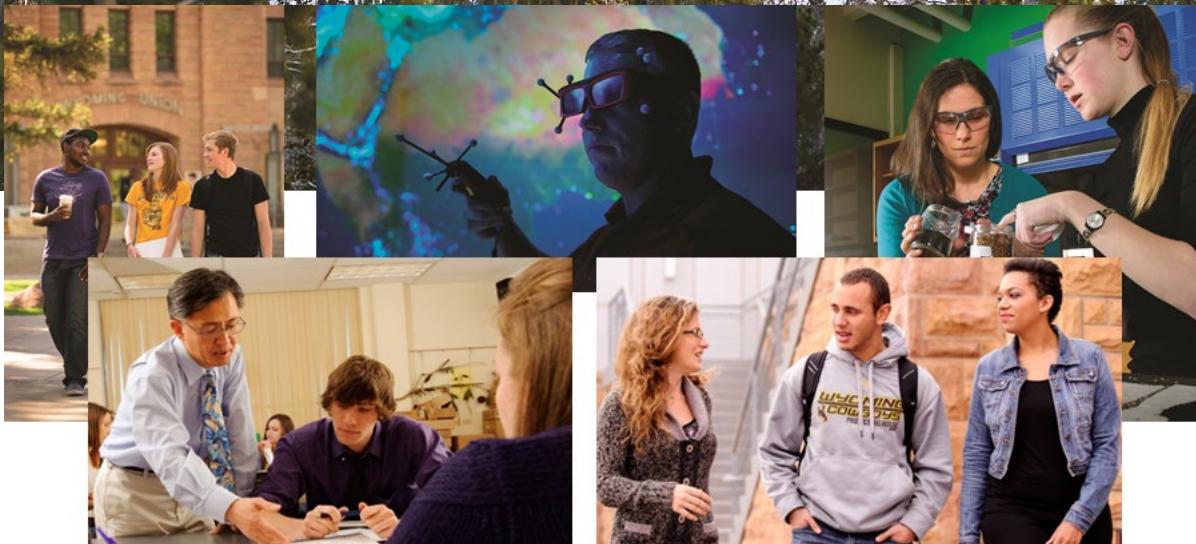
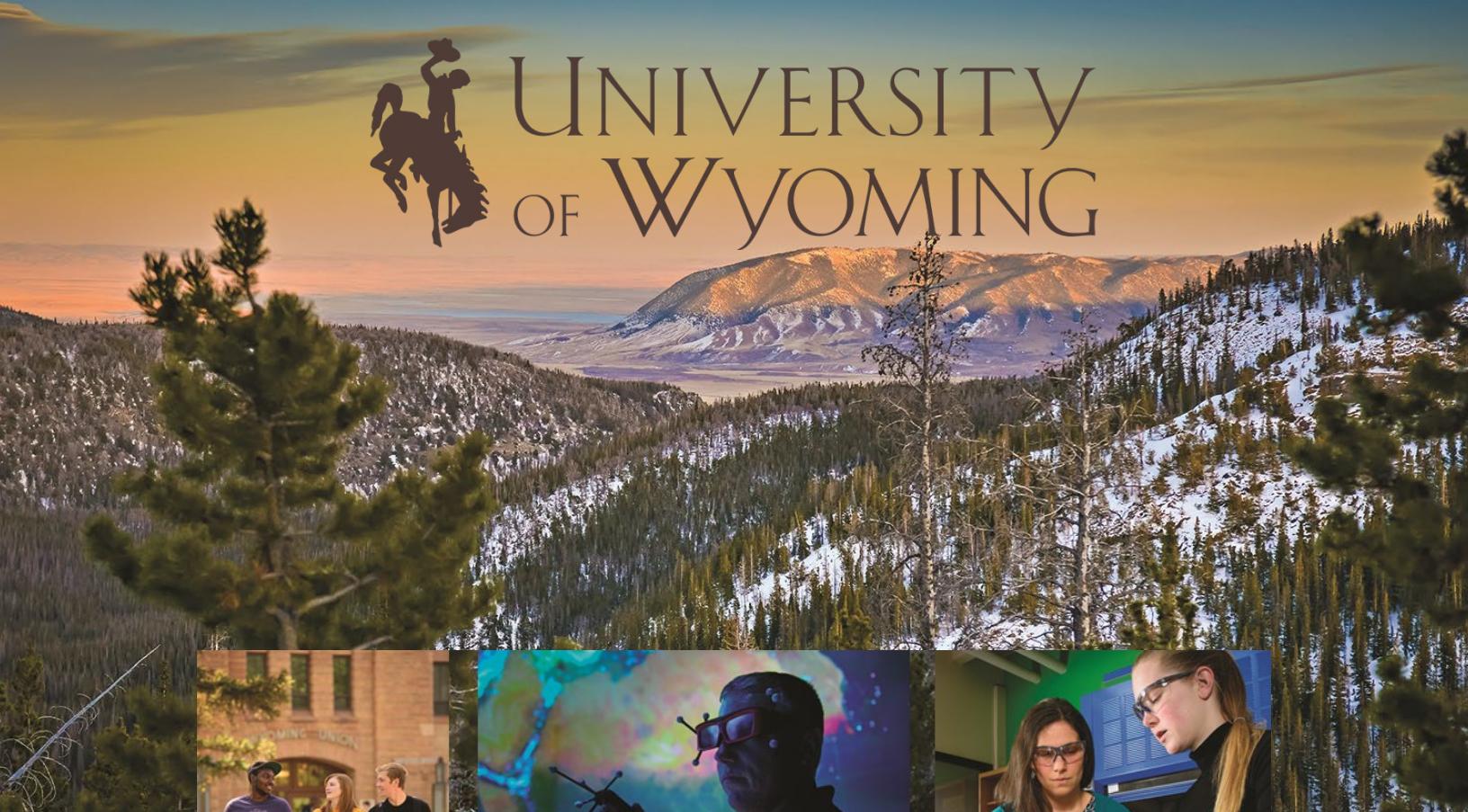




