

2024 UMACS CONFERENCE SCHEDULE

SEPTEMBER 20 - 21, 2024

umacs

FRIDAY - SEPTEMBER 20, 2024

TIME	EVENT	LOCATION
10:00AM - 1:30PM	Conference Registration <i>Exhibit Hall and Poster Presenters Are Encouraged to Set Up at this Time</i>	Kagin Ballroom
10:00AM - 1:30PM	Pre-Conference Activities <i>(Pre-Registration Required)</i>	
1:30PM - 2:00PM	Exhibit Hall	Kagin Ballroom
2:00PM - 4:00 PM	Welcome & Opening Session • Welcome to Macalester College: Director of Sustainability Megan Butler and Provost Lisa Anderson-Levy • Keynote Speaker: <i>Jothisna Harris, Founder of Change Narrative</i> with climate storytellers Melody Arteaga and Brandyn Tulloch	Kagin Ballroom
4:15PM - 5:15PM	Break Out Sessions	Olin-Rice Science Center
5:30PM - 6:45PM	Dinner and (Re)Cognition Award Presentations with Special Guest John Farrell	Kagin Ballroom
7:00PM - 10:00 PM	Faculty, Staff and Community Partner Gathering Sponsored by Arbor Day Foundation This session will start as a facilitated networking session and then you are invited to travel to a neighborhood restaurant where there will be a cash bar including three signature “tree-inspired” drinks.	Kagin Ballroom & Andiamo Italian Restaurant 80 Snelling Avenue North
7:00 PM - 10:00 PM	Student Gathering Student leaders from the Twin Cities will lead a networking session designed to help you get to know one another and consider how you might continue working together this year. Then there will be opportunities to spend time together informally while crafting and playing board games.	Macalester Plymouth United Church

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SATURDAY - SEPTEMBER 21, 2024

TIME	ACTIVITY	LOCATION
7:00AM - 8:00AM	Steering Committee Meeting (<i>Only for Steering Committee Members</i>)	Davis Conference Room, Markim Hall
8:30AM - 9:30AM	<i>Break Out Sessions (note that one session starts at 8 am)</i>	Olin-Rice Science Center
9:45AM - 10:45AM	<i>Break Out Sessions</i>	Olin-Rice Science Center
10:45AM - 11:30AM	Poster Presentations	Smail Gallery, Olin-Rice Science Center
11:30AM - 12:45PM	Lunch, including Networking Sessions and Exhibit Hall	Kagin Ballroom
1:00PM - 2:00PM	<i>Break Out Sessions</i>	Olin-Rice Science Center
2:15PM - 3:30PM	Closing • Keynote Speaker: <i>Jonathan Foley, Project Drawdown</i> • Ice Cream Social - Sponsored by Midwest Dairy	Kagin Ballroom

THANK YOU TO OUR CONFERENCE SPONSORS



PRESENTATION	SPEAKERS	LOCATION
Towards Food Secure Campuses: What's Working? Panel Facilitator: Alan Turnquist Director of Sustainability and Resilience, Michigan Tech University College campuses have many potential tools to address food insecurity including dining service operations, food pantries, digital communication channels, and strong community and alumni networks for potential support. Yet, a major issue persists: one in three college students face food insecurity nationally. Join us for an interactive discussion on successes, roadblocks, and resources to improve food security on our UMACS campuses.	Jenna Hawkes, Environmental Studies and Nurain Jiwani, Computer Science, Macalester College Clement Loo, Assistant Professor of Environmental Studies, Student Success Coordinator in Equity, Diversity, and Intercultural Programs; Adrienne Conley, Associate Director, Residential and Community Life; and Liz Thomson, Interim Associate Vice Chancellor for Equity, Diversity, and Inclusion, Director of Equity, Diversity, and Intercultural Programming, University of Minnesota - Morris Alicia Lopez and Hannah Stahmann, Student Interns, Office of Sustainability, University of Wisconsin-Madison Alan Turnquist, Director of Sustainability and Resilience, and Ellie Rizk, Food Pantry Student Coordinator, Michigan Tech University	Olin-Rice Science Center, Room 352
IRA Funding: Increasing Understanding and Access The Inflation Reduction Act provides funding to support clean energy, clean transportation, and other projects that can benefit our campuses, communities and individual households. Learn from the Great Plains Institute's work to help communities leverage these funds, and how Loyola University is exploring the direct pay options and how they are helping campus members learn how to use these funds to improve their own homes (including residential solar, solar for all, electrical vehicles, EV chargers). There will be plenty of time for participants to discuss how you hope to leverage these funds, and consider what you need to be successful in doing so.	Aaron Durnbaugh, Director of the Office of Sustainability, Loyola University Chicago Sydne Tursky, Program Manager, Renewable Energy, Great Plains Institute	Olin-Rice Science Center, Room 150
Sports Ecology on Campuses An interactive discussion outlining several ways in which individuals can leverage the popularity and power of sports on college campuses to introduce sustainability topics including turf and lawn maintenance, event hosting, and mobilizing fans through engagement. This discussion is intended to appeal to an array of individuals, sporting and non-sports fans alike.	Michael Barnes, Researcher & Lecturer, Department of Horticultural Science, University of Minnesota Twin Cities Gabe Downey, Exercise Science MS, University of Kansas Tiffany Richardson, Former Lecturer, Department of Sport Management, University of Minnesota Twin Cities	Olin-Rice Science Center, Room 370
The Lighter Side of Engaging Communities on Climate & Sustainability Joy. Delight. Creativity. Playfulness. These aren't typical terms we associate with engaging others in the serious seriousness of climate work, but studies in positive psychology and learning theory suggest that they should be. In this panel you'll hear lightning talks from four people who have created and run different interactive climate and sustainability engagement experiences that help people engage in climate in ways that inspire creativity, conversation, and community while tapping into our innate capacity for joy.	Alix Dvorak, Founder, Green House: The Game Casey Meehan, PhD Director of Sustainability and Resilience, Western Technical College Tamara Staton, Greater Pacific Northwest Regional Director and Education & Resilience Coordinator, Citizens Climate Lobby Carrie Thompson, Executive Director, Sustainability Institute, La Crosse, WI	Olin-Rice Science Center, Room 100

