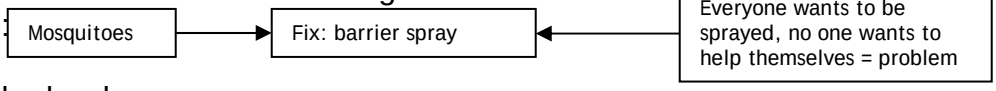
Systems Thinking in Mosquito-Borne Disease Prevention, Patricia Ferrao

a) Definition
   i) Understand reality
   ii) Emphasize relationships
b) Tools
   i) Causal loop diagrams
      (1) Visualize basic mechanisms
      (2) Mosquito-borne disease system
      (3) Helps to determine limiting forces
   ii) Archetypes
      (1) Behaviors
      (2) Relationships between program and influencing forces
      (3) Types
         (a) Fixes that backfire – solution no longer works
         (b) Example:



         (c) Shifting the burden
         (d) Limited resources
         (e) Accidental adversaries
   i) Points to a need for education and cooperation
c) Computer modeling
   i) Mapping and modeling forces of change
   ii) Overcome policy resistance
   iii) Look for triggers
   iv) Software - iThink
d) Need to understand systems and interrelationships