

FEATURE

Project highlights CSU water research in Latin America



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Welcome

Over the next 50 years freshwater resources will be at the forefront of political and societal discussion. While this will undoubtedly be a global issue it will disproportionately affect developing countries where growing populations are drawing on limited reserves of freshwater that are stressed by increased demand for multiple uses. While freshwater ecosystems are under similar stress in a wide range of tropical ecosystems throughout the developing world, at Colorado State University we have an existing diverse expertise working with communities in Latin America to address some of these challenges. This site helps coordinate researchers and research projects to create a public face that highlights our diverse water related expertise and existing research collaborations in Latin American countries. Additionally, this site is a resource for CSU students involved in exchange programs in Latin America and from Latin America students in exchange programs at CSU.



Ed Hall, a research scientist with the Natural Resource Ecology Laboratory, has compiled a website and interactive map to showcase CSU researchers whose work centers on water issues in Latin America. This work was assisted by Joe Fattor (an undergraduate in ESS) and the website was designed and completed by Greg Newman and Russ Scarpino (also from the NREL).

According to Hall, "this list highlights an existing strength in water related research and identifies the potential for powerful synergistic collaborations going forward. [...] The website will serve as an easily accessible tool for faculty and students at CSU looking to participate in academic and cultural collaborations throughout Latin America. It will also provide a public face to highlight our research in Latin America to the local and international community."

Hall received funding for this project through the CSU Water Center's Faculty Fellows program.

Click [here](#) to visit the website.

HIGHLIGHTS

[Poudre River Forum - "Cultivating Connections for a Healthy, Working River"](#)

February 5, 2016 | 9:00 am - 4:00 pm | The Ranch Events Complex | Loveland, CO

This annual celebration of the Poudre River convenes the wide diversity of those who care about the river to learn more about it and collaborate on the goal of a healthy, working river. The 2016 forum will emphasize water for agriculture. After a full day of presentations, panels, dialogue, and interactive booths, the forum will conclude with refreshments, including Odell brews, and bluegrass music from Blue Grama.

Click [here](#) for more information and to register.



36th Annual American Geophysical Union Hydrology Days

March 21-23, 2016 | Colorado State University | Fort Collins, CO

[Hydrology Days](#) has been held on the CSU campus since 1981 and brings together scientists, professionals, and students involved in basic and applied research on all aspects of water to share ideas, problems, and solutions. **Paid registration opportunities for students are available on a first come basis until Friday, March 4.** Registration includes attendance at all of the technical sessions, exhibits, keynote lunches, breaks, as well as a copy of the proceedings.

Please email [Emilie Abbott](#) with your name, student status (PhD, MA/MS, BA/BS), CSU department, phone, email, and mailing address to apply for a student registration.

Sustainable Water Interdisciplinary Minor (SWIM)

The purpose of this minor is to offer undergraduate students an opportunity to gain a deeper knowledge of the many dimensions of water management. Students will take 21 credits in core and elective courses. This minor is open to any major.

Click [here](#) for more information and to download the course checklist.

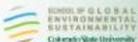


If there is magic on this planet, it is contained in water - Loren Eiseley

SUSTAINABLE WATER INTERDISCIPLINARY MINOR

CSU's Sustainable Water Interdisciplinary Minor (SWIM) offers undergraduate students, regardless of their major, an opportunity to gain a deeper knowledge of the many dimensions of water management. By taking advantage of the outstanding water expertise available at CSU, students can better prepare themselves for careers in water management or graduate study in a water-related area.

CSU WATER CENTER

in partnership with  SCHOOL OF GLOBAL ENVIRONMENTAL SUSTAINABILITY
Colorado State University

SWIM
21 credits required
minimum of 12 upper-division (300-400 level) courses

For further information, please visit www.watercenter.colostate.edu

LOCAL AND REGIONAL EVENTS

Small Acreage Stewardship Program

January 19 - March 15, 2016 | Larimer County Fairgrounds

This nine-week course will introduce the land management skills you need to be more productive and sustainable. Local experts will provide tips that will benefit your land, improve your soil function, and increase your yields.

Click [here](#) for more information.

Colorado Water Congress Annual Convention

January 27-29, 2016 | Hyatt Regency Denver Tech Center | Denver, CO

The Colorado Water Congress Annual Convention is the premier water industry event in the state, attracting 500+ attendees that convene for networking and collaboration on the important water issues of the day. CSU's Water Tables event is part of this convention and will take place on the evening of January 28.

Click [here](#) for more information about the convention.