BREAKOUT SESSIONS - FRIDAY: 4:15-5:15PM

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PRESENTATION	SPEAKERS	LOCATION
Community Art and Experiential Engagement This workshop will explore different approaches to exploring human and ecological relationships through arts-based experiential engagement for people of all ages. Stories of projects from the University of St. Thomas, Macalester and other Twin Cities-based campuses will be shared, and there will be opportunity to consider how you might integrate art into your sustainability efforts.	Maria Dahmus , Director, Office of Sustainability Initiatives, University of St. Thomas Jessica Turtle , Sustainability Artist-in-Residence, University of St. Thomas Meira Smit , Environmental Studies, Macalester College	Olin-Rice Science Center, Room 301
Bee Campus USA and Native Homegrown Habitat Learn how to become a certified Bee Campus USA, as well as how to acquire funding and add native homegrown pollinator habitat to your campus. We also will share how we collect and sell native seed to support our Students 4 Sustainability club.	Benjamin Newton , Environmental Sustainability Director, Central Community College Crystal Ramm , Ord Center Regional Director, Central Community College	Olin-Rice Science Center, Room 245
Integrating Campus Climate Action into Curriculum and Research Within the University of Minnesota's newly formed Climate Action Plan, we explicitly call for campus sustainability efforts to be integrated into classrooms and labs, to be more accessible to faculty and students, and embed strategies within the mission of the university. In this workshop we will describe our efforts thus far, and facilitate brainstorming and ideation sessions to see how others are approaching this and what we might do to improve our process and platform. Long term institutionalized efforts are also underway to see this effort through the 10 years of the Climate Action Plan.	Aaron Hanson , Energy Program Specialist, University of Minnesota Institute on the Environment Kate Nelson , Director of Campus Sustainability, University of Minnesota, Twin Cities	Olin-Rice Science Center, Room 250
Community Organizing: Stories from Student and Community Leaders Panel Facilitator: Ellen Gurrola, Sustainability Office Coordinator, Macalester College This panel of student and community leaders will share stories of their current and past community organizing work through both local organizations and national organizations like Clean Water Action and the Sunrise Movement, and will share their thoughts on how community organizing strategies might aid you in advancing the work you are leading.	Melody Arteaga , Env. Justice Coordinator, COPAL Sasha Lewis-Norelle , Environmental Health and Justice Organizer, Clean Water Action MN Inbal Armony , Environmental Studies, Macalester College, Sunrise Twin Cities Leadership Team Sophie Diliberti , Environmental Studies, Macalester College, Sunrise Twin Cities Leadership Team, MN 350 and ISAIAH	Olin-Rice Science Center, Room 350

