

CURRICULUM VITAE

NAME

Brown, Cynthia S

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Plant Sciences
Plant Sciences

PHONE

(970) 491-1949

EDUCATION

1998 Ph D, University of California Davis

1986 BS, Stanford University

1986 MS, Stanford University

OTHER POSITIONS

2009 - Present Associate Professor, Bioagricultural Sciences and Pest Management, Colorado State University.

2002 - 2009 Assistant Professor, Bioagricultural Sciences and Pest Management, Colorado State University.

1999 - 2002 Postdoctoral Researcher, University of Minnesota.

1998 - 1999 Postdoctoral Researcher, Department of Agronomy and Range Science, University of California, Davis.

1993 - 1999 Principal-Researcher, Department of Agronomy and Range Science, University of California, Davis.

1992 - 1993 Co-Investigator, Sustainable Agriculture Research and Education Program, University of California, Davis.

PUBLISHED WORKS

Refereed Journal Articles

Seabloom, E. W., Borer, E. T., Buckley, Y. M., Cleland, E. E., Davies, K. F., Firn, J., Harpole, W. S., Hautier, Y., Lind, E. M., MacDougall, A. S., others, Brown, C. S. (2015). Plant species' origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. *Nature communications*, 6.

West, A., Kumar, S., Wakie, T., Brown, C. S., Stohlgren, T. J., Laituri, M. J., Bromberg, J., others (2015). Using High-Resolution Future Climate Scenarios to Forecast *Bromus tectorum* Invasion in Rocky Mountain National Park. *PloS one*, 10(2), e0117893.

Brown, C. S. (2013). Fire promotes downy brome (*Bromus tectorum* L) seed dispersal. *Biological Invasions*, 15, 1113-1123.

- Brown, C. S. (2013). Managing Downy brome (*Bromus tectorum*) in the Central Rockies: Land manager perspectives. *Invasive Plant Science and Management*, 6, 521-535.
- Chambers, J. C., Bradley, B. A., Brown, C. S., Carla, D. D., Germino, M. J., Grace, J. B., Hardegree, S. P., Miller, R. F., Pyke, D. A. (in press). Resilience to stress and disturbance, and resistance to *Bromus tectorum* L. invasion in cold desert shrublands of North America. *Ecosystems*(DOI 10.1007_s10021-013-9725-5).
- Colautti, R. I., Parker, J. D., Cadotte, M. W., Petr, P., Brown, C. S., Sax, D. F., Richardson, D. M. (in press). The biological basis of invasiveness. *Neobiota*.
- (2012). Canada thistle (*Cirsium arvense*) response to clipping and seeding of competitive grasses. *American Journal of Plant Sciences*, 3, 1252-1259.
- (2012). Drivers of variation in ANPP differ across a broad precipitation gradient. *Ecology*.
- (2011). Abundance of introduced species at home predicts abundance away in temperate grasslands. *Ecology Letters (online 2010)*, 14, 274–281.
- (2011). Distributional changes and range predictions of downy brome in Rocky Mountain National Park. *Invasive Plant Science and Management*, 4, 173-182.
- (2011). Productivity is a poor predictor of plant species richness. *Science*, 333, 1750-1752.
- (2011). The influence of chilling requirements on the southern distribution limit of exotic Russian olive (*Elaeagnus angustifolia*) in western North America. *Biological Invasions In press*.
- (2010). Effects of belowground resource use complementarity on invasion of constructed grassland plant communities. *Biol Invasions*, 12, 1319-1334.
- (2010). Linking concepts in the ecology and evolution of invasive plants. *Evol Appl*, 3, 193- 202.
- (2010). The role of adaptive trans-generational plasticity in biological invasions of plants. *Evol Appl*, 3, 179-192.
- (2010). Tumbling: Using diffuse knapweed to examine an understudied dispersal mechanism. *Invasive Plant Science and Management*, 3, 301- 309.
- (2009). The Influence of Soil Inoculum and Nitrogen Availability on Restoration of High-Elevation Steppe Communities Invaded by *Bromus tectorum*. *Restor Ecol*, 17, 686-694.
- (2008). First-year responses of cheatgrass following *Tamarix* spp control and restoration-related disturbances. *Restor Ecol*, 16, 129-135.
- (2008). Native Plant Growth and Seedling Establishment in Soils Influenced by *Bromus tectorum*. *Rangeland Ecol Manag*, 61, 630-639.
- (2004). Are functional guilds more realistic management units than individual species for restoration? *Weed Technol*, 18, 1566-1571.

