





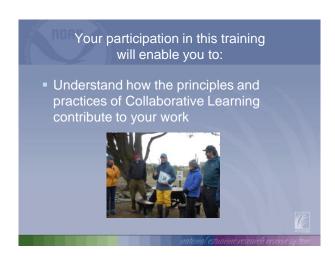








# What is your motivation? 1.My name is \_\_\_\_\_ and 2.I am working with \_\_\_\_ 3.To \_\_\_ 4.in order to \_\_\_\_







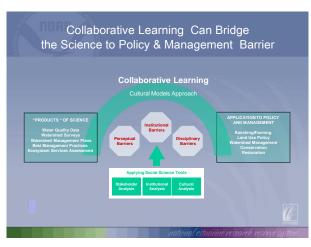


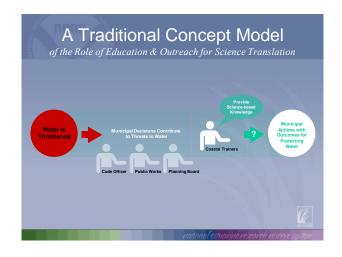














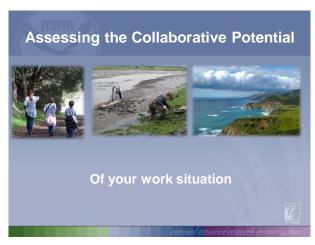




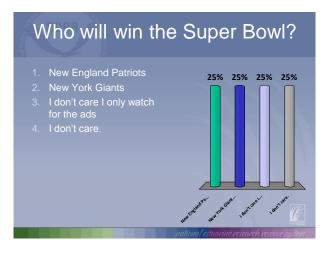


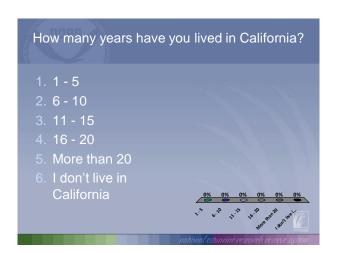




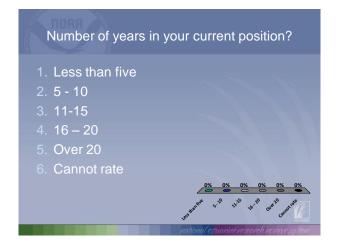
















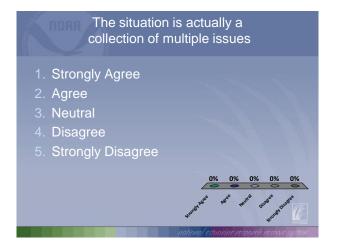


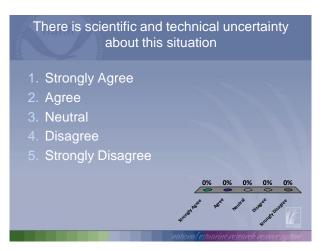




















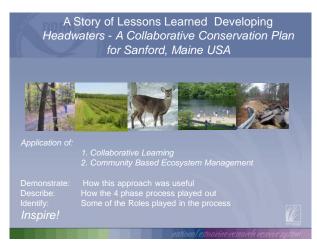


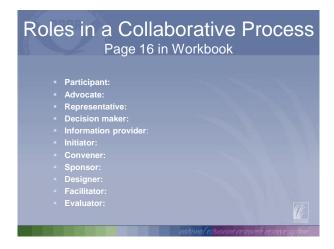








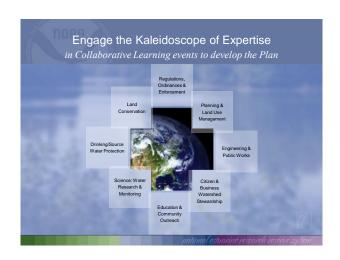


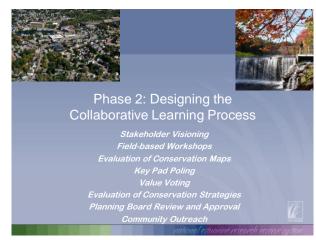




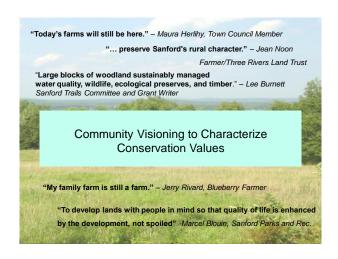




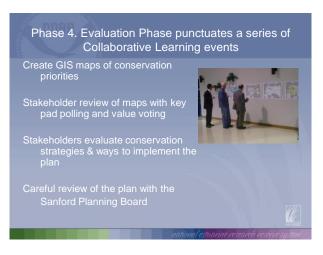




# Phase 3: Implement Stakeholder Visioning Activity to Characterize Conservation Values 1. Working in small groups stakeholders generate 50 year vision 2. Coding of stakeholder notes reveals five conservation values



