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Relational values and valuation: challenges, and possibilities

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Relational Values and Valuation— Challenges, and Possibilities

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LEOPOLD LEADERSHIP PROGRAM Stanford Woods Institute for the Environment



SSEC Apr 6, 2018

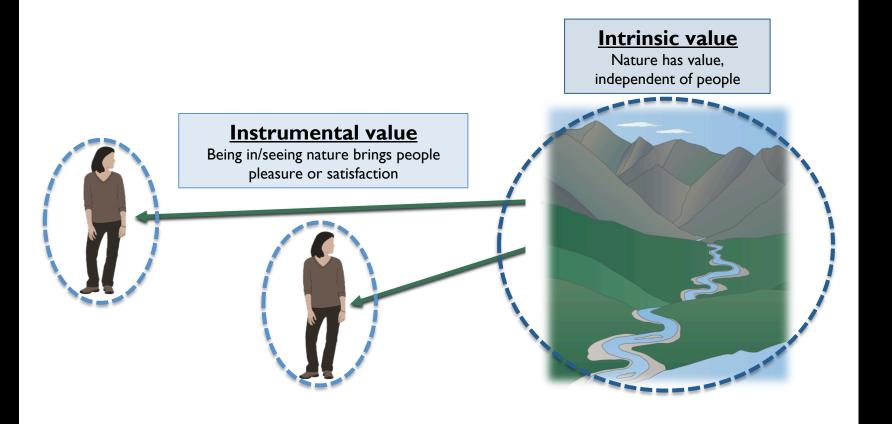
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Environmental Values: Lore

- I. Two kinds of environmental values: intrinsic, instrumental
- 2. Values are measures of things
- 3. Values are used to maximize well-being, e.g., in CBA
- 4. People are mainly motivated by instrumental values

The Instrumental/Intrinsic View



Chan et al. PNAS 2016

The Relational View

Relational values (involving the human collective)

Place is important to my people, to who we are as a people (Cultural identity) Being in nature provides a vehicle for me to connect with people (Social cohesion) Caring for ecosystems is crucial to caring for my fellow humans, present and future (Social responsibility) Caring for all lifeforms and physical forms is a moral necessity (Moral responsibility to non-humans)

Relational values (primarily individual)

This place is important to me, to who I am as a person (Individual identity) My care for this land fulfills me, helps me lead a good life (Stewardship eudaimonic) Keeping the land healthy is the right thing to do (Stewardship principle/virtue)

Intrinsic vs. Instrumental

The great divide

- Intrinsic: 'Old guard' conservation
- Instrumental: 'New' conservation (eco-services, etc.)

Relational values:

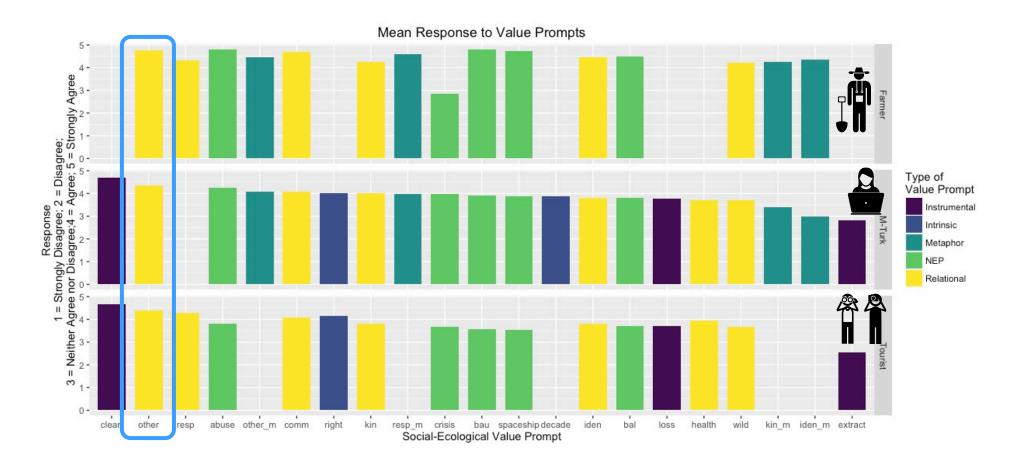
- Preferences, principles, and virtues associated with relationships
- May unite intrinsic and instrumental, e.g., sacred sites
- Central to IPBES

