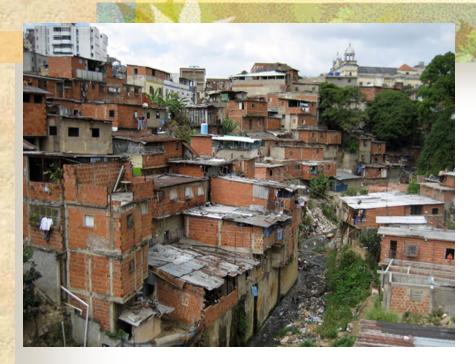
Engaging in Systems Change: Complexity and Collaborative Leadership



Communities Collaborating Institute – Sept 2010 Brenda Zimmerman, PhD Director Health Industry Management Program Schulich School of Business York University





Time is too short and things are too bad for pessimism.

Dee Hock

Despair to Intention

How can I make a difference in this complex system?

"Hope is not the conviction that something will turn out well, but the certainty that something makes sense, regardless of how it turns out."

Valclav Havel

Agenda

- Differentiating simple, complicated and complex
- Role of Inquiry in complex issues
- Reslience in social innovation
- Ecocycle Creative Destruction
- Transition traps

Simple Baking a Cake

Complicated A Rocket to the Moon



Simple

Baking a cake A Rocket to the Moon Raising a Child

ZThe recipe is essential

zRecipes are tested to assure replicability of later efforts

zNo particular expertise; knowing how to cook increases success

zRecipe notes the quantity and nature of "parts" needed

zRecipes produce standard products

Complicate.

zKNOWN

e recipe is essential

I-ollowing a Recipt

ipes are tested to re replicability of efforts

oarticular expertise; wing how to cook cases success

ipes produce lard products

tainty of same

- High level of expertise in many specialized fields + coordination
- Separate into parts and then coordinate
- Rockets similar in critical ways
- KNOWABLE



Complicated A Rocket to the Moon Raising a Child

- Formulae are critical and necessary
- Sending one rocket increases assurance that next will be ok



Following a Recipe

A Rocket to the Moon

Raising a Child

Complicated

The recipe is essential

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High level of expertise in many specialized fields + coordination

- Rockets similar in critical ways
- High degree of certainty of

- Formulae have only a limited application
- Raising one child gives no assurance of success with the next

 Expertise can help but is not sufficient; relationships are key

- Can't separate parts from the whole
- Every child is unique
- UNKNOWABLE

Simple Baking a Cake

- The recipe is essential
- •Recipes are tested to assure replicability of later efforts
- No particular expertise; knowing how to cook increases success
- Recipes produce standard products
- Certainty of same results every time
- KNOWN

Complicated Complex Rocket to the Moon

- Formulae are critical and necessary
- Sending one rocket increases assurance that next will be ok
- High level of expertise in many specialized fields + coordination
- Rockets similar in critical ways
- High degree of certainty of outcome
- **KNOWABLE**

Raising a Child

- Formulae have only a limited application
- Raising one child gives no assurance of success with the next
- Expertise can help but is not sufficient; relationships are key
- Can't separate parts from the whole
- Every child is unique
- **UNKNOWABI F**

Complex Issues

Uncertainty

- No definitive formulation of problem Lots of disagreement
- No end point
- Solutions are not true/false but good/poor
- Unique situations/contexts
- Relationship based can't isolate

Leadership Strategies

Minimize or reduce complexity?Absorb or embrace complexity?

When In The Zone Of... Complexity

Simple/Complicated

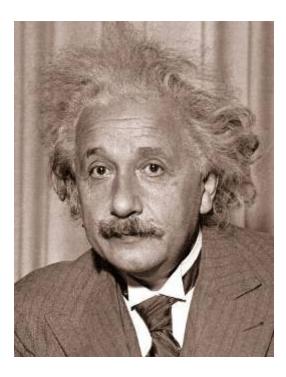
- Plan then act
- Aim for consistency Limit type of action (best practice) "Blueprints" Project Management

- "Act-learn" at the same time (tight feedback loops)
- Aim for "coherence"
- Multiple actions
- Min specs/simple rules
- Generative thinking AND Generative relationships
 - Inquiry –

Albert Einstein said...

