

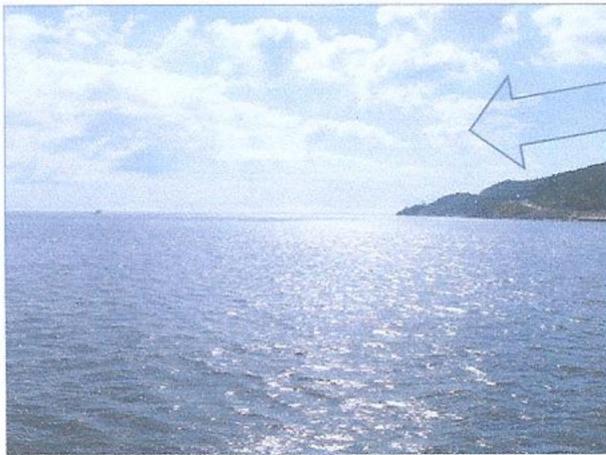
Coastal Communities and Ecohealth

Nancy Doubleday¹ and Fikret Berkes²

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1. Ecohealth is about ecosystems and human health, and sometimes about the health of ecosystems. It is often described using keywords like “population health”, “epidemiology”, “emerging diseases”, and “chemical contaminants”, but to us relying on medically based descriptors seems to narrow a complex area of inquiry prematurely. Some of our formative experiences in ecohealth were with the Northern Contaminants Program (mainly Northwest Territories) and the James Bay area (Quebec), so we know that **the health of the land and waters is seen by indigenous peoples to be closely linked with human health and community health.**



2. This idea is relevant not only for indigenous people; it applies also for example to people of coastal areas, bays and estuaries, and lakes and rivers. Analytically, we are dealing with integrated human-environment or social-ecological systems, those that include social (human) and ecological (biophysical) subsystems in a two-way feedback interaction.

3. One implication of such a social-ecological systems approach is that we need to look at feedbacks both ways and not only at the impact of the environment on health.

A second implication is that we can no longer keep **research and policy for the environment separate from human health.**

4. The two need to be considered together, but very few studies do this.

Our broader objective is to **start a dialogue investigating a more comprehensive concept of ecohealth.**

5. KEY QUESTIONS:

If “ECOHEALTH” is MORE THAN biomedical science, what is it?

Does it include livelihoods, entitlements and access to resources? Community health and resilience?

Does it include “sense of place” and therapeutic landscapes? Social connectivity, reciprocity, and social capital?

But if ecohealth is everything, it is nothing. So what are the really important components of ecohealth? One way to investigate this is to begin by asking people what they consider as the key dimensions of ecohealth, and this is our starting point. The long term need is then try to incorporate these considerations into initiatives and policies that consider health and environment together.

Please join us for an initial conversation!

Monday, June 27 @ 4:30PM in The Secunda Boardroom, 4th Floor, Sobeys Building.

Coastal Communities and Ecohealth

Nancy Doubleday and Fikret Berkes

Ecohealth is about ecosystems and human health, and sometimes about the health of ecosystems. It is often described using keywords like “population health”, “epidemiology”, “emerging diseases”, and “chemical contaminants”, but to us relying on medically based descriptors seems to narrow a complex area of inquiry prematurely. Some of our formative experiences in ecohealth were with the Northern Contaminants Program (mainly Northwest Territories) and the James Bay area (Quebec), so we know that the health of the land and waters is seen by indigenous peoples to be closely linked with human health and community health. But this idea is relevant not only for indigenous people; it applies also for example to people of coastal areas, bays and estuaries, and lakes and rivers. Analytically, we are dealing with integrated human-environment or social-ecological systems, those that include social (human) and ecological (biophysical) subsystems in a two-way feedback interaction. One implication of such a social-ecological systems approach is that we need to look at feedbacks both ways and not only at the impact of the environment on health. A second implication is that we can no longer keep research and policy for the environment separate from human health. The two need to be considered together, but very few studies do this. Our broader objective is to start a dialogue investigating a more comprehensive concept of ecohealth. If it is not merely biomedical science, what is it? Does it include livelihoods, entitlements and access to resources? Community health and resilience? Does it include “sense of place” and therapeutic landscapes? Social connectivity, reciprocity, and social capital? But if ecohealth is everything, it is nothing. So what are the really important components of ecohealth? One way to investigate this is to begin by asking people what they consider as the key dimensions of ecohealth, and this is our starting point. The long term need is then try to incorporate these considerations into initiatives and policies that consider health and environment together.

