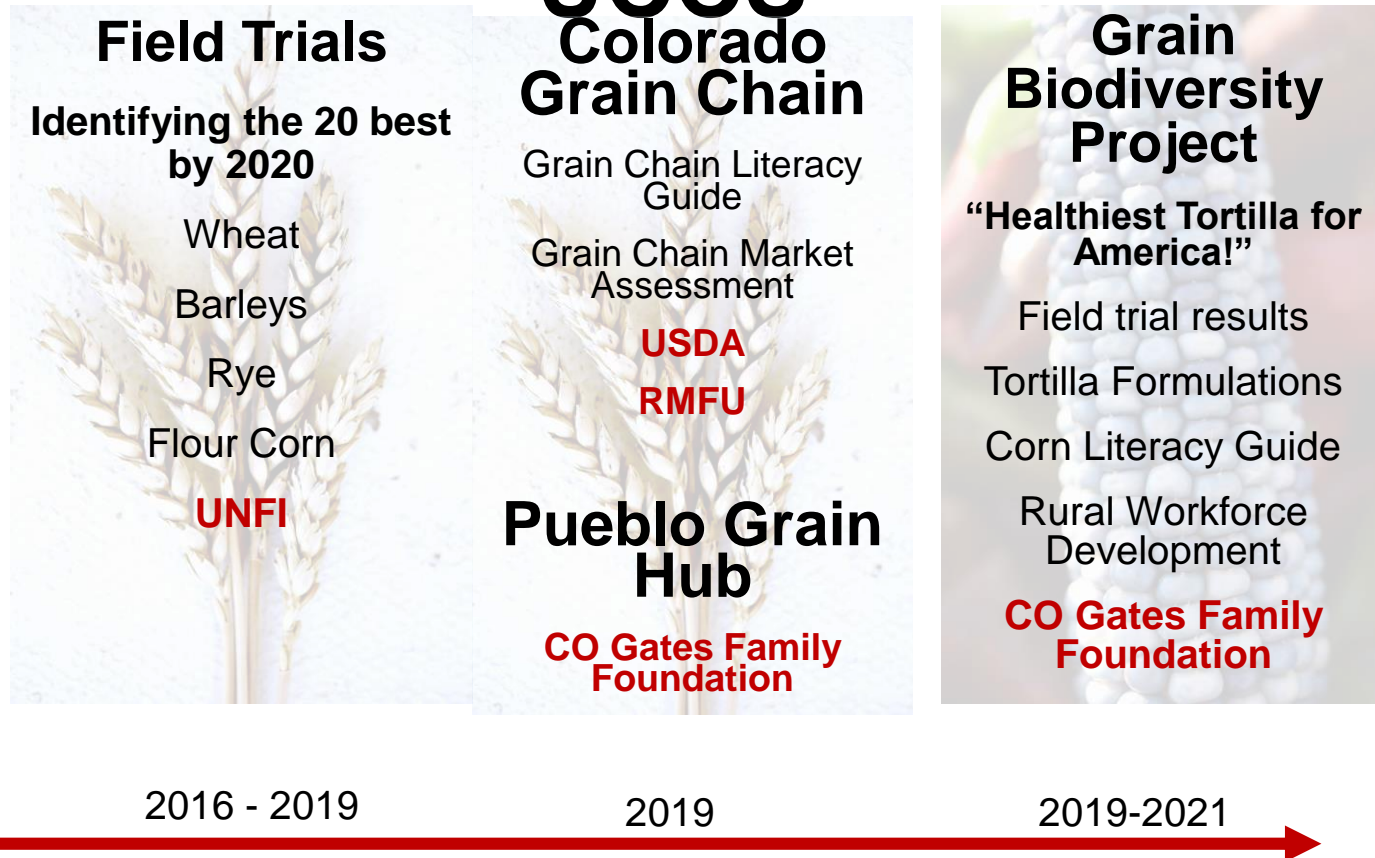


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**Grain School 2016-2020**

# Grain related work at

**Grain School in the Field 2020**





Started in 2016 based on call from farmers to lead the re-building of Colorado's heritage grain economy, while addressing rural communities, nutrition, and climate change.

We celebrate our 5-year anniversary from **January 17-19, 2020**, having contributed to re-establishing Colorado's heritage grain production and having launched the Colorado Grain Chain.

For more information see [www.uccs.edu/swell/grainschool](http://www.uccs.edu/swell/grainschool)

<https://www.youtube.com/watch?v=U8Zy8aUtQYI&feature=youtu.be>



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# Sustainability Strategic Plan Input

Visit the 4 easels and tables with core strategies. Provide feedback and ideas on the flipchart or 3 X 5 cards.