UNIVERSITY
OF WYOMING



POSITION PROFILE

Professor (Regional Integrated Earth Systems Modeler)

August 2022



UNIVERSITY OF WYOMING

Nestled amid the beauty of two mountain ranges in southeastern Wyoming, you will find the nationally recognized teaching and research institution, the **University of Wyoming (UW)**. Established as a land-grant institution in 1886 when Wyoming was still a territory, UW has since grown to nearly 200 areas of study, drawing approximately 12,000 students from all 50 states and 83 countries. UW is known for its accomplished faculty and world-class facilities, its small student/faculty ratio, and quality undergraduate and graduate programs within its colleges of Arts & Sciences, Agriculture & Natural Resources, Business, Education, Engineering & Applied Science, Health Sciences, Law, School of Energy Resources, and Haub School of Environment and Natural Resources. To learn more: <http://www.uwyo.edu>

Throughout its existence, UW has been the only four-year university in the state of Wyoming, though it maintains close relationships with the state's seven community colleges. UW's global impact begins with innovative undergraduate and graduate research opportunities and extends through state and federal partnerships and recent initiatives such as the Wyoming Institute for Humanities Research and the School of Energy Resources. UW has played important roles in the lives of students, Wyoming residents, and communities for 136 years.

- Recognized by *Forbes* in 2019 as one of America's Best Value Colleges.
- Rated as a "Top 15 Outdoor Adventure College" by *Outside* magazine.
- Wyoming ranks #4 in the U.S. News and World Report's "Best States for Higher Education."

The University community is working collaboratively to help the University reinforce and strengthen its reputation as it adapts to changing economic factors in the state and beyond. This is an exciting time to be a part of UW as it embarks on new and exciting opportunities.

Location: Located in Laramie, Wyoming, a town of more than 31,000 with a unique blend of sophistication and western hospitality, UW not only provides an environment for success but also offers varied academic and lifestyle opportunities. Laramie boasts a low cost of living with no state income tax as well as incredible outdoor recreational opportunities, an eclectic downtown area, and a great public school system.