PRESENTATION	SPEAKERS	LOCATION
Using Climate Projections for Campus Research and Sustainability Efforts Do you want to prepare for future climate conditions, but aren't sure where to start? Are you interested in using climate projections in your campus research or sustainability work? This workshop will introduce how to find, interpret, and use future climate data – as well as leading practices to implement climate adaptation strategies in campus sustainability efforts. Participants will learn to use the University of Minnesota Climate Adaptation Partnership's (MCAP) new online tool, which offers highly localized climate projections for Minnesota communities, and get experience with planning and decision-making under uncertainty about future climate impacts. PLEASE NOTE: THIS SESSION IS 8:00AM-9:30AM	Suzi Clark, Extension Educator, Climate Adaptation and Resilience, University of Minnesota Climate Adaptation Partnership Nathan Meyer, Associate Director and Extension Program Leader, University of Minnesota Climate Adaptation Partnership	Olin-Rice Science Center, Room 250
Panel: Experiential Education: Learning Sustainability in Action Panel Facilitator: Jon Jensen, Prof. of Environmental Studies, Luther College - Using Student Projects to Advance Sustainability (and Learning) - A Research Project: Laundry Sustainability on College Campuses - Learning International Sustainable Development Through Fieldwork and Case Studies - Community Scaled Composting Summer Collaborative Research at Knox College - Advancing Sustainability Education through Study Abroad	Rachel Brummel, Associate Professor of Environmental Studies and Jon Jensen, Professor of Environmental Studies, Luther College Emilee Burcham, Social Work, Luther College Sally Elfshawy, Development Practice, University of Minnesota William Hope, Professor of Anthropology, Knox College Sumie Song, Ph.D, Director of Strategic Partnerships, The GREEN Program	Olin-Rice Science Center, Room 150
Panel: Equity, Social Justice and Personal Wellness: Expanding Common Understandings of Sustainability Panel Facilitator: Samantha Kaplan, Prof. of Geology and Geographical Studies, University of Wisconsin Stevens Point Unique Sustainability Model at Bemidji State: We have a unique understanding of and commitment to sustainability in which we emphasize personal wellness along with social equity, economic feasibility, and environmental responsibility. Our perspective has been greatly influenced by Anishinaabe culture – we recognize we are a part of the earth and dependent on it for our survival. Fostering Intercultural Environmentalism: What does it look like to shift how we define and practice environmentalism to reflect all members of our community? How might we expand the traditional definition of environmentalism to promote the recognition of and collaboration among the many cultures and epistemologies that exist in our communities? Exploring Social Sustainability at UW-Madison and Beyond: The Social Sustainability Coalition is a student intern-led group focused on creating a space for idea-sharing and community building, with a focus on amplifying underrepresented voices to foster dialogue and collaboration. We will discuss how social sustainability is a necessary, and often overlooked, component of sustainability and is inherently intertwined with environmental work.	Damon Cooper, Wildlife Biology, and Presley Kaiser-Shelton, Undergraduate, Bemidji State University Luna Johnston, Geography and Inbal Armony, Environmental Studies, Macalester College Catie Stumpf and Jordyn Czyzewski, Student Interns, Office of Sustainability, University of Wisconsin-Madison	Olin-Rice Science Center, Room 350

PRESENTATION	SPEAKERS	LOCATION
Grounds for Change: Strategies for Sustainable Land Management Panel Facilitators: Sheina Crystal and Mackenzie Feldman, Re:wild Your Campus This panel discussion features two campuses working to green their land management practices, as well as Re:wild Your Campus (RYC), the non-profit leading the movement for climate resilient, biodiverse grounds. While efforts at both schools began with a student-led campaign, UW-Madison's journey involved identifying on-campus expertise and facilitating inter-departmental collaboration. Grinnell's journey involved a 5,000 sq ft prairie restoration project. Despite their different paths, both campuses have arrived at organic pilot projects, which will be described by RYC, whose involvement in these projects has been critical for their success.	Chris Bair, Environmental and Safety Manager, Grinnell College Sheina Crystal, Director of Communications and Campaigns, Re:wild Your Campus Mackenzie Feldman, Project Director, Re:wild Your Campus Hannah Stahmann, Spanish and Environmental Studies, Ian Aley, Green Fund Program Manager, and Victoria Salerno, PhD candidate Entomology and Environmental Studies, University of Wisconsin-Madison	Olin-Rice Science Center, Room 245
How We See Water: Transdisciplinary Courses and Community Partnerships In this session, two models will be shared to illustrate how water can center collaboration for learning and connect to local interests, highlighting conceptual underpinnings and steps to developing collective efforts across academic-community and disciplinary expertise. The first model involves Carleton and St. Olaf colleges, Clean River Partners, and the City of Northfield highlighting their process for connecting staff and faculty expertise with city climate resilience and community development goals along the riverfront, resulting in the launch of a community-engaged water sampling project and curriculum in support of climate resilience and environmental justice, engagement of Sustainability interns and workshops. The University of Wisconsin - River Falls will share what they learned by developing a transdisciplinary course on the social, cultural, environmental, and economic impacts on freshwater accessibility and protection that engaged students and faculty from various programs across campus in learning about the local watershed. The pilot course was funded by the Freshwater Collaborative of Wisconsin and used a team-teaching model for content delivery. Driven by a series of essential questions that moved students from self-reflection to community action, this course emphasized the social justice aspects of freshwater sustainability.	Shawyn Domyancich-Lee, Associate Social Work Professor, and Sust. Faculty Fellow Coordinator; and Tovah Flygare, Adjunct Professor, Agricultural Economics, University of Wisconsin - River Falls Sarah Fortner, Director of Sustainability, Carleton College	Olin-Rice Science Center, Room 301
Panel: Best Practices in Sustainability Communications Panel Facilitator: Nathan Jandl, Associate Director of Sustainability, University of Wisconsin-Madison Central to campus sustainability initiatives lies effective communication—a driving force for fostering robust engagement in climate action. During this interactive workshop, panelists will share examples of new communication strategies they have employed (including podcasts!) and there will be ample time for participants to share their strategies and dream of new ones.	Cece Chmelik, Gabriel Fleischhacker, Mariah Cohen, Undergraduates, and Valentine Cadieux, Associate Professor - Anthropology, Director of the Center for Justice and Law, Hamline University Brynne Hill, Chandler Wells, Kate Scroggins, and Lily Jenkins, Student Interns, Office of Sustainability, University of Wisconsin-Madison. Nathan Jandl, Associate Director of Sustainability, University of Wisconsin-Madison	Olin-Rice Science Center, Room 352
Understanding and Managing Motivation to Behave Sustainably in Higher Education Efforts to mobilize sustainable change in Institutions of Higher Education (HEIs) rarely leverage what psychological science knows about human motivation. This session will provide useful tools and clear examples for faculty, staff, and students who want to accelerate the transition toward sustainable and just campuses. We will review motivation as a function of human needs, individual cognitions, and situational contingencies as well as the role of habits in maintaining the status quo. We will provide insight into managing motivation through a variety of strategies, including incentives; feedback; job enrichment; job crafting; distributive, procedural and interpersonal justice; and goal setting.	Elise Amel, PhD; Professor of Psychology, University of St. Thomas Christie Manning, PhD; Associate Professor of Environmental Studies, Macalester College	Olin-Rice Science Center, Room 100