"If I had an hour to solve a problem and my life depended on the solution, I would spend the first 55 minutes determining the proper question to ask."

Complex or wicked issues require more time in the inquiry phase AND we need to be more aware of our inquiry style



The role of "inquiry" in leadership

"... Human systems grow toward what they persistently ask questions about"

(Cooperrider and Whitney 1999, 10).

Categories of questions

Convergent vs. Divergent questions

 Data questions vs. Wicked questions (difference questions to reveal paradoxes and contradictions)

Problem solving (find the gaps) vs. appreciative inquiry (what works and why?)

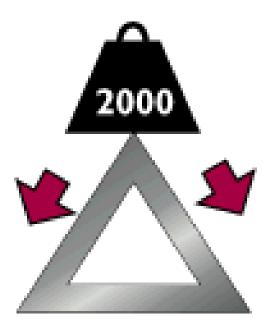
Wicked questions -examples

- How can we dramatically improve quality while drastically reducing costs?
- How do we work together when we all have different agendas?
- From Paul Born's book Community Conversations
 - How can we commit ourselves to be accountable for achieving measurable results, while at the same time staying open to the possibility that we may be measuring the wrong outcomes?

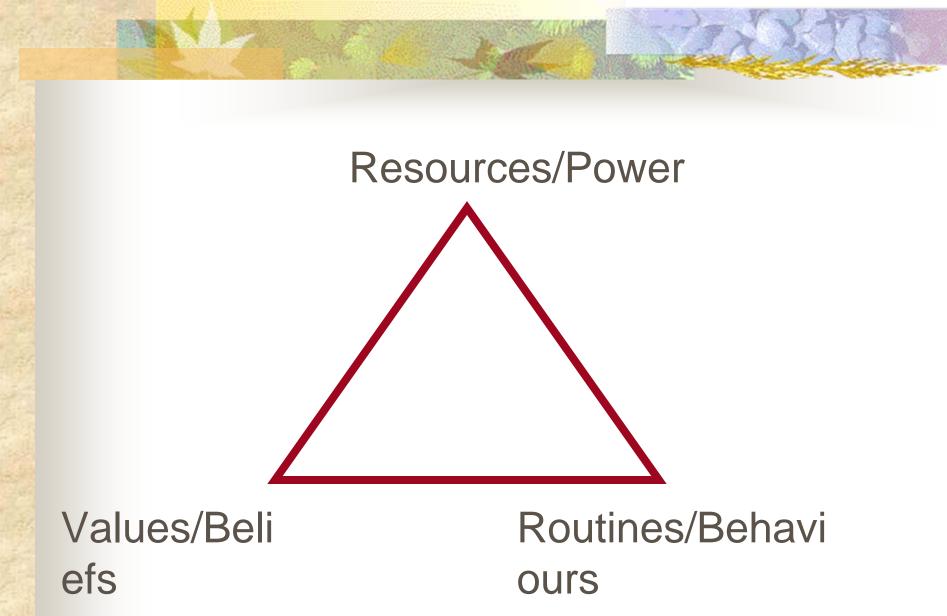


How Reslient are your Social Innovations?