HAUB SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

The University of Wyoming's Haub School advances the understanding and resolution of environment and natural resource issues. The Haub School's academic programs are a nexus for interdisciplinary environment and natural resources education and inquiry, including a new BS in Outdoor Recreation and Tourism Management and a new MS in Environment, Natural Resources and Society. The School's curricula emphasize collaborative and interdisciplinary approaches that prepare students to become thoughtful future leaders and problem-solvers in the environment and natural resources fields. Students learn in the classroom, in real-world enterprises, in Wyoming's outstanding natural outdoor laboratory, and overseas. The Haub School has a strong community-based culture and has recently experienced unprecedented growth in students, faculty, outreach, and UW financial support. In FY20, the Haub School had 380 undergraduate and 58 graduate students enrolled. The School includes 22 faculty and 5 staff; additional academic support is provided by professors of practice, academic professionals, and visiting scholars. Wyoming and the Western United States enjoy an unparalleled richness of natural resources and face many complex challenges regarding the management of those resources. This complexity provides an opportunity for faculty, students, and staff at the Haub School to work with partners to learn about issues, to bring knowledge to bear on those issues, and to facilitate collaborative decision making.

The Ruckelshaus Institute, a division of the Haub School of Environment and Natural Resources at the University of Wyoming, advances the understanding and resolution of complex environmental and natural resources challenges and supports stakeholder-driven solutions to environmental challenges by conducting and communicating relevant research and promoting collaborative decision making.

BACKGROUND: NSF EPSCoR GRANT

The University of Wyoming announced in May 2022 that it had received a \$20 million grant from the National Science Foundation to study climate-driven changes to Wyoming's water supply and all the impacts that will follow. The grant was made through the Established Program to Stimulate Competitive Research (EPSCoR) of NSF, which supports efforts to enhance research, science and mathematics education, and workforce development. The project funded is called **WY-ACT: Wyoming Anticipating Climate Transitions**. The project will fund creation of a Laboratory for Regional Earth System Modeling (LRESM) and the launch of a Center for Climate, Water, and People.

The project provides initial funding for five new faculty positions. The University has committed to continued funding for these positions once NSF funding ends. The Regional Integrated Earth Systems Modeler position is the first of these five new faculty positions and, as the "lead" hire for the project, and Director of the LRSEM, will be responsible for leading collaborative work to design and equip the Laboratory for Regional Earth System Modeling and will have input in the hiring of four new faculty members. The position is for an integrated modeler who can direct the development of a comprehensive model that projects climate, weather, hydrology, watersheds, botany, forest ecosystems, agriculture, and social and economic systems. The position will report to the Dean of the Haub School for Environment and Natural Resources but will collaborate with various academic departments at the University.

THE OPPORTUNITY: REGIONAL EARTH SYSTEMS MODELING

The University of Wyoming seeks to hire a research leader at the associate or full professor level who will direct a new Laboratory for Regional Earth Systems Modeling. The successful candidate is expected to have an exceptional record of externally funded research and national leadership in regional earth systems modeling with promise of integrating multiple processes and interactions in coupled models to support adaptation to changing water availability and climate-driven disturbances. This position offers tremendous opportunities to strengthen collaborations with the National Center for Atmospheric Research (NCAR) and to leverage existing world-class capabilities of the UW Advanced Research Computing Center, UW's high-performance computer cluster – **Teton** - and the NCAR-Wyoming Supercomputer Facility.

The Position:

- Provides an academic appointment and tenure home in the Haub School for Environment and Natural Resources, with an opportunity for joint appointment with the School of Computing;
- Includes a leadership role associated with a newly awarded \$20 million NSF project on climate change, shifting water availability and socioecological responses in the nation's headwaters region of the Greater Yellowstone Area;
- Will advise in the recruitment of four additional tenure track faculty positions into a Laboratory for Regional Earth System Modeling;
- Will work with MS and PhD students and post-doctoral scholars; and
- Provides access to significant start-up resources to build a successful and durable research program.



QUALIFICATIONS

Minimum Qualifications

- PhD in a relevant discipline and record of scholarship appropriate for rank of associate or full professor with tenure;
- Evidence of significant accomplishment and leadership in integrated regional earth system modeling;
- Demonstrated leadership in the application of coupled models to address human management in a changing world;
- Demonstrated commitment to interdisciplinary research; and
- Demonstrated commitment to diversity, equity, and inclusion.