Environmental Values: Law I

- Two kinds of environmental values: intrinsic, instrumental NO. There are also *relational values*
- 2. Values are measures of things
- 3. Values are used to maximize well-being, e.g., in CBA
- 4. People are mainly motivated by instrumental values

Variable	Category	Statement	Population	Reverse code
abuse	NEP	Humans are severely abusing the environment	F, T, MT	n
bal	NEP	The balance of nature is strong enough to cope with the impacts of modern industrial nations	F, T, MT	у
bau	NEP	If things continue on their present course, we will soon experience a major ecological catastrophe	F, T, MT	n
crisis	NEP	The so-called "ecological crisis" facing humankind has been greatly exaggerated	F, T, MT	у
spaceship	NEP	The earth is like a spaceship with very limited room and resources	F, T, MT	n
comm	relational	There are landscapes that say something about who we are as a community, a people	F, T	n
health	relational	My health or the health of my family is related one way or another to the natural environment*	F, T	n
iden	relational	I have strong feelings about nature (including all plants, animals, the land, etc.) these views are part of who I am and how I live my life	F, T	n
kin	relational	Plants and animals, as part of the interdependent web of life, are like 'kin' or family to me, so how we treat them matters	F, T	n
resp	relational	How I manage the land, both for plants and animals and for future people, reflects my sense of responsibility to and so stewardship of the land	F, T	n
wild	relational	l often think of some wild places whose fate I care about and strive to protect, even though I may never see them myself	F, T	n
other	relational (responsibility)	Humans have a responsibility to account for our own impacts to the environment because they can harm other people	F, T	n
decade	moral	Humans have the right to use nature to meet our needs, even if this includes impacts that will take a decade or more to recover	MT	у
right	moral	Humans have the right to use nature any way we want	F, T	у
extract	instrumental (economic)	Natural resource extraction is necessary for countries to develop	F, T	у
clean	instrumental (health)	It is important to protect nature so we have clean air and water	F, T	n
loss	instrumental (use)	We can lose forests and wetlands, as long as we are keeping enough for the environment to function	F, T	у
		The forest/ocean and everything in is like**		
iden_m	metaphor	Something I identify with so strongly that it makes me me	F, MT	n
kin_m	metaphor	Forest and everything in it: a family of which I am very much a part	F, MT	n
other_m	metaphor	A world we must care for so that any damage doesn't also	F, MT	n

Relational Values Resonate



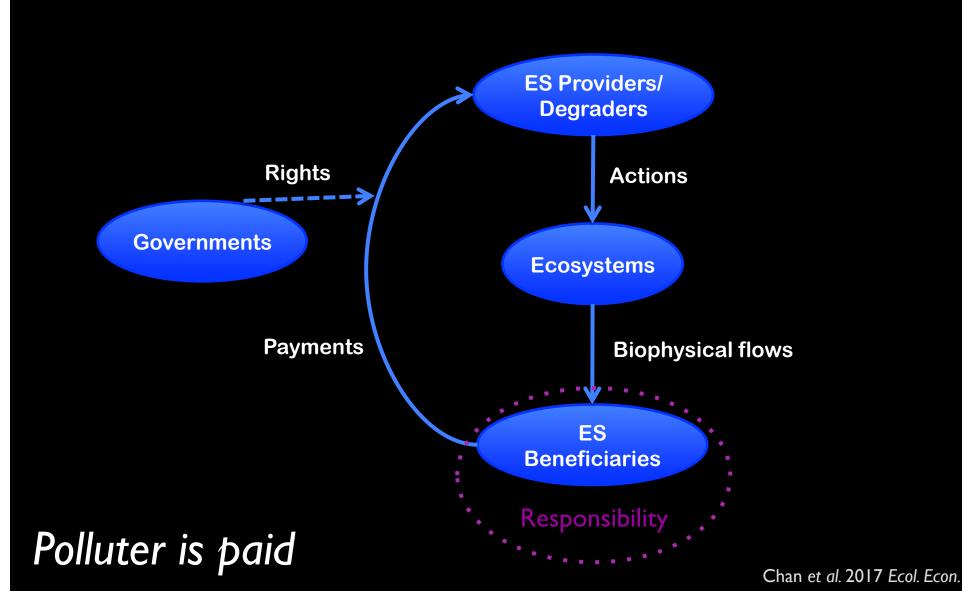
"Other": Humans have a responsibility to account for our own impacts to the environment because they can harm other people

