Strategies—Sharing—Solutions
The Changing Climate of Natural Resource Education

13th Biennial Conference on University Education in Natural Resources

University of Montana
Missoula, MT
March 12-14, 2020
Thursday, March 12

Optional afternoon field trips, registration required

- Missoula Fire Tour
- Unseen Missoula: Basements and Back Alleys Tour

6 to 8 p.m. — Welcome reception and registration, Conflux Brewing

Friday, March 13

8 to 8:30 a.m. — Registration and poster set-up, third floor of the University Center, University of Montana campus

8:30 to 10:30 a.m. — Welcome plenary session, University Theater, third floor of University Center

- 8:30 a.m. — Welcome from hosts Tom DeLuca, Beth Dodson, John Goodburn, and Provost Jon Harbor
- 9 a.m. — Jim Durglo, chair, Salish Kootenai College Board of Directors, Inter-tribal Timber Council
- 9:30 a.m. — Rebeca Ramsey, executive director, Swan Valley Connections

10 a.m. — Networking break and poster session

10:30 a.m. to 12 p.m. — Plenary Sessions, University Theater

10:30 to 11 a.m. — Developing Inclusive Pedagogy by Serra Hoagland, liaison officer, Rocky Mountain Research Station, USFS

11 to 11:30 a.m. — Designing Inclusive Pathways Through the Tough Terrains of Natural Resources: Recognizing and Overcoming the Perceived Barriers to Inclusive Mindedness by John Hayes and Rickey Frierson, Colorado State University

11:30 a.m. to 12 p.m. — Climate Change Literacy by Steve Running, University of Montana
12 p.m. to 1:30 p.m. — Lunch, UC 332/333
- Featuring Bandy Beef
- Learning By Doing at the Bandy Ranch by Tom DeLuca, Dean, W.A. Franke College of Forestry and Conservation
- BCUENR business meeting

1:30 to 3 p.m. — Concurrent sessions A and B

Session A: Immersive Field-Based Programs, UC 330/331, moderated by Andrew Larson
1:30 to 1:50 p.m. — Experiential Education Informs Interactions with Climate by Marion Willmus, University of Montana
1:50 to 2:10 p.m. — Immersive, Field-Based Learning Experiences Bridge the Natural Resources Professions: Getting Lost in the Woods to Emerge a Professional by Tara Bal and Andrew Storer, Michigan Technological University
2:10 to 2:30 p.m. — Living Experiential Education: Developing an Immersive Experience in Conservation Agriculture for Students in Rwanda by Larkin Powell, University of Nebraska-Lincoln
2:30 to 2:50 p.m. — Wilderness and Civilization: From Wild Idea to Flagship Program by Joanna Campbell, University of Montana
2:50 to 3 p.m. — Questions

Session B: Use of Technology to Engage Students, UC 332/333, moderated by Keith Bosak
1:30 to 1:50 p.m. — Use of Apps to Promote Active Learning in Natural Resource Policy Class by Jim Shepard, Auburn University
1:50 to 2:10 p.m. — The Marteloscope: Ecological and Economic Real-Time Assessment of Silvicultural Strategies by Ted Howard, University of New Hampshire
2:10 to 2:30 p.m. — What’s in Your Neighborhood?: Teaching Environmental Justice Case Study Using Mobile Geospatial Information Systems (GIS) Application, the Collector for ArcGIS by Megan Lupek and Meredith Hovis, North Carolina State University
2:30 to 2:50 p.m. — Teaching Trees: Doing Science for a Sustainable Campus with 250+ Students by Stephanie Jeffries, North Carolina State University

2:50 to 3 p.m. — Questions

3:00-3:30 — Networking Break and Poster Session

3:30-5:00 — Concurrent sessions C and D

Session C: Understanding Student and Career Needs, UC 330/331, Moderated by Laurie Yung

3:30 to 3:50 p.m. — Student Perspectives on Enrolling in Forestry and Related Natural Resources Degree Programs at NAUFRP Institutions in the U.S. by Terry Sharik, Michigan Technological University

3:50 to 4:10 p.m. — Career Path Exposure Through a Forest Planning Class by Tim Love, University of Montana

4:10 to 4:30 p.m. — Enhancing the Conservation Law Enforcement Baccalaureate Program at the University of Wisconsin-Stevens Point – Lessons Learned from Research and Applied to Teaching by Michael Rader, University of Wisconsin-Stevens Point

4:30 to 4:50 p.m. — Semi-Structured Field Learning in Fire Management Catalyzes Career Development – Insights from a Decade of Teaching Prescribed Fire in the Southeastern U.S. by Carl Seielstad, University of Montana

4:50-5:00 — Questions

Session D: Innovative Pedagogy, UC 332/333, moderated by Ash Ballantyne

3:30 to 3:50 p.m. — Fostering Climate Literacy Through Active Learning: SimBio’s Simulation-Based Teaching Tools Promote Critical Thinking Both In and Out of the Classroom by John Roach, SimBio and University of Montana