Resilience of Triangles

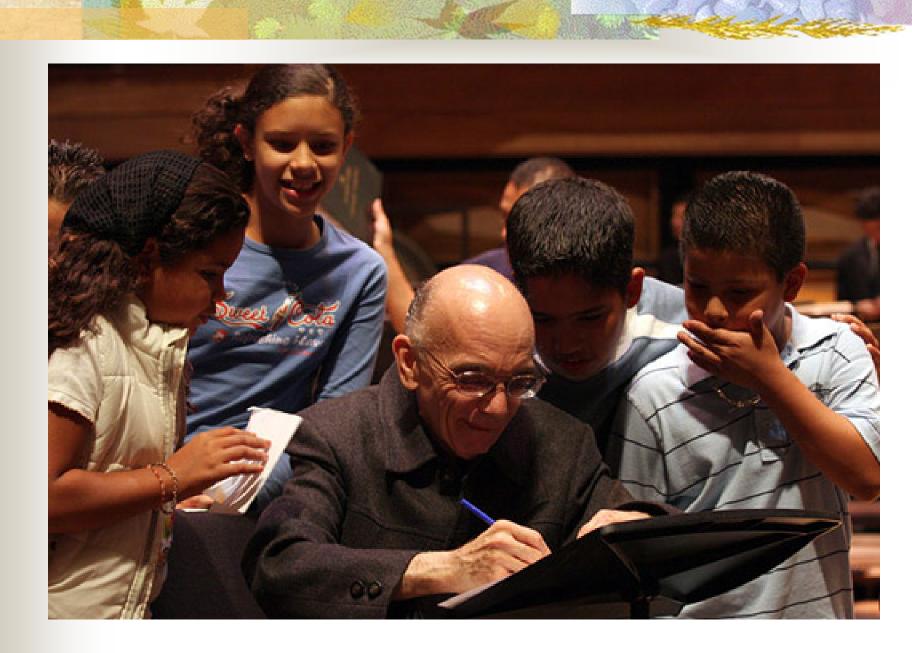


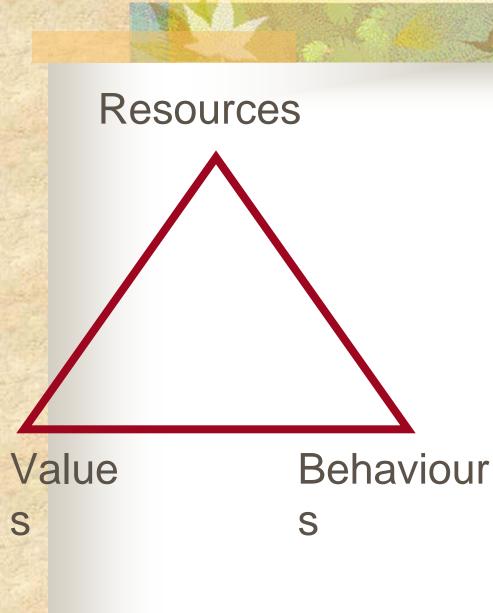




Adapted from Anthony Giddens' Structuration Theory









Adapted from Anthony Giddens' Structuration Theory







