Collaborative Modeling

Incorporating new technologies into the collaborative process

FRAME Projec
Mesa Verde National Park

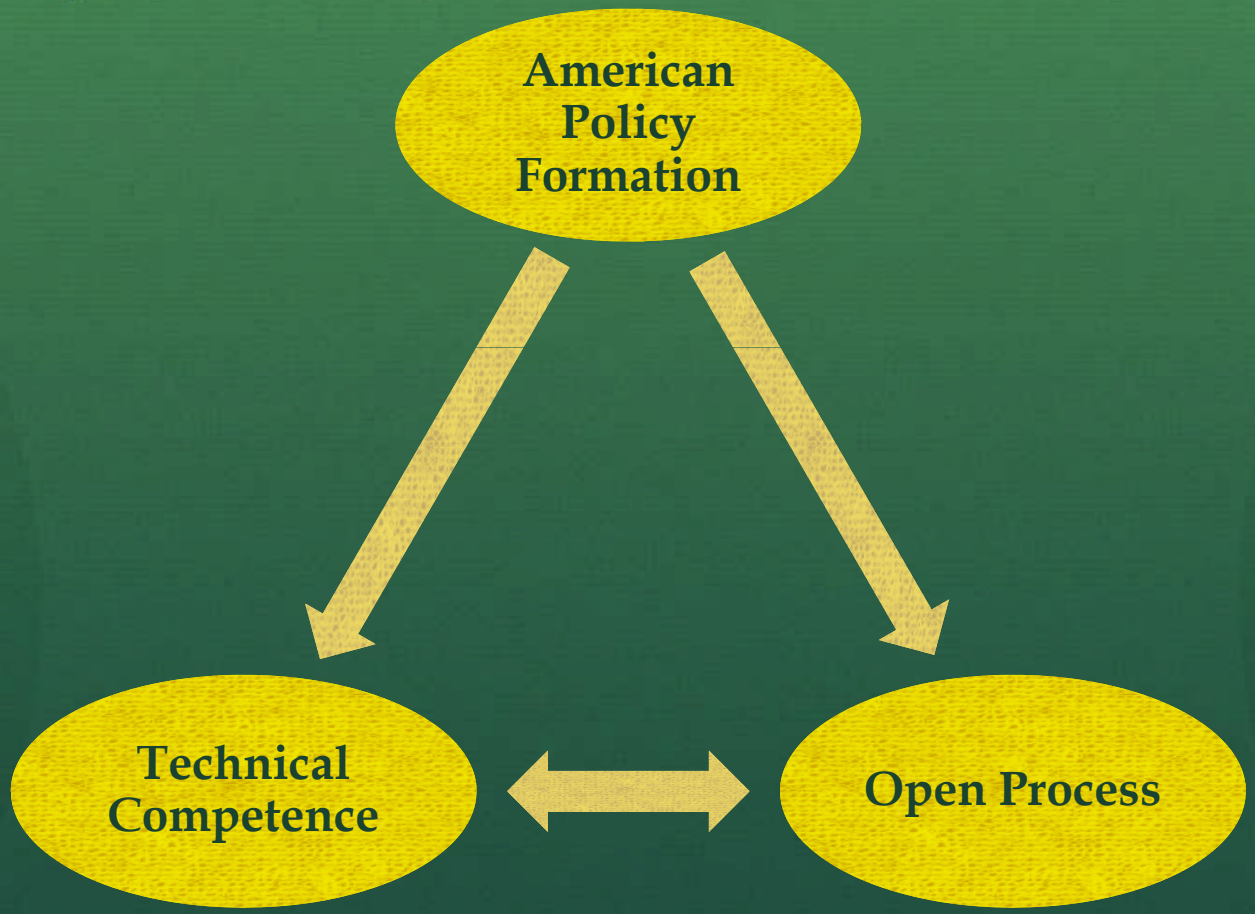
- Christine Turner: US Geological Survey
- Jimmie Chew: Rocky Mountain Research Station
- George Leavesley: Colorado State University

Collaborative Ecosystem Management

	Preservation -----late 1800s-	Conservation 1900s----------	Contemporary 1960s----------	GREM 1980s--------
GOVERNANCE			Top-down	Bottom-up
ROLE OF PUBLIC			Consultative	Participatory
ROLE OF SCIENCE			Dominate politics	Balance with politics

