Social Capital and Social Learning in a Basin Becoming Full

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Values (Indicators of Interest)

Causal Structure

Outputs

Outcomes

Indicators/Reporting

Well-being Measure

Data

Instruments

The “Black Box”
Grid/Group Dimensions and Solidarities

- High: Isolates, Hierarchy
- Low: Individualism, Egalitarianism

Grid (High) vs. Group (Low)
Fatalism: Nature is capricious
Hierarchy: Nature is capricious, Nature perverse/tolerant
Individualism: Nature is resilient
Egalitarianism: Nature is vulnerable
Intention, Interpretation, Action

- Citizen Involvement
  - In governance
- Citizen Engagement
  - In realization
- Citizen Agency
  - In both
Commitment Compliance Cycle

- Process of Policy Formation
  - Policy
  - Community Deliberation

- Process of Assessment of Outcome, Degree of Compliance, Evaluation
  - Correction Enforcement, etc.
  - Consequence

- Compliance
  - Coordination

- Consent
  - Mandate for Action

- Covenant
  - Commitment (Intent)

- Process of Refinement of Commitment (articulating intent)

- Protocol/Regulations

- Consent
  - Mandate for Action (Text)

- Contracts/Commissions

- Process of Delivery: Realization: Fulfillment
Lifeworld--Awareness and Assessment

Concerns (AGENDA)

Criteria, Directions, Needs

Consequences

Compliance (ACTS)
Citizen Involvement in the System--Forming Intent

Integration

Local Knowledge
Other Perspectives

Covenant
Commitment
(Intent)

“Inside”
Science into Policy

Concerns
(Agenda)

Community
Understanding
Citizen Involvement in the System--Creating Mandates

- Covenant
- Cohesion
- Consensus
- Commerce
- (INTENT)
- Coercion
- Freedom
- Negotiation
- Consent
- Mandate for action
- (TEXT)
Citizen Engagement in the Lifeworld--Delivery and Compliance

Alternative institutional structures, incentives bearing on individual action

Compliance

Contracts/Commissions

Coordination

Intergovernmental, interagency collaboration

Current Mandate for Action (TEXT)
We Must Distinguish …

- Citizen involvement in policy formulation FROM
- Citizen engagement in policy delivery.

THUS

Citizen agency means both …
- Capacity to participate effectively in governance, and
- Discretion in achieving compliance.
The Co-operator’s Dilemma

Individual decision reflecting incentive to pursue immediate self-interest (to defect)

Collective intention to pursue cooperative social interest

Consensus: Building community deliberations

Consequences: Enforcement, equity

Compliance: Acts

Coordination

“Cooperator’s Dilemma”
Social Capital

Reconciliation of the cooperative social optimum with individual self interest rests on:

- The perceived legitimacy of the process of formulating collective intentions
- Trust in the willingness of others to act according to the same rules
  or in other words ...
- An adequate stock of social capital
Scrutiny of compliance must consider:

- The intent of the work in the context when formulated
- The impact of the interpretation in the context when realized
  or in other words...
- Realization rests on an adequate foundation of shared values and community context
Coordination: Action

(beliefs driving action to alter the world)
Coordination: Recognition
(experience of the changing world to alter beliefs)
With these proposed frameworks, we might distinguish, roughly, dematerialization from resocialization. We can think of dematerialization as achieving reduced material throughput, or more generally achieving given social goals more effectively, through technological and institutional innovations, with given beliefs and values. (Slide 22)
We might think of ‘resocialization’ as the evolution of beliefs and values, or the process of influencing beliefs and values, or, in other words, as a process of social learning (which may include internalization of external constraints). (Slides 21 and 23)
Note that both beliefs and values are your own, but may be subjected to elements of reality testing.

Beliefs may be required to confront empirical evidence, subjected to varying degrees of testing and possibly refutation through observation (cf Popper, Kuhn, Lakatos);

Values may be subjected to tests of evolutionary fitness, with a search for evolutionarily stable strategies (cf literature on the evolution of cooperation, the evolution of social contract, the study of cellular automata in simulation of the role of trust, reciprocity or reputation in social relationships).
Note the interesting coincidence in interdisciplinary research: Dobell and Holling, starting from 1968 conf. Referring to the Ecological Frame (slide 6), we might see Holling’s work beginning from the outer ring (dynamics of the biosphere) and working into the centre; Dobell begins from the centre (dynamics of economic systems with multiple capital goods) and works out. Both finally focus on the institutional borderlands, with emphasis on the evolution of beliefs and values (figure 8 diagrams, Dobell straight up, Holling horizontal), within systems of tiered governance (panarchies).
Future Directions

With this focus, we might see three key components in community-based research or community-university research alliances:

- University: identifying, in social context, more focussed social concerns (values and belief systems; learning; institutional evolution)
- Community: moving from act to consequence (natural system); grounded theory
- Borderlands: moving from covenant to text, from intention to action, through social/institutional systems, across cultures.