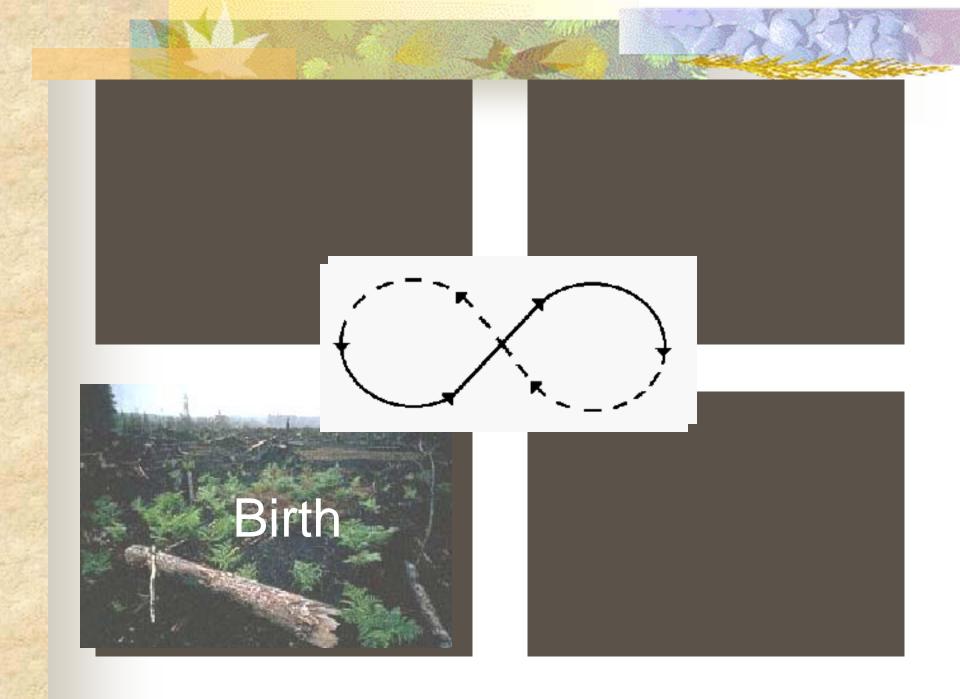












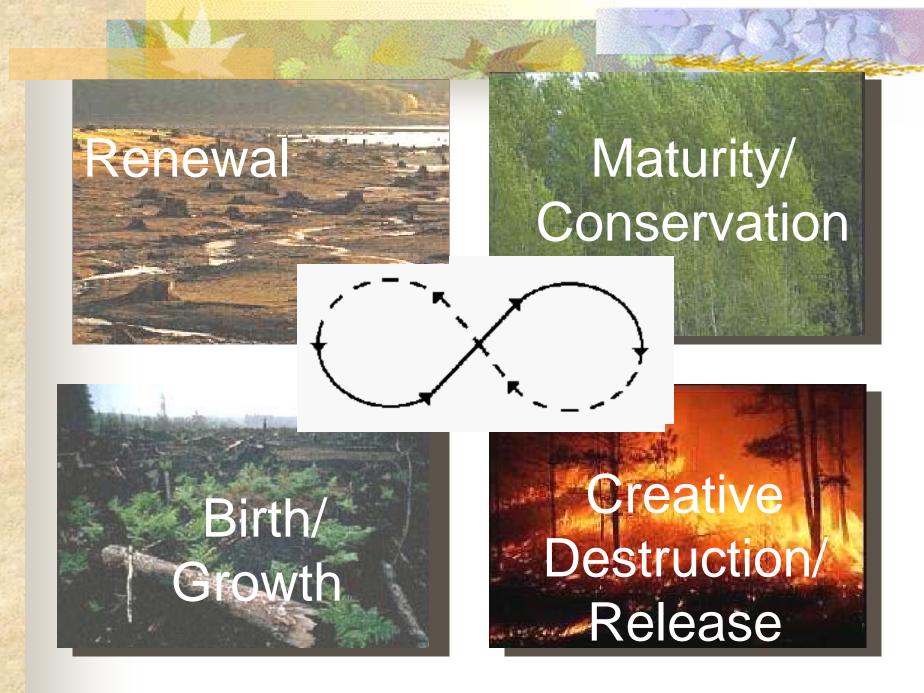
Conservation



Maturity/ Conservation

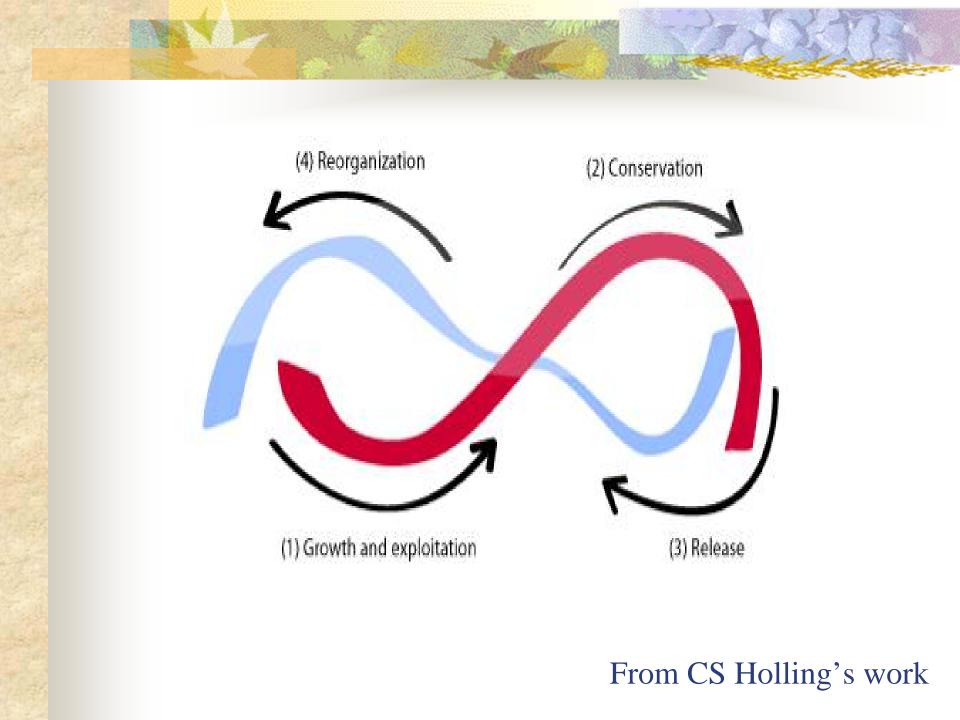
Birth/ Growth

