Campus Sustainability Fund

Committee Meeting Agenda & Minutes

Tuesday, May 2, 2023 6-7:30pm PDT, Location: **ZOOM Join Zoom Meeting:** https://washington.zoom.us/j/5100844374

Time 6:00-6:10 Mini Grant FERATON (Event Date: I Budget Amendment Date: may 13) \$1000 6:10-6:30 Project presentation: Cross-Cul Burke Meadow: Maintenance, Ma a Living Exhibit (Q&A LOI Full Proposal 6:30-6:50 Project presentation: Energy, In of Building Operations in the Digir Q&A LOI Full Proposal 6:50-7:10 Project presentation: ADA Appr Promoting the Intersection of Env Sustainability Q&A LOI Full Proposal 7:10-7:30 Project presentation: Sustainab the ASUW Shell House	Agenda				
■ KERATON (Event Date: I Budget Amendment ■ 2023 TSA Night Market S Date: may 13) \$1000 6:10-6:30 Project presentation: Cross-Cul Burke Meadow: Maintenance, Ma a Living Exhibit (Q&A LOI Full Proposal 6:30-6:50 Project presentation: Energy, In of Building Operations in the Digit Q&A LOI Full Proposal 6:50-7:10 Project presentation: ADA Appr Promoting the Intersection of Env Sustainability Q&A LOI Full Proposal 7:10-7:30 Project presentation: Sustainability	m	Facilitator			
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Q&A LOI	ble Stormwater Feasibility @	Neha / project presenters			

	Full Proposal	
7:30-7:35	Vote & Adjourn	Neha
	Events:	
	 Intellectual House Symposium on Indigenous Food 	
	Systems (Friday and Saturday)	
	- Keraton (Saturday)	
	- UAW 4121 Social Justice Conference (Saturday and	
	Sunday → students in the union)	

Project Criteria Overview

More detail on website

Criteria 1: Sustainable Impact	Criteria 2: Leadership & Student Involvement	Criteria 3: Education, Outreach, & Behavior Change	<u>Criteria 4:</u> <u>Feasibility &</u> <u>Accountability</u>	<u>Criteria 5:</u> <u>Budget</u>
Projects must improve the sustainability of UW's campus and/or operations. Encompasses social sustainability, environmental sustainability, biodiversity, environmental justice and equity.	Projects must demonstrate some substantial degree of student leadership or student involvement throughout the application and implementation process to be considered for funding. Projects initiated by students will be prioritized.	Projects must include educational and outreach components that help cultivate an aware and engaged campus community.	Applicants must demonstrate appropriate knowledge, timelines, skills, and guidance complete projects successfully. CSF encourages mentor or department support and line item in the budget for project management.	Project must demonstrate a well-researched and feasible budget that accomplishes tasks and appropriately compensates the involved team members along with a timeline to implement the budget

https://csf.uw.edu/how-apply/funding-guidelines

Non Allowable Uses:

- Funding cannot be used for time and labor expended by UW faculty working unless it is outside the scope of regular faculty duties.
- Funding cannot be used for the purchase of gift cards or other forms of compensation to research subjects. While we encourage compensating research subjects for their time, this must come from another funding source.
- In general, funds cannot be used for food, drinks, or salable merchandise as part of project budgets. Some exceptions may be granted.
- Line-item requests for travel funding are not encouraged, but will be considered on a case by case basis.
- Funds shall not be used for research projects unless such projects include an actionable component.

CSF Bylaws + Protocols

Committee Bylaws

Robert's Rules of Order

Liberating Structures

CSF Committee Google Drive

2022-2023 Committee Documents

How to evaluate projects

CSF Project Criteria

Reference Sheets

Evaluation Rubric Example (go to Rubric Template tab)

Current projects + timeline

Workday Orientation - https://tinyurl.com/csf-workday

2022-2023 Proposal Deadlines & Timeline

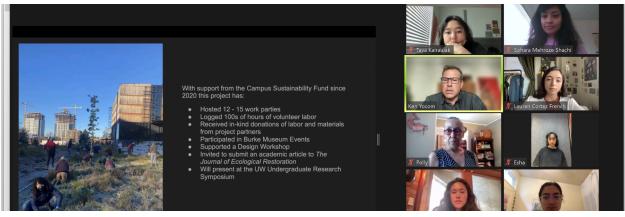
CSF Resource Guide

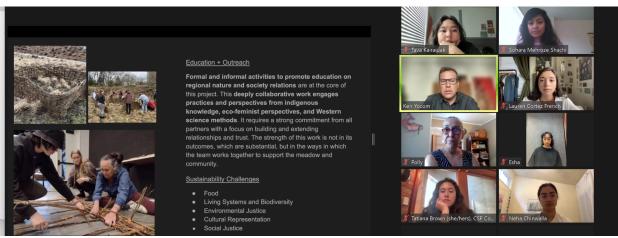
Attendees: Neha, Sohara, Tava, Tatiana, Esha, Emmy, Nat & Lauren