Non-Refereed Journal Articles

- West, A. M., Kumar, S., Wakie, T., Brown, C. S., Stohlgren, T. J., Laituri, M., Bromberg, J. Using high resolution future climate scenarios for predicting invasion in national parks. *Biological Invasions*.

Dudley, M. M., Jacobi, W. R., Brown, C. S. Sodium chloride and magnesium chloride effects on the germination of fifteen native grasses and forbs. *Journal of Water, Air, and Soil Pollution*.

La Pierre, K. J., Blumenthal, D. M., Brown, C. S., Klein, J. A., Smith, M. D. Drivers of variation in ANPP differ across a broad precipitation gradient. *Ecology*.

Non-Refereed Chapters in Books

Brown, C. S. (2013). Invasive Plants. *Fundamentals of Weed Science*. Fundamentals of Weed Science, Fourth Edition London: Academic Press.

Management handbook

Mealor, B. A., Mealor, R. D., Kelley, W. K., Bergman, D. L., Burnett, S. A., Decker, T. W., Fowers, B., Herget, M. E., Noseworthy, C. E., Richards, J. L., Brown, C. S., Beck, K. G., Fernandez-Gimenez, M. (2013). *Cheatgrass Management Handbook: Managing an Invasive Annual Grass in the Rocky Mountain Region*. Laramie, Wyoming: University of Wyoming.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

March 26, 2015, "Soil amendment application after road construction alters resource availability and can benefit native over non-native species", Science for Parks, Parks for Science, (Presenter) Ringer, L. N.

December 4, 2013, "The Rocky Mountain Cheatgrass Management Project", Colorado Weed Management Association Annual Meeting, Colorado Weed Management Association, (Presenter) Brown, C. S., Cheyenne Mountain Resort, Colorado Springs, CO.

August 7, 2013, "Landscape position influences resistance but not short-term resilience to *Bromus tectorum* invasion", Ecological Society of America Annual Meeting, Ecological Society of America, (Presenter) Brown, C. S., Minneapolis, MN.

August 7, 2013, "Using high-resolution future climate scenarios for predicting climate change effects on biological invasions in Rocky Mountain National Park", Ecological Society of America Annual Meeting,, Ecological Society of America, (Presenter) West, A. M., Minneapolis, MN, peer-reviewed/refereed.

August 5, 2013, "Bromus tectorum and its relatives: Using a database to examine patterns of invasiveness and invasion in brome grasses", Ecological Society of America Annual Meeting, Ecological Society of America, (Presenter) Atkinson, S. Y., Minneapolis, MN.

August 5, 2013, "Plant community responses to cheatgrass management practices in Rocky Mountain National Park", Ecological Society of America Annual Meeting, Ecological Society of America, (Presenter) Davis, C., Minneapolis, MN.

April 9, 2013, "Cheatgrass:What's the Deal?", IGNITE Biodiversity, School of Global Environmental Sustainability, (Presenter) Brown, C. S., Fort Collins, CO.

January 8, 2013, "A systems approach to managing cheatgrass (*Bromus tectorum*): Learning to identify and manage causes not symptoms", Biology of Weedy and Invasive Species and Controlling Weedy and Invasive Plants Project Directors meeting, USDA AFRI, (Presenter) Brown, C. S., Washington, DC.

2012, "A. Monty, C.S. Brown, D. B. Johnston.
2012. Fire promotes downy brome (*Bromus*

tectorum L.) seed dispersal. Neobiota 2012: Halting Biological Invasions in Europe: from Data to Decisions. 7th European Conference on Biological Invasions, Pontevedra, Spain September 12-14, 2012."

2012, "A. West, T. Wakie, S. Kumar, C. Brown, T. Stohlgren, J. Bromberg, M. Laituri. Predicted Distribution of Cheatgrass in Rocky Mountain National Park. Front Range Student Ecology Symposium, Fort Collins, CO, February 22, 2012."