Creative Destruction



Renewal/ Reorganization

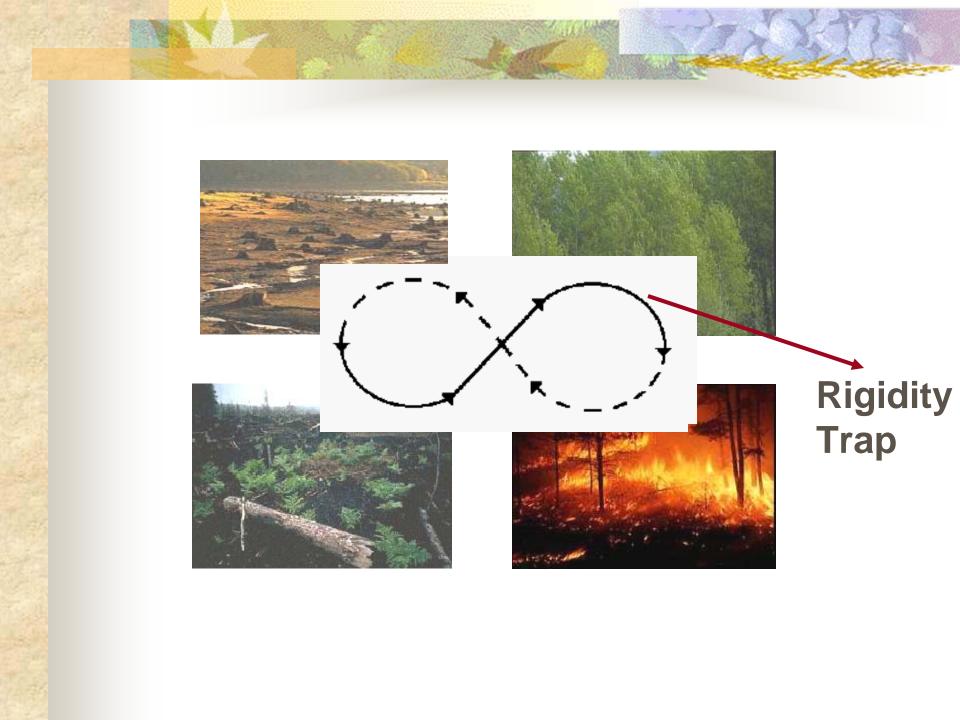
Creative Destruction/ Release

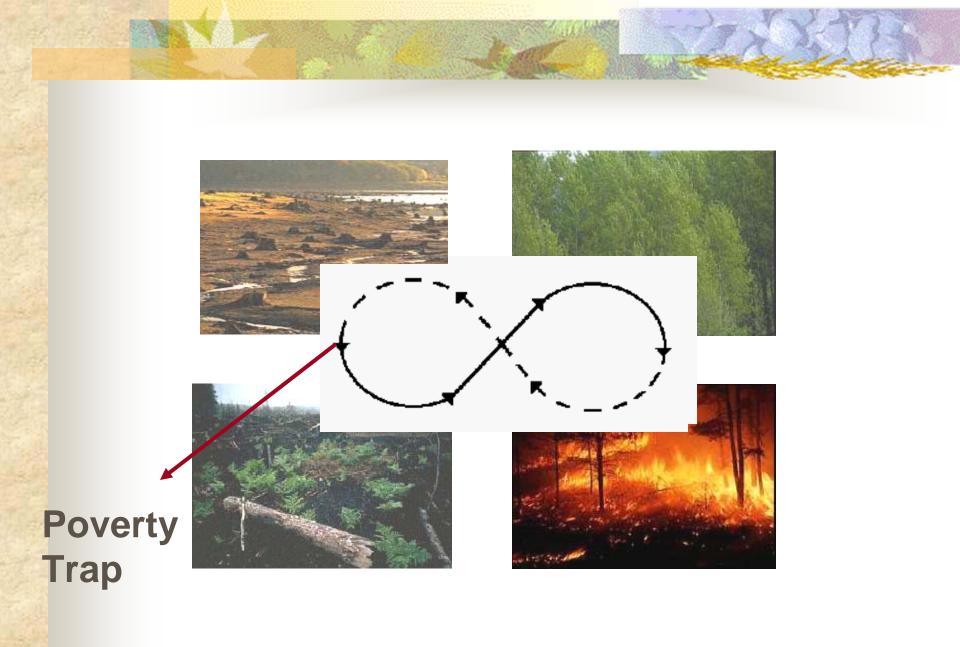


"We don't resist change. We resist transitions."