Desired Qualifications

- Interest or experience in natural resource issues in the Intermountain West;
- Interest in linking the physical and social sciences;
- Interest in or experience with co-production processes engaging stakeholders and communities in modeling; and
- Higher education teaching experience.



WHY CONSIDER THE OPPORTUNITY

- **Resources.** UW has state-of-the-art facilities and a beautiful, well-maintained campus.
- **Location.** Laramie is a great place to live and work. Laramie boasts a low cost of living, low property taxes, and no personal state income tax. The area offers incredible outdoor recreational opportunities, an eclectic downtown area, and a great public school system.
- **Environment.** Warm, collegial, supportive people and work environment.
- **Leadership.** Led by President Edward Seidel, the University is undergoing significant reorganization initiatives designed to position it for leadership and impact.
- **Compensation.** Highly competitive salary and solid benefits package including a retirement benefit that features a state contribution of 14.94% of an employee's gross salary.
- **Impact.** The position provides a unique opportunity to lead a multi-disciplinary collaborative project that addresses critical issues for the future of the Intermountain West.



PROCEDURE FOR CANDIDACY

The University of Wyoming, in consultation with Summit Search Solutions, Inc., will begin a confidential review of application materials immediately and continue until the position is filled; **parties who apply by September 18, 2022 will be given first consideration.** Please submit a CV/resume and letter of interest upon application. All applications and nominations will be held in confidence. To apply online, go to: <https://theapplicantmanager.com/jobs?pos=su317>

For more information or to offer recommendations or nominations:

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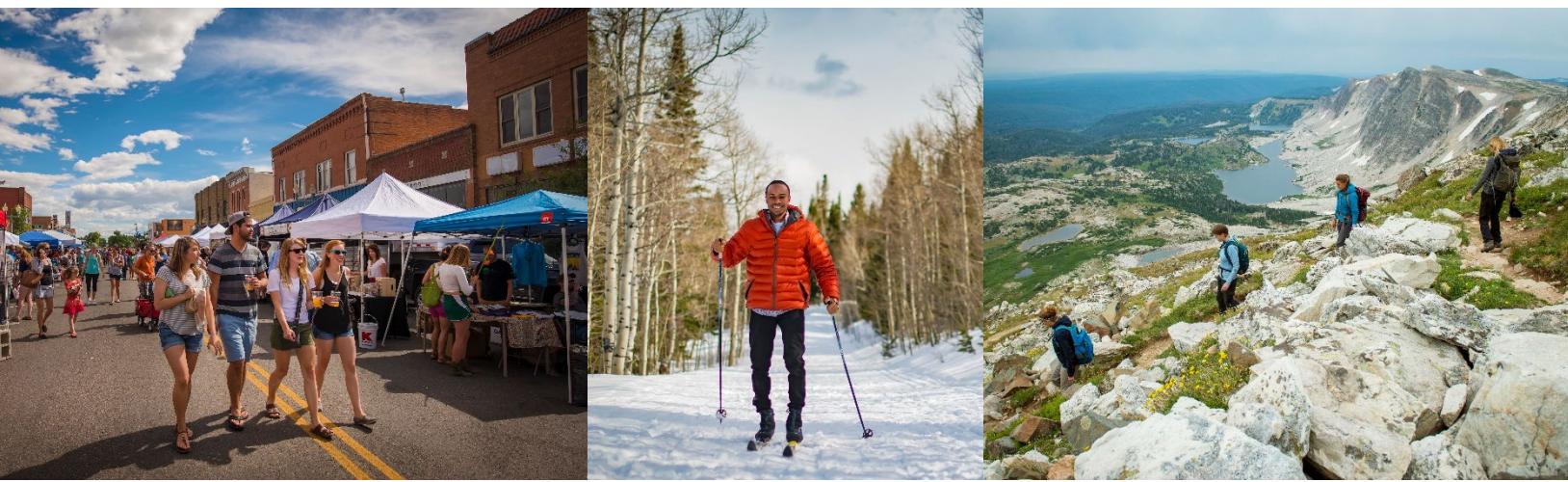
[Summit Search Solutions, Inc.](#) is a boutique executive search firm dedicated to serving the education and nonprofit sectors nationwide. Summit has a team of experienced recruiting consultants in strategic locations across the country including California, Kansas, Maryland, New York, North Carolina, and Utah.

