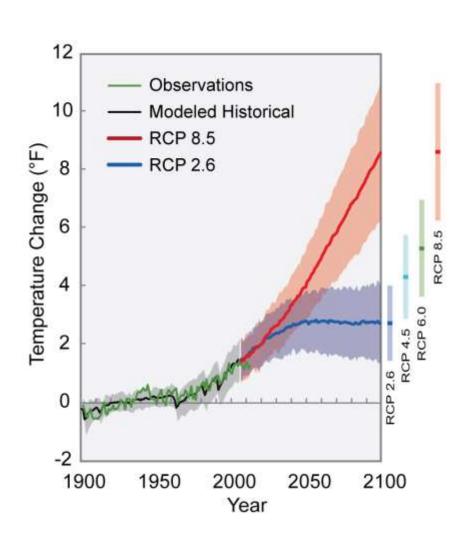
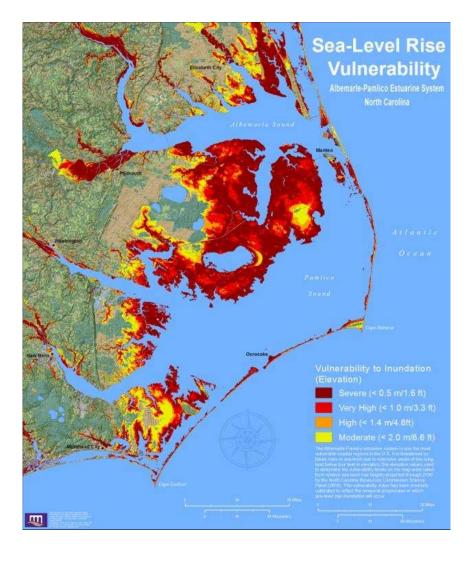


September 13, 2016 Sierra Woodruff

What Uncertainty?





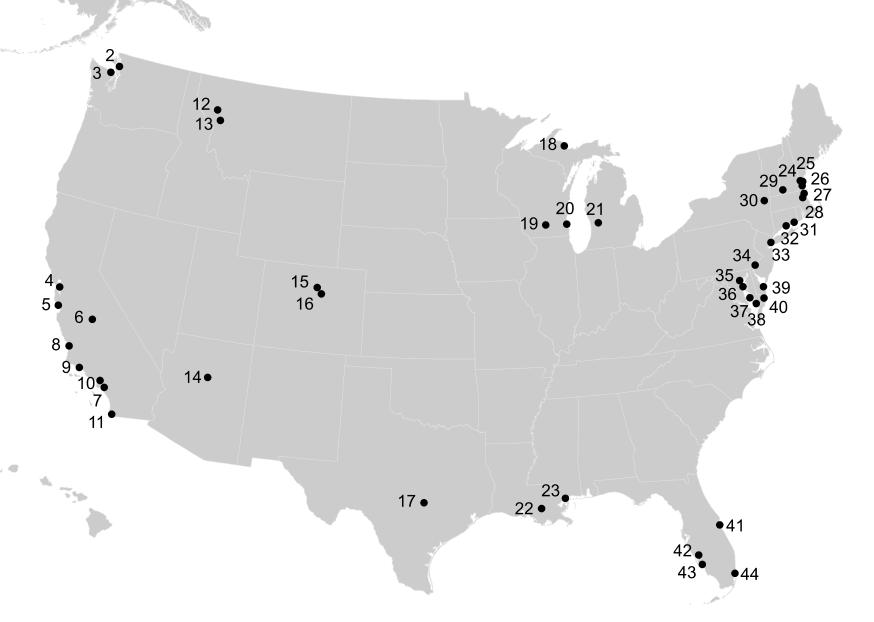
Approaches to Managing Uncertainty

- Scenarios
- Robust and no-regret strategies (robust decision making)
- Flexible strategies (real options analysis; dynamic adaptive policy pathways)
- Adaptive management