David Leach, MD, ACGME conference Sept '07

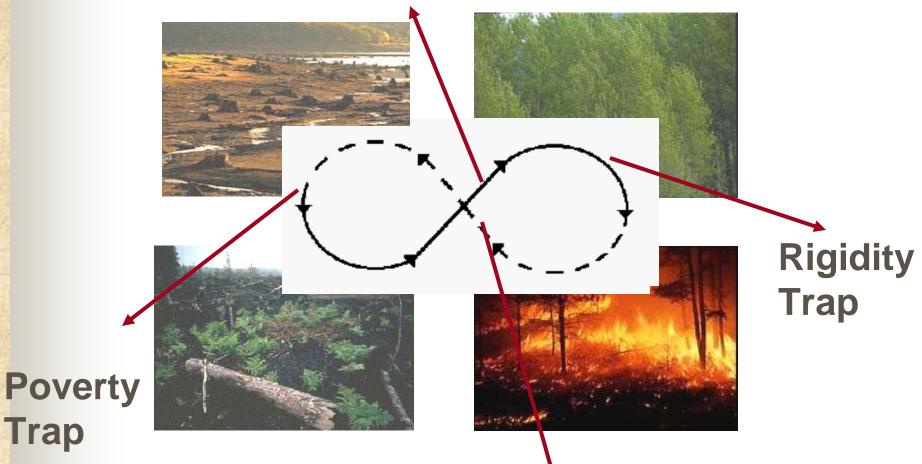
Resisting transitions is getting caught in traps.