Proceedings

- Presentation from Ken Yocom and Polly on cross cultural collaboration at the Burke Meadow: Maintenance, Management and Education for a Living Exhibit.
 - Shared management between the project team and academic + professional partners.
 Continuing to partner with Oxbow for new planting and replanting
 - Engaged with UW food knowledge family
 - They have been invited to contribute to the journal of ecological restoration and have been featured on the Seattle times
 - Partnered with two elders from the Yakima nation to build fences for rabbits
 - The current proposal is to support an additional year of support for student collaborators and researchers, materials and event support. Received support from Burke Museum and Urban and UW. **Total ask from CSF: \$28,740**, mainly as a transition into the mellon grant for next year. The budget is for graduate student/partial employment, supplies, materials and events.

Screenshots from their slides for reference/records:





- Project presentation by Dan Dimitrov (PhD student) on Energy, Information, and the New Work of Building Operations in the Digital Age
 - Research goal is primarily to aid in UW's standardization and carbon emission reduction efforts with regards to utilization of IOT in facility management work and address knowledge gaps in integrating new tech in existing systems
 - The research team comprises of student project lead Daniel Dimitrov Faculty PI Carrie Sturts Dossick and research assistant (potentially an MS student)
 - Plan to collaborate with UW Facility, Maintenance and Management unit, business innovation and tech unit of UW FM. Collab with Digital Twin
 - The methodology involves conducting three cases:
 - 1. Campus wide energy meter monitoring program
 - 2. Automation window actuators + Founders lighting control occupancy sensors
 - 3. Automatic window tinting tech in health sciences building
 - They will conduct 10-15 expert interviews
 - Starts with a feasibility study, around June. Plan to conclude by September.
 - **Total ask is \$19832** (see screenshot for budget details). They have not had conversations with facility maintenance/other parties for funding.
 - Open to involving more students

Screenshots of slides provided below as reference:

Research Goals and Objectives

What is Known:

- Adopting Digital Twin ightarrow sustainability Lacking standardization UW ightarrow Energy/carbon reduction goals UW FM ightarrow new IoT, virtual models, new tech etc.



Knowledge Gap:

- FM team using new tech in outdated ways
 Confusion around modern tech → industry wide issue
 Inadequate tech adoption strategies → non-optimal tech performance

Our Research Focus:

- Innovation = People, Processes + Technologies
 Understand tension points, issues, organization, processes, etc. with novel IoT/DT
- based devices being used on campus

 Optimize FM work and organizational practices for optimal sustainable output In the form of a a tech. Integration framework for UW $\ensuremath{\mathsf{FM}}$



Research Team + Student Involvement

Direct Research Team:

- Student PI (project lead): Daniel Dimitrov, BE Ph.D Student
- Faculty PI: Dr. Carrie Sturts Dossick, Dean of Research at CBE
- Research Assistant (RA): TBD (in interview process), CM M.S. Student