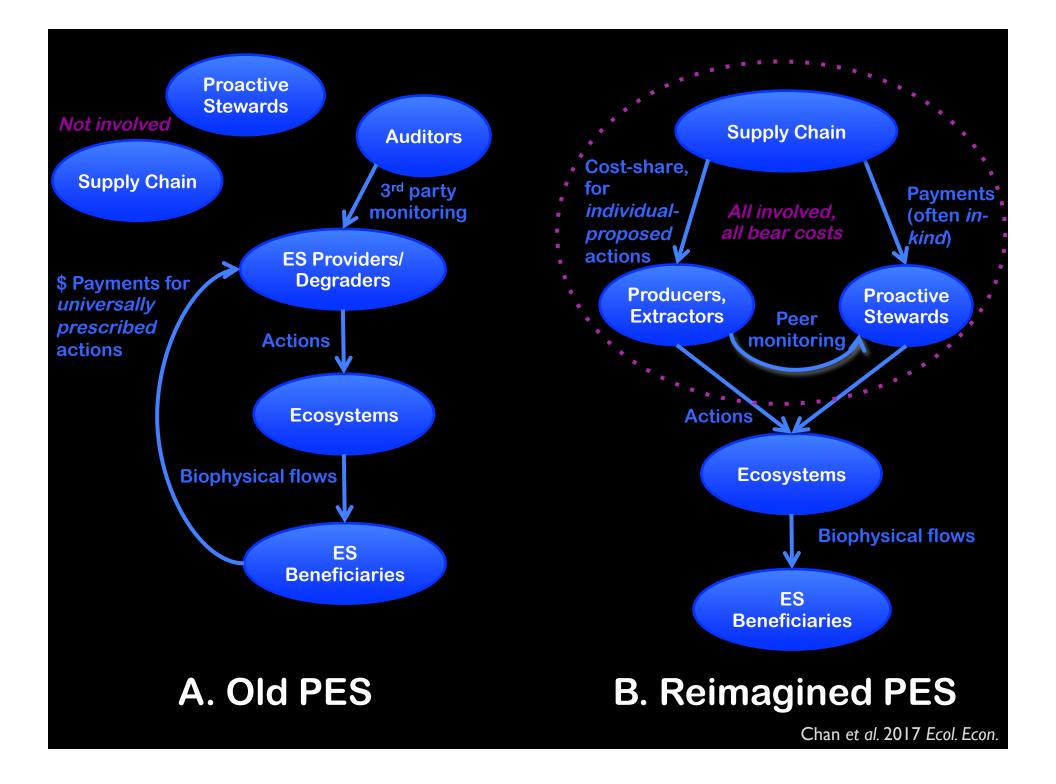
Klain, Olmsted, Satterfield & Chan 2017 PLOS ONE

Values: Law 2

- Two kinds of environmental values: intrinsic, instrumental NO. There are also *relational* values
- 2. Values are measures of things ... or statements about things (e.g., desired relationships)
- 3. Values are used to maximize well-being, e.g., in CBA
- 4. People are mainly motivated by instrumental values