BREAKOUT SESSIONS - SATURDAY: 9:45-10:45AM

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PRESENTATION	SPEAKERS	LOCATION
Panel: Zero Waste: What Are We Learning? What can we do Better? Panel Facilitator: Kristina Hope, Director of Sustainability Initiatives & Knox Farm, Knox College - Zero Waste Knowledge, Attitudes, and Practices Study at Macalester College - Community Scaled Composting Operations and Management at Knox College - Student Composting and Recycling Initiatives at Northern Michigan University - Over a Decade of Donations: Maintaining a Campus FreeStore at BSU	Zizanie Bodene Yost, Minnesota GreenCorps Member, Macalester College Kristina Hope, Director of Sustainability Initiatives & Knox Farm, Knox College Delaney Miller, Earth Science; Grace Listopad, Sustainable Business and Enterprise Creation; Isabel Oertel, Environmental Studies & Sustainability, Northern Michigan University Hailey Ronning, Wildlife Biology, Bemidji State University	Olin-Rice Science Center, Room 100
Affecting Change on Campus: Integrating Sustainability into Curriculum and Establishing a Culture of Sustainability Panel Facilitator: Meghann Jarchow, Sustainability & Environment Chair, University of South Dakota Sustainability provides unique opportunities to engage students with various backgrounds and majors in collaborative multidisciplinary work with a direct impact on the local and global communities. During this session, we will discuss various approaches to curriculum integration of sustainability that emerged from interdisciplinary programs on our campuses, and the successes and challenges we have had. This session will be of interest to administrators, faculty, staff, and students who work to influence change on campus through an interdisciplinary project-based action-oriented curriculum.	Kent Boyd, Registered Nurse and Adjunct Professor, Viterbo University Meghann Jarchow, Sustainability & Environment Chair, University of South Dakota Cameron Kiersch, Associate Professor and Chair of Direct-Entry Master of Science in Nursing Program, Viterbo University Irina Makarevitch, Associate Provost, Professor of Biology, Hamline University Linette Werner, Associate Dean, College of Liberal Arts; Associate Professor, School of Education and Leadership, Hamline University	Olin-Rice Science Center, Room 352
Sustainable Farm Practices: Fact or Fiction Panel Facilitator: Lisa McCann, Sustainable Nutrition Manager, Midwest Dairy All food production comes with an environmental footprint which brings a tremendous opportunity for farmers to bring new solutions to critical environmental challenges. Food systems interconnected pillars include Environment, Community, Economic and Nutrition. Learn from an expert panel to take a deeper dive into the Environmental pillar. Learn key farming practices on dairy farms that mitigate climate impacts, conservation practices that MN farmers use to minimize water use and protect lakes, rivers, and streams, and soil practices that have measurable positive impact on soil erosion, surface water quality, and soil infiltration.	Brad Jordahl Redlin, Manager, Minnesota Agricultural Water Quality Certification Program, MN Department of Agriculture Peter Kramer, MSHC Board Member, crop farmer, independent certified crop advisor, MN Soil Health Coalition Lisa McCann, Registered Dietitian- Sustainable Nutrition Manager, Midwest Dairy Suzanne Vold, Farmer, Dorrich Dairy	Olin-Rice Science Center, Room 245
On-Campus Solar Energy Systems Driving Towards Net-Zero Campuses Join us as share how we successfully developed on-campus solar photovoltaic (PV) systems on our campuses. Gain insights about how to start the process, what challenges were identified and overcome, how to engage and mobilize key stakeholders, what are the funding pathways to development, and how the Inflation Reduction Act Direct Pay option and other incentives can reduce the costs to act. The IRA has created new financial resources for colleges and universities interested in on-campus solar, learn how it can assist your campus drive innovation.	Chris Bair, Environmental and Safety Manager, Grinnell College James Goblirsch, Assistant Vice President for Facilities Management, Winona State University Kristi Heintz, Sustainable Facilities Manager, Minnesota State University Eric Rehm, Midwest Development Director, Renewables, McKinstry	Olin-Rice Science Center, Room 150