2012, "A. West, T. Wakie, S. Kumar, C. Brown, T. Stohlgren, J. Bromberg. Potential Changes in the Distribution of Cheatgrass, *Bromus tectorum* under Future Climate. Multicultural Scholars and National Needs Fellows Programs Project Directors Biannual Meeting, Washington, DC, March 5-6, 2012."

2012, "A. West, T. Wakie, S. Kumar, C.S. Brown, T. Stohlgren, J. Bromberg. Potential Changes in the Distribution of Cheatgrass, *Bromus tectorum* under Future Climate. Ecological Society of America Annual Meeting, Portland, OR, August 5-10, 2012."

2012, "C. Davis, C.S. Brown, Scott Esser. Effects of selective imazapic application on *Bromus tectrum* and non-target species in Rocky Mountain National Park. High Altitude Revegetation Workshop, Fort Collins, CO, March 7-8, 2012 (30 minute presentation)."

2012, "C. Davis, C.S. Brown, Scott Esser. Effects of selective imazapic application on *Bromus tectrum* and non-target species in Rocky Mountain National Park. 2012 Rocky Mountain National Park Research Conference, Estes Park, CO, March 28-29, 2012 (20 minute presentation)."

2012, "C. S. Brown, E. Borer, E. Lind, E. Seabloom. Nutrient Network Observational Studies: How to Get a Big Bang for Your Research Buck. Long Term

Ecological Research Network All
Scientists Meeting, Estes Park, CO,
September 10-13, 2012."

2012, "M.M. Munis, C.S. Brown, R. Roath.
Imazapic herbicide: A process-based
tool for post-fire restoration of
Bromus tectorum infested plant
communities? High Altitude Revegetation
Workshop, Fort Collins, CO, March 7-8,
2012."

2012, "Plant invasions: Good plants gone bad?
Department of Biological Sciences,
University of Denver, Denver, CO, March
26, 2012. (1 hour oral presentation to
about 30 attendees)."

2012, "S. Atkinson, C.S. Brown. Cheatgrass
and Its Relatives: A Database of
Information about Brome Grasses. High
Altitude Revegetation Workshop, Fort
Collins, CO, March 7-8, 2012."

2011, "C.S. Brown, K.G. Beck,
M.B. Coughenour, M.E. Fernandez-
Gimenez, W.M. Frasier, W. Kelley, B.
Mealor, R. Mealor, M.D. Munis, L.R.
Roath, M. Verdone. Developing a
decision support tool for managing
Bromus tectorum. Colorado Weed
Management Network Meeting, Colorado
Division of Wildlife, Denver, CO, May
4, 2011 (20
minute presentation)."

2011, "C.S. Brown, K.G. Beck, M.B. Coughenour,
M.E. Fernandez-Gimenez, W.M. Frasier,
W. Kelley, B. Mealor, R. Mealor, M.D.
Munis, L.R. Roath, M. Verdone.
Developing a decision support tool for
managing Bromus tectorum. Colorado
Agricultural Experiment Station
Invasive Plant Research Meeting, CSU,
March 22, 2011 (15 minute presentation)."

2011, "C.S. Brown, K.G. Beck, M.B. Coughenour,
M.E. Fernandez-Gimenez, W.M. Frasier,
§W. Kelley, B. Mealor, R. Mealor, §M.D.
Munis, †L.R. Roath, §M. Verdone.
Understanding and modeling ecological
processes – A process-based approach to
managing Bromus tectorum plant

communities. USDA-NIFA-AFRI Weedy and Invasive Species Project Directors meeting, Washington, DC, July 19-20, 2011 (poster).".

2011, "C.S. Brown, M.J. Germino, J.C. Chambers. Exotic Bromus grasses in agroecosystems of the western US: REEnet synthesis of current and future invasions, impacts, and management. WERA077 Invasive Weeds in Wheat, Western Society of Weed Science annual meeting, Spokane, WA, March 7, 2011 (15 minute presentation).".

2011, "Good plants gone bad: Which will make the switch? Department of Forest, Nature and Landscape, Gembloux Agro Bio Tech, University of Liège, Gembloux, Belgium, November 17, 2011 (60 minute presentation to ~60 attendees).".

