COS 5 - Climate Change: Ranges And Phenology I

Monday, August 6, 2012: 1:30 PM-5:00 PM
F149, Oregon Convention Center

1:30 PM
COS 5-
Range shifts in marine species: Testing ecological hypotheses against four decades of observations
Malin L. Pinsky, Princeton University; Michael J. Fogarty, NOAA NMFS Northeast Fisheries Science Center; Boris Worm, Dalhousie University; Jorge L. Sarmiento, Princeton University; Simon A. Levin, Princeton University
1:50 PM
COS 5-
How low can you go? Soil depth gradients contribute to the elevational creosotebush-to-blackbrush transition in the Mojave Desert
Lisa C. Jones, Texas State University; Susan Schwinning, Texas State University; Todd C. Esque, US Geological Survey, Westen Ecological Science Center
2:10 PM
COS 5-
Beyond the mean: The importance of variability in predicting ecological impacts of stream thermal regimes
E. Ashley Steel, USFS PNW Research Station; Abby Tillotson, Northwest Fisheries Science Center; Donald A. Larsen, Northwest Fisheries Science Center; Aimee H. Fullerton, Northwest Fisheries Science Center; Keith P. Denton, Northwest Fisheries Science Center; Brian R. Beckman, Northwest Fisheries Science Center
2:30 PM
COS 5-
Recurring weather extremes alter the flowering phenology of two common temperate shrubs
Laura Nagy, University of Bayreuth
2:50 PM
COS 5-
Warming up to changing trait frequencies: Rapid, climate change-induced shifts in population sex ratios along an elevation gradient
William K. Petry, University of California at Irvine; Amy M. McKinney, University of Maryland; David W. Inouye, University of Maryland; Kailen A. Mooney, University of California at Irvine; Judith D. Soule, Rocky Mountain Biological Laboratory
3:20 PM
COS 5-
Modeling budburst in Coast Douglas-fir based on winter temperature and genotype
Peter J. Gould, USDA Forest Service, Pacific Northwest Research Station; Constance A. Harrington, USDA Forest Service, Pacific Northwest Research Station
3:40 PM
COS 5-

Lesser Celandine (*Ranunculus ficaria*) flowering phenology shifts since introduction to the United States
Angela R. Post, Virginia Tech
4:00 PM
COS 5-
Citizen scientist data suggest widespread climate driven changes in North American butterfly communities
Greg A. Breed, Harvard University; Sharon Stichter, Massachusetts Butterfly Club; Elizabeth E. Crone, Harvard University
4:20 PM
COS 5-
Asynchronous changes in phenology of migrating Broad-tailed Hummingbirds and their early-season nectar resources
Paul J. CaraDonna, University of Arizona; Amy M. McKinney, University of Maryland; David W. Inouye, University of Maryland; Billy Barr, Rocky Mtn. Biological Laboratory; C. David Bertelsen, University of Arizona; Nickolas M. Waser, University of California, Riverside
4:40 PM
COS 5-
Pushing limits: Altered temperature and precipitation differentially affect plant species inside and beyond their current ranges
Laurel Pfeifer-Meister, University of Oregon; Scott D. Bridgham, University of Oregon; Timothy Tomaszewski, University of Oregon; Maya E. Goklany, University of Oregon; Lorien L. Reynolds, University of Oregon; Chelsea J. Little, University of Oregon; Bart R. Johnson, University of Oregon

COS 32 - Climate Change: Ranges And Phenology II

Tuesday, August 7, 2012: 8:00 AM-11:30 AM
F150, Oregon Convention Center

8:00 AM
COS 32-
Timing is everything: flowering phenology influences pollinator-mediated indirect interactions between native and exotic plants
Susan M. Waters, University of Washington; Janneke Hille Ris Lambers, University of Washington
8:20 AM
COS 32-
The effects of altered phenology on plant-pollinator interactions and plant reproduction
Zachariah J. Gezon, Dartmouth College; David W. Inouye, University of Maryland; Rebecca E. Irwin, Dartmouth College
8:40 AM
COS 32-
Climate Alters Spatiotemporal Dynamics of Summer Green Wave in Yellowstone National Park
Karthik Ram, University of California, Berkeley; Fred Watson, California State University