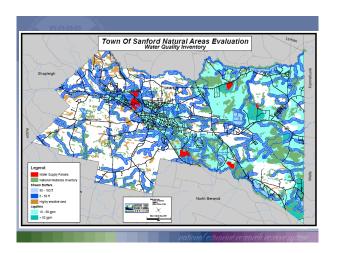


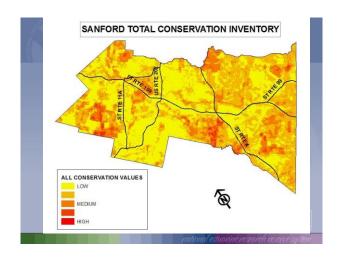


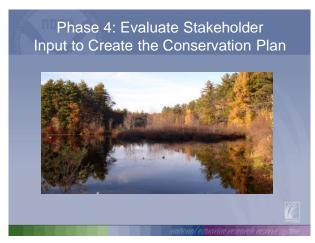


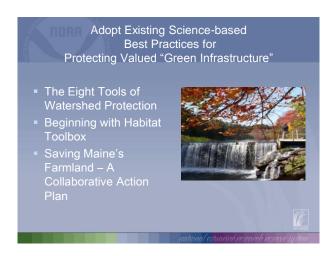










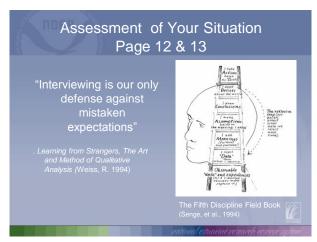








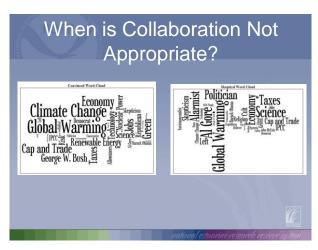




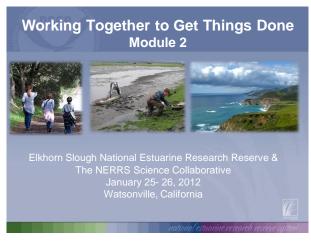


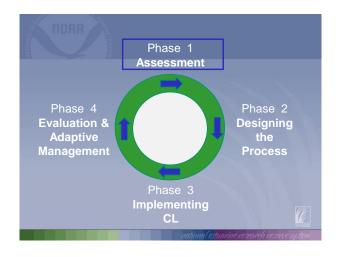






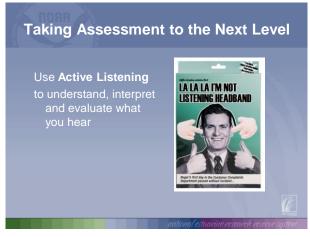


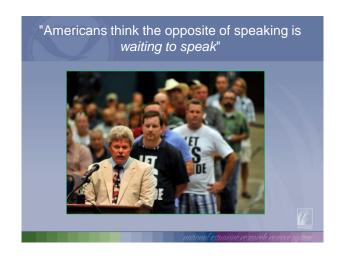










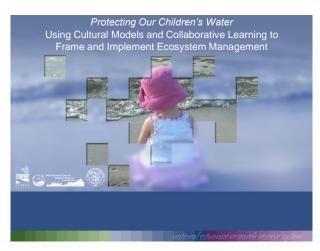














Research Question	Linking Multiple Disciplines to CBEM	Strategic Tools Use: Theory & Practice
Stakeholder Analysis What are the cultural models of water, its management and pollution, used by stakeholders in municipal decision-making?	Cultural Anthropology  Discourse Analysis	Ethnographic Interviews Participant Observation Cultural Models Theory Grounded Theory: Constant Comparison Method
Institutional Analysis How can knowledge of the cultural models used by stakeholders be used to improve community based ecosystem management? (CBEM)	Action Research Instructional Systems Design Environmental Communication	Logic Model Program Planning ADDIE Process  Collaborative Learning Conflict Theory Adult Learning Theory Systems Theory (+ Diffusion of Innovations) (+ Community Based Social Marketing)

### **Cultural Models Defined**

Mental models are a simplified representation of the world what is known to unknown and solve problems.