PRESENTATION	SPEAKERS	LOCATION
How to Teach in a Burning World Panel Facilitator: Casey Meehan, PhD Director of Sustainability and Resilience, Western Technical College Emotions shape not only how students learn about climate change, but also their ability to respond meaningfully to what they're learning. What is the role of the climate educator as our students come to us experiencing eco-anxiety and despair? Hear from several authors of chapters from the edited volume <u>The Existential Toolkit for Climate Justice Educators: How to Teach in a Burning World</u>, a new book that provides educators with a robust menu of interdisciplinary strategies, lesson plans, and resources for developing emotional tenacity in college classrooms so that students can stay engaged.	Rachel Brummel, Associate Professor of Environmental Studies, Luther College Christie Manning, PhD; Associate Professor of Environmental Studies, Macalester College Casey Meehan, PhD Director of Sustainability and Resilience, Western Technical College	Olin-Rice Science Center, Room 250
Panel: Students Leading Systems Change at UW–Madison Panel Facilitator: Chandler Wells, Student Intern, Office of Sustainability, University of Wisconsin-Madison - Sustainable Office Certification Program: Student Experiences and Innovation - Towards Greener Horizons: Sustainability in Campus Events - Green Laboratories: Pioneering Sustainable Research Practices	Giann Abang and Julia Fechner, Student Interns, Office of Sustainability, University of Wisconsin–Madison Brynne Hill and Jordyn Czyzewski, Student Interns, Office of Sustainability, University of Wisconsin–Madison Chandler Wells and Ian Patch, Student Interns, Office of Sustainability, University of Wisconsin–Madison	Olin-Rice Science Center, Room 350
Strategies & Scales- Driving Climate Action in Place Across a System Each of the five University of Minnesota campuses is completing a roadmap to meet the systemwide goals of becoming carbon neutral by 2050 (or earlier) and creating resilient and thriving campuses in the face of climate change. We'll be addressing: Integrating a climate action plan with a campus planning process; Completing a deep dive on climate resiliency as a place-based institution; Addressing the giant boiler in the room, balancing priorities, the criticality of communication, and setting targets without funding; Role of interns and engagement; Moving to implementation with different planning frameworks; and Using data and stakeholder input to inform decision-making.	Katy Chapman, Sustainability Director and Associate Professor, University of Minnesota, Crookston Amanda Kohn, Sustainability Project Manager, and Jacob Harris, Geography, MA, University of Minnesota Jonna Korpi, Director of the Office of Sustainability and UMD Land Lab, University of Minnesota, Duluth	Olin-Rice Science Center, Room 301
Panel: Climate Change Education: What are Instructors Fears, Needs, and Motivations? Panel Facilitator: Jon Jensen, Professor of Philosophy & Environmental Studies, Director of the Center for Sustainable Communities, Luther College - Educating between Harsh Reality and Unfounded Optimism - The Differing Frameworks of Natural Science Instructors: Growth Mindsets vs. Fixed Mindsets - Climate Change Education in Universities: Instructors' Perceptions of Risk, Motivations, and Barriers	Paul Prew, Professor, Minnesota State University, Mankato Chase Stehly, Sustainability, M.S., University of South Dakota Ashley Vedvig, Educational Sustainability, Ed.D., University of Wisconsin - Stevens Point	Olin-Rice Science Center, Room 370

