Konza Prairie (KNZ)
Importance of Legacies, Land-Use, and Disturbance
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How did our focus (*disturbance*) emerge from LTER?
How did our focus (disturbance) emerge from LTER?

KONZA PRAIRIE EXPERIMENTAL DESIGN

LTER I, II, III

- Climate Variability
- Fire and Grazing
- Nutrient Availability

Tallgrass Prairie Drivers

Tallgrass Prairie
How did our focus (*disturbance*) emerge from LTER?

Manipulating drivers to assess grassland sensitivity and resilience
How did our focus (disturbance) emerge from LTER?
Next Steps

How do interactions among drivers (or reversals) alter patterns of sensitivity and resilience within this ecosystem?

Herbivory (3 types) * Fire
Next Steps

How do interactions among drivers (or reversals) alter patterns of sensitivity and resilience within this ecosystem?

Herbivory (3 types) * Fire  

Woody Encroachment

Browse*fire  
drought*fire
Next Steps

How do interactions among drivers (or reversals) alter patterns of sensitivity and resilience within this ecosystem?

Herbivory (3 types) * Fire

Woody Encroachment

Browse*fire

drought*fire

Above vs. belowground N loss

Cease 30 y of N fertilization:
Denitrification remains elevated without fire

How long to revert to reference state?