Brief Abstract re registration page

Ecohealth is about ecosystems and human health, and sometimes about the health of ecosystems. It is often described using keywords like “population health”, “epidemiology”, “emerging diseases”, and “chemical contaminants”, but to us relying on medically based descriptors seems to narrow a complex area of inquiry prematurely. Some of our formative experiences in ecohealth were with the Northern Contaminants Program (mainly Northwest Territories) and the James Bay area (Quebec), so we know that the health of the land and waters is seen by indigenous peoples to be closely linked with human health and community health. But this idea is relevant to people of coastal areas, bays and estuaries, and lakes and rivers as well. Analytically, we are dealing with integrated human-environment or social-ecological systems, those that include social (human) and ecological (biophysical) subsystems in a two-way feedback interaction. The same approach is needed in policy development.

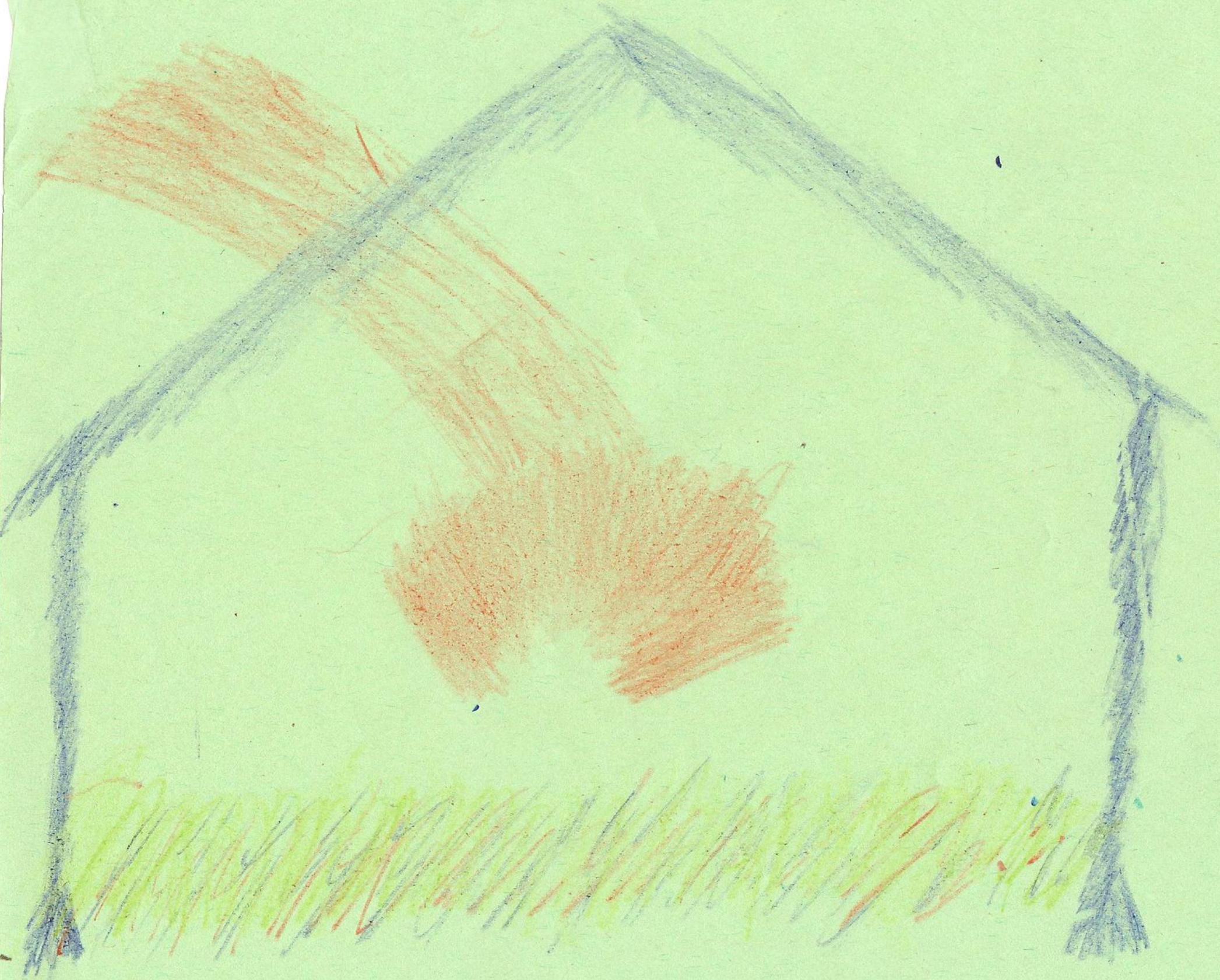
One implication of such a social-ecological systems approach is that we need to look at feedbacks both ways and not only at the impact of the environment on health. A second implication is that we can no longer keep research and policy for the environment separate from human health.

