



## December 2021 SER-Rocky Mountain Chapter Member Newsletter

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### Save the Date! Announcing the HAR- SERRM 2022 Conference

April 12th-14th, 2022. Colorado State University,  
Fort Collins



After our Covid-related delay of our 2021 conference, the High Altitude Revegetation Committee (HAR) and Society for Ecological Restoration Rocky Mountain Chapter (SERRM) are pleased to announce our **joint 2022 conference**. We will again host this scientific meeting at Colorado State University in Fort Collins, Colorado, and welcome all who work in the varied fields of habitat restoration or simply have a passion for restoring our natural resources. Registration details and conference logistics will soon follow!

Are you interested in serving on one of our conference committees? This meeting only happens because of the dedication of our volunteers. We can always use more help! Recruiting for the Vendors and Sponsorship, Logistics, and Student Engagement Committees. To volunteer, please send an email to [Jeremy Sueltenfuss](#), SER-RM Scientific Meeting Committee Chair, with an

indication of the committee or committees that you would like to serve on.

This conference is only possible due to the generous vendors and contributions from our dedicated sponsors. If you are interested in sponsoring the 2022 Conference, please contact [Jesse Dillon](#) for more information.

For general information, please contact at [har.serrm@gmail.com](mailto:har.serrm@gmail.com).

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## Upcoming SER Webinars

**December 8th, 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.



### Restore Skyline Tier – A Landscape-Scale Ecological Restoration Project in Tasmania



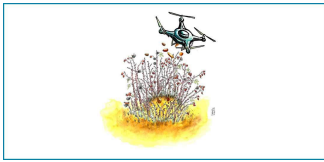
**December 8th, 7-8 PM EDT**

Restore Skyline Tier is a landscape scale ecological restoration project located near Scamander in north east Tasmania Australia and was awarded the best large scale ecological restoration project in Australasia at the SERA Conference in Darwin earlier in 2021. Around 700ha of native forest has been regenerated using assisted natural regeneration techniques including ecological burns after harvesting of poor quality mature Radiata Pine plantations. The project has produced numerous positive economic, social and ecological outcomes for a relatively remote rural community.

Speaker: **Todd Dudley**, President of North East Bioregional Network

**Precision restoration: A necessary approach to foster forest recovery in the 21st century**

January 26th, 10 AM EDT



Forest restoration programs are often based on the sowing or plantation of large amounts of propagules but with little care of the plants. As a result, high rates of mortality or damage to the plants (e.g. by herbivores) are common, translating into a loss of time and resources. We advocate that restoration in general, and forest restoration in particular, should consider a precision approach that maximizes its efficiency, trying to ensure that planted seedlings or sowed seeds will become adult trees with the appropriate landscape configuration to create functional and self-regulating forest ecosystems. Precision Forest Restoration should take advantage of ecological knowledge, technologies and methodologies from the landscape scale to the individual-plant scale, and from the more traditional, low-tech approaches to the latest high-tech ones to ensure the survival of the revegetated plants. Precision Forest Restoration may be more expensive at the level of individual plants, but will be more cost-effective in the long-term if it allows for the creation of resilient forests able to provide multiple ecosystem services.

Speaker: **Jorge Castro**, Professor of Ecology at the University of Granada (Spain)

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.

## The role of invasive species control and species order of arrival on restoration: insights from the Brazilian Atlantic Forest



March 9th, 10 AM EDT

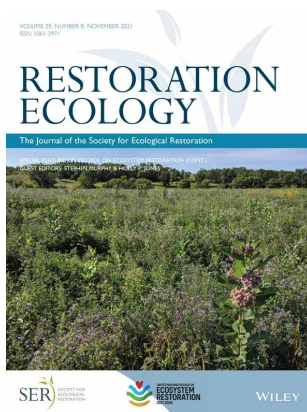
Manipulating plant order of arrival, a process that creates priority effects, may be an unexplored tool to hinder the establishment of invasive non-native plants in sites under restoration. Knowledge and experimental studies on priority effects in the neotropics are scarce. My talk will cover assembly rules and invasive species control in restoration. I will show the results of systematic

reviews where we synthesized information from papers that compared simultaneous and non-simultaneous planting or sowing and considered how these mechanisms might be manipulated to achieve restoration goals, and how invasive species are controlled in restoration. I will explore both topics with examples of research my working group has been doing in Southern Brazil.

Speaker: **Emanuela Weidlich**, Universidade Federal de Santa Catarina

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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!*

To fully capitalize on the United Nation's Decade on Ecosystem Restoration, **Edrisi and Abhilash 2021** argue that restoration researchers and practitioners need to adopt transdisciplinary approaches. In their article, they outline a framework consisting of three defined phases including a (1) problem identification phase, (2) problem analysis, and (3) integration and

application of transdisciplinary approaches for effective and lasting restoration efforts.

