



- ## Topic #4: Top Ten Problems Facing Humanity
- Poverty, education
 - Population
 - Water, food, population
 - Food, water, economy, education, poverty
 - Education
 - Water, disease, education
- 
- A collage of four images illustrating global issues. The top-left image shows a group of children sitting together. The top-right image shows a young girl in a graduation cap and gown, smiling. The bottom-left image shows a cracked, dry earth with a glass of water placed on it. The bottom-right image shows a group of children sitting together.

Concept #1: *Local*

- Develop community buy-in
- Procure locally, but be aware of market effects
- Leverage local markets, mindsets, resilience
- Consult, consult, consult
- Public investment in individual preparedness



Concept #2: *Partnership*

- Pre-position relationships
- Plan how to cooperate, collaborate and communicate
- Reduce redundancies and inefficiencies through partnerships
- Standardize forms of communication among organizations
- Let people do what they are good at - but look for gaps



Concept #2: *Partnership* (challenges)

- NGOs often in competition and not collaboration
- Academia and practitioners do not yet understand each other
- Ownership, control and accountability



Concept #3: *Context*

- Cultural sensitivity, language, awareness, flexibility
- Gender and religious norms
- Common sense
- Creativity
- You need a touch of madness to do this job
- Learn on-the-job and by osmosis



Concept #4: *technologies*

- Electronic records and information management
- Multi-modal multimedia dissemination
- Barcodes
- Open source
- Dashboards
- Hand-held scanners and field data acquisition systems
- Social media platforms
- Crowdsourcing
- Decision support systems
- Mobile apps
- Viral messaging
- Ad-hoc wireless networks



Concept #4: *technologies*
(challenges)

- Not always reliable and can fail in disasters
- Need technologies robust when connectivity is intermittent
- No electricity
- Lack of technical capacity among partners
- Technologies suspect and single-failure learning



Concept #5: *tensions*

- Not problem of “efficiency” but multidimensional problem space
- Economies of scale
- Sustainability
- Donors, donors, donors (funds are not predictable, funders want to make a splash and optics drive decisions, what is needed is not what donors want to give you, funders are impatient)
- Speed of response versus cost
- Lack of local government capacity and policy constraints including customs and taxes
- Emergency response versus sustainable response; transition from response to recovery
- Education!
- Corruption along the supply chain
- Theory – practice gap
- Leadership
- Physical security