Members of under-represented groups are encouraged to apply. The University's policy has been and will continue to be, one of nondiscrimination, offering equal opportunity to all employees and applicants for employment without regard to race, gender, religion, color, national origin, disability, age, protected veteran status, sexual orientation, gender identity, genetic information, creed, ancestry, political belief, pregnancy, or other status protected by state and federal statutes or University regulations. The University's nondiscrimination policy applies to all matters relating to its education programs and activities including recruiting, hiring, training, compensation, benefits, promotions, demotions, transfers, and all other terms and conditions of employment. To review the [EEO is the Law Poster](#) and its [Supplement](#), please see [The Diversity & Fairness page](#).

*Pursuant to Wyoming State law, W.S. 19-14-102, as amended, an honorably discharged veteran who has been a resident of the state of Wyoming for one (1) year or more at any time prior to the date when the veteran applies for employment, or any surviving spouse who was married to such veteran at the time of the veteran's death, who is receiving federal survivor benefits based on the veteran's military service and is applying for employment, shall receive an interview preference during the applicant screening process with the University of Wyoming. At the time of application, the applicant must possess the business capacity, competency, education or other qualifications required for the position. If disabilities do not materially interfere with performance of job duties, disabled veterans will be given preference over able-bodied veterans. **Appropriate documentation of veteran status must be provided at the time of application as outlined in the application process.** No preference will be given to a veteran currently employed by a public department.*

The University of Wyoming conducts background investigations for all final candidates being considered for employment. Offers of employment are contingent upon the completion of the background check.

Applicants with disabilities may request accommodation to complete the application and selection process. Please notify Human Resources at least three (3) working days prior to the date of need.



LARAMIE, WYOMING

Laramie is filled with hospitality, entertainment, and excitement while providing a neighborly atmosphere and warm small-town feel with a multitude of amenities and entertainment. The name “Wyoming” conjures up visions of the Old West as few others can. Laramie features a historic downtown, prairie and mountain vistas, rodeos, guest ranches, and more. Surrounded by the great outdoors, Laramie is also southeastern Wyoming’s center for arts events, with a lively music and theater scene, art exhibitions, festivals, and a variety of other entertainment. And don’t forget all the sports activities at the university and K-12 levels.

Interesting Facts:

- Also known as the “Gem City of the Plains,” Laramie is located in the southeastern part of Wyoming approximately 45 miles from the state capital, Cheyenne, and 130 miles from Denver, Colorado.
- Laramie sits at 7,200 feet above sea level in the Laramie River Valley surrounded by the Medicine Bow National Forest, the Laramie Mountains, and the Snowy Range.
- Laramie has a 6% sales tax, but does not have a state income tax or state inheritance tax.
- Laramie offers a variety of outdoor adventures with more than 250 days of sunshine per year.
- The quality of life and amenities Laramie has to offer brings several types of industries to the area including technology companies and academia.



About 20 minutes east of Laramie, the Vedauwoo Recreation Area boasts some of the best rock-climbing in the country. You can photograph abundant wildlife, dramatic mountain scenes, and jumbled rock formations. And with more than a hundred mountain biking trails, the Laramie area provides a paradise for exploration on two wheels. Whether you prefer walking or hiking; camping or day-trips; fishing or hunting; mountains, lakes, rivers, or trails – Laramie offers something for everyone. Families will find fun and exploration close to town, while backpackers and sportsmen can spend a week in the high country of the Medicine Bow Mountains. And as a winter snow enthusiast, you can escape the crowds by exploring the hills, forested glens and rolling meadows of the Snowy Range from the back of a snowmobile or on downhill or cross-country skis. Laramie is one of Wyoming’s favorite playgrounds!

For more information on Laramie please visit:

Visit Laramie, <http://visitlaramie.org/> Laramie Chamber Business Alliance, <http://laramie.org/>
 Laramie Main Street <https://laramiemainstreet.org/>