Mental models that are shared within a culture or social group are cultural models. People organize their culture's beliefs and values with cultural models.

(Kempton, et al., 1995, emphasis added)

Cultural models are shared perceptions and attitudes about how the world works. They are implicit, taken for granted and operate below the level of consciousness.

(Holland and Quinn, 1987; Strauss & Quinn

#### Cultural Models Methods

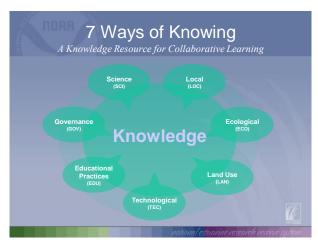
- Qualitative Interviews of Water Experts (n = 5) and Municipal Officials (n = 15) (Bernard, 1998; Weiss, 1994)
- Grounded theory analysis of interview transcripts combined with analysis of field notes from participant observation (Strauss and Corbin, 1990; Quinn, 2005)
- Participant observation of municipal meetings and trainings relevant to water management (200 hours)
- Participant observation of NERRS, Wells NERR and CTP Advisory Committee programs for watershed management, education and outreach (200 hours) (Bernard, 1998; Schensul, et al., 1999)



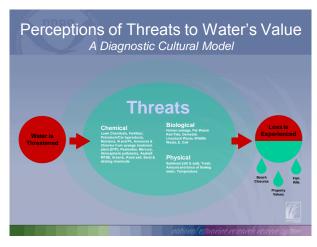


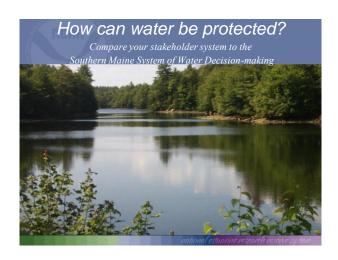


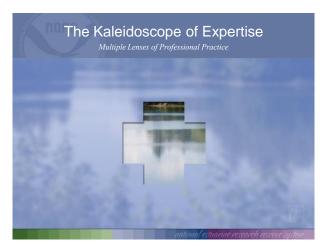




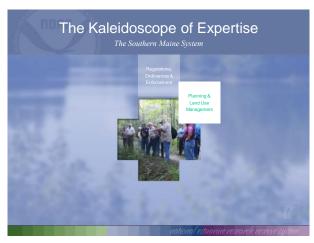


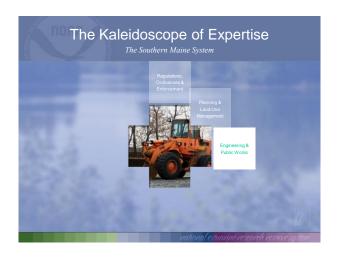


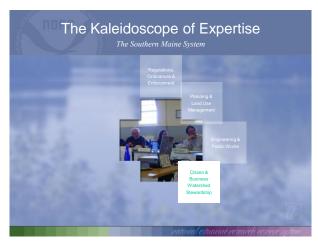


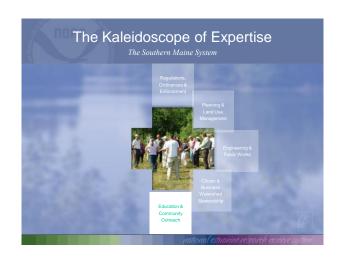


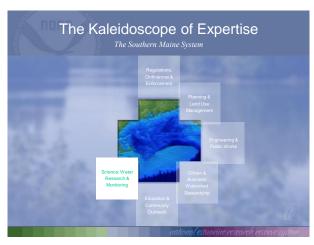


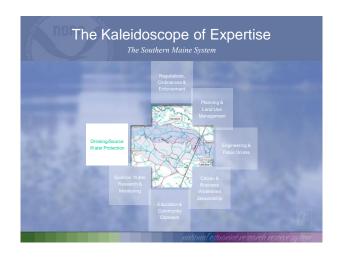


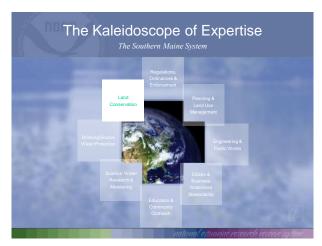




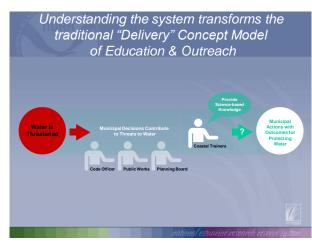


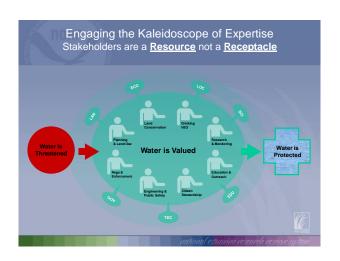


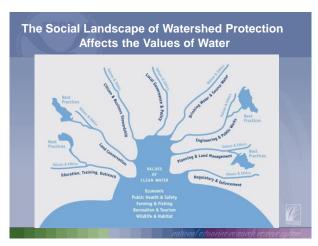




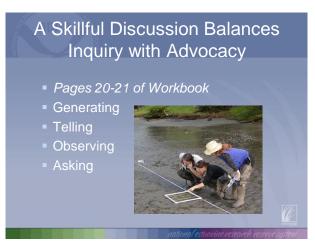


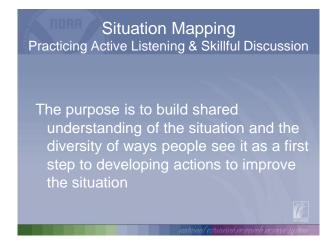


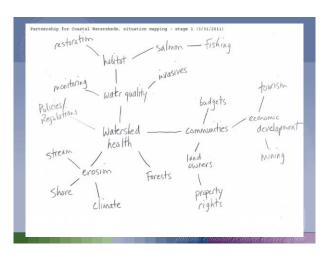


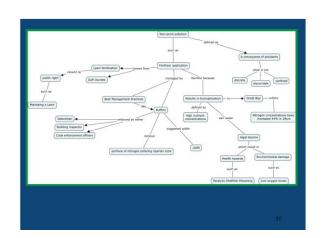


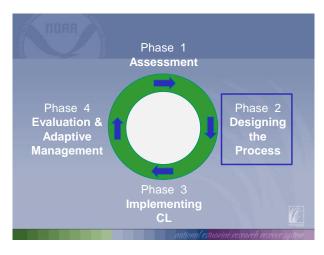








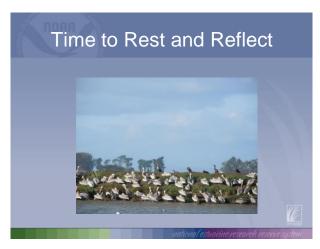


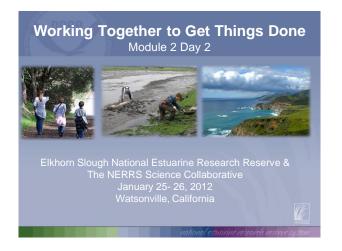








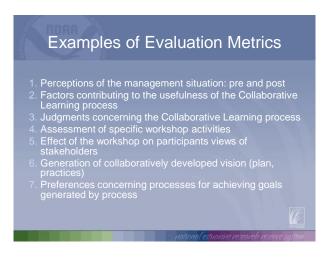