3:50 to 4:10 p.m. — Engaging Students in Strategies for Conservation Optimism in a Rapidly Changing World by Lindsay Seward, University of Maine
4:10 to 4:30 p.m. — Get Your Students Communicating! An Overview of Communication Activities Used in a Communication and Public Relations Course by Paul Doruska, University of Wisconsin-Stevens Point

4:30 to 4:50 p.m. — Entrepreneurship in the Natural Resource’s Classroom by Eli Typhina, North Carolina State University

4:50 to 5 p.m. — Questions

6 to 8 p.m. — Dinner
- 6 p.m. — Social, Holiday Inn Missoula Downtown
- 6:30 p.m. — Dinner and The Wonder and The Worry by Chris Johns, National Geographic photojournalist and editor, T. Anthony Pollner Distinguished Professor, School of Journalism, University of Montana

Saturday, March 14

8:30 to 9:40 a.m. — Concurrent sessions E and F

Session E: Effective Program Assessment, UC 330/331, moderated by John Goodburn

8:30 to 8:50 a.m. — Assessing Essential Learning Outcomes Across an Environmental Science Curriculum by Catherine Tredick, Stockton University

8:50 to 9:30 a.m. — Program Assessment – Developing Meaningful, Sustainable Procedures by Trent Atkins, University of Montana

9:30 to 9:40 a.m. — Questions

Session F: Recognizing and Reversing Diversity Trends in Natural Resources, UC 332/333, moderated by Sarah Halvorson

8:30 to 8:50 a.m. — Comparative Analysis of Enrollment Trends in Natural Resources Academic Programs in the U.S. based on IPEDS and USDA-FAEIS Data by Tara Bal and Andrew Storer, Michigan Technological University
8:50 to 9:10 a.m. — Demographic Diversity and Inclusion Discussions in Natural Resources Literature: A Systematic Review and Content Analysis by Jasmine Brown, Oregon State University

9:10 to 9:30 a.m. — Outside the Historic Range of Variability: Natural Resource Education at a Tribal College by Adrian Leighton, Salish Kootenai College

9:30 to 9:40 a.m. — Questions

10:30 a.m. to 12:00 p.m. — Concurrent sessions G and H

Session G: Society of American Foresters Accreditation, UC 330/331, moderated by Carol Redelsheimer

10:30 to 11:50 a.m. — Seeking Your Input: SAF Accreditation Standards Comprehensive Review by Carol Redelsheimer, Society of American Foresters, and Paul Doruska, University of Wisconsin-Stevens Point

11:50 a.m. to 12:00 p.m. — Questions

Session H: Active Learning, UC 332/333, moderated by Dave Shively

10:30 to 10:50 a.m. — Creating Opportunities for Students through the Sale of Carbon Credits by Chris Keyes, University of Montana

10:50 to 11:10 a.m. — Students as Experimental Forest Managers by Rob Keefe, University of Idaho

11:10 to 11:30 a.m. — This Experiential Learning Course Has It All: Service-Learning, Professional Certifications, Job Skills, On-the-Job Experience and Practice, and Confidence-Building by Lisa Pennisi, University of Nebraska-Lincoln

11:30 to 11:50 a.m. — A Celebration of Field Learning by Beth Dodson, Jen Tomsen, and Ben Colman, University of Montana

11:50 a.m. to 12:00 p.m. — Questions

12:00 Box Lunch Provided

Field tour to Lubrecht Experimental Forest and Blackfoot Valley experiential learning field sites; vans will depart UC and Holiday Inn—Downtown at 1 pm, return by 4 pm
Posters

Developing an Anti-Harassment Statement/Policy and Incorporating it within the Forestry Program in the College of Natural Resources at the University of Wisconsin-Stevens Point; Paul Doruska, University of Wisconsin – Stevens Point

Solving for Sustainability: Environmental First Year Students Create Grant Proposals; Megan Lupek, North Carolina State University

Integrating Technology into Undergraduate Forestry Coursework; Eric McConnell, M. Crosby, J. Holderieath, Louisiana Tech University

Expanding Student Learning Outcomes through Multi-Disciplinary Research Projects; Jason Holderieath, E. McConnell, M. Crosby, Louisiana Tech University

Heads in the Cloud: Experiential and Service Learning Using Smart Devices; Michael Crosby, J. Holderieath, E. McConnell, Louisiana Tech University

Integrating Molecular Techniques into the Natural Resources Management Classroom: A Course-Based Undergraduate Research Experience in Molecular Biology and Fisheries Management; Catherine Benson, Embry-Riddle Aeronautical University

Non-Industrial Private Forest Properties as Your ‘Teaching Forest’- University-Level Educational Opportunities with the Cooperation of Private Landowners; Mark Swanson, Washington State University

UM Conservation Mapping Program, Kevin McManigal, University of Montana.

*Continuing Forestry Education (CFE) credits have been approved for the BCUENR Conference by SAF. Friday and Saturday sessions qualify for 8.5 Category 1 CFE credits.*

Thank you to our conference sponsors!

- Montana Society of American Foresters
- Plum Creek Lecture Series
- W.A. Franke College of Forestry & Conservation