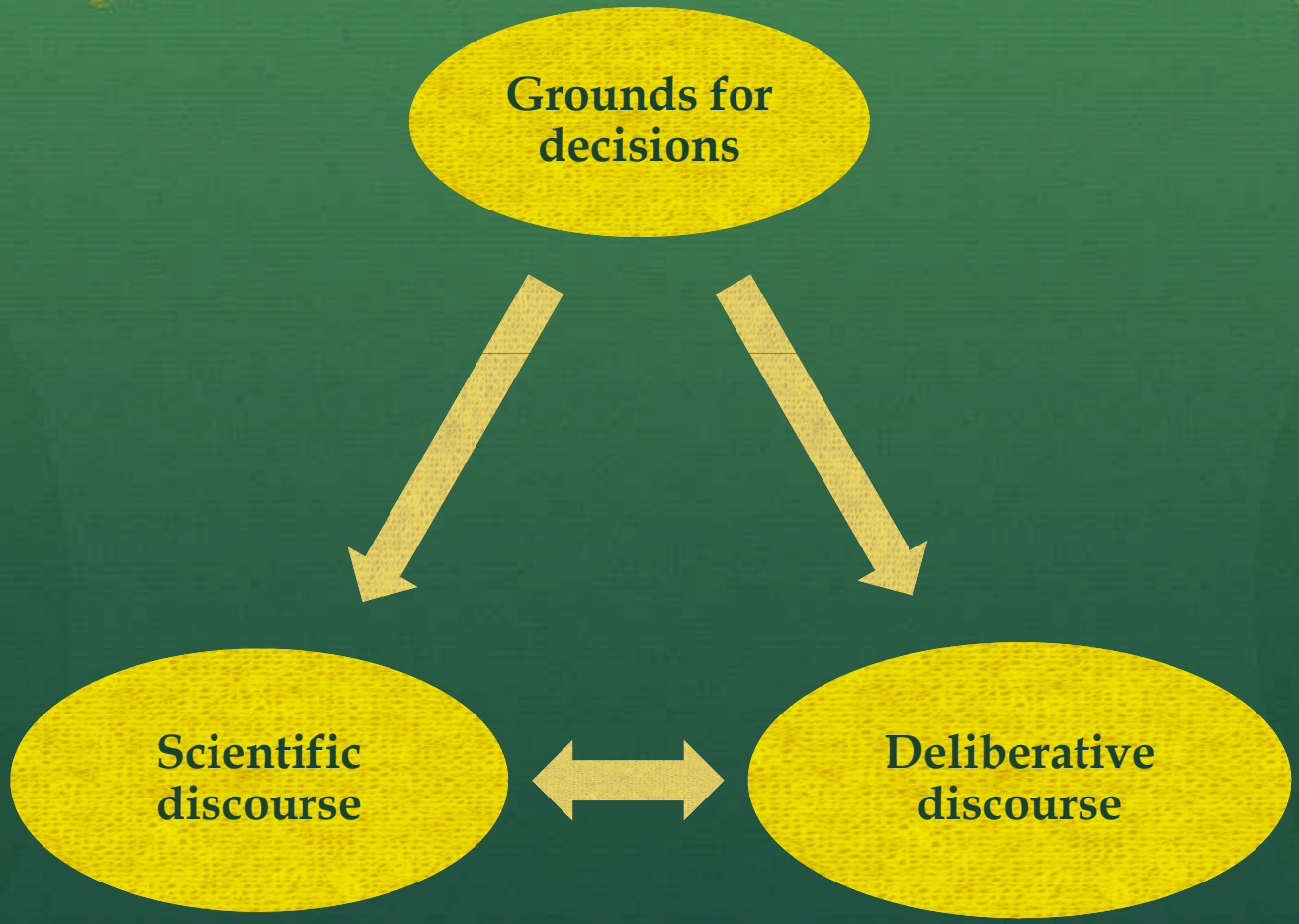
Weber, E. P., (2000) A new vanguard for the environment: Grass-roots ecosystem management as a new environmental movement, *Society and Natural Resources*, 13:237-259.

