

All pieces of time are not equal...

Can we identify interesting times where many things come together? Thresholds?

How can you tell when human systems move to a new state?

Has information influenced the human state, affected the way they interact with the land?

Societies develop strategies for dealing with environmental variability. What happens when the variations move beyond the range of human memory?

Under social systems do the environmental bounds become more hard wired (less resilience) and make it more difficult to adapt. The society becomes set up for destabilization.

Specialization implies vulnerability?

The rate at which most species evolve to a new system is slow, but humans are much more adaptable.

Sustainability, survivability... Are there commonalities among historic and contemporary societies... Are there commonalities across arctic and temperate societies?

Perception of risk?

Technology is mitigating the forces of change, whether it is snowmachines or harpoons...

Certain technology may make the system more vulnerable...

Technology is like a forcing function, it may mitigate or exacerbate.

In terms of adaptive capacity

- Political capacity
- Technology
- Culture
- Economic capacity
- Environmental flexibility (??)

Deployable capital is different than natural capital.

- Culture is a range of options
- Economic
- Political

What models can we build to integrate human dimensions research with other research activities.

Does the state of connectedness of a village relate to the stability?

- Migration
- Adaptation
- Resource limitations
- Flow of information
- Infrastructure development
- Food Security
- Resilience
- Sustainability
- Vulnerability

Compare connectedness internal to a society and to external societies.

Sustainability must be defined across space and time...

Uniqueness of the Arctic

Cold

Need a lot of food, but food is variably available.

Agriculture is marginal

Water availability is limited

Hunting culture required a higher technology

Rich seas/poor land

Complex societies are built on resources that have some annual availability.

Conjunctions Serendipity or Bad Luck?

When the technology for securing food changes, there is a change in state for the people?

What are the ranges on reasonable extremes in technology, infrastructure capabilities, economic? May provide an assessment of reasonable options...

Seasonality, changes in seasons, changes in rates...

Harvest periods

Vision and perspective may enable a society to develop an adaptive strategy.