2. Misplaced Rights & Responsibilities





Values: Law 3

- Two kinds of environmental values: intrinsic, instrumental NO. There are also *relational* values
- 2. Values are measures of things ... or statements about things (e.g., desired relationships)
- 3. Values are used to maximize well-being, e.g., in CBA ... or to determine appropriate institutions & policies
- 4. People are mainly motivated by instrumental values

Motivations

Instrumental values only one moral dimension



- Actually, 5 moral foundations: purity/sanctity, authority/respect, in-group/loyalty, fairness/ reciprocity, and harm/care*
- In practice, all 5 are largely relational

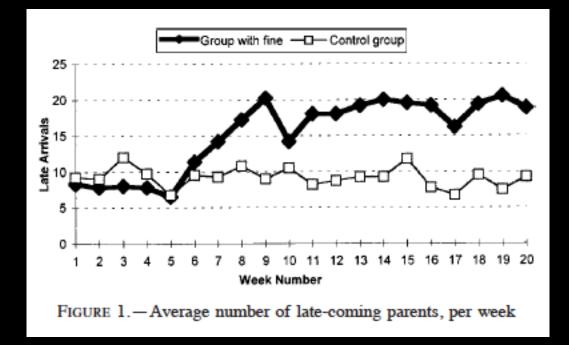
*Haidt 2007 Science

Relational Values

Prominent across a wide swath of humanity:

- Classic (e.g., Aristotelian)
- Contemporary Western
- Indigenous (e.g., Tsawalk, Sumak kawsay)
- Feminist (e.g., care ethics)
- Eastern philosophies (e.g., Confucian, Buddhist)

3. Motivational Crowding Out



Money breeds mercenaries

Gneezy & Rustichini 2000 "A fine is a price" Chan et al. 2017 Ecol. Econ.

$\mathsf{PES} \xrightarrow{} \mathsf{Auctions} \xrightarrow{} \mathsf{Awards}$

- "Land steward: How can we help you do more?"
- Reward stewardship, not an output
- 2. Steward is paid
- 3. Co-pay to crowd *in* intrinsic motivations
- 4. Forget ss-additionality: focus on value change
- 5. Honour code & peer monitoring?
- 6. Impact offsets / User fees for nature
- 7. Inspire agency

Values: Law 4

- Two kinds of environmental values: intrinsic, instrumental NO. There are also *relational* values
- 2. Values are measures of things ... or statements about things (e.g., desired relationships)
- 3. Values are used to maximize well-being, e.g., in CBA ... or to determine appropriate institutions & policies
- People are mainly motivated by instrumental values NO. And relational values present great opportunities

Acknowledgements

Terre Satterfield PNAS coauthors CHANS lab, particularly Paige Olmsted, Sarah Klain

CHANS = Connecting Human and Natural Systems









Questions?

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References

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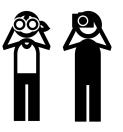
Empirics

- I. Do strong relational values statements resonate?
- 2. Do such statements correlate, as a single construct?
- 3. Do relational values resonate in the same way as intrinsic or instrumental values, etc., or differently?