Fundamental Paradox



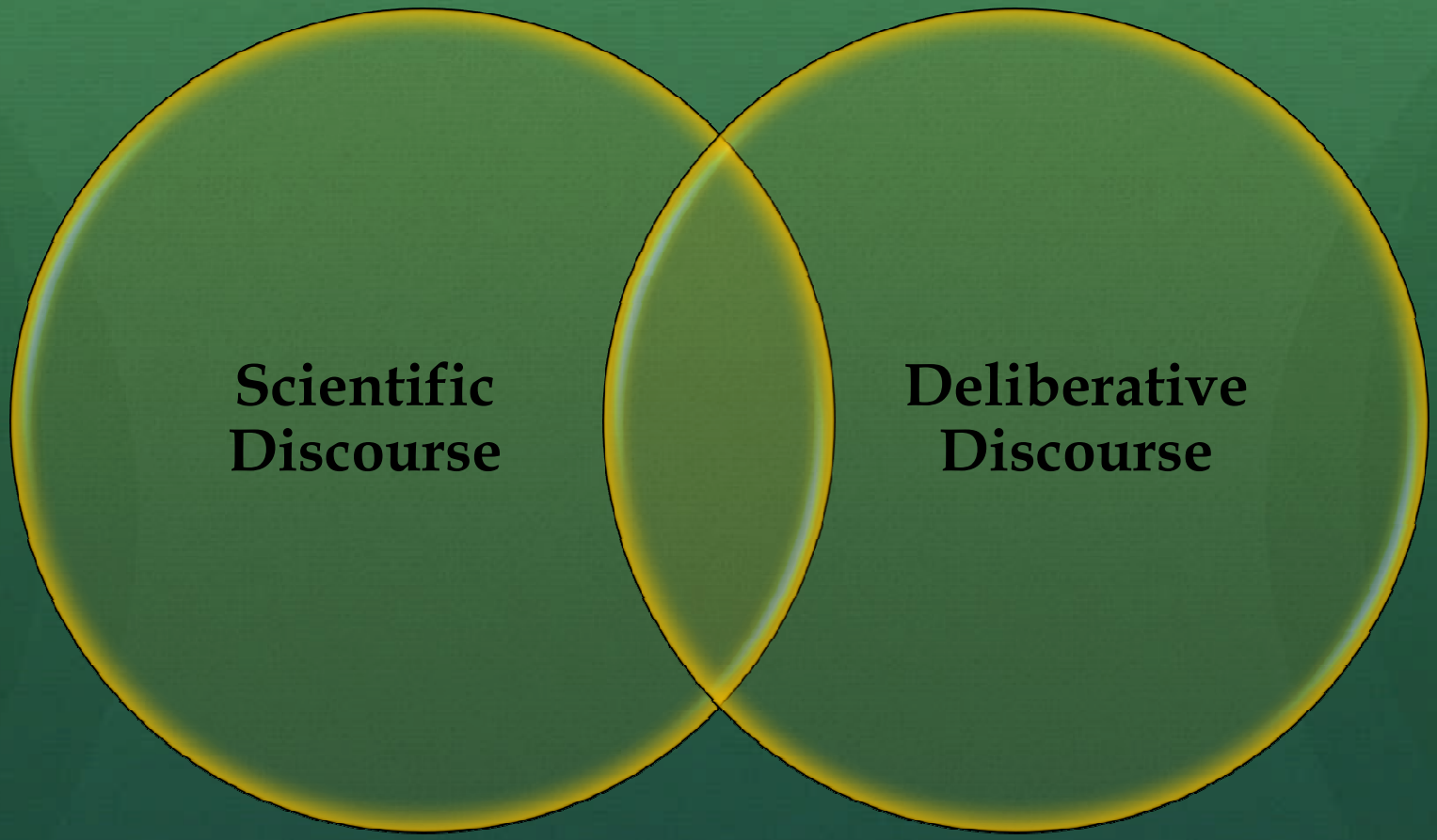
Daniels, S.E., & Walker, G.B. (2001) *Working through environmental conflict: the collaborative learning approach,* Westport, CT: Praeger.