BREAKOUT SESSIONS - SATURDAY: 1:00-2:00PM

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PRESENTATION	SPEAKERS	LOCATION
Student Leadership on Campus: Strategies for Success Panel Facilitator: Rachel Schauer, Program Manager, Office of Sustainability Initiatives, University of St. Thomas This interactive workshop will create a space for you to learn about and share strategies for meaningfully engaging students in sustainability efforts and climate action. Examples will be from UMN Duluth's Student Government, the Student Sustainability Leadership Program at the University of St. Thomas, and the Nursing program at Viterbo University's innovative programming to successfully lobby for a campus Climate Action Plan.	Remington Foust, Environment, Sustainability, and Geography, University of Minnesota, Duluth Lyza Hoscheit, Nursing, Viterbo University Tyler Knudtson, Nursing, MSN, Viterbo University Emily McCurdy, Nursing, Viterbo University Rachel Schauer, Program Manager, Office of Sustainability Initiatives, University of St. Thomas	Olin-Rice Science Center, Room 100
Utility Planning and Decarbonization Strategies for Scope 1 & 2: • What's a Sleeved PPA? Learn how Loyola Chicago structured a renewable electricity purchase in a deregulated market- a unique solution for those that can contract either wholesale power purchase agreement OR a structured retail arrangement. • Long Range Utility Planning: Learn how we created a "choose your own adventure" long range utility plan for campus heating, cooling, and electricity. The plan evaluates 30 years of potential facilities upgrades and compares them to business as usual, incorporating the social cost of carbon to show the "true cost" of each option.	Aaron Durnbaugh, Director, Loyola University Chicago Lily Strehlow, Sustainability Coordinator, University of Wisconsin - Eau Claire	Olin-Rice Science Center, Room 301
Outdoor Learning in Urban Settings How can we help facilitate connections to the natural world in the Upper Midwest, particularly in urban settings? Our cold winters present challenges for outdoor learning, and most classes are stuck inside for most of the year. In Spring 2024 a group of Augsburg students studied and developed a set of plans, pedagogy, and technologies for learning outdoors including mobile, outdoor classroom technologies, shelters, and urban environmental learning spaces. This workshop invites participants to learn about this student-led project and explore what this might look like on your own campus.	Ben Gutzman, Environmental Studies, Augsburg University Joseph Underhill, Faculty, Augsburg College	Outside Olin Hall
Creating Change on Campuses: One Pedal at a Time Panel Facilitator: Luna Johnston, Geography, Macalester College Want to increase biking on campus? We will share the necessary steps to become a Bike-Friendly University, and ideas for bike education and safety, bike repair shops, bike loan programs and ideas for how to make biking fun. <i>After the session, interested participants will be able to visit the Macalester Bike Shop.</i>	Sophia Chadima, Environmental Studies, Luther College Evan Hansen, Biology, Luther College Luna Johnston, Geography, Macalester College Madison Major, Biology and Environmental Studies, Luther College	Outside Kagin

BREAKOUT SESSIONS - SATURDAY: 1:00-2:00PM

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PRESENTATION	SPEAKERS	LOCATION
Gleanings from the Field: Food Security, Resilience, and Experiential Learning This session (based on an edited book project) showcases the experiences and insights of college professors and staff who have been teaching about food security, or developing relevant community partnerships, that involve some aspect of experiential learning, be it hands-on exercises in the classroom, field trips, campus farms, or collaborative research. Food is arguably one of the people's most intimate and direct connections to biophysical and social environments, with deep sustainability implications, yet many students are almost completely blind to these connections. The session shares the experiences of educators seeking to clarify these connections in new and innovative ways. Co-Authors: William G. Moseley, DeWitt Wallace Professor of Geography, Macalester College & Paul Schadewalk, Senior Project Director, Bringing Theory to Practice	Valentine Cadieux, Associate Professor - Anthropology, Director of the Center for Justice and Law, Hamline University Amy Damon, Professor of Economic, Macalester College Rin Kilde, Partnership and Food Rescue Coordinator, Feed My People Food Bank of Eau Claire Vanessa Preast, Associate Director of the Center for Teaching, Learning, and Assessment, Grinnell College Dan Trudeau, Professor of Geography, Macalester College	Olin-Rice Science Center, Room 250
Place-Based Approaches to Transformative Sustainability Work Offering the examples of picnics, walking tours, signage, site visits, and suggestions, we will share the ways that the University of Wisconsin-Madison Green Fund takes a place-based approach to supporting student-initiated projects that improve the sustainability of campus facilities. This approach, one of dialogue with people and place, is rooted in non-violence and justice. It invites students to listen and develop projects appropriate to the upper midwest and specifically, Teejop (the Ho-Chunk name for the Madison-area). By doing so, we hope to cultivate a culture of reciprocity, care, and connection with the waters, land, and people of this place.	Ian Aley, Green Fund Program Manager, University of Wisconsin-Madison Victoria Salerno, PhD candidate Entomology and Environmental Studies, University of Wisconsin-Madison	Olin-Rice Science Center, Room 150
Divestment from Fossil Fuels: What Have We Learned? Panel Facilitator: Megan Butler, Sustainability Director, Macalester College Join us to hear how students from two different campuses have worked towards the divestment of fossil fuels from their university's endowment, as well as refocusing their school's investments into more green avenues. Learn about who the faces behind this movement are, how they achieved systemic change, and how you can make a lasting impact in your community! If you are interested in learning from your peers by cultivating conversations around creating change on your university's campus, expanding on the discussion surrounding divesting from fossil fuels and more, please join us!	Kolibri Drobish, Biology - Ecology, DivestNMU, Northern Michigan University Mackenzie Geary, Social Media Design Management and Art, DivestNMU, Northern Michigan University Sasha Lewis-Norelle, Environmental Health and Justice Organizer, Clean Water Action MN	Olin-Rice Science Center, Room 245
Macalester Campus Sustainability Tour Learn about sustainability efforts at Macalester College, our conference host. The tour will include learning about energy efficiency efforts including plans for geothermal, their Free Swap center, Bike Workshop and free bike loan program, how dining services donates food "waste", native plants and more.	Macalester College Sustainability Student Staff	Meet Outside Olin Hall on the North Side