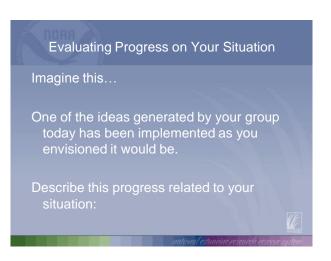


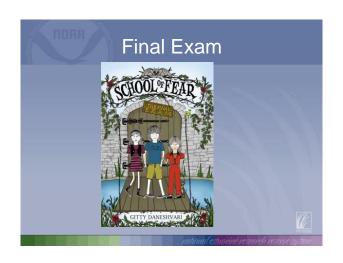


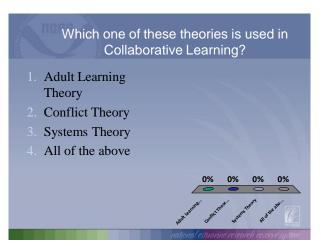


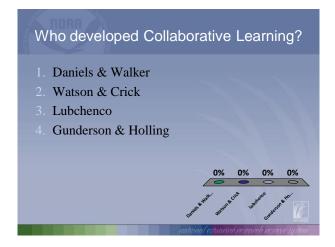


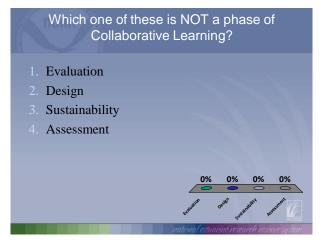


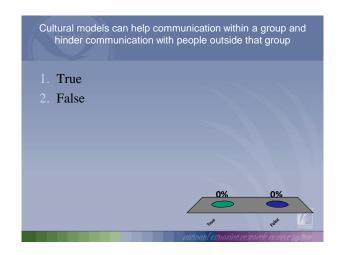


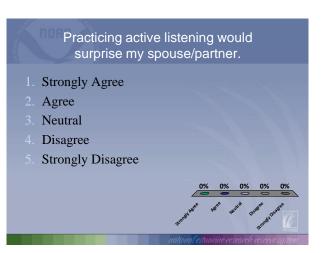


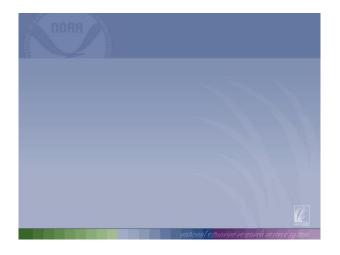


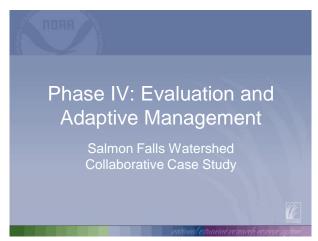


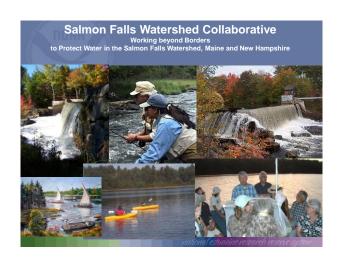


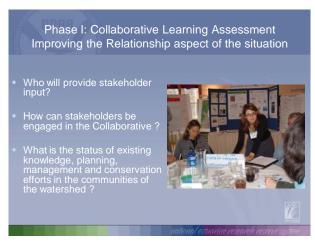




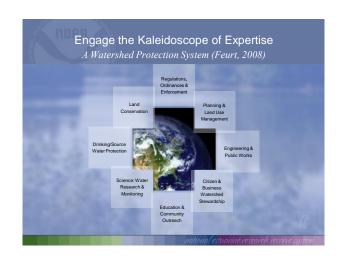












# Phase 2: Designing Collaborative Learning events to make progress developing an watershed action plan 1. Monthly Conference Calls 2. Basecamp to Manage Team Communication 3. Quarterly Face to Face Meetings 4. Field Based Trainings 5. Beyond Borders Workshop 6. Development of Action Plan 7. Professional and Community Outreach 8. Continue Professional Practice Evaluation as each event occurs to guide the progress on developing the action plan









