



## April 2021 SER-Rocky Mountain Chapter Member Newsletter

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### SER-RM Board Election Nominations!

The SER-Rocky Mountains chapter would like to announce our 2021 call for Board of Director and Committee Chair nominations. We are currently soliciting nominations for three open positions which include Finance, Secretary and Outreach Committee Chair. Please consider nominating yourself or a fellow member for these important positions which each have a 2 year term. We need to assemble a slate of candidates before Monday, April 26th and hold an election by email the last week of April. If you have questions about time commitments, job duties, etc., feel free to contact any of the [current SER-RM Board of Directors](#) for more info about duties and responsibilities.

Please send nominations to Megan Bowes (bowesm at bouldercolorado.gov). Ballots will be emailed the week of April 26th and voting will occur through May 9th. These are great opportunities—don't delay in announcing your candidacy!

*Many thanks to Garrett Stephens, Carla DeMasters and Michael Curran for their efforts in all of the above positions over the past few years!*

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# SER-RM Outreach May Workshop: Practical Tools and Environmental Sampling Designs for Ecological Restoration

May 4th - 6th, 2021 12 - 1 PM MST

**Note--registration is currently being enabled so check back shortly**

The Outreach Committee has lined up a panel of speakers to continue our wildfire restoration webinar series, following [Sarah Hart's 'Tree Regeneration Post-Wildfire'](#) and [Theresa Springer's 'Wildfire--After the Feds Leave'](#) webinars.

**May 4** – Noon – 1 PM (MST)

An evidenced based road map for restoration and reclamation monitoring  
Dr. Tim Robinson – Univ. of Wyoming Department of Statistics

**May 5** – Noon – 1 PM (MST)

Quasi-random spatially balanced sampling  
Dr. Blair Robertson – Univ. of Canterbury Department of Mathematics and Statistics

**May 6** – Noon – 1 PM (MST)

Vegetation Photo Monitoring  
Sam Cox – USDI Bureau of Land Management – WY State Office

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## SER-RM Grant Opportunities

SER-RM has funding opportunities for students and professionals; please reach out to [cersermembership@gmail.com](mailto:cersermembership@gmail.com) for more information.

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## Upcoming SER Webinars

April 28th, 2021--and Beyond

As part of our webinar series, SER hosts at least one

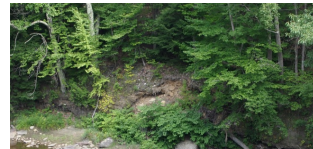
webinar each month to provide opportunities for members to engage with restoration experts from academia and the practice. Each [SER webinar](#) is pre-approved for 1 CEC under the [Certified Ecological Restoration Practitioner program](#) unless otherwise noted.



### **Invasive Japanese knotweed (*Reynoutria japonica* Houtt.) and related knotweeds as catalysts for streambank erosion**

**May 26th, 2021 8 - 9 AM MST**

Once established, knotweed can displace riparian plants, meaning that soil stability once provided by displaced roots is lost, carrying significant knock-on implications for watershed management. We propose that knotweed rhizomes both displace roots and the structure they provide to soil, and also amplify bank-erosion forces, especially during floods. Further, erosive forces create vegetative propagules, with larger flow events creating larger numbers of propagules and providing the vector for short- and long-distance downstream spread within the watershed. Induced erosion is therefore the main driver of knotweed invasions along waterways. While the continued spread of this invasive could have significant riparian flood resiliency consequences if left unchecked, mindful action to control these plants is likely to be beneficial financially, socially, and ecologically within any invaded watershed.



Speakers: Brian Colleran, CERP, PWS, MS- Natural Resource Management. His career has focused on the restoration and conservation of freshwater habitats, primarily through invasive species and riparian area management. Currently, he is a Principal with Ecological Land Management, and recently returned from Patagonia where he assisted with restoration projects in the Torres del Paine National Park as well as reporting on the southernmost knotweed stands in the world.

### **Ecological Restoration in the Context of Environmental Racism**

**June 9th, 2021 9 - 10 AM MST**

MORE INFORMATION ABOUT THIS WEBINAR COMING SOON.