Midwest Dairy works on behalf of dairy farmers to inspire consumer confidence in dairy products and their production practices and represents over 4000 dairy farms, which impact over 40 million consumers across a 10-state region. Dairy farmers have long shared a deep commitment to taking care of their animals and everyone's shared resources including air, land, and water. This commitment, and the actions taken by dairy farmers throughout the Midwest, play a vital role in providing sustainably produced foods, nourishing people, our planet, and communities. Check out Midwest Dairy's booth to learn more about dairy's goal to achieve GHG neutrality by 2050.		TABLE EVENT SPONSOR
The Arbor Day Foundation is a nonprofit organization dedicated to planting, nurturing, and celebrating trees and fostering a healthier, greener planet. Through its Tree Campus Program, the Foundation recognizes and supports colleges and universities that effectively manage their campus trees, engage students and staff in conservation efforts, and develop connectivity with the community to promote environmental stewardship. This program not only enhances the beauty and sustainability of campuses but also instills a sense of responsibility and environmental awareness among future generations.		TABLE EVENT SPONSOR
Re:wild Your Campus is leading a nationwide movement to transform campuses into vibrant, sustainable, and ecologically safe environments and create a new way of living in sync with nature. We are on a mission to eliminate synthetic pesticides from all college campuses in the U.S. by 2030 by working closely with campus administrators, students, faculty, and local organizations to eliminate synthetic pesticides, implement organic land care, and rewild spaces through projects tailored to each campus's unique needs and goals. Our educational programming and training offerings span from workshops for students and community members that explore pesticide use and environmental justice, to our signature hands-on training for groundskeepers that outlines the basics of organic land care. Together, we can create a lasting impact and inspire change far beyond the boundaries of campus.		TABLE EVENT SPONSOR
The GREEN Program (TGP) is an award-winning global education organization focused on the world's most pressing sustainability issues. We work closely with colleges and universities around the world who are looking to expand sustainability education opportunities for students, faculty, and/or staff. TGP programs are 8-10 days long, focus on the U.N. Sustainable Development Goals (SDGs), and are skills-based, solutions-focused, and interdisciplinary, designed to prepare learners to address real-world problems and create a sustainable, climate-resilient global society.		TABLE EVENT SPONSOR
At McKinstry we are committed to a zero-carbon future and to taking Action for Impact in the face of our mounting climate, affordability and equity crises. Why? We are compelled by our values and Action for Impact aspiration to innovate waste and climate harm out of the built environment. The result delivers modern, healthy, comfortable facilities for our clients and the communities they serve. McKinstry been innovating for the last 60 years, and we have the tools and relationships needed to bring your vision to life. Our goal is to earn your trusted partnership for the life of your building. Together, we can build a thriving planet.		TABLE EVENT SPONSOR
University of South Dakota: Sustainability Academic Programs We think of sustainability as asking the questions "What kind of world do we want?" and "How can we effect change to create that world?" Our goal is to train and empower students to co-create that world through our undergraduate, master's, and PhD degrees in sustainability. For more information contact Dr. Meghann Jarchow (Meghann.Jarchow@usd.edu), Chair of the Department of Sustainability & Environment.		TABLE EVENT SPONSOR
Doctor of Education (Ed.D) in Educational Sustainability, University of Wisconsin - Stevens Point Looking to become a change agent? If you are interested in building socially, ecologically and economically sustainable communities and interested in transforming systems of teaching, learning and leadership, this is the program for you. This program is online and designed for working professionals from interdisciplinary fields in sustainability.		TABLE EVENT SPONSOR
Bon Appétit Management Company is an on-site restaurant company offering full food-service management to corporations, universities, museums, and other specialty venues. Our chefs cook from scratch, and we are proud to be widely recognized as a pioneer in environmentally sound sourcing policies, including supporting small, local farms, tackling foods' role in climate change, sourcing humanely raised meat, and more.		TABLE EVENT SPONSOR
RMF Engineering helps higher education clients meet their climate action goals by reducing energy use intensity and increasing efficiency in facilities operations.		TABLE EVENT SPONSOR
Fostering Sustainability in Higher Education: Leveraging Human Behavior in Organizations The field of Industrial/Organizational (I/O) psychology offers a wealth of knowledge about human behavior within organizations that can support the changes essential for moving higher education (HEIs) toward sustainability. This book serves as a one-stop-shop for individuals intent on engaging their HEIs in sustainability, but who have little experience with organizational change or have encountered barriers to progress. It synthesizes the empirical literature and describes through accessible prose the psychological principles to encourage structural, procedural, social, and behavioral changes in support of a socially just and environmentally sustainable future.		TABLE BOOK SIGNING
Citizens Climate Education/Citizens Climate Lobby empowers everyday people to work together on climate policy. Our supporters are organized in 420+ chapters across the United States building support in Congress for a national bipartisan solution to climate change.		TABLE
The Sunrise Movement, with over 400 hubs across the country, is a national youth movement to stop the climate crisis, win a Green New Deal, and achieve racial and economic justice. The Twin Cities hub, based out of Macalester, works on environmental justice and political campaigns, as well as educational initiatives, on campus and around the Twin Cities		TABLE