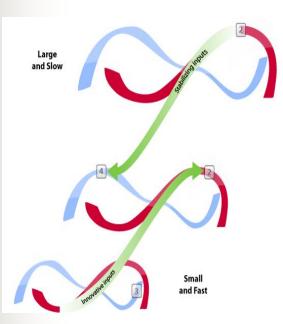
Parasitic or Charisma Trap

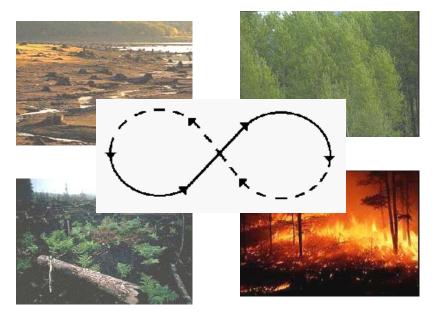
Trap

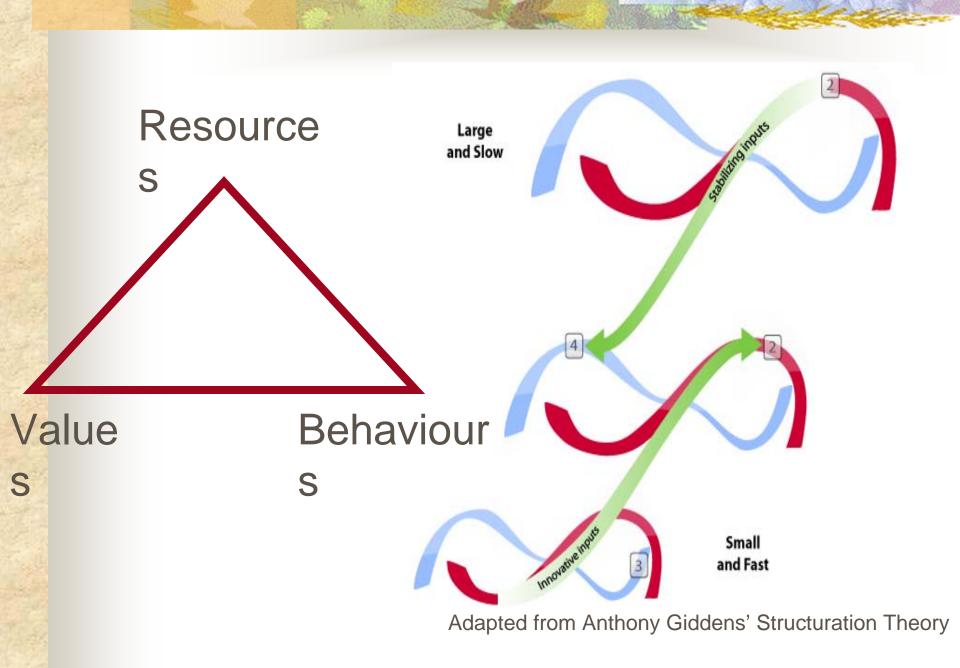


Chronic Disaster Or Despair Trap









Agenda

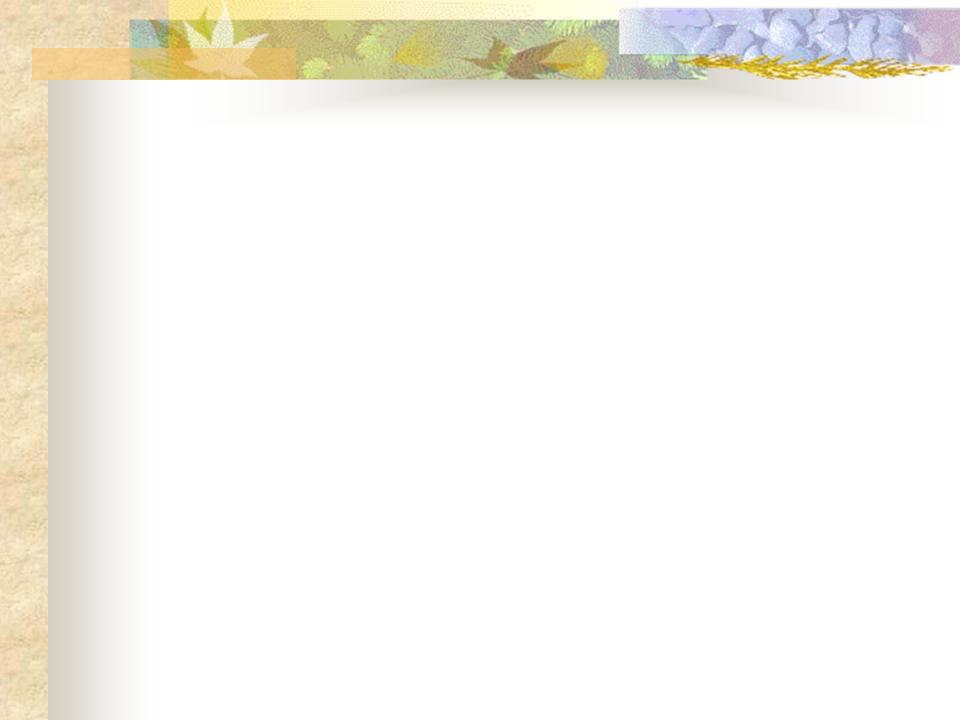
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- Role of Inquiry in complex issues
- Reslience in social innovation
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- Transition traps



"Stop trying to change reality by attempting to eliminate complexity."

David Whyte







Chapter 1 and 5 *Getting to Maybe*

The Brazil Case Study

annual per capita income is less than \$5000



 In the 1980s, Brazil's AIDS problem was worse than South Africa's

Today, South Africa's HIV infection rate is 20-25% and growing whereas Brazil's is 0.6% and stable

In 1992, World Bank study underestimated prevalence in Brazil Analysis is from Begun, Zimmerman and Dooley, 2002 2000 in every country except

The Brazil Complex Problem

- How do you respond to an AIDS epidemic in a developing country?
- No money for expensive drugs
 - problems of affordability of drugs
- A very iffy health care system
 - problems of treatment
- High levels of illiteracy
 - problems of compliance even if there were drugs
- High levels of poverty and hunger

problems of nutritional needs for drugs

And... it is a sexually transmitted disease

Making the Brazil Problem Complicated

- "What will drug costs be for our infected population?"
- "What resources are needed to manage drug therapies for illiterate patients?"
- "What resources are needed to assure compliance with drug associated nutrition in this population?"
- "What are the resources needed for an effective prevention program?"