As we move into the UN Decade on Ecosystem Restoration using appropriate seeds in restoration projects will be imperative for successful seed-based restoration. However, getting the “right seed in the right place at the right time” involves many components including seed collection, evaluation and development, field establishment, production, certification and procurement, storage, and finally restoration. In their new RE article, **McCormick et al. 2021** outline how this process is implemented in the United States, describe associated challenges, and offer suggestions for improving the process in the future.

Many dams throughout the United States are being removed because the ecological costs of reduced landscape connectivity and altered hydrology of rivers outweigh economic benefits. **Guetz et al. 2021** demonstrate how geospatial analyses can be used to evaluate the suitability for removal of dams in the western US and to prioritize removal efforts where rivers, freshwater resources, and ecosystems will benefit most.

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## Boulder County Research Grant Programs

Boulder County Parks & Open Space, the City of Boulder Open Space and Mountain Parks Department and the City of Longmont all have funding available through their funded research programs for scientific inquiry on their public lands. Grants are awarded up to \$10,000. Preference is given to original proposals that address priority research topics identified by the respective department(s). However, all proposals will be considered based on their merits. For research that crosses agency boundaries, interagency grant proposals for joint funding will be considered.

**Boulder County Parks & Open Space** is accepting applications to their [small grant research program](#). Application deadline is **January 10th, 2022**.

The **Open Space and Mountain Parks Department** of the City of Boulder has funding available through its [funded research program](#). Proposal deadline is **Jan 7th, 2022**.

Likewise the City of Longmont's **Parks & Natural Resources** [funded research program](#) will also be accepting applications. Application deadline is **January 10th, 2022**

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## Colorado Parks and Wildlife Wetlands for Wildlife Program 2021-2022 REQUEST FOR APPLICATIONS (RFA)

Application deadline is Wednesday, January 26th,  
2022



Colorado Parks and Wildlife seeks applications for wetland and riparian restoration, enhancement, and creation projects to support its [Wetlands Program Strategic Plan](#). The Colorado Wetlands for Wildlife Program is a voluntary, collaborative, and incentive-based program to restore, enhance and create wetlands and riparian areas in Colorado. Funds are allocated annually to the program - and projects are recommended for funding by a Parks and Wildlife committee with final approval by the Director.

The intent of this funding is to support the two primary goals of the program:

1. Improve the distribution and abundance of ducks, and opportunities for public waterfowl hunting.

2. Improve the status of declining or at-risk species.

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## Soil Revolution

Wednesday 8th, 7 AM- 5 PM



Inviting Farmers and Ranchers of all scales and production systems.

Join us for the sixth annual [Soil Revolution Conference](#).

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## Colorado Weed Management Association 2021 Winter Training

December 8th and 9th, 8 AM - 5 PM

[Register](#) today for the 2021 CWMA Winter Training!

Please join us December 8 & 9 at the Hilton in beautiful Fort Collins, Colorado. The CWMA Winter Training is a great way to get your continuing education credits, network with peers in our industry and learn best practices in weed management.



[CLICK HERE](#) to view the program agenda.

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## Confluence at the Confluence Virtual Webinar: Harmful Algal Blooms and Water Quality

Tuesday, December 14th, 9 am - 12 pm



Have the Blues (and Greens) Got you Down?

Join us [virtually](#) to learn about harmful algal blooms through a series of presentations and stories. We will hear from the Division, EPA, Aurora, Thornton, Metro Water Recovery, and more. Training units (TUs) will be available for participants.

This is a FREE event! We look forward to seeing you!  
Click [here](#) or RSVP with [Beth](#).

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## Cross-Boundary Landscape Restoration Workshop

**All-lands forest and fire management in Arizona, Colorado, New Mexico,  
and surrounding states**

**March 7th - 10th, 2022**

The year 2022 marks the 20th anniversary of benchmark wildfires in the Southwest and Intermountain regions, most notably, the Rodeo-Chediski Fire in Arizona, the Hayman and Missionary Ridge fires in Colorado, and the Ponil Complex in New Mexico. The 2002 wildfires were unprecedented in size, intensity, duration and impact, but are now a near-annual occurrence. While western forests are disturbance-adapted, climate change and human influence is altering disturbance regimes. As partners, we need to develop and adopt rapidly evolving strategies to address drought and wildfire threats to ecosystems and the services they provide.

The Southwest Ecological Restoration Institutes, along with collaborative partners, are planning the second Cross-Boundary Landscape Restoration Workshop, March 7-10, 2022 in Fort Collins, CO. This multi-agency and stakeholder gathering builds on the March 2020 Cross-Boundary Workshop, held in Albuquerque, NM.

Draft agenda and registration info forthcoming, including Forest Service meetings management links. Sign up [here](#) for updates!

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## Sustaining Colorado Watersheds

## Conference

October 11th - 13th, 2022 at the Westin in Avon,  
Colorado.



Save the date and join the [Colorado Watershed Assembly](#) next October.

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