2024 UMACS CONFERENCE SCHEDULE

POSTER PRESENTATIONS

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Sustainability Education in the Time of AI Andrea Hicks , Faculty & Director of Sustainability Education and Research, University of Wisconsin - Madison	POSTER
Sustainability Benefits of Hybrid Work: A case study on how the pandemic shifted campus commuting Audrey Stanton , Graduate Student, Office of Sustainability, University of Wisconsin-Madison	POSTER
MICROFLUIDIC VISUALIZATION SEDIMENTS AND ORGANIC MATERIAL IN THE ESTUARINE SALINITY TRANSITION Rana Rishmawi , Undergraduate, Macalester College	POSTER
Monarch Haven: Protecting Butterflies Through Rearing, Monitoring, Tagging and Releasing Alexa Armendariz , Wildlife Conservation, Central Community College	POSTER
Summary of Campus Food Waste Management Programs and Contributions to Successful Implementation Elizabeth Smith , Community and Regional Planning, MCRP, and Sustainable Agriculture, MS, Iowa State University	POSTER
A Qualitative Comparative Examination of Campus Sustainability Initiatives Between Oklahoma State University (OSU) and Colorado State University (CSU): Exploring Environmental Performance and Leadership Pavithra Priyadarshini , Environmental Science graduate program, Oklahoma State University	POSTER
Carleton's Next Climate and Environmental Justice Actions Elena Prichard, Grace Bassekle, Sadie DiCarlo, Demetrius Blackmon-Jimenez, Nico Bolling, Alex Dudnyk, Io Harris, & Lillian Fisher , Undergraduates, Carleton College	POSTER
Wildcat Water: You CAN Do It! Mackenzie Geary , Social Media Design Management, Northern Michigan University	POSTER
Drivers for and Barriers to Sustainability Initiatives at Small Colleges in the Midwest Hannah Weber , Geography Graduate Student, Southern Illinois University Carbondale	POSTER
Rain Barrels and Rain Chains Brayden Adrian , Environmental Sustainability Intern, Environmental Sustainability Office - Central Community College	POSTER
Group-based Climate Storytelling Increases Capacity for Collective Action Marshall R Roll, Martina Toledo Alcarraz, Rachel Campbell, Max Park, Meira Smit , Undergraduates, & Professor Christie Manning , Macalester College	POSTER
Investigating E-Waste at the University of Minnesota Duluth's Campus: Lessons in Sustainable Systems Thinking Karaline Green , Master's Student, University of Minnesota - Duluth	POSTER
The Effect of Food Service on Recycling Rates Valentyna Stopul , Graduate Student, Geography & Geospatial Science MA, South Dakota State University	POSTER
Sustainability in Sports Bruno Guidali , Undergraduate, President of Macalester Club Soccer Team, Macalester College	POSTER
Sustainable & Green Chemistry Committee at the University of Minnesota Nathan Rackstraw, Eli Broman , Graduate students, & Professor Lee Penn , University of Minnesota	POSTER
Clean Energy Leaders: Building a Future of Climate Leaders Kobe Knettel & Martha Wondimu , Clean Energy Program Assistants, University of Minnesota - Twin Cities	POSTER
Food Waste Reduction at Northern Michigan University Avery Case & Isabel Oertel , Undergraduates, Northern Michigan University	POSTER