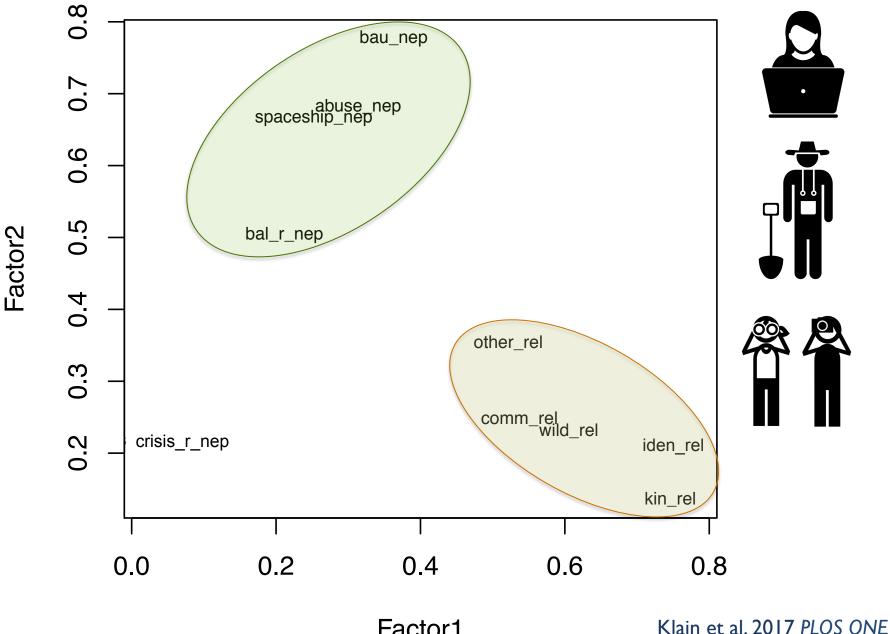
Methods

- Included various value statements in surveys of ...
 - 400 M-Turkers in NE USA (online)
 - 253 farmers in Costa Rica (paper)
 - 350 tourists in Costa Rica (paper)
- Analyzed via PCA, factor analysis