Water Tables 2016

January 28, 2016 | 5:00-9:30 pm | Hyatt Regency Denver Tech Center | Denver, CO

A fundraising dinner for the Water Resources Archive, Water Tables features hosted tables for an evening of conversation on specified topics. With the theme of "The Historic One Hundred," Water Tables 2016 celebrates the Water Resources Archive's milestone achievement of receiving 100 collections. This event is held in conjunction with the Colorado Water Congress Annual Convention.

Click [here](#) for more information. Click [here](#) to register.

Wine to Fresh Water Fundraising Event

February 6, 2016 | 6:00 pm | Connects Workspace at the Armory | Golden, CO

This fundraiser supports water and sanitation projects in Nicaragua and Malawi. The event is hosted by the Rotary Club of Golden and Freshwater Project International.

Click [here](#) to register.

CFWE Spring 2016 Water Fluency - Northern Front Range

Application Deadline: February 12, 2016

Water Fluency is a professional development course that helps participants understand water and lead with confidence. The course consists of site visits, four half-day in-person classroom discussions, and online material. A limited number of partial scholarships are available.

Click [here](#) for more information.

25th Annual Governor's Forum on Colorado Agriculture

February 18, 2016 | Renaissance Hotel | Denver, CO

Governor John Hickenlooper and the Colorado Agricultural Leadership Program, in conjunction with the Colorado Department of Agriculture and Colorado State University are proud to present the 25th annual Governor's Forum on Colorado Agriculture. The forum will explore relevant industry issues and provide insight into potential outcomes and solutions to help ensure the future success of Colorado's agricultural industry.

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

Call for Proposals - 2016 American Fisheries Society Annual Meeting

Submission Deadline: January 31, 2016 | Meeting Dates: August 21-25, 2016

The Program Committee is now inviting proposals for Symposia that are of interest to AFS meeting attendees. This year's theme is "Fisheries Conservation and Management: Making Connections and Building Partnerships."

Click [here](#) for more information.

2016 Membrane Technology Conference and Exposition

February 1-5, 2016 | San Antonio, TX

Join AWWA and AMTA in 2016 to explore how the latest developments in membrane technology can enhance water reliability and quality. Each year the conference reveals new directions in water and wastewater treatment technologies, desalting and membrane bioreactor applications.

Click [here](#) for more information.

Call for Abstracts - Water Infrastructure Conference

Submission Deadline: February 4, 2016 | Conference Dates: October 30 - November 2, 2016

AWWA's newest conference is focused on addressing and protecting our asset and infrastructure challenges. With workshops and five session tracks, this four-day conference and exposition will address water infrastructure planning and reinvestment

strategies, critical infrastructure protection through comprehensive emergency preparedness efforts, and enhanced security measures.

Click [here](#) for more information.

Call for Abstracts - International Low Impact Development Conference

Submission Deadline: February 12, 2016 | Conference Dates: August 29-31, 2016

The conference will highlight the mainstreaming of Green Stormwater Infrastructure (GSI) and LID in municipal programming as well as new and existing work and research in the United States and Internationally.

Click [here](#) for more information.

The AWWA-WEF Utility Management Conference

February 24-27, 2016 | San Diego, CA

Over the past 27 years, members of AWWA and WEF have established The Utility Management Conference as one of the leading, most informative, and most prestigious management conferences available. Come prepared to share your experiences and learn from others in similar situations as we respond to the most pressing management issues of the day.

Click [here](#) for more information.

Call for Abstracts - Water Quality Technology Conference & Exposition

Submission Deadline: February 25, 2016 | Conference Dates: November 13-17, 2016

This established and highly regarded conference provides a practical forum for a wide range of water technology professionals to exchange the latest research and information.

Click [here](#) for more information.

Call for Proposals - International Trout Congress

Submission Deadline: March 1, 2016 | Congress Dates: October 2-6, 2016

This congress will look at trout from a variety of aspects; the socioeconomic contributions of trout world wide, the role of trout in education and how teachers use trout and their habitats to raise environmental awareness, the art and literature that surround the world of trout, and the science of trout.

Click [here](#) for more information.

Sustainable Water Management Conference

March 7-10, 2016 | Providence, RI

Presenting solutions for balancing the benefits of conservation with the costs, managing water resources, sustainable utilities and infrastructure, urban planning and design, energy efficiency, water conservation, stormwater and reuse.

Click [here](#) for more information.

Business of Water Summit 2016

March 30-31, 2016 | Phoenix, AZ

Please join Protect the Flows, Change the Course, and senior executives from leading companies, water & power utilities and dignitaries for the third Business of Water summit. Early bird rate expires January 15.

Click [here](#) for more information.