2011, "K.R. Guilbault, C.S. Brown, J. Friedman, P. Shafroth. Do chilling requirements limit the southward spread of Russian olive (*Elaeagnus angustifolia* L.) in western North America? Western Society of Weed Science annual meeting, Spokane, WA, March 8, 2011 (15 minute presentation).".

2011, "L. Dev with C.S. Brown, J. Klein, D. Blumenthal. Does the timing of seasonal water availability influence grassland sensitivity to grazing? Front Range Student Ecology Symposium, Fort Collins, CO, February 23, 2011 (15 minute presentation).", peer-reviewed/refereed.

2011, "L. Dev with C.S. Brown, J. Klein, D. Blumenthal. Global change and grazing in North American grasslands: A regional study with field experiments and modeling. Front Range Student Ecology Symposium, Fort Collins, CO, February 23, 2011 (poster).", peer-reviewed/refereed.

2011, "M. Munis, C.S. Brown, R. Roath, M. Coughenour, M. Pashke. The Rocky Mountain Cheatgrass Management Project. Wyoming Weed Management Association, Casper, WY, January 18 - 20, 2011 (30 minute presentation).".

2011, "Marques Munis, C.S. Brown, R. Roath, M. Coughenour, M. Pashke. Imazapic herbicide: A process-based tool for post-fire restoration of Bromus tectorum infested plant communities? Colorado Agricultural Experiment Station Invasive Plant Research Meeting, CSU, March 22, 2011 (15 minute presentation).".

2011, "Marques Munis, C.S. Brown, R. Roath, M. Coughenour, M. Pashke. Imazapic herbicide: A process-based tool for post-fire restoration of Bromus tectorum infested plant communities? Western Society of Weed Science annual meeting, Spokane, WA, March 8, 2011 (poster).", peer-reviewed/refereed.

2011, "Working toward sustainable solutions to pest plant problems. Café Botanique, Denver Botanic Garden, Denver, CO, March 3, 2011 (90 minute presentation to 30 attendees).".

2010, "Atkinson, S.Y. and C.S. Brown. 2010. Bromus Database and poster presentation at Bromus REENet introductory meeting, Salt Lake City, UT February 23 - 24, 2010.".

2010, "C.S. Brown, K.G. Beck, M. Coughenour, M. Fernandez-Gimenez, W.M. Frasier, W. Kelley, B. Meador, R. Meador, M. Munis, L.R. Roath, M. Verdone. Developing a decision support tool for managing Bromus tectorum. Society for Range Management and Weed Science Society of America, Denver, CO, February 7 - 11. (20 minute invited oral presentation to 50 - 100 attendees of the USDA-AFRI Project Directors session).".

2010, "C.S. Brown. Invasive plants and rangeland restoration in a changing world: taking aim at a moving target. Society for Range Management and Weed Science Society of America, Denver, CO, February 7 - 11. (20 minute invited oral presentation to over 200 attendees of the Rangeland Restoration in the Presence of Persistent Invasive Plants

symposium).".

2010, "J. Calvert, M. Munis, C.S. Brown, and R. Roath. Digital photo sampling of plant functional group cover and biomass on sagebrush steppe rangelands. Society for Range Management and Weed Science Society of America, Denver, CO, February 7 - 11. (10 minute oral presentation to about 6 attendees in the undergraduate science session)".

2010, "K.J. La Pierre, D.M. Blumenthal, C. S. Brown, J.A Klein, M.D Smith. Dominant plant species determine ecosystem response to multiple resource additions across a precipitation gradient. Ecological Society of America Annual Meeting, Pittsburgh, PA, August 1 - 6. (15 minute presentation)".

2010, "K.R. Guilbault, C.S. Brown, J. Friedman, P. Shafroth. Do germination requirements limit the southward spread of Russian olive (*Elaeagnus angustifolia* L.) in western North America? Ecological Society of America Annual Meeting, Pittsburgh, PA, August 1 - 6. (15 minute presentation)", peer-reviewed/refereed.

2010, "M. Munis, C.S. Brown, R. Roath, M. Coughenour, M. Paschke. Imazapic herbicide: a process-based tool for post-fire restoration of *Bromus tectorum* infested plant communities? Institute for Livestock and the Environment Annual Stakeholder Summit, Fort Collins, CO, December 2. (poster)", peer-reviewed/refereed.