Monterey Bay; Douglas Smith, Yellowstone Center for Resources; Chris Wilmers, University of California, Santa Cruz
9:00 AM
COS 32-
Factors other than temperature may influence northern hardwood tree phenology
James M. VanGyzen, Plymouth State University; Michele L. Pruyn, Plymouth State University; Kim Votta, Margret & H.A. Rey Center; Thomas R. Boucher, Plymouth State University
9:20 AM
COS 32-
Experimental warming alters phenological synchrony and insect performance in western tent caterpillars and red alders
Heather M. Kharouba, University of British Columbia; Mark Vellend, Université de Sherbrooke; Rana M. Sarfraz, University of British Columbia; Judith H. Myers, University of British Columbia
9:50 AM
COS 32-
Breeding phenology of free-living arctic ground squirrels in an early spring: Is autumn a back seat driver
Michael J. Sheriff, University of Alaska Fairbanks; C. Loren Buck, University of Alaska Anchorage; Brian M. Barnes, University of Alaska Fairbanks
10:10 AM
COS 32-
Phenology and plant invasions: Do invaders occupy novel temporal niches?
Elizabeth M. Wolkovich, University of British Columbia; Charles Davis, Harvard; Elsa Cleland, University of California – San Diego
10:30 AM
COS 32-
Japanese insect phenology and phenological changes among trophic levels
Elizabeth Ellwood, Boston University; Jeffrey M. Diez, University of Michigan; Ines Ibanez, University of Michigan; Richard B. Primack, Boston University; Hiromi Kobori, Tokyo City University; Hiroyoshi Higuchi, University of Tokyo; John A. Silander, University of Connecticut; Caroline Polgar, Boston University
10:50 AM
COS 32-
Moving Beyond Resurveys of Historic Pika Record Locations: Using Relict Feces to Test the Hypothesis of Climate-Mediated Range Retreat in California
Joseph A. E. Stewart, University of Nevada Reno
11:10 AM
COS 32-
Genetic characterization and predictive modelling of a pine hybrid zone in western Canada: Implications for range expansion of the mountain pine beetle
Patrick James, Universite de Montreal; Cathy Cullingham, University of Alberta; Janice Cooke, University of Alberta; Dave Coltman, University of Alberta

USA National Phenology Network Brown Bag Lunch

Wednesday, August 8, 2012: 11:30 AM-1:15 PM
VIP B, Oregon Convention Center

PS 77 - Climate Change: Ranges And Phenology

Thursday, August 9, 2012: 4:30 PM-6:30 PM
Exhibit Hall DE, Oregon Convention Center

PS 77-
Patterns in forest plant phenology: Can citizen scientists accurately assess phenological changes?
Kerissa Fuccillo, Portland State University; Theresa M. Crimmins, USA National Phenology Network; Timothy S. Elder, Portland State University

PS 77-
Answer Questions at Multiple Scales with Data Provided by the USA National Phenology Network
Alyssa Rosemartin, USA National Phenological Network & University of Arizona; Theresa M. Crimmins, USA National Phenology Network; Carolyn A.F. Enquist, The Wildlife Society & USA National Phenology Network; Ellen G. Denny, USA National Phenology Network; Jake Weltzin, USA National Phenology Network

PS 77-
Has climate change shifted US maize planting times?
Ethan E. Butler, Harvard University; Alexander R. Stine, Harvard University; Peter J. Huybers, Harvard University

PS 77-
Climatic effects on a non-native amphibian in Hawaii Island: Survivorship along an elevational gradient
Christina T. Liang, Pacific Southwest Research Station, USDA Forest Service

PS 77-
Plant range expansion and biotic interactions: An experimental approach
Daniel W. Katz, University of Michigan; Ines Ibanez, University of Michigan

PS 77-
Does history repeat itself? Tracking change in resource use by alpine bumblebees with global warming
Nicole Miller-Struttmann, University of Missouri; James D. Franklin, University of Missouri; Candace Galen, University of Missouri

PS 77-
Don’t judge a leaf by its color: Warming is not delaying end-of-season processes in some deciduous tree species
Anne W. Stine, Duke University; Carl Salk, University of Colorado; James S. Clark, Duke University

PS 77-
Life at the Limit: Pollen limitation of an early flowering lily (*Erythronium montanum*)
Elinore J. Theobald, University of Washington; Janneke HilleRisLambers, University of Washington

PS 77-

Phenological shifts in flowering in southern California under El Niño conditions (1976)
Cesar L. Garcia, California State University, San Bernardino; Kimberlyn Williams, California State University, San Bernardino
PS 77-
Observed changes in phenology across the US: A regional review for the National Climate Assessment
Carolyn A.F. Enquist, USA National Phenology Network & The Wildlife Society; Stacey Leicht Young, U.S. Geological Society; Jake Weltzin, USA National Phenology Network
PS 77-
Understanding range limits: climate, competition, and patterns of survival for three sugar maple populations experimentally planted from Arkansas to Ontario
Rachel C. Putnam, University of Minnesota; Peter B. Reich, University of Minnesota
PS 77-
The effects of climate and land use patterns on species presence and abundance for the Flour Bluff, TX Christmas Bird Count
Caitlin M. Bailey, Texas A&M-Corpus Christi; David J. Grisé, Texas A&M-Corpus Christi
PS 77-
Simulated vegetation responses to potential future climate change in western North America
Frédérik Saltré, Oregon State University; Sarah L. Shafer, U.S. Geological Survey; Patrick J. Bartlein, University of Oregon
PS 77-
Climate change: Implications for montane mammals of the Great Basin
Rob Channell, Fort Hays State University; Georgina Y. Jacquez, Fort Hays State University
PS 77-
The effect of temperature and precipitation on the timing of the adult flight period of Lycenid butterflies in Massachusetts
Caroline Polgar, Boston University; Richard B. Primack, Boston University; Ernest H. Williams, Hamilton College; Colleen Hitchcock, Boston College; Sharon Stichter, Massachusetts Butterfly Club