World Bank Responds to AIDS as Complicated

- Meaningful solutions require sophisticated, integrated national health care systems
- We cannot provide treatment to all when the drug costs are so high
- We cannot afford resources to manage treatment compliance
- With our limited resources, we should focus more on prevention than treatment
- It will therefore take a long time for the problem to work itself through

The role of "inquiry" in system change

"... Human systems grow toward what they persistently ask questions about"

(Cooperrider and Whitney 1999, 10).



Brazil Implicitly Recognized the Complexity

- Began to address the AIDS issue head-on in 1994
- Were unwilling to accept the answers of the World Bank
- Hence had to change the questions...
 - Changing the questions changes the focus, changes what is "analyzed", changes what is seen as possible/impossible

The Brazil Questions Assume ComplexityWorld Bank QuestionsBrazil Questions

"What will drug costs be for our infected population?"

"How can we reduce costs so that we can provide treatment to all who need it?"

"What resources are needed to manage drug therapies for illiterate patients?"

"What methods of communication will work to convey the drug therapy routine to a patient – even a homeless, illiterate patient?"

The Brazil Questions

World Bank Questions

"What resources are needed to assure compliance with drug associated nutrition in this population?"

"What are the resources needed for an effective prevention program?"

Brazil Questions

- "If food is an issue, how can we ensure greater compliance with the routine by linking up with charities that can provide food at the right times of day?"
- "How can we achieve our prevention goals while treating all of those currently infected?"

The Brazil Conclusions

World Bank Conclusions

- Meaningful solutions require sophisticated, integrated national health care systems
- We cannot provide treatment to all when the drug costs are so high
- We cannot afford resources to manage treatment compliance
- With limited resources, focus more on prevention than treatment
- It will therefore take a long time for the problem to work itself through

Brazil Conclusions

- Find ways to use the resources we have to respond to the problem
- Provide drugs to all by finding ways to reduce drug costs
- Use our informal system to train people to care for themselves
- Prevention will be part of the treatment

The Brazil Responses

- A stable container: Brazil built on existing infrastructure (natural network existed)
 - A somewhat shaky health system of hospitals and clinics
 - Added to by 600 NGOs, churches (hubs)

Free drugs to all AIDS patients: faced down drug companies in pursuit of national interest

The Brazil Responses - cont'd

- Patients managed their own drugs
 Illiterate people were taught by local "trustworthy" folks (hubs were sought)
- Free treatment spread prevention ideas
 No labeling of those affected
 Prevention information readily available

Brazil saw the value in the relationships as the key to change

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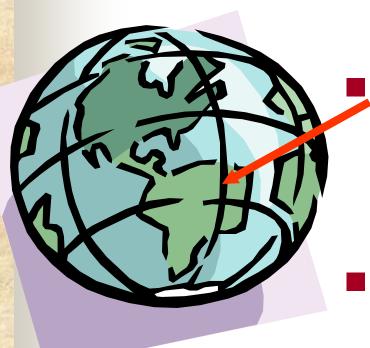
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The Brazil AIDS story - optimism



 COURAGE- to challenge WTO, USA, large pharmaceuticals, World Bank
 COMPLEXITY - lived with the complex nature of the society, and the AIDS problem

RELATIONSHIPS – used the power of existing relationships to learn and enhance their connectedness

Complicated Questions

- Data facts "white hat"
- Best practice

- Problem solving what isn't working and how to fix it
- Questions that let us plan first and act later

Brazil's Questions

- Assumed Abundance (and Complexity)
- Divergent (versus <u>Convergent</u>) questions
- Implicitly used Appreciative Inquiry looking at patterns that already work and getting leverage from that
- Focused on *relationships* key "unit" of analysis
 And they created *generative relationships*
- Used, rather than avoided, paradox (wicked questions)
 - "Min specs" or simple rules created coherence

- When you think about community transformation... what questions are typically asked?
- What types of questions are asked?
- What questions do you ask?

Sources

- Unless otherwise noted, the material from today was drawn from work by authored or co-authored by Brenda Zimmerman. Many of these are found at <u>www.change-ability.ca</u>
- The most recent version of the Brazil AIDS story is in "Getting to Maybe: How the World is Changed," by Westley, Zimmerman and Patton, Random House, 2006

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