

Idaho EPSCoR Annual Meeting 2020

Day 3 – Opening Remarks

Virtual posters may still be viewed at any time at:

<https://symposium.foragerone.com/idepscoram20>



Day 3 Agenda

8:00 PT Opening Remarks (A. Kliskey)

8:15 Working Group: Scenarios Working Group (D. Cronan)

10:00 Working Group: Sage-Trout Integration (J. Forbey & C. Caudill)

11:45 Plenary: Seed Funding update, GEM3 Priorities and Next Steps (A. Kliskey, et al.)

12:15 Presentation of the Jean'ne M. Shreeve Research Excellence Award (D. Jacklin)

12:30 Concurrent Activities

A. PAB Meeting (closed)

B. Idaho EPSCoR Committee meeting (Committee Members and invited)

C. Working Group: Social Ecological Systems (Burnham & Hopping)

2:15 Adjourn by 2:15 pm PT

Adaptive capacity of populations

Scaling-up by validating remote sensing to monitor environmental conditions and phenotypes *in situ*

Dry Creek Expt Watershed

10:00
Sage-Trout Integr. WG

GxE experimental approaches (Common Gardens)

RBT
SB

to ID genetic linkages to
phenotypic variation >> transcriptomics

Outcomes:
Manuscript 1, 2, 3
Proposal 1, 2, 3

12:30
SES WG

Env1

Env2

Env3

Scaling up to monitor and predict (model) E, P, & G

RBT

SB

Genotypes - Field
Landscape Selection
Plasticity
Behavioral plasticity
Survivorship - Field
Behavioral plasticity - CG trials

10:00
Sage-Trout Integr. WG

Output: Individual genotypes, phenotypes, location; Population data

Outcomes:
Manuscript 1, 2, 3
Proposal 1, 2, 3

Adaptive potential of individuals

5,000 ft

GxE dependent phenotypes

RBT

SB

Test & revise GxE mechanism predictions

Common adaptive capacity research questions:

- What is the adaptive capacity of landscapes and organisms as environmental conditions change in scope and intensity?
- How do you measure mechanisms of plasticity & examine G to P processes
- How much variability in P is related to G vs E
- What are the genetic linkages to the phenotypic variation observed among populations
- Etc ...

Adaptive capacity of landscapes

Agency-driven biological scenarios

Sagebrush restoration

RBT

SB

RBT habitat restoration

10:00
Sage-Trout Integr. WG

Hydrologic change
Human

Informed management decisions

0815 Scenarios WG

Values, attitudes, preferences for sagebrush landscape

SAG-driven emergent scenarios

12:30
SES WG

Outcomes:
Manuscript 1, 2, 3
Proposal 1, 2, 3