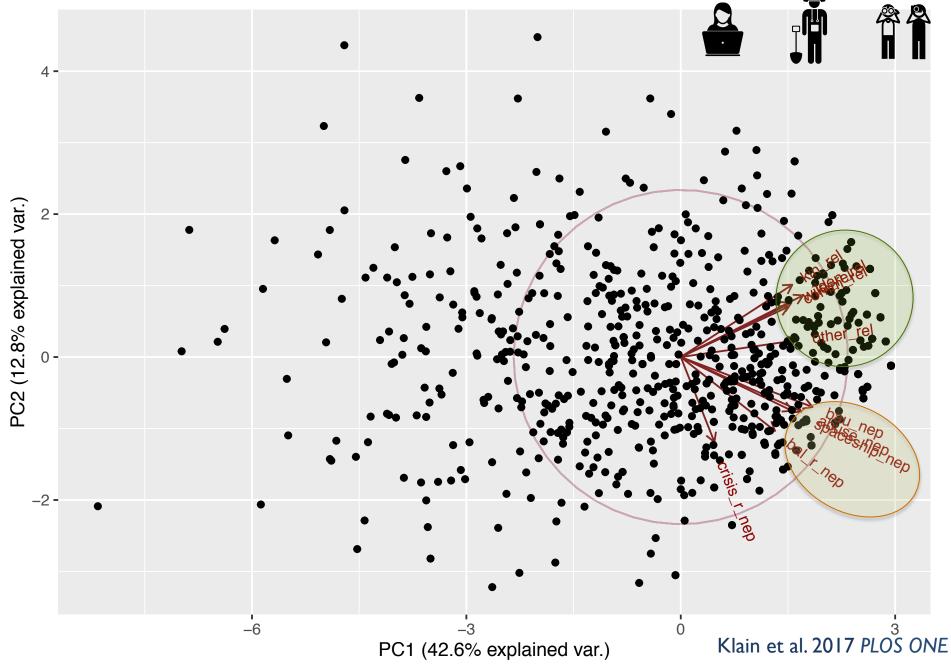


Relational vs. NEP: People respond differently



Factor1

Relational vs. NEP: People respond differently

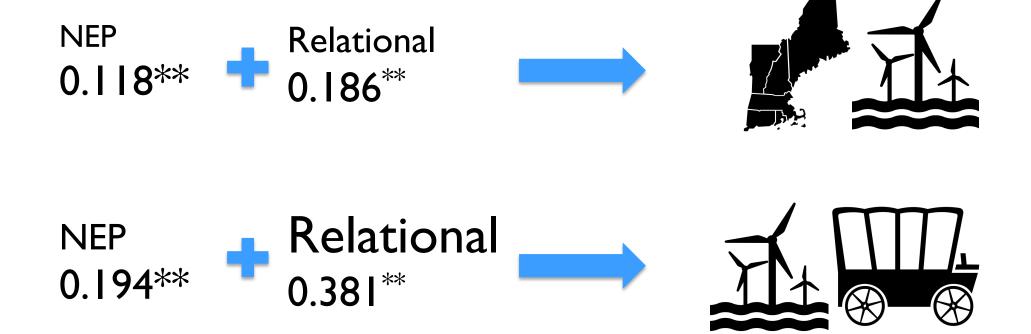


Empirics: Discussion

- I. Do strong relational values statements resonate? Yes!
- 2. Do such statements correlate, as a single construct? Yes
- 3. Do relational values resonate in the same way as intrinsic or instrumental values, etc., or differently? Differently
- A new values paradigm?
- At the very least, some new leverage.

Relational values help explain attitudes re: wind farms

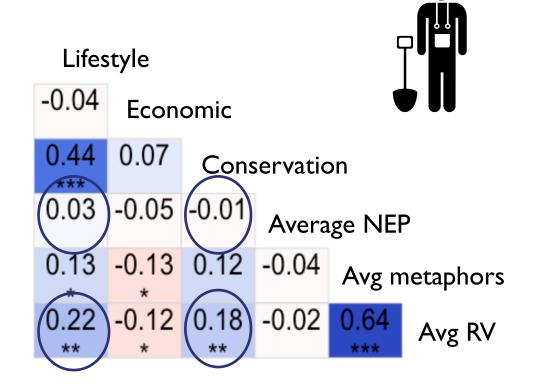




Klain, Satterfield & Chan in review

Farm attitudes align with RVs, more than NEP

- Lifestyle, economic and conservation attitudes
- Relational values correlated positively to lifestyle and conservation attitudes and negatively to economic attitudes
- NEP did not correlate to any of the attitudes



Olmsted, Satterfield & Chan in prep

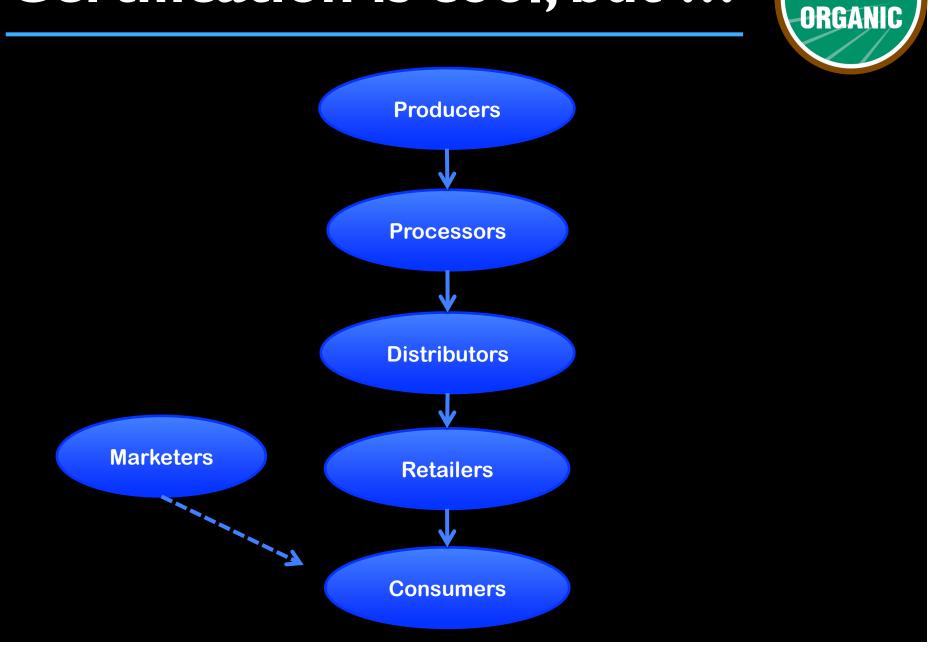
Discussion

- Are ES our instrumental use of instrumental values for intrinsic value protection?
- Calculation/depiction of instrumental values is rarely the route to lasting conservation
- ... And it brings its own relational baggage
- So, don't employ ES without considering relationships and values—existing and desired

