

# Agency Implementation and Needs

## Science and Technology Needs/Challenges

Pat Shaver – USDA-NRCS

Jeff Rose – USDI-BLM

# Ranch/Allotment Management

## Needs

### Information for making management decisions

Strategic – What is Potential



Operational – What is Practical



Tactical – What is Possible

# Ranch/Allotment Management

## Needs

**Information to assess progress toward goals and objectives**

Strategic – What ecological process(es) need to be fixed?

Operational – What direction are we going?

Tactical – Where are we today?

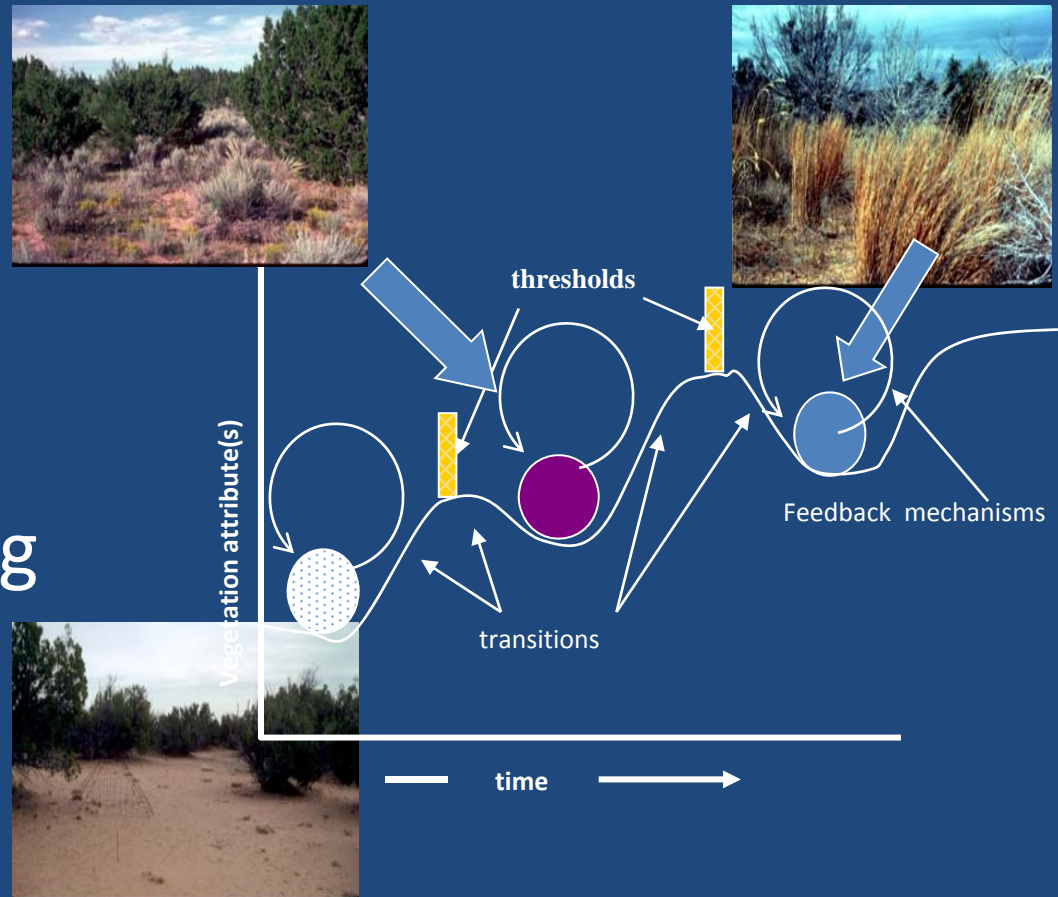


# Ranch/Allotment Management Needs

Information to assess risk

Likelihood of success or failure

Cost of doing nothing



# Ranch/Allotment Management Challenges

- Incorporate Local Knowledge and Expertise
- Incorporate GIS/Soil/ESD into effective mapping tools
  - Minor components and inclusions in soil map units
- Access relevant information in ESD quickly in useful format
  - Custom reports for selected sections of site descriptions

# State/Regional Level Needs

- Information for Strategic planning
  - Relationship to other classification systems
  - Fuel model relationships
  - Vegetation structure

# State/Regional Level Challenges

- Incorporate GIS/Soil ESD into effective mapping tool
- Access relevant information in ESD quickly in useful format
- Analysis of NRI data in ecological site context
- Incorporate into landscape functional units
  - Watershed interpretations
  - Carbon interpretations
  - Climate change mitigation
  - Climate change adaptation

# National Scale Needs

- Development of data structure that ensures flexibility to incorporate new knowledge and ecological concepts
- Ability to assess reliability of data in ESD by sections
- Development of consistent data collection methodologies and protocols
- Consistent training materials and opportunities
- Relationship with other classification systems



# National Scale

## Challenges

- Develop Flexible Formats & Data Elements that Facilitate Revision and Incorporation of New Science
- Incorporate GIS/Soil ESD into effective mapping tool
- Access relevant information in ESD quickly in useful format
- Analysis of NRI data in ecological site context
- Incorporate into landscape functional units
  - Watershed interpretations
  - Carbon interpretations
  - Climate change mitigation
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# Needs & Challenges

## USES

Decision Making  
Measure Progress Toward Goals  
Risk Assessment

## SCALE

- Operational
- Tactical
- Strategic
- Ranch/Allotment
- State/Regional
- National

THANK YOU

