Vegetation Resilience, the Role of the Perennial Herbaceous Understory, and Intact Sagebrush

Winnemucca, NV

24-25 May 2011

The Great Basin Science Delivery Project

A Member of the JFSP Knowledge Exchange Consortia

Assist Great Basin land managers in identifying fire and resource management technical needs

Synthesize information and develop tools to meet these needs

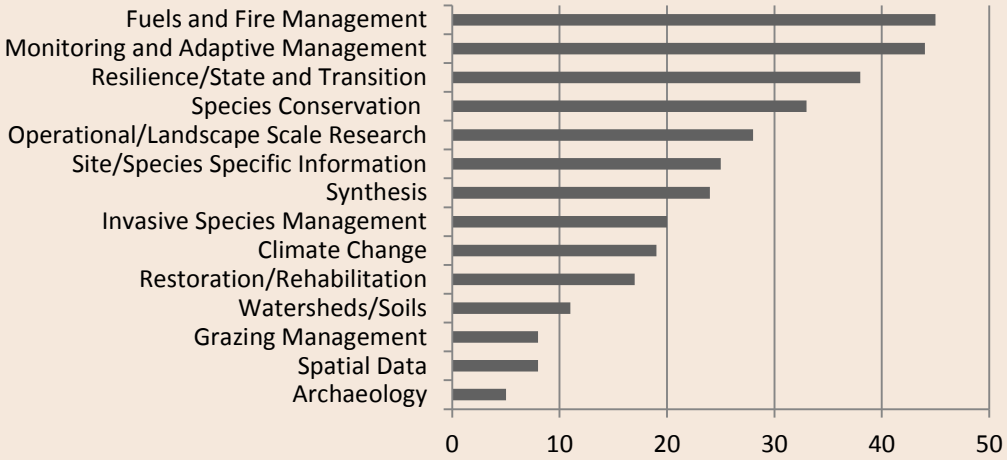
Provide these tools through venues preferred by field specialists, including developing direct connections with research scientists

Eugénie (Oo zhay nee) MontBlanc, Coordinator

26 April 2011

Project Background:

- Needs assessments examined technical needs and preferred modes of delivery
  - Tech needs: fuels and fire management, monitoring, resilience, species conservation
  - Delivery modes: capacity to contact experts, web-based clearinghouse, cadres of managers and researchers, technical guides
- This information was used to develop a model for science delivery based on participatory assessment, monitoring, and evaluation

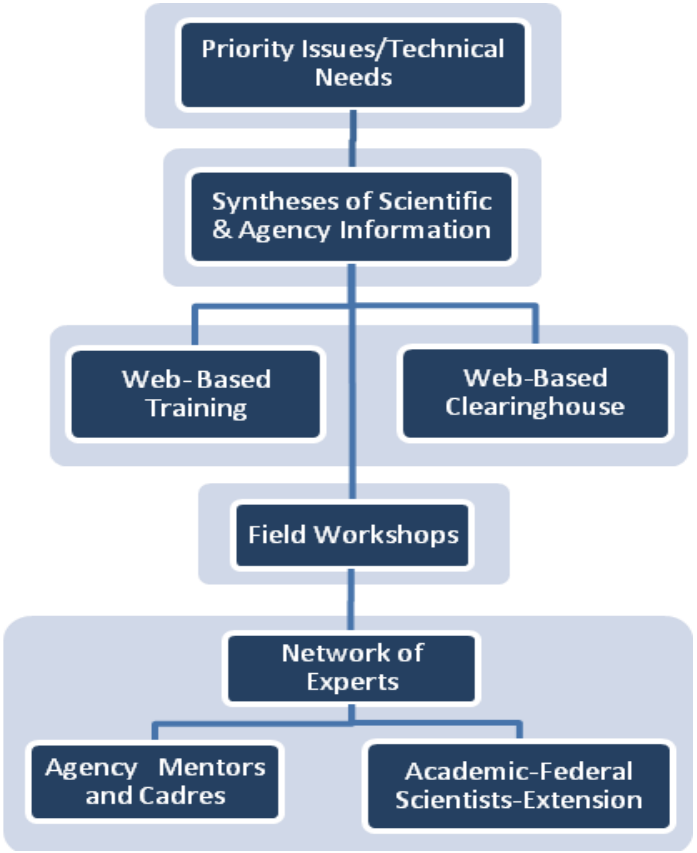


Technical Needs

Delivery Modes

Model for Science Delivery:

1) Ongoing identification of needs
2) Syntheses of scientific and agency information
3) Web-based training
4) Web-based clearinghouse
5) Field workshops
6) Networks of experts
7) Program effectiveness assessments



News You Can use

Fire as a Restoration Tool: A Decision Framework for Predicting the Control or Enhancement of Plants Using Fire
May 2010

Fire Ecology and Fuels Management Abstracts
Winter 2011

Native Plant Materials for Great Basin Restoration
March 2011

More News...

Syntheses

Ecology and Conservation of Greater Sage-Grouse: A Landscape Species and Its Habitats

Cumulative watershed effects of fuel management in the western United States

Ecological Effects of Prescribed Fire Season: A Literature Review and Synthesis for Managers

More Syntheses...

Lessons from Case Studies

We are still in the process of developing this section. In the meantime, please check out project "Findings" on the Joint Fire Science page by clicking here.

Online Courses

Fuels Inventory and Management (FOR 451)

GIS Applications in Fire Management (REM 407)

Free online courses for fire, fuels, and vegetation management.

More Courses...

Science Delivery Blog

Create a Blog entry

Establishment of Native Forbs in a Wildland Setting

Here's a link to the proceedings from the February 23rd and 24th, 2011 Great Basin Native Plant Selection and Increase Project Annual meeting in Salt Lake City, UT. Check-out Alison Whittaker's paper on increasing native forbs in sagebrush steppe sites:

http://www.fs.fed.us/rm/boise/research/shrub/GBNPSIP/GBNPSIPpresentations2011.shtml

3/10/2011 12:00:00 AM

I have to admit I'm excited about the possibilities for this blog! Relevant and timely stuff coming through the queue.
Sarah 3/10/2011 12:00:00 AM

Post-Mowing Understory Response

Sarah – We noted post release of Hespirostipa comota and Achnatherum hymenoids as well as annual forbs; Collinsia parviflora, Gayophytum diffusum , Nemacladus rubescens, and Nicotiana attenuata in fall mowing treatments made in a ARTRVA/PUTR site in the Mono Basin, at an elevation of 6,500′ within a 12-14″ precip. zone. What needs to be studied more are the changes in over-story structural attributes and understory composition following repeated mowing treatments. Also we noted that where the mower had multiple passes in one zone of the treatment area due to topographical issues – BRTF was evident the following spring. A

More Science Delivery Blog...

Upcoming Events

Vegetation Resilience, the Role of the Perennial Herbaceous Understory, and Intact Sagebrush
24-25 May 2011, Winnemucca, NV,

Interpreting and Measuring Indicators of Rangeland Health
21-24 June 2011, Redmond, OR,

Funding Opportunities

Owyhee Canyonlands Wilderness Education and Outreach

BLM NV Elko District Office Community Fire Assistance Program

Native Plant Propagation of Snake River Plain Forb Species

More Funding Opportunities...

Webinar Information

Date	Presenter(s) Name	Webinar Title	# Registered	# Attended (that we know of)	# Viewed GoTo Recording	# Visitors to Sci Del Recording
22-Nov-10	Matt Germino and Jason Williams	Post-fire wind and water erosion in the Great Basin: results and management implications	94	64	9	74
24-Jan-11	Rick Miller	Effects of fire and mechanical treatments on plants and wildlife in western juniper and pinyon-juniper woodlands	115	108	35	79
24-Feb-11	Steve Bunting	Changes in fuels across the western juniper/pinyon-juniper woodland successional gradient and implications for effective use of fire treatments	81	46	12	61
21-Mar-11	Steve Knick	Conservation issues related to sage grouse: approaches for prioritizing management	105	68	x	50
20-Apr-11	Jeanne Chambers	Understanding resistance to invasion and resilience to disturbance – importance for restoring and managing Great Basin rangelands	88	60	7	