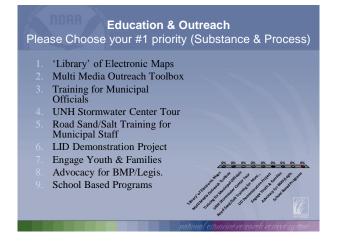




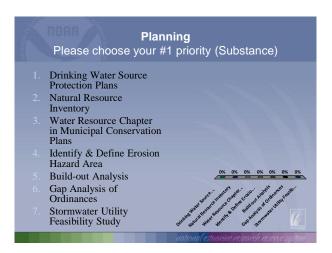






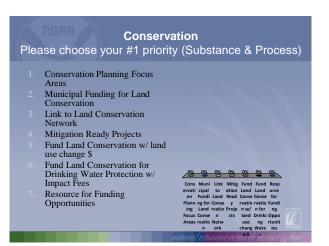


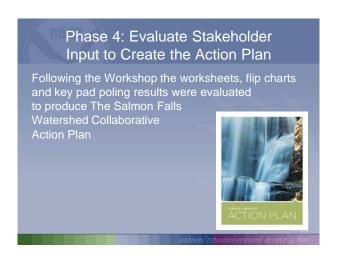


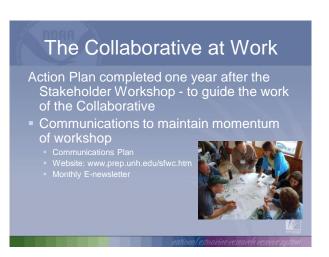


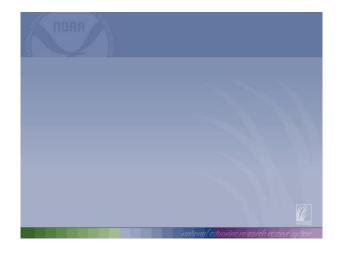






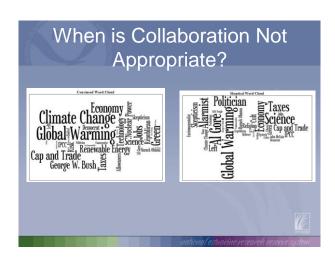




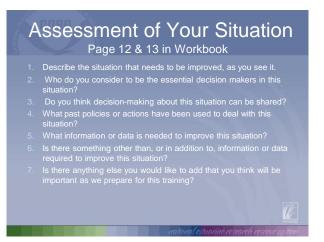




# Coastal Training Program facilitates group progress 1. Conference calls monitor progress on Action Plan 2. Manage Collaborative knowledge using BaseCamp 3. Water District Source Water Protection Tour 4. Salmon Falls Watershed Boat Trips 5. NH LID Road Trip "Sally and Annie's Excellent Adventure" Summer 2011 6. Maine LID and Restoration Road Trip Fall 2011 7. Water Words that Work Training 8. Forging the Link Training 9. Bi-annual face to face meetings to monitor progress, evaluate action items

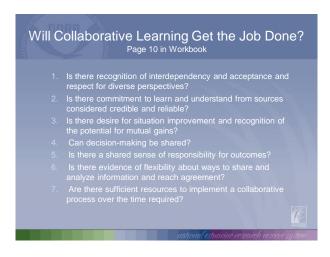


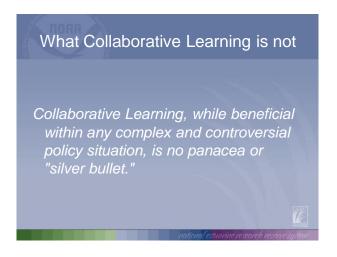




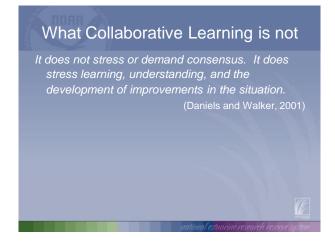


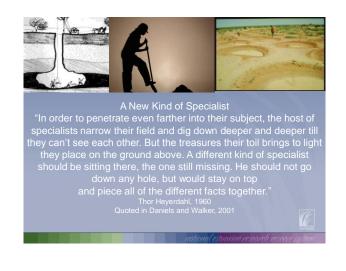






### What Collaborative Learning is not It is one of possibly many frameworks that can involve people in meaningful learning and discussion about challenging management and decision situations.











## Skillful Discussion: GENERATING High Advocacy High Inquiry pg 21 Skillful Discussion: Balancing advocacy and inquiry, genuinely curious, makes reasoning explicit, asks others about assumptions without being critical or accusing. Dialogue: Suspending all assumptions, creating a container in which collective thinking can emerge. Avoid Politicking: Giving the impression of balancing advocacy and inquiry, while; being close-minded



### Skillful Discussion: OBSERVING Low Advocacy Low Inquiry

<u>Sensing</u>: watching the conversation flow without saying much but keenly aware of all that transpires

<u>Bystanding</u>: Making comments which pertain to the group process but not to the content

Avoid Withdrawing: Mentally checking out of the room and not paying attention

### Skillful Discussion: ASKING Low Advocacy High Inquiry

- <u>Interviewing</u>: Exploring others points of views and the reasons behind them.
- <u>Clarifying</u>: what is the question we are trying to answer
- Avoid <u>Interrogating</u>: why can't you see that your point of view is wrong



### Remember: Although 'Knowledge is Power' The Co-creation of Knowledge is *More* Powerful

- Needs assessment determines relevance and roles
- Safety is key: physical, interactional, risks feel OK
- Respect for learners as subject of their own learning
- Learning by doing + self-reflection
- Reinforcement



### The Language of Collaboration

Collaborative Learning aims to manage the conflict and uncertainty in a situation by making progress through group generated ideas and actions that improve the situation