

## **Data and Information Needs**

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### **Problem:**

Researchers do not know what ranchers and land managers need to know to deal with increased uncertainty. What do we need to monitor?

### **Solutions:**

1. Scenario planning
  - Cost of impacts/strategies
2. Communication and integration
3. Incentives for monitoring
  - Incorporate into payment programs
4. Information clearinghouse
  - Data
  - Practices
  - Monitoring (standards/integration)
5. Connecting scientists, ranchers, and public land managers
6. Make research available and relevant (time/scale) to ranchers and managers.
7. Better monitoring that includes:
  - Tiered system based on cost and goals.
  - Better communication and integration
  - Adaptive management
  - Document successes and cost of strategies