COS 193 - Phenology

Friday, August 10, 2012: 8:00 AM-11:30 AM
Portland Blrm 257, Oregon Convention Center

8:00 AM
COS 193-
Autumn leaf senescence coincides with declining water use efficiency in five deciduous tree species, North Carolina piedmont, USA
Adriana Sanchez, Wake Forest University; Nicole M. Hughes, High Point University; William K. Smith, Wake Forest University
8:20 AM
COS 193-
Sexual selection in the evolution of flowering phenology
Jessica Forrest, University of California, Davis

8:40 AM
COS 193-
Soil Water And Temperature Explain Canopy Phenology In The Shortgrass Steppe.
Lynn M. Moore, University of Wyoming; William K. Lauenroth, University of Wyoming; David M. Bell, University of Wyoming
9:00 AM
COS 193-
Building a phenological monitoring network in California as a model for the nation
Elizabeth R. Matthews, University of California, Santa Barbara; Susan J. Mazer, University of California, Santa Barbara; Angela Evenden, National Park Service, Pacific West Region, San Francisco; Katharine L. Gerst, USA National Phenology Network, National Coordinating Office; Christy A. Brigham, National Park Service, Santa Monica Mountains National Recreation Area; Janet Coles, National Park Service, Lassen Volcanic National Park; Sue Fritzke, National Park Service; Brian P. Haggerty, University of California, Santa Barbara; Sylvia Haultain, National Park Service, Sequoia and Kings Canyon National Parks; Joshua D. Hoines, National Park Service, Joshua Tree National Park; Stassia Samuels, National Park Service, Redwood National Park; Kathryn A. Thomas, US Geological Survey, Pacific Northwest Aquatic Monitoring Partnership; Fernando Villalba, National Park Service; Jake F. Weltzin, USA National Phenology Network, National Coordinating Office
9:20 AM
COS 193-
Implementing a regional phenology network: The California Phenology Project
Katharine L. Gerst, National Coordinating Office; Elizabeth R. Matthews, University of California Santa Barbara; Susan J. Mazer, University of California, Santa Barbara; Angela Evenden, National Park Service, Pacific West Region, San Francisco; Christy A. Brigham, National Park Service, Santa Monica Mountains National Recreation Area; Janet Coles, National Park Service, Lassen Volcanic National Park; Sue Fritzke, National Park Service; Brian P. Haggerty, University of California, Santa Barbara; Sylvia Haultain, National Park Service, Sequoia and Kings Canyon National Parks; Joshua D. Hoines, National Park Service, Joshua Tree National Park; Stassia Samuels, National Park Service, Redwood National Park; Fernando Villalba, National Park Service; Jake F. Weltzin, USA National Phenology Network, National Coordinating Office
9:50 AM
COS 193-
Long-term shifts in flowering phenology and floral abundance in a sub-alpine plant community
Amy M. McKinney, University of Maryland; David W. Inouye, University of Maryland
10:10 AM
COS 193-
When is spring green-up? Interaction of species phenology and community composition
Annika W. Walters, USGS Wyoming Cooperative Fish and Wildlife Research Unit; María A. González Sagrario, CONICET-Universidad Nacional de Mar del Plata; Daniel E. Schindler, University of Washington
10:30 AM
COS 193-
Coexistence among relatives at Bodega Marine Reserve: Correlations between flowering phenology, and phylogenetic distance

Anna M. Truszczynski, University of California, Davis; Jean H. Burns, Case Western Reserve University; Sharon Y. Strauss, University of California, Davis
10:50 AM
COS 193-
Post-invasion changes in reproductive and dispersal traits, and their correlations, in three invasive mustards
Lidia Caño, University of California Davis; Sharon Y. Strauss, University of California, Davis
11:10 AM
COS 193-
A revolutionary migration: Full account of energy niche predicts stationary animal migrants and mechanistic phenology
Ty Tuff, University of Colorado; Brett A. Melbourne, University of Colorado at Boulder