2010, "M.D. Munis, C.S. Brown, R. Roath, M. Coughenour. Landscape scale constraints on conversion of a sagebrush steppe ecosystem to an annual grass dominated stable state in southeastern Wyoming. Ecological Society of America Annual Meeting, Pittsburgh, PA, August 1 - 6. (15 minute presentation)".

2010, "R. Colautti and C.S. Brown. Are invasive species different? Global Invasions Network Research Coordination Network biannual workshop, Smithsonian

Tropical Research Institute, Panama
 City, Panama, October 12, 2010 (30
 minute presentation).".

2010, "S. Atkinson and C.S. Brown. Why are
 some grasses so invasive? The
 development of a Bromus database.
 Global Invasions Network Research
 Coordination Network biannual workshop,
 Smithsonian Tropical Research
 Institute, Panama City, Panama, October
 12, 2010 (30 minute presentation).".

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(July 31, 2013 - August 3, 2013). Workshop, "Nutrient Network Project Workshop," Minneapolis, MN.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	ECOL571 - Advanced Topics in Ecology	3	16
2016	Spring	ECOL571 - Advanced Topics in Ecology	3	13
2016	Spring	ECOL571 - Advanced Topics in Ecology	3	0
2016	Spring	ECOL698 - Research	18	51
2016	Spring	ECOL699 - Thesis	18	13
2015	Fall	ECOL592 - Interdisciplinary Seminar in Ecology	3	14
2015	Fall	BSPM528 - Invasive Plants/Weeds: Ecosystems to Molecules	3	3
2015	Fall	ECOL698 - Research	18	48
2015	Fall	ECOL699 - Thesis	18	15
2015	Spring	ECOL571 - Advanced Topics in Ecology	3	20
2015	Spring	ECOL571 - Advanced Topics in Ecology	3	15
2015	Spring	ECOL571 - Advanced Topics in Ecology	3	12
2014	Fall	ECOL799 - Dissertation	18	23
2014	Fall	BSPM495 - Independent Study	3	2
2014	Fall	ECOL698 - Research	18	63
2014	Spring	ECOL571 - Advanced Topics in Ecology	3	35
2014	Spring	ECOL571 - Advanced Topics in Ecology	3	17
2014	Spring	ECOL571 - Advanced Topics in Ecology	3	11
2014	Spring	ECOL799 - Dissertation	18	29
2014	Spring	ECOL698 - Research	18	46
2014	Spring	BSPM492 - Seminar	3	1
2014	Spring	BSPM792 - Seminar	2	7
2013	Fall	BSPM792 - Bioagricultural Sciences and Pest Management Departmental Seminar	1	11
2013	Fall	ECOL799 - Dissertation	18	27
2013	Fall	ECOL592 - Interdisciplinary Seminar in Ecology	3	14
2013	Fall	ECOL698 - Research	18	55
2013	Fall	ECOL592 - Sagebrush Steppe Vulnerability to Climate Change	1	14
2013	Fall	BSPM792 - Seminar	2	11
2013	Spring	ECOL571 - Advanced Topics in Ecology	3	30
2013	Spring	ECOL571 - Advanced Topics in Ecology	3	14