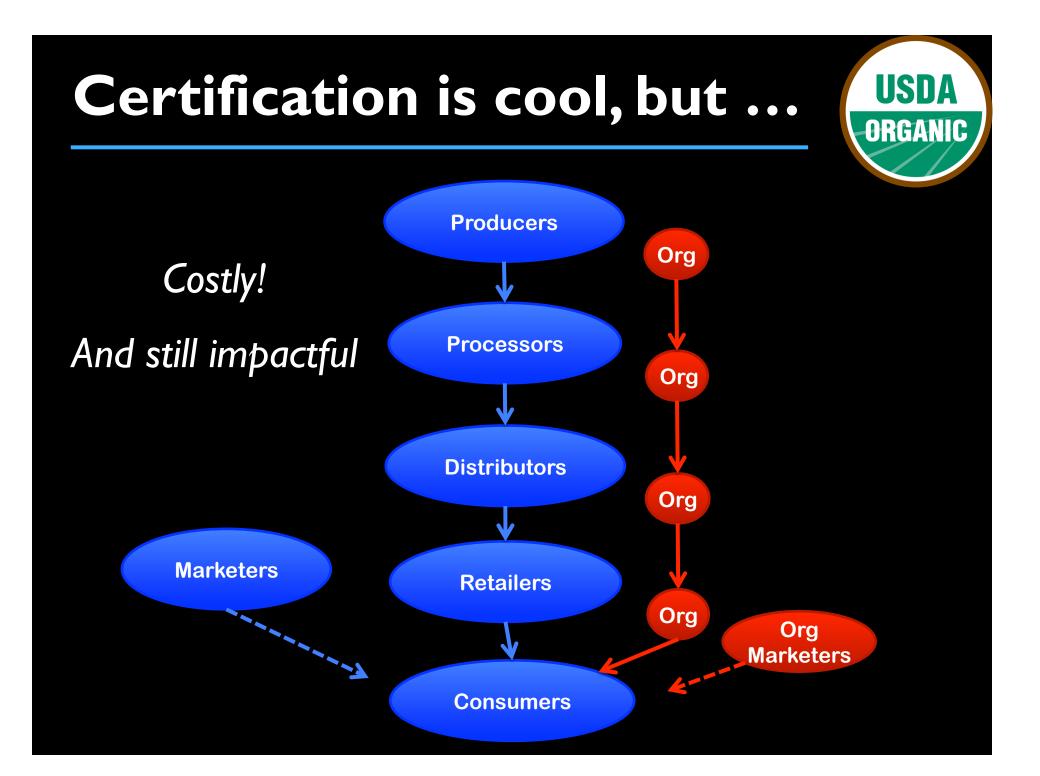
Discussion

- The domination of intrinsic & instrumental values is based on myths
- Relational values are broadly motivating, central to ES and to well-being
- It's time to engage directly with relational values, actively bolstering and fostering ones consistent with conservation

Certification is cool, but ...



USDA



E.g., Ocean-Positive (O+)

Connect consumer/retailer concern to actions that do good, linked to but de-coupled from the product

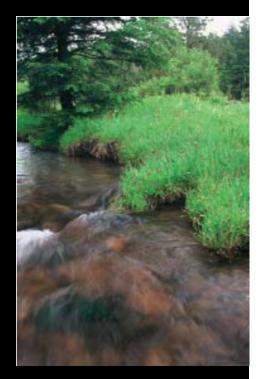


E.g., Project Beef

Connect consumer concern to actions that do good, linked to but de-coupled from the product







Fitch, Adams and O'Shaughnessy 2003, Riparian Areas and Grazing Management

Stewardship Bonds

