



MANAGING FOR RESILIENCY IN THE SAN JUAN MOUNTAINS

October 7-9, 2010

Silverton, CO

A CALL FOR POSTER ABSTRACTS

Deadline: September 21, 2010

The Mountain Studies Institute and San Juan Public Lands Center are pleased to offer this Call for Poster Abstracts for the 2010 Climate Conference: ***Managing for Resiliency in the San Juan Mountains: Adaptation and Planning for Climate Change***, to take place October 7-9 in Silverton, Colorado. This exciting, interactive conference is the next phase of a grassroots stakeholder- and scientist- driven effort to: (1) assess existing and potential threats caused by climate change, and (2) develop strategies to plan for, adapt to, and reduce the effects of climate change on ecosystems and society. The 2010 Climate Conference program will also include seminars, workshops, and field trips with themes including our natural resources and ecosystem health and adaptation frameworks and models.

The Conference will Feature:

- 5 symposium sessions with multiple keynote presentations
- Subject categories for workshop & field site sessions
- Poster presentations
- Pre-conference address, panel discussion, & Montanya Distillers reception

This is an open science poster session, however, we encourage abstracts focusing on research and topics relating to either (1) regional climate change adaptation in the San Juan Mountains, (2) general research relating to the San Juan Mountains region, or (3) general research relating to climate change in mountain areas. Examples of climate-based research topics include: carbon, water, forest ecosystem health, models & frameworks, precipitation, and community challenges and opportunities. All submitted abstracts will be reviewed by the Mountain Studies Conference Committee. We encourage submitted abstracts based on advances in original research and innovations in practice.

The Feature Topic Areas Identified for the Conference Include:

- Managing for Adaptation-
Framing the new paradigm of
land management
- Climate Scenario Planning
- Climate Models
- Water Management
- Temperature Changes
- Precipitation & Snowpack
- Wind & Dust
- Forest Health
- Carbon Assessment
- Environmental Impacts of
Climate Change

Please review the enclosed instructions. The deadline for all submissions is **September 21, 2010**. We must adhere strictly to this date. If you have any questions regarding your submission, contact our office (970.387.5161). Any inquiries will be directed to an organizing committee member as appropriate.

We look forward to receiving your abstract and hope that you will be able to participate in the 2010 Climate Conference: Managing for Resiliency in the San Juan Mountains.

Sincerely,

Anne Izard
Conference Coordinator
Mountain Studies Institute
970.387.5161
anneizard@gmail.com

ABSTRACT PREPERATION INSTRUCTIONS

1. **Title:** The title should reflect the important aspects of the presentation as concisely as possible, in no more than 100 characters and spaces.
2. **Byline:** Author and co-authors names, with the presenting author's name in bold face. The full address (including email) of the author should follow the author's names.
3. **Abstract:** The one-paragraph body of the abstract should start on the next line and should state the hypothesis, intent, or purpose of the research, the theoretical or experimental plan used, key findings (without experimental details or data), and major conclusions. Please do not cite references, figures, or tables. Please do not state the obvious, such as "results/data will be presented" or "implications will be discussed."
4. **Abbreviations and Symbols:** Do not use abbreviations in the title or abstract, with the exception of abbreviations that are standard for international usage (e.g., HPLC, ATP). The metric system is standard, and scientific units should be used.
5. **Additional Information:** You may attach additional information, such as a description of your research and pertinent data, including statistics, graphs, and charts to assist the abstract reviewers in evaluating the abstract. In some cases, additional information may be requested. Additional information serves the sole purpose of facilitating the review process and will not be published in the Technical Abstracts section. Funding sources should be acknowledged.

SAMPLE ABSTRACT

RESPONSES OF HIGH-ELEVATION SIERRAN AND GREAT BASIN PINES TO LATE HOLOCENE DECADAL- AND CENTURY-SCALE CLIMATE VARIABILITY

MILLAR, CONSTANCE I. (1), WESTFALL, ROBERT D. (1), DELANY, DIANE L. (1), KING, JOHN C. (2), AND ALDEN, HARRY (3)

(1) USDA Forest Service, PSW Research Station, Albany, CA 94701, (2) Lone Pine Research, Bozeman, MT 59715, (3) The Smithsonian Institution, Suitland, MD 20746

We present results from a series of ongoing studies of high-elevation pine ecosystems in the eastern Sierra Nevada and western Great Basin ranges that demonstrate forest response to past climate changes at decadal- and century scales. Using standard tree-ring and ecological analysis methods, we document 20th century growth responses in krummholz *Pinus albicaulis* at treeline and invasion of meadows and formerly persistent snowfields by *P. albicaulis*, *P. contorta*, and *P. monticola* that correlate with climate. Responses range from progressive trends throughout the century to episodic and reversible responses that appear triggered by threshold conditions. These responses correlate complexly with decadal trends in minimum temperature, PDO indices, and precipitation. Century- to millennial-scale growth variability of *P. flexilis* forests over the past 3500 years correlates with major temperature and precipitation patterns derived from various proxies. Repeating extirpation and recolonization events at the watershed scale in *P. flexilis* correlate with neoglacial, medieval, little ice age, and 20th century periods, with periods of extirpation during extended droughts. Implications of climate variability to vegetation dynamics have not been integrated into conservation analysis and planning, and as a result, misdiagnoses of ecological condition and misapplication of management treatments have occurred.

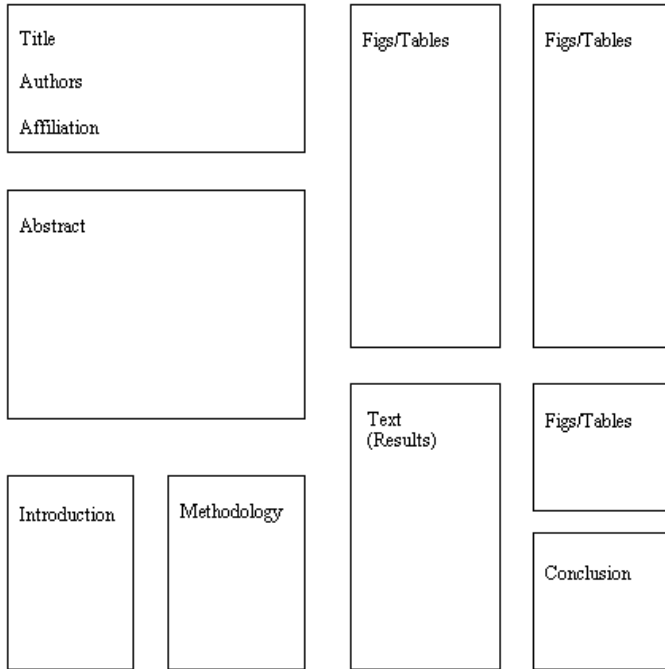
FORMAT FOR SUBMISSION

- Electronic submission to: anneizard@gmail.com
- MS word document
- Word count limit ~300
- Arial script
- Size 12

POSTER PRESENTATION

Posters will be displayed for a minimum of 1 afternoon based on the number of submissions. The author is encouraged to be present during the poster session to answer questions related to the work. Details will be provided in the Guidelines for Poster Presentations once the abstracts have been selected. The author is solely responsible for the setting up and removing of poster; arrangements may be made with Mountain Studies Institute if the author is unable to attend the poster session. Shipping costs are the responsibility of the author.

The poster should contain the following information: abstract, title and name(s) of the author(s), introduction, hypothesis, conclusion, tables, graphs, or diagrams that concisely describe the results. Please refer to the sample layout below.



Size: 50" wide x 36" high

Further guidelines for preparation of presentations will be sent with the notification that your abstract has been accepted.