2013	Spring	ECOL571 - Advanced Topics in Ecology	3	12
2013	Spring	ECOL799 - Dissertation	18	26
2013	Spring	BSPM528 - Invasive Plants/Weeds: Ecosystems to Molecules	3	11
2013	Spring	ECOL699 - Thesis	18	12
2012	Fall	ECOL698 - Research	18	55
2012	Fall	ECOL699 - Thesis	18	7
2012	Spring	ECOL698 - Research	18	58
2012	Spring	ECOL699 - Thesis	18	10
2011	Fall	ECOL698 - Research	18	45
2011	Fall	ECOL699 - Thesis	18	11
2011	Spring	GES470 - Applications of Environmental Sustainability	3	9
2011	Spring	BSPM596 - Group Study	3	6
2011	Spring	ECOL698 - Research	18	39
2011	Spring	ECOL699 - Thesis	18	10
2010	Fall	ECOL698 - Research	18	41
2010	Spring	ECOL698 - Research	18	27
2010	Spring	ECOL699 - Thesis	18	6
2009	Fall	BSPM308 - Ecology and Management of Weeds	4	12
2009	Fall	BSPM308 - Ecology and Management of Weeds	4	17
2009	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	12
2009	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	17
2009	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	12
2009	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	17
2009	Fall	ECOL698 - Research	18	42
2009	Fall	ECOL699 - Thesis	18	7
2009	Spring	BSPM528 - Invasive Plants/Weeds: Ecosystems to Molecules	3	4
2009	Spring	ECOL698 - Research	18	31
2008	Fall	BSPM308 - Ecology and Management of Weeds	4	15
2008	Fall	BSPM308 - Ecology and Management of Weeds	4	13
2008	Fall	BSPM308 - Ecology and Management of Weeds	4	2
2008	Fall	BSPM308 - Ecology and Management of Weeds	4	2
2008	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	7
2008	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	13
2008	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	5
2008	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	7
2008	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	9
2008	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	12
2008	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	4
2008	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	7
2008	Fall	ECOL698 - Research	18	34
2008	Spring	BSPM698 - Research	18	4
2008	Spring	ECOL698 - Research	18	27
2007	Fall	BSPM308 - Ecology and Management of Weeds	4	15
2007	Fall	BSPM308 - Ecology and Management of Weeds	4	7
2007	Fall	BSPM308 - Ecology and Management of Weeds	4	5

2007	Fall	BSPM308 - Ecology and Management of Weeds	4	1
2007	Fall	BSPM308 - Ecology and Management of Weeds-Laboratory	0	12
2007	Fall	BSPM308 - Ecology and Management of Weeds-Laboratory	0	5
2007	Fall	BSPM308 - Ecology and Management of Weeds-Laboratory	0	4
2007	Fall	BSPM308 - Ecology and Management of Weeds-Laboratory	0	7
2007	Fall	BSPM308 - Ecology and Management of Weeds-Recitation	0	12
2007	Fall	BSPM308 - Ecology and Management of Weeds-Recitation	0	7
2007	Fall	BSPM308 - Ecology and Management of Weeds-Recitation	0	4
2007	Fall	BSPM308 - Ecology and Management of Weeds-Recitation	0	5
2007	Fall	BSPM495 - Independent Study	3	3
2007	Fall	BSPM698 - Research	18	12
2007	Fall	BSPM784 - Supervised College Teaching	3	2

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2013	Fall	BSPM792 - Fundamentals of Bioagricultural Sciences and Pest Management	1	Face to Face
2013	Spring	NR478 - Restoration Ecology	1	Face to Face
2013	Spring	NR678 - Restoration Ecology	1	Face to Face

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Workshop

Cheatgrass Management Workshop and Field Tour, Rocky Mountain Cheatgrass Management Project. Pinedale, WY. Total number of participants: 23. Percent Responsible: 20%. 2012.

Rocky Mountain Cheatgrass Management Project, Rocky Mountain Cheatgrass Management Project. Meekere, CO. Percent Responsible: 80%. 2012.

Rocky Mountain Cheatgrass Management Project, Rocky Mountain Cheatgrass Management Project. Douglas, WY. Total number of participants: 52. Percent Responsible: 20%. 2012.

COMMITTEES

(2012).

(2012).

(2011).

(2011).

(2011).

(2011).

Graduate Degree Program in Ecology Executive Committee, (January 2013 - Present).

(2012).

(2012).

(2011).

(2011).

(2011).

(2011).

(2012).

(2012).

(2011).

(2011).

(2011).

(2011).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Colorado Society for Range Management.

Ecological Society of America.

Society for Ecological Restoration.

Society for Range Management.

Weed Science Society of America.

Western Society of Weed Science.

High Altitude Revegetation Committee. (2009 - Present).

American Association for the Advancement of Science. (2008 - Present).

Center for Invasive Plant Management Scientific Advisory Council. (2004 - Present).

Shortgrass Steppe Long Term Ecological Research Site National Science Foundation Renewal Proposal. (2009 - 2013).

California Invasive Plant Council. (2012 - 2011).

California Native Grass Association. (2012 - 2011).

National Ecological Observatory Network, Domain Science and Education Coordinating Committee for Domain 10. (2009 - 2010).

Member, Colorado Society for Range Management.

Member, Ecological Society of America.

Member, Society for Ecological Restoration.

