State and Transition Models

Problems with linear succession?

- Demographic Inertia
- Loss of Plant Materials
- Fire Feedbacks
- Soil Feedbacks

Problems with succession models (summary)

- _____ pathways of succession
- Multiple ______ vegetation types
- No _____ and _____ end-point

Equating climate composition to range condition confuses evaluation of ______ and their

Site Potential: Precipitation, Temperature, Soil, Topography, Elevation

State and Transition Model:

_____•

- Describe vegetation dynamics and assess the risk of change to another stable state
- Design and interpret monitoring based on expected responses to management or climatic changes.

Steady State:

Transition:

Threshold:

Ball and Cup (trough) Analogy:

Stepwise Degradation:

- Biotic Transition:
- Abiotic Transition:

Rangelands are **Dynamic!**