





Background of Large Research Initiatives and Centers

- Shift in science from individual to collaboration and interdisciplinary teams
- "Value-added" benefits of large-scale, team-based, and multidisciplinary research
- Research Center is a funding mechanism for much of today's advanced research

Organization	Participants	Research	Goals
•Large •Often University- based	 Multiple sites Multiple participants Multiple stakeholders Multiple funding sources Multiple target audience groups 	 Not amenable to individual researchers Collaborative Multi- disciplinary Address cutting-edge problems and research 	 Academic competitiveness Improved education Promotes interaction and knowledge transfer with industry





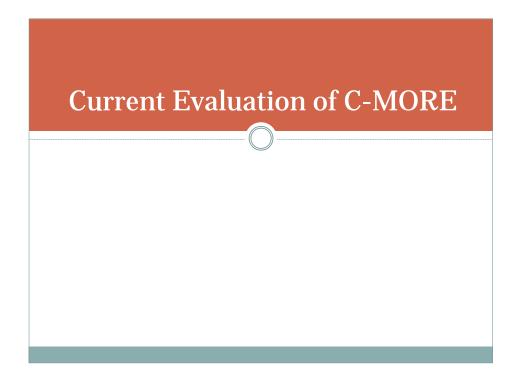
- Is the center as a whole greater than the sum of its parts?
 - "How is the Center as a whole operating and performing?"
 - "Is the Research Center operating efficiently?"

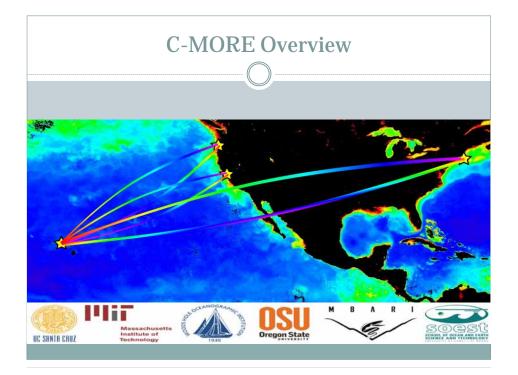
• What is the "value-added" benefit of the center?

• "Is the Research Center the most appropriate funding mechanism and structure for the research activities?"

Address multiple participants and impacts

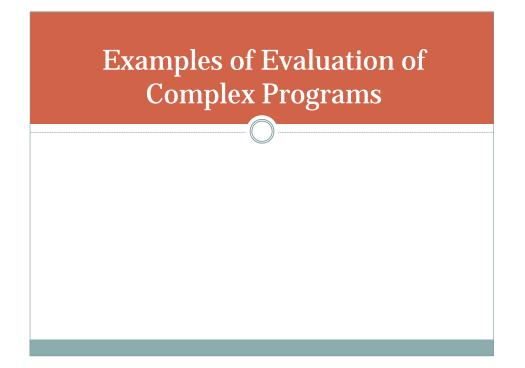
- "Is the Research Center making an impact on the economy, society, university, and the sciences?"
- "Do the goals and vision of the Research Center relate to the needs and priorities of the community and greater society?"





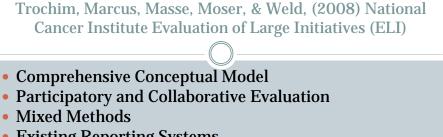
C-MORE Goals and Activities								
Focus	Goals	Objectives	Metrics	Evaluated?				
Research	3	9	17	0				
Education	3	5	14	6				
Diversity	2	4	15	1				
Knowledge Transfer	1	3	12	0				

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Evaluation Strategies Aimed at Specific Target Groups (2009 – 2010)									
Goal	Activity/Strategy	Public	Teach- ers	K-12	Under- grads	Grad- uate	Post- Docs		
Education Goal 1. Increase scientific literacy	C-MORE website analysis	Х	Х	Х	X	Х	Х		
	Science Kits		Х						
	Ocean FEST			Х					
Education Goal 2. Provide state-of-the- art training	Communication and collaboration activities					Х	Х		
	Meeting and Center involvement					Х	Х		
Education Goal 3. Increase in NHPI and other under- represented minority students	Ethnic composition of students in C-MORE and related ocean and earth science disciplines				х	Х	х		
	Scholars Program				Х				

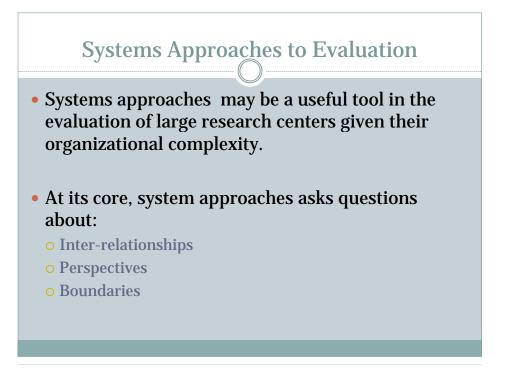


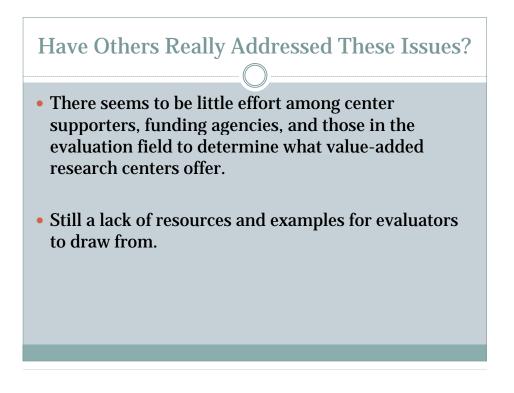
Trochim, Marcus, Masse, Moser, & Weld, (2008) National Cancer Institute Evaluation of Large Initiatives (ELI)

- Evaluation of Large Initiatives (ELI) Project
- Project exploring how to improve capacity and quality of evaluations of large scientific research initiatives
- Transdisciplinary Tobacco Use Research Center (TTURC) as an example



- Existing Reporting Systems
- Adapt Evaluation to Developmental Stage of Initiative
- Develop Standardized Cross-Initiative Evaluation Systems
- Peer Review
- Address Issues of Causation and Control
- Improve Funding and Organizational Capacity for Evaluation
- Address Management Issues





Application to Current Evaluation Efforts