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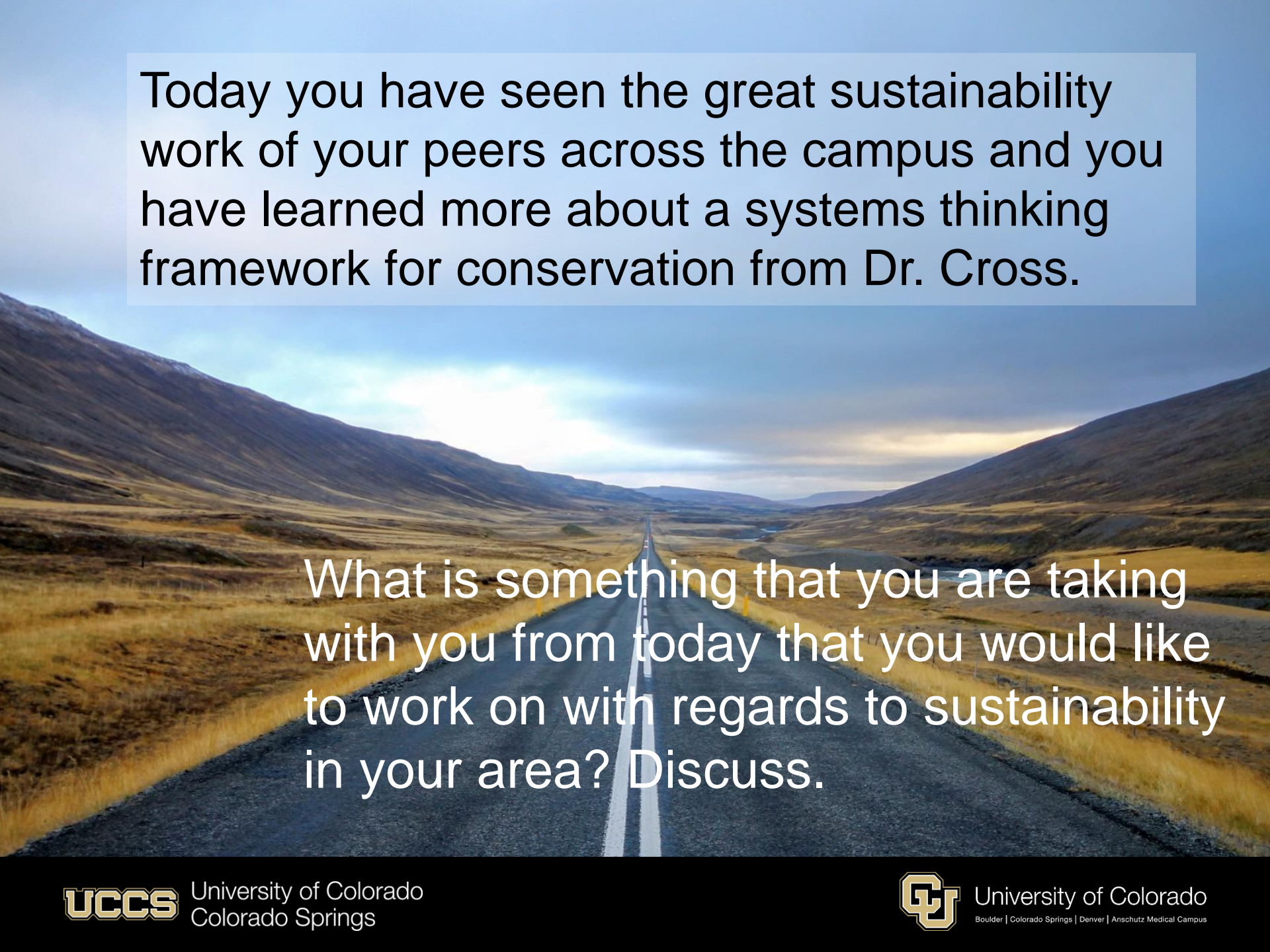
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# Keynote Presentation

## Behavior Change Toolkits: A Systems Thinking Framework for Conservation

**Jeni Cross | Prof. of Sociology  
Colorado State University**





Today you have seen the great sustainability work of your peers across the campus and you have learned more about a systems thinking framework for conservation from Dr. Cross.

What is something that you are taking with you from today that you would like to work on with regards to sustainability in your area? Discuss.



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## 3rd Annual **Sustainability Summit**

**Thank you!**

**Kimberly Reeves** | Senior Sustainability Programs Manager



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