

THE Core SAMPLE

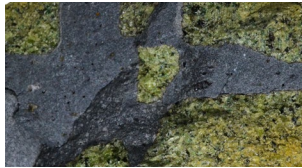
Internal Newsletter of the School of Energy Resources

February | 2023

UW RECEIVES DOE FUNDING FOR HERO BASALT CARBONSAFE PROJECT IN PACIFIC NORTHWEST

The University of Wyoming will receive \$10.5 million from the U.S. Department of Energy (DOE) for a research and development project advancing the wide-scale deployment of carbon management technologies to reduce carbon dioxide (CO₂) pollution.

Researchers in the UW School of Energy Resources (SER) Center for Economic Geology Research (CEGR) will lead the HERO Basalt CarbonSAFE (Hermiston Oregon Carbon Storage Assurance Facility Enterprise) project in partnership with Oxy Low Carbon Ventures (Oxy), Pacific Northwest National Laboratory (PNNL) and Calpine to accelerate the scale-up and deployment of commercial CO₂ storage in basaltic rocks at a storage complex near Hermiston, Ore.



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SER'S KOSKI RECOGNIZED AS 'TOP PROF' BY UW MORTAR BOARD CHAPTER

Kris Koski of the School of Energy Resources (SER) was named among the 'Top Profs' by the Mortar Board Chapter at the University of Wyoming.

'Top Prof' is a student driven selection process in which members of the Cap and Gown Chapter of Mortar Board select professors who have positively influenced their lives at UW. These professors go beyond normal classroom expectations to help their students succeed.

Nominated by Energy Resource Management and Development (ERMD) senior and Mortar Board chapter member **Molly Murnane** of Crofton, Md., Koski was honored among other 'Top Profs' at the annual recognition dinner.

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HIGHLIGHTS

Research Centers of Excellence

- Research Scientists Lily Jackson, Lu Lee, and Tao Bai in the *Center for Economic Geology Research (CEGR)* battled freezing temperatures to recover microseismic instruments that were used to detect potential microseismicity from water injection tests in the PRB #1 and PRB #2 CCUS wells. More on this in the next issue!



Academics

- Energy and Environmental Systems (EES) Alumna **Alyson White Eagle** *SoundingSides* was featured in a UW Institutional Marketing video to promote the ERMD program as a pathway to law school. [Watch Here >](#)



- ERMD students **Rachel Reese** and **Kendall Klos** (both in the Professional Land Management concentration) were recognized for their service in the STEM field at UW's Own It! Awards!***

*** more details in features

To submit news and updates
email: Christine.reed@uwyo.edu



UNIVERSITY
OF WYOMING

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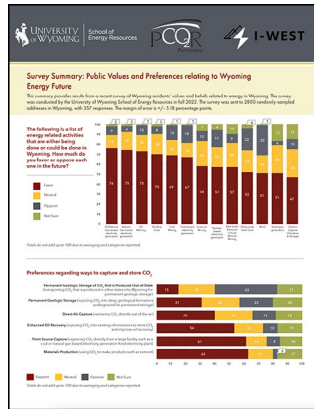
UW'S SER UPDATES SURVEY ON WYOMING RESIDENTS' ACCEPTANCE FOR ENERGY DEVELOPMENT

An updated survey from the University of Wyoming's School of Energy Resources (SER) explores Wyoming residents' perspectives of energy development, including "social license" — the level in which Cowboy State residents support or oppose different forms and amounts of energy development.

The research is a companion document to the original study that was conducted in 2020 in collaboration with UW's Ruckelshaus Institute of Environment and Natural Resources.

The study provides a summary of Wyoming residents' values and beliefs related to energy in Wyoming. The research was led by **Jessica Western**, an adjunct professor in the UW Haub School of Environment and Natural Resources, and **Selena Gerace**, an SER associate research scientist. It was supported by the Plains CO₂ Reduction Initiative and the U.S. Department of Energy's Intermountain West Energy Sustainability and Transitions initiative.

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UW'S SER AND ENERGY VAULT LAUNCH \$5,000 GRADUATE STUDENT RESEARCH COMPETITION

The University of Wyoming School of Energy Resources (SER) and energy storage technology company Energy Vault are collaborating on a \$5,000 student research competition.

The Energy Vault Student Competition is designed to identify potential new methods of hydrogen storage and to provide examples of current research or companies exploring such methods. The competition is open to any UW graduate student or graduate student teams.

Students entering the competition will have nearly eight weeks to conduct research on the topic, prepare a summary of their findings and an accompanying PowerPoint presentation. At the conclusion of the competition, students will provide a 20-minute presentation to representatives of Energy Vault where a winner will be selected. The entire \$5,000 prize purse will go to the top individual or team.



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HIGHLIGHTS

Academics Cont.

- Academic Director **Kami Danaei** was the recipient of a Mortar Board 'Tip of the Hat Award' for outstanding service to students. She was nominated by ERMD student **Molly Murnane**.



General Announcements

- Executive Director **Holly Krutka** and Research Scientist **ChooiKim Lau** in the *Center for Carbon Capture and Conversion* were featured speakers on a panel discussion sponsored by *WIMSE* discussing work life balance.