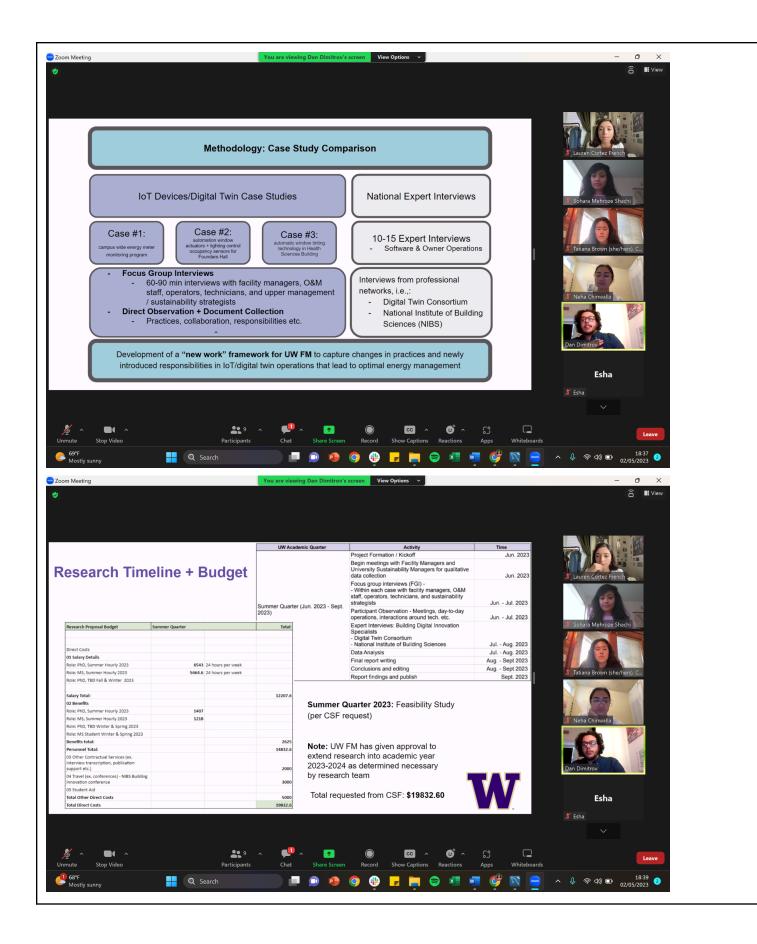
Research Group:

Support and collaboration from Digital Twin/IoT Research Group

- Project development has led to the formation of a student research/interest group
- discuss research, potential opportunities, and new advancements in the field Community around DT on campus







• Project presentation by Toby Gallant: ADA Approved Trail at the UW Farm: Promoting the Intersection of Environmental Justice and Sustainability

Proposal shared during the zoom call:

https://docs.google.com/document/d/1YiccfflVMABD5uBFASUIAzZkKfEtXLDBUp

The pitch in a nutshell: Farm trails and pathways do not currently provide access for people with disabilities. If there were ADA pathways then people in wheelchairs could learn about urban farming and related issues, recreate, and help plant, harvest and consume the produce grown on campus. Only the farm site at the Center for Urban Horticulture offers the potential for ADA approved pathways, due to gentle slope, proximity to restrooms, handicapped parking and amenities. The UW Farm and students would like to help provide more access to the farm space, but lack funds to do so; hence they are seeking CSF's support.

The screenshot below is of the model showing the children's garden, resiliency tunnel, heritage orchard, native garden, world cultural kitchen etc.



The world cultural kitchen (third phase of the project) is being built now. Major costs are materials and labor. **Total ask from CSF is \$17,220.**

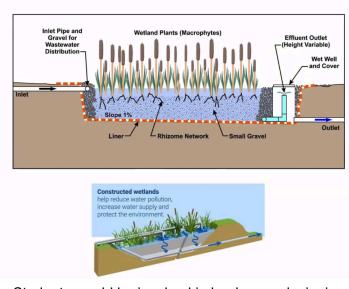
Screenshot below shows the location of the project:



- Project presentation by Kathryn R. Merlino and Matt Newman: Sustainable (net zero)
 Stormwater Feasibility @ the ASUW Shell House
 - Fun fact: the shellhouse was built as a hangar for naval aviators during WWII. It is also an important indigenous property and home for Olympic crew champions. The objective is to preserve the site in an ecologically sustainable manner.



The pitch: The current stormwater infrastructure is unknown & does not take care of the water on site. All the water falls into very old basins, is treated imperfectly and is routed directly into lake washington, bringing in toxins, impurities and warm water, which is bad for salmon. The proposal is to treat the water onsite using indigenous plants that are bio remediators and construct natural wetlands. They aim to create a sustainability demonstration project.





- Students would be involved in landscape designing & identifying the right plants.
- Professor Merlino will share a copy of the presentation with CSF.

- Total Request from CSF is 31,959.00
Voting outcome:
- Budget amendment for TSA night market and Keraton has passed.
 Full proposal for Burke meadows, ADA, Shellhouse and energy buildings passed.
Upcoming events:
- Intellectual House Symposium on Indigenous Food Systems (Friday and Saturday)
- Keraton (Saturday)
- UAW 4121 Social Justice Conference (Saturday and Sunday → students in the union)