Decision-Making

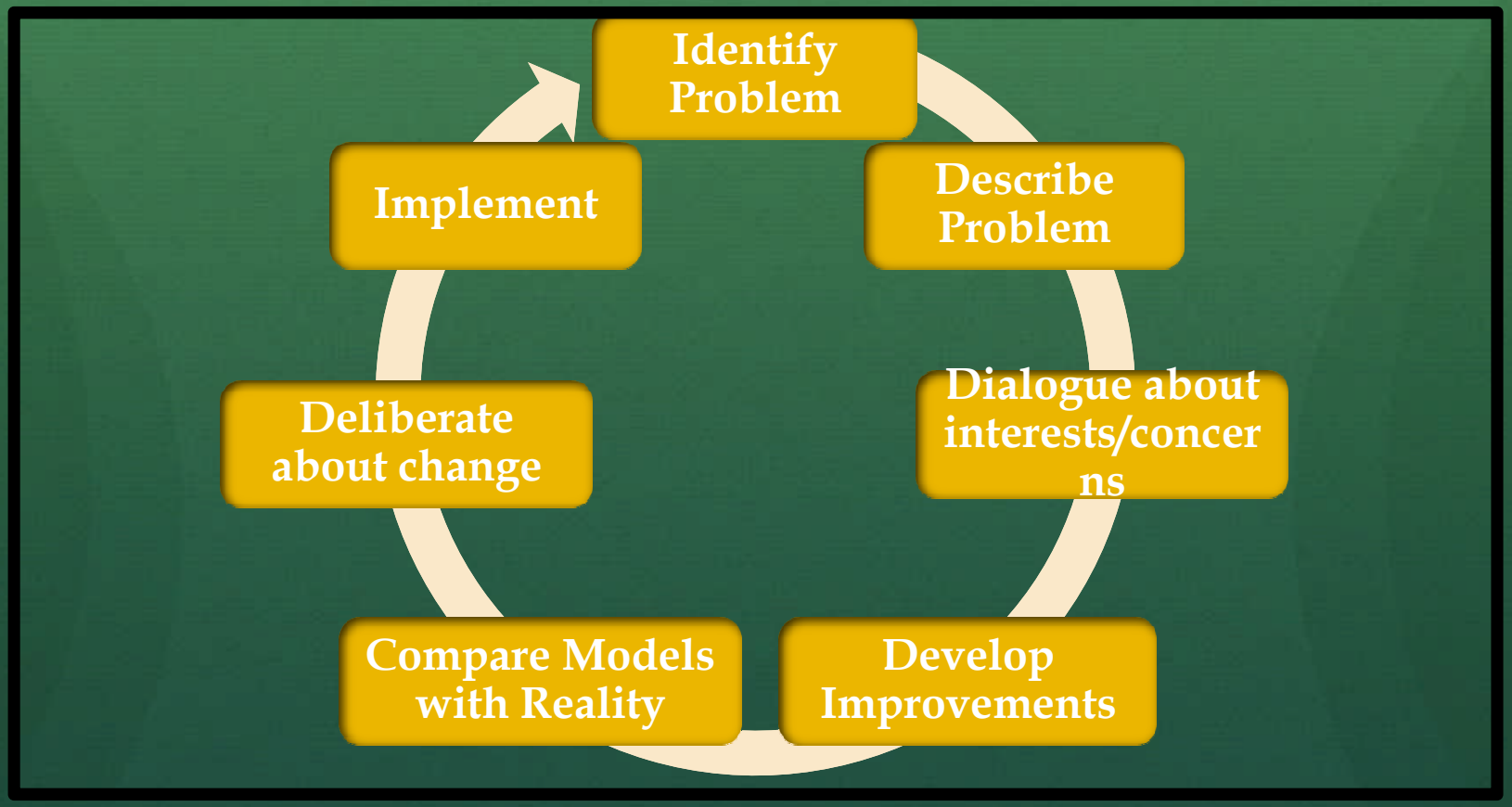


Daniels, S.E., & Walker, G.B. (2001) *Working through environmental conflict: the collaborative learning approach,* Westport, CT: Praeger.

Collaborative Learning



Collaborative Learning



Daniels, S.E., & Walker, G.B. (2001) *Working through environmental conflict: the collaborative learning approach,* Westport, CT: Praeger.

Collaborative Modeling

"Finding ways to increase the quality of technical expertise, while simultaneously increasing the inclusivity of decision processes, is perhaps the fundamental challenge of effective policy formation."

Daniels, S.E., & Walker, G.B. (2001) *Working through environmental conflict: the collaborative learning approach,* Westport, CT: Praeger, p. 4.

FRAME Project

Mesa Verde National Park

a prototype for collaborative modeling