UNIVERSITY OF WYOMING SCHOOL OF ENERGY RESOURCES SUBMITS LETTER OF INTENT FOR REGIONAL DIRECT AIR CAPTURE HUB

The University of Wyoming School of Energy Resources (SER), together with the Wyoming Business Council (WBC), announced today that it has submitted a Letter of Intent to submit a proposal for the U.S. Department of Energy's (DOE) Four Regional Clean Direct Air Capture Hubs program, part of the Investment in Infrastructure and Jobs Act. The Letter of Intent outlines a deliberate and market-driven approach to understanding the feasibility of a Wyoming Direct Air Capture (DAC) Hub Pilot-Center; the application is intended to pursue the most conservative timeline made available by the DOE.

The direct air capture (DAC) industry represents an opportunity to help solve pressing economic challenges in Wyoming while utilizing the state's extensive energy infrastructure knowledge built on a proud legacy of powering the nation. Last November, SER and WBC released a Request for Expression of Interest to solicit input from key stakeholders on direct air capture activities and initiatives in Wyoming. This process informed the inter-agency collaborative to pursue a Topic Area-1 (TA-1) Feasibility track to address several challenges to enable DAC industry growth, including clean energy, early technology readiness, long-term market uncertainty, and community integration.

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GLOBAL ENERGY EXECUTIVE SKIP YORK SPEAKS AT SER

Harold "Skip" York, senior vice president and chief energy strategist for Turner, Mason & Co., spoke at multiple events at the University of Wyoming College of Business and the School of Energy Resources (SER) Thursday and Friday, Feb. 23-24. He presented to UW students about energy economics and corporate strategies in an era of energy transformation, innovation and uncertainty.



An accomplished energy business professional and UW alumnus originally from Cheyenne, York has an extensive resume in advising global corporations on strategy formulation, competitiveness, multibillion-dollar mergers, acquisitions and divestitures.

He is the donor of the "York Future of Energy Scholarship" that benefits students in the Energy Resource Management and Development degree program at SER.

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[Watch Presentation Recording >>>](#)

IMPORTANT DATES

- **UW Spring Break**
March 13-17, 2023
- **Directors Reports Due for ERC**
March 17, 2023
- **Distinguished Speaker Series - Marne Jones (Public Utilities)**
March 20, 2023
- **Distinguished Speaker Series - Sondes Kahouli (International Energy Econ.)**
March 22, 2023
- **Distinguished Speaker Series - Mark Northam (Energy Trans. in Norway)**
March 29, 2023
- **Carbon Energy Innovation Summit**
March 30, 2023
- **Energy Resources Council Meeting**
March 31, 2023
- **Distinguished Speaker Series - Julie Martinez (Women in Oil and Gas)**
April 4, 2023
- **Energy Vault Student Competition Presentations and Awards**
April 10, 2023
- **Distinguished Speaker Series - Doug Wicks (Department of Energy Waste to Energy)**
April 10, 2023
- **UW National Lab Day**
April 12-13, 2023
- **RENEW Academic Workshop**
April 13-14, 2023
- **AAPG CCUS Conference - Houston & Alumni Event**
April 24-27, 2023
- **Rocky Mountain Professional Landman Conference**
May 5, 2023



FIFTY-THREE UW FEMALE FACULTY, STAFF, STUDENTS AND ALUMNAE HONORED AT UW'S OWN IT! AWARDS

Fifty-three women at the University of Wyoming were recognized at the sixth annual Own It! Awards ceremony Feb. 21.

Sponsored by Wyoming's Established Program to Stimulate Competitive Research (EPSCoR), Wyoming INBRE (IDeA Networks for Biomedical Research Excellence) and the Wyoming NASA Space Grant Consortium, Own It! strives to recognize women in science, technology, engineering and mathematics (STEM) at UW. The celebration serves to help increase the visibility of an often-overlooked group in STEM, which can be fundamental in encouraging women to participate in science.

SER had four staff members and two students recognized at the event in the following categories:

Overall: A woman who is deserving of celebration

-- **Holly Krutka**, executive director, School of Energy Resources

Research: A woman who has made significant contributions to her field of research

-- **ChooiKim Lau**, research scientist, School of Energy Resources

Service: A woman who demonstrates service, leadership and mentoring among her peer group

-- **Kami Danaei**, associate dean/academic director, School of Energy Resources

-- **Kendall Klos**, School of Energy Resources, Johnsburg, Ill.

-- **Holly Krutka**, executive director, School of Energy Resources

-- **Christine Reed**, director, outreach, and Energy Resources Council secretary, School of Energy Resources Director's Office

-- **Rachel Reese**, Energy Resource Management and Development 3+3 Program, Johnstown, Colo.

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SER BIRTHDAYS!

JANUARY

Dave Lucke, January 15

Rachel Ferrell, January 2

FEBRUARY

Richard Horner, February 11

Bob Gregory, February 11

Frankie Vogt, February 19

Charles Nye, February 31 ← Ha, ha, Charles. We celebrate you anyway!

Going forward, we will be acknowledging birthdays of our SER staff, faculty and adjunct faculty and ERC Board members. If you wish for your birthday to be listed, be sure to contact Kristi and let her know when it is and that you'd like it included. krussow@uwyo.edu

Happy birthday to all of our January and February birthdays!