GRANTS AND FELLOWSHIPS

Center for Collaborative Conservation Fellowship Program

Application Deadline: January 27, 2016

There will be two types of fellowships this year: the Individual fellowship and the Team fellowship. Each of these has its own Request for Proposals. CCC welcomes applications from individual CSU graduate students, CSU faculty and research scientists, and non-CSU conservation practitioners, as well as teams made up of practitioners and CSU representatives.

Click [here](#) for more information.

2016-2017 SoGES Global Challenges Research Teams

Application Deadline: January 29, 2016

Funding support is intended to cultivate new interdisciplinary partnerships and provide seed funding for new, innovative sustainability research. Proposals should advance research in sustainability science through integration of environmental, societal, and economic knowledge in a team-based, creative approach to solve real-world problems.

Click [here](#) for more information.

Undergraduate Research Program - Urban Water

Application Deadline: February 5, 2016

The Urban Water Innovation Network (UWIN) will be hosting an undergraduate research program in summer 2016. Ten students will be given the opportunity to perform cutting edge, transdisciplinary research of immediate relevance to people in urban areas. Where possible, pairs of students, one in the social sciences and one in the natural sciences / engineering will be placed with a team of mentors in each of the six study regions of the Network: Front Range of Colorado, Mid-Atlantic, Tucson-Phoenix Sun corridor, South Florida, California, Pacific Northwest Cascadia.

Click [here](#) for more information.

NSF Research Experience for Undergraduates - Stream Restoration

Application Deadline: February 15, 2016

The Oklahoma Water Resources Center hosts an NSF-REU in Stillwater, Oklahoma on stream restoration/rehabilitation. The REU pays for student housing, meals, research supplies, travel to a future conference, and also provides a stipend during the 10-week summer program.

Click [here](#) for more information.

Bergen Summer Research School 2016: Water, Climate and Society

Application Deadline: March 1, 2016 | Program Dates: June 13-24, 2016

This program, hosted at the University of Bergen in Norway, is intended for PhD students and junior researchers. Seven parallel courses will span disciplines from the natural, health and social sciences to the humanities.

Click [here](#) for more information.

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS)

Application Deadline: March 22, 2016

The overarching goal of INFEWS is to catalyze the well-integrated interdisciplinary research efforts to transform scientific understanding of the FEW nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability.

Click [here](#) for more information.

NSF - Hydrologic Sciences

Proposals accepted anytime.

The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle. The Program supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components.

Click [here](#) for more information.

EMPLOYMENT OPPORTUNITIES

Student Jobs and Internships

The CSU Water Center maintains a job board of student positions located in Colorado. Many subject areas are featured through this service including: ecology, economics, engineering, fish and wildlife, natural resources, and the social and natural sciences.

Click [here](#) to explore the job board.

SCHOLARSHIPS

North American Weather Modification Council Scholarship

Application Deadline: February 22, 2016

Students interested in the field of weather modification and studying science or engineering at an accredited institution are eligible to apply for this scholarship.

Click [here](#) for more information.

Melville H. Cohee Student Leader Conservation Scholarship

Application Deadline: February 29, 2016

This scholarship honors student members of the Soil and Water Conservation Society who succeed as leaders in their studies, volunteerism, and work.

Click [here](#) for more information.

WEF Canham Graduate Studies Scholarship

Application Deadline: March 1, 2016

This scholarship provides \$25,000 for a post-baccalaureate student in the water environment field. The scholarship is for education related expenses such as room and board, tuition and books.

Click [here](#) for more information.

MISCELLANEOUS

[Marine Ecotourism Summer Study Abroad Course](#)

Application Deadline: February 15, 2016 (rolling admissions)

While living aboard a 57-foot Sailing Vessel you will explore key issues in the sustainable development of marine ecotourism in the Abaco Islands near Marsh Harbor, Bahamas. Learn about coral reef ecology and local Bahamian cultures and their interactions with the sea, nature conservation and tourism development.

Click [here](#) for more information.

[Try the U.S. Army Corps of Engineers' River Basin Balancer Game](#)

The River Basin Balancer Game offers insight into an inland waterway and a system of reservoirs which are operated with a goal for serving each of the benefits - flood control, navigation, hydropower, irrigation, water supply, recreation, fish and wildlife, and water quality - for which many USACE reservoirs were authorized and constructed.

Click [here](#) to play the game.

[Webinar Series: Anaerobic Digestion Systems](#)

Series begins February 10, 2016

Register for each of five free webinars where Washington State University researchers and their collaborators share their findings as they strive to quantify the climate, air, water, nutrient and economic impacts of integrating emerging, next-generation technologies within anaerobic digestion systems on U.S. dairies.

Click [here](#) for more information.