

2017 KBS LTER All Scientist Meeting and Investigators Field Tour Program

Charting New Directions for KBS LTER Science

DAY 1: Kellogg Conference Center, Michigan State University, 219 S Harrison Rd., East Lansing, MI 48824

DAY 2: Kellogg Biological Station, Michigan State University, 3700 E. Gull Lake Dr., Hickory Corners, MI 49060

<http://lter.kbs.msu.edu/>   @KBSLTER

Friday, October 6, 2017 - Kellogg Hotel and Conference Center		
8:15 am	Registration and breakfast snack	Kellogg Center (Big Ten C)
9:00 am	Introduction – <i>Neville Millar</i> Overview – <i>Steve Hamilton</i> New directions for the next phase – <i>Jen Lau</i> Major areas of future investigation: Soils and resilience – <i>Phil Robertson, Bruno Basso, & Steve Hamilton</i> Biodiversity, ecosystem stability & functions – <i>Sarah Evans</i> Dispersal as a stabilizing mechanism – <i>Doug Landis & Nick Haddad</i> Rapid evolution – <i>Jen Lau</i> Human adaptation – <i>Scott Swinton & Sandy Marquart-Pyatt</i>	Big Ten C
10:30 am	Break – coffee, tea, snacks available	
10:45 am	Keynote Address Dr. David Inouye: Univ. of Maryland, Dept. of Biology <i>The effects of global and regional climate change on phenology of wildflowers and animals in the Rocky Mountains</i>	Big Ten C
12:00 pm	Lunch – seated	Riverside Room
1:15 pm	Working Groups – “Building theory for application”	
	<i>Working group 1: From fields to landscapes</i>	Rm. 102
	<i>Working group 2: Risk and vulnerability in a changing climate</i>	Rm. 107
	<i>Working group 3: Biological and technological evolution</i>	Rm. 110
2:45 pm	Break – coffee, tea, available	
3:00 pm	Report Back and ASM overview	Big Ten C
3.45 pm	Poster Reception and refreshments / hors d'oeuvres	Big Ten C
6:00 pm	Adjourn	
6:15 pm	Graduates social mixer	Harrison Roadhouse

Saturday, October 7, 2017 - Kellogg Biological Station

8:45 am	Meet to transfer to field site	Parking Lot (McCrary)
9:00 am	<p>Main Cropping System Experiment (MCSE)</p> <p>Site overview: <i>Steve Hamilton</i></p> <p>Presentation 1: Passive warming experiment and prairie restoration <i>Meredith Zettlemyer, Jen Lau</i></p> <p>Presentation 2: Rainfall manipulation <i>Kate Glanville, Phil Robertson</i></p> <p>Presentation 3: Socio-ecological research <i>Braeden Van Deynze, Sandy Marquart-Pyatt</i></p> <p>Presentation 4: GLBRC overview and future research <i>Phil Robertson</i></p> <p>Presentation 5: Microbial ecology <i>Lucas Bell-Dereske, Sarah Evans</i></p> <p>Presentation 6: Greenhouse gas exchange <i>Di Liang, Kevin Kahmark, Phil Robertson</i></p> <p>Presentation 7: Albedo and NDVI measurement by UAV (drone) <i>Sven Bohm, Kevin Kahmark, Steve Hamilton</i></p>	<p><i>LTERR (MCSE) site: northeast of 40th St. and B avenue</i></p>
11:45 am	Transfer to KBS	
12:00 pm	Lunch	McCrary Hall, KBS
1:15 pm	<p>Workshop: Introduction to structural equation modeling and its application to long-term data</p> <p><i>Sandy Marquart-Pyatt & Steve Hamilton</i></p>	Carriage House (south end of KBS campus)
2:45 pm	Break (coffee and snacks)	Carriage House
3:00 pm	<p>Workshop continuation: Analysis of example data</p> <p><i>Sandy Marquart-Pyatt & Steve Hamilton</i></p>	Carriage House
4:30 pm	Adjourn	