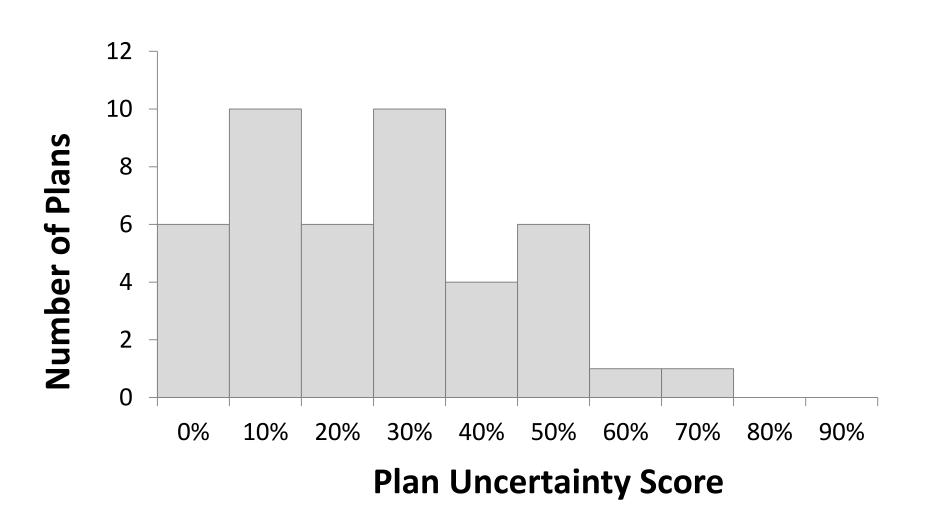


Content Analysis

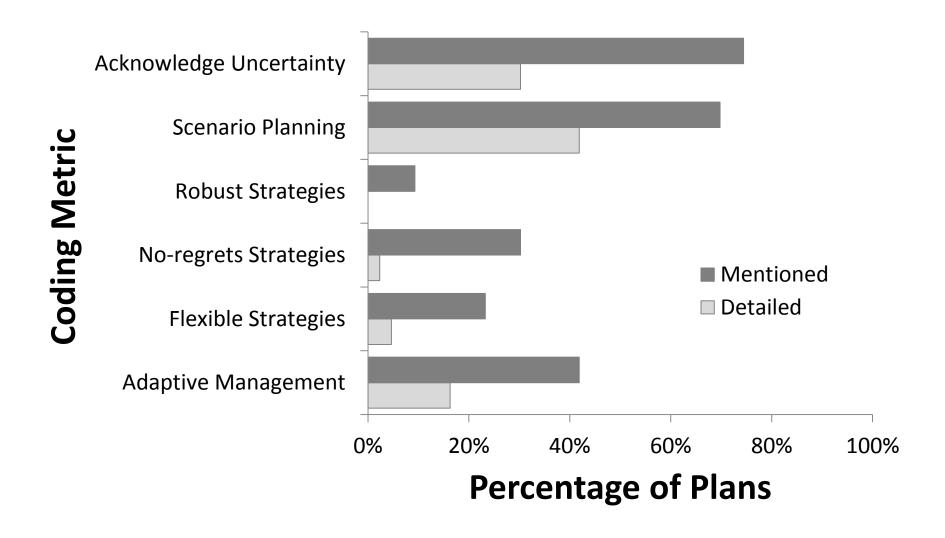
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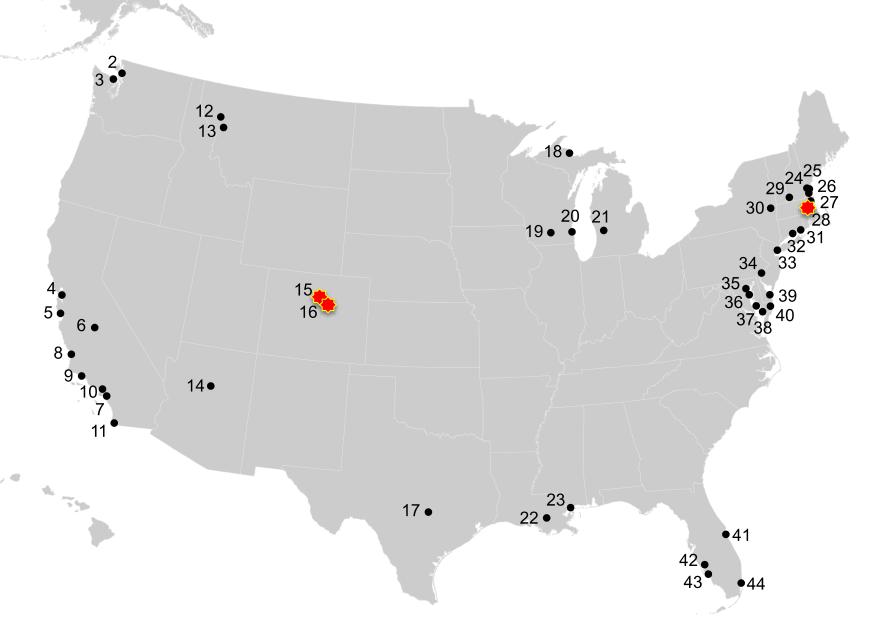
Low uncertainty scores



Gap between research and practice



Interviews



Challenges to Managing Uncertainty

Assumptions in planning

"Until you are really grasping what uncertainty means [...] and that we don't really know what the future is going to look like [...] I don't think new tools are really helpful because you don't understand why you need them." — Denver

Political and institutional barriers

"Uncertainty is always, always the question that comes up." - Boulder

Opportunities

Focus on sensitivity

"Start off with what matters to you [...]
Rather than trying to use the climate science
to dictate what you should be concerned
about, because in reality its only
vulnerabilities that matter" - Boulder

- No regret strategies
- Competing definition of flexible and robust
- Iterative processes

Implications

- A persistent gap between research on planning under deep uncertainty and practice
- 'Context-first' approach necessitates a change in how information-providers interact with practitioners
- Need to strengthen plan components that contribute to an iterative process

"I think we probably are going to be better prepared recognizing that we don't know what is happening."

Denver