Member, Society for Range Management.

Member, Weed Science Society of America.

Officer, Treasurer, High Altitude Revegetation Committee. (April 2014 - Present).

Committee Member, School of Global Environmental Sustainability Biodiversity Working Group. (August 2013 - Present).

Member, School of Global Environmental Sustainability Curriculum Committee. (January 2013 - Present).

Officer, Secretary, High Altitude Revegetation Committee. (April 2012 - Present).

Reviewer, Ad Hoc Reviewer, Applied Vegetation Science. (2012 - Present).

Reviewer, Ad Hoc Reviewer, Invasive Plant Science and Management. (2012 - Present).

Nutrient Network, Minneapolis, MN. (2012 - Present).

USDA AFRI, Washington, DC. (2012 - Present).

Biological Invasions. (2011 - Present).

Editor, Associate Editor, Biological Invasions Journal. (2011 - Present).

Nutrient Network, Minneapolis, MN. (2011 - Present).

Rocky Mountain Cheatgrass Management Project, Fort Collins, CO. (2011 - Present).

Member, Shortgrass Steppe Research and Interpretation Center Users Committee. (2011 - Present).

USGS Powell Center Working Group, July 28 – August 1, 2011, Fort Collins, CO. (2011 - Present).

Western Society of Weed Science, Spokane, WA. (2011 - Present).

AFRI Bromus REEnet, Salt Lake City, UT. (2010 - Present).

Biologia. (2010 - Present).

Biological Invasions. (2010 - Present).

Bromus REEnet, Salt Lake City, UT. (2010 - Present).

Ecological Society of America, Pittsburgh, PA. (2010 - Present).

Ecologically Based Invasive Plant Management, Boise, ID. (2010 - Present).

Global Invasions Network Research Coordination Network, Panama City, ZZ. (2010 - Present).

Reviewer, Ad Hoc Reviewer, National Science Foundation Division of Environmental Biology. (2010 - Present).

Rocky Mountain Cheatgrass Management Project, WY. (2010 - Present).

Society for Range Management, Idaho Falls, ID. (2010 - Present).

Society for Range Management and Weed Science Society of America, Denver, CO. (2010 - Present).

Member, Specialty Crops Grower Research and Education Grants. (2010 - Present).

Student oral & poster presentation competition, Front Range Student Ecology Symposium, CSU. (2010 - Present).

Reviewer, Ad Hoc Reviewer, USDA National Institute of Food and Agriculture the Regional CAP Climate Change planning grants. (2010 - Present).

Member, High Altitude Revegetation Committee. (2009 - Present).

Member, High Altitude Revegetation Committee. (2009 - Present).

Committee Member, Peace Corps Masters International Program and Student Advisory Committee. (2009 - Present).

Committee Member, Peace Corps Masters International Program and Student Advisory Committee. (2009 - Present).

Member, Peace Corps Masters International Program and Student Advisory Committee. (2009 - Present).

Member, American Association for the Advancement of Science. (2008 - Present).

Member, Center for Invasive Plant Management Scientific Advisory Council. (2004 - Present).

Member, Western Society of Weed Science. (2002 - Present).

Officer, President/Elect/Past, Ecological Society of America Rangeland Ecology Section. (August 2012 - August 2014).

Officer, Secretary, High Altitude Revegetation Committee. (April 2012 - April 2014).

Student poster competition, Western Society for Weed Science Annual Meeting, Reno, NV, March 12-16. (2012).

Member, California Invasive Plant Council. (2012 - 2011).

Member, California Native Grass Association. (2012 - 2011).

Committee Chair, Ecological Society of America Rangeland Ecology. (2011 - 2012).

Member, Center for Invasive Plant Management Scientific Advisory Council. (2004 - 2012).

Member, Graduate Degree Program in Ecology Executive Committee. (2010 - 2011).

Committee Chair, BSPM Education Committee. (2009 - 2011).

Member, School of Global Environmental Sustainability Curriculum Committee. (2008 - 2011).

Member, National Ecological Observatory Network, Domain Science and Education Coordinating Committee for Domain 10. (2009 - 2010).

Member, Shortgrass Steppe Long Term Ecological Research Site National Science Foundation Renewal Proposal. (2009 - 2010).
