In a Time of Change: Bridging Science, the Arts and Society
The data may change our minds, but we need poetry to change our hearts

- Robin Wall Kimmerer

from Interview with a Watershed
Our aims are to catalyze thought and creativity; connect scientific concepts with human ideas, actions, the subconscious, and emotions; and foster new social-ecological dialogue.
Ecological Reflections Network

Originated in LTER program

Growing number of sites

Expanding to include others
• Organization of Biological Field Station sites
• US Forest Service experimental forests
• Denali National Park

➢ Foster collaborations between place-based ecosystem science, arts and humanities

www.ecologicalreflections.com
Approach

1. Take artists into the field
2. Promote dialogue between artists and scientists
3. Produce original art work
4. Present artistic work to the public
In a Time of Change

2008
Friday, March 21
7:30 p.m.
Pioneer Park Auditorium
Admission Free
Reception following in the Bear Gallery

Readings by
John Haines
Margaret Chisholm
Carolyn Kremer
John Marqeu
Mary Shields
Berl Yareauk

Modern dance by
Deliquescence Designs
New York City
Oklahoma City
Barbara

Music by
Susan Jones

Play by
Ann Henlsey

Scientific Perspectives
Terry Chapin
Rafe Halland
Thomas Hollingsworth
Roger Rimer

In a Time of Change: Artists and Scientists

Performance
New Works by
PAVAA INUPIAQ DANCERS • SUSAN GRACE
THEATRE UAF PERFORMANCE LAB • MAKING WAVES
CAROLYN KREMER • DELIQUESCENT DESIGNS DANCE
SCIENTISTS TERRY CHAPIN, TERESA HOLLINGSWORTH
AND MARY BETH LEIGH
STEPHAN GOLUK ARTISTIC DIRECTOR

FRI. SEPT. 10 AND SAT. SEPT. 11, 2010
7:30 PM • PIONEER PARK THEATER
FREE ADMISSION • RECEPTION FOLLOWING IN THE BEAR GALLERY

Art Exhibit
New Works by 24 ALASKAN ARTISTS • KARIN FRANZEN CURATOR

SEPT. 3 - 25, 2010 TUES-SAT, NOON-6 PM
FIRST FRIDAY RECEPTION SEPT. 3, 5-7 PM
BEAR GALLERY
FREE ADMISSION

2008, ~350 attendees
2010, ~1000 attendees
Deliquescent Designs
NYC International Fringe Festival 2010

Mary Beth Leigh, Stephanie Dixon, Karen Voyles, Tamora Petitt
ITOC: Envisioning the Future – Exhibit, Bear Gallery, Sept. 2010
Upcoming projects – Ecological Reflections

• LTER Ecological Reflections Art exhibit tour
    • Coincides with LTER Symposium
    • BNZ, NTL, HFR
  – ESA, Portland (August 2012)
  – Portland International Airport (Jan-June 2013)
Ecological Reflections

- Increased web presence and coordination
- www.ecologicalreflections.com
- “How-to” presentations and workshops
  - ESA Portland (Aug 2012)
  - LTER All Scientists Meeting (Sept 2012)
Current ITOC project

*In a Time of Change: The Art of Fire*

- Partnership with JFSP, Alaska Fire Science Consortium, BNZ, Fairbanks Arts Association
- Visual arts
- Exhibit Aug 2012, Bear Gallery
- Tour to Alaska Pacific University, Anchorage
Project Background:

“…we increasingly see that fire is very much a social and cultural matter.”

“…successful fire management lies not only in sound decision making and effective operations, but also in successfully engaging and communicating with Alaskan Residents.”

Quotes from JFSP and Art of Fire Proposal
The Art of Fire

Goals:
• Engage artists with fire managers & scientists
• Promote public understanding & awareness

Primary Components:
1. Professional Art Exhibit
2. Community Fire Art Show
3. Graphic Arts Competition
ITOCC: Art of Fire
Exhibit August 2012 – Bear Gallery

- 9 Artists Selected
- Painting, Drawing, Sculpture, Photography, Fiber & Mixed Media

By Phil Marshall
By Jessie Hedden
Fire Simulation at Chena Lakes
Fire Simulation at Chena Lakes

Photo by Amanda Ellis
Fire Simulation at Chena Lakes
Fire Simulation at Chena Lakes

Photo by Amanda Ellis
Fire Simulation at Chena Lakes
Denali National Park
Denali National Park
Denali National Park
Denali National Park

Photo by Sean Proctor, NPS
Denali National Park

Photo by Sean Proctor, NPS
Community Fire Art Show

- August 2012
- Woodway & Morris Thompson Cultural Center
- Show off your talent! Visual Arts
- Interested?? Contact Jennifer Northway
- Submission details coming this winter
“...I spent a happy sunny day learning about the myriad of ecological factors—wildland fire being just one of them—that have an impact on the precious boreal forest...”

-Erin Hatter
ITOC: The Art of Fire

Science/Fire Management participants:
- Doug Stockdale, BLM
- Maggie Rogers, DOF
- Morgan Warthin, NPS
- Jennifer Barnes, NPS
- Charlie Reynar, NPS
- Tim Rains, NSP
- Sean Proctor, NPS
- Jamie Hollingsworth, UAF
- Roger Ruess, UAF
- Glenn Juday, UAF
In a Time of Change: Trophic Cascades

– Partnership with Denali National Park & Preserve, Murie Science and Learning Center, BNZ LTER, Fairbanks Arts Association
– Multimedia exhibit
– Call for artist applications on BNZ website!
  • Deadline March 15

Artists will be expected to generate original, creative works on the theme of predator / prey interactions and discover new ways of expressing, demonstrating or representing some of the basic concepts that underlie complex webs of ecological interdependence among plants, animals (including humans), and habitats.
Other ITOC activities 2011

- Last Frontier Theatre Conference - Valdez, AK (June 2011)
  - Workshop for playwrights and actors by Golux and Leigh
- 2011 Alaska Fire Science Workshop (Oct 2011)
  - Presentation, Leigh, Northway
- AGU - San Francisco, CA (Dec, 2011)
  - Platform presentation, Leigh
- ITOC Steering Committee working on
  - Web presence
  - Institutional identity
  - Funding
    - Need help with your broader impacts??
Acknowledgements

- National Science Foundation
  - LTER Program
  - International Polar Year
  - Alaska EPSCoR
- Bonanza Creek LTER
- US Forest Service
- BLM Joint Fire Sciences Program
- US National Park Service
- University of Alaska Fairbanks
  - UAF Institute of Arctic Biology
- Fairbanks Arts Association
- New York City International Fringe Festival

Ecological Reflections
Fred Swanson (Andrews Experimental Forest)

Photography
- James Barker
- Marie Gilbert
- Dennis McKinley

Art Curation
- Karin Franzen

Artistic Direction
- Stephan Golux