Jacqueline Patterson is the Senior Director of the NAACP Environmental and Climate Justice Program. Since 2007 Patterson has served as coordinator & co-

founder of Women of Color United. Jacqui Patterson has worked as a researcher, program manager, coordinator, advocate and activist working on women's rights, violence against women, HIV&AIDS, racial justice, economic justice, emergency response, and environmental and climate justice. Patterson served as a Senior Women's Rights Policy Analyst for ActionAid, Assistant Vice-President of HIV/AIDS Programs for IMA World Health, Outreach Project Associate for the Center on Budget and Policy Priorities, Research Coordinator for Johns Hopkins University, and as a U.S. Peace Corps Volunteer in Jamaica, West Indies.

**Check back often as we are constantly adding new sessions at [Restoration Resource Center » Webinars!](#)** Recordings of past webinars can be found in our Webinar Library.

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## SER's Restoration Ecology Journal

***Check out some of our top picks from the latest issues of the society's journal!***

Innovative seed-enhancement technologies such seed pellets and seed coats are increasingly being used in restoration settings. To protect native seeds from herbicides that are often applied to treat invaded areas prior to seeding, herbicide protection pods (HPP) may be used. However, their benefits may be species specific. Check out details about how HPPs affect seedling emergence of Wyoming big sagebrush (*Artemisia tridentata*) and Sandberg bluegrass (*Poa secunda*) in this new article by [Baughman et al.](#)

Applied nucleation or the planting of vegetation patches may recreate natural ecosystem heterogeneity and improve restoration outcomes with fewer seedlings than more uniform planting methods. However, whether applied nucleation improves revegetation outcomes has been infrequently tested in herbaceous communities dominated by invasives. In this study [Holl et al.](#) find that applied nucleation may be an effective restoration strategy in invaded areas, particularly for species that spread vegetatively (i.e., via rhizomes).

The ongoing Covid-19 pandemic has been devastating on many levels and has shown us all how infectious diseases, many of which are transmitted from animals to humans, can upend many parts of life. However, this pandemic also provides impetus for considering and operationalizing ecological approaches to

protect and improve human health. In this article, [Reaser et al.](#) highlight how targeted, landscape based restoration interventions can be key tools for preventing land use-induced zoonotic spillover.

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## SER Virtual Conference on Ecological Restoration

June 21 - 24



The 9th World Conference on Ecological Restoration moves online. SER2021 will provide a high quality, lively, and interactive forum for learning and networking with members of the restoration community from around the world. An online conference offers new options for participation and engagement, and we're developing exciting activities to bring restoration into your home or office.

Learn more about the conference and how you can participate [here](#). Field Trip Fridays (May 7 - June 9) are one of the best ways to see restoration in action and one of the highlights of the SER 2021 world conference. This year, the virtual format means SER can offer even more field trips (more than 20!) - in two different time slots and from all over the world!

[Register Now!](#) Early bird rates are available through March 22nd. SER Members receive an additional discount on conference registration!

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## Colorado Weed Management Association 2021 Virtual Spring Training

Register today for CWMA's Virtual Spring Training to be held April 26-28, 2021! Spring Training is a great way to get your continuing education, network with peers in our industry and learn best practices in weed management.

Program Agenda can be found [here](#) and & Continuing Education Credits are available.

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## External Funding Opportunities

**Natural Resources Conservation Service (NRCS) Conservation Innovation Grant Proposals** are due April 20. This opportunity focuses on using innovative technology to promote greater reliance on natural biodiversity for pest management, soil health, water conservation, and improving fish and wildlife habitat.

The **Great Outdoors Colorado (GOCO) Non-Motorized Trail Grant Program** is seeking public comment on the grant applications for the 2021-2022 grant period. Proposed grants can be accessed and reviewed at their [website](#).

The **River Network and Bonneville Environmental Foundation** are offering the [Business for Water Stewardship Project Bank platform](#), where entities can share their projects with interested businesses looking to partner and support these projects.

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