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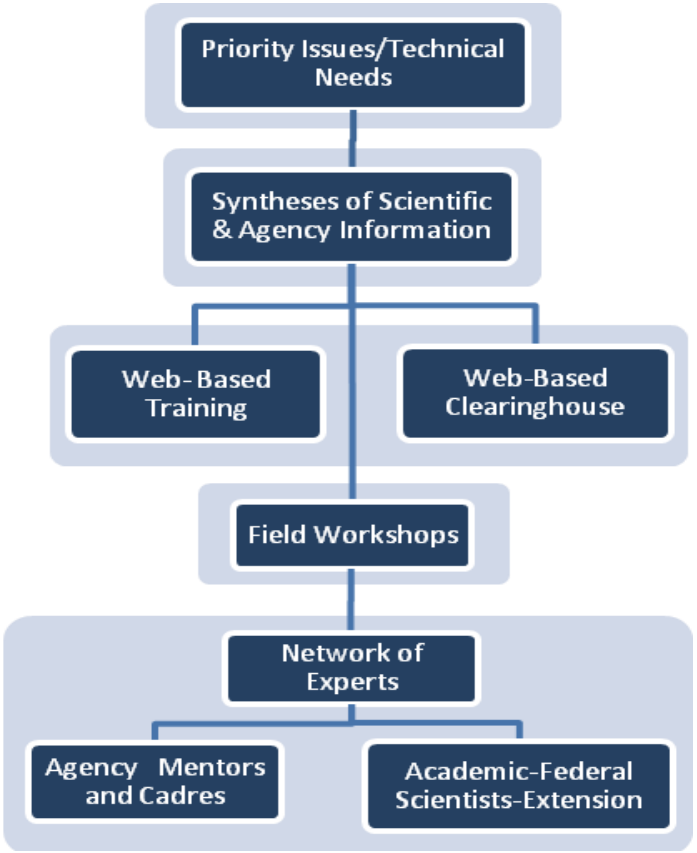

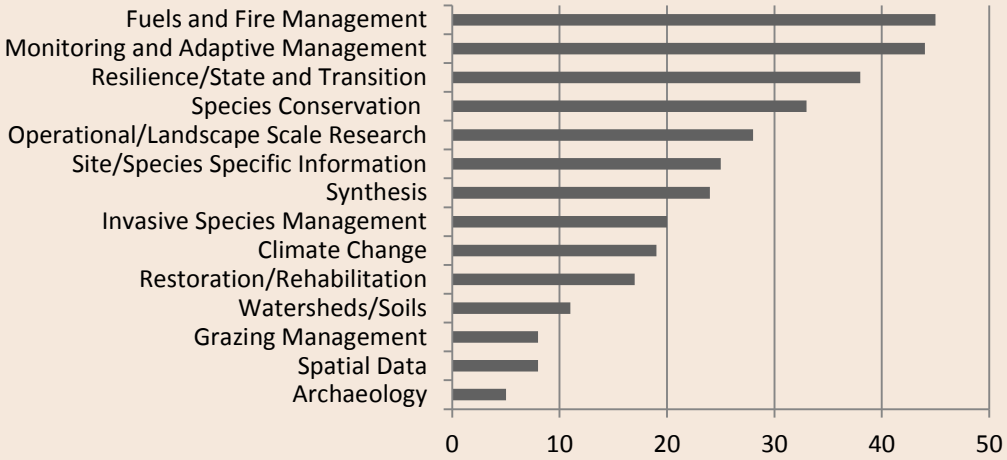

Technical Needs

Delivery Modes

Thank you!

Please contact us with any questions:

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http://greatbasin.wr.usgs.gov/gbrmp/ScienceDelivery.aspx

GREAT BASIN RESEARCH & MANAGEMENT PARTNERSHIP

Sagebrush Steppe SageSTEP Treatment Evaluation Project

EBIPM

UtahState University

USGS science for a changing world

OSU Oregon State

University of Idaho

University of Nevada, Reno

Great Basin Science Delivery Project

NATIONAL SYSTEM OF PUBLIC LANDS

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Joint Fire Science Program