Please join us! for a conversation on
ecohealth!

When? Monday, June 27 @ 4:30 pm

4:40 - 5:30 PM

Where? The Secunda Boardroom,
4th Floor, Sobeys Building



ECO - HEALTH

Home \cong Environment $\left\{ \begin{array}{l} \text{Ecosystem / Biophysical / Human} \\ \text{Biological / Social} \\ \text{Spirituality / Happiness} \end{array} \right.$ in Nature

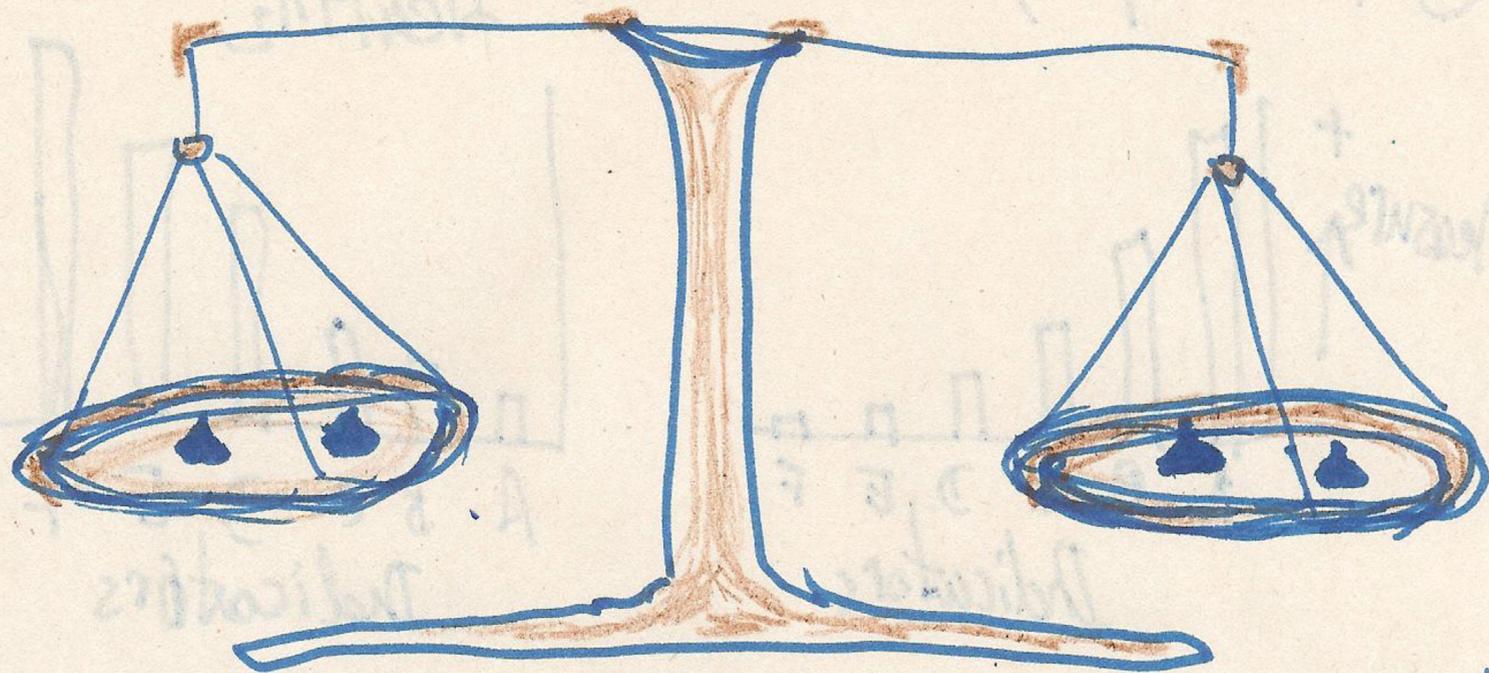
I WILL TRY PROTECT

OUR PLANET FOR MY

GRAND KIDS FUTURE

I AM RESPONSIBLE

HUBERT SAULNIER



What is the difference between: ↙ indicators

$Health_1(\cdot)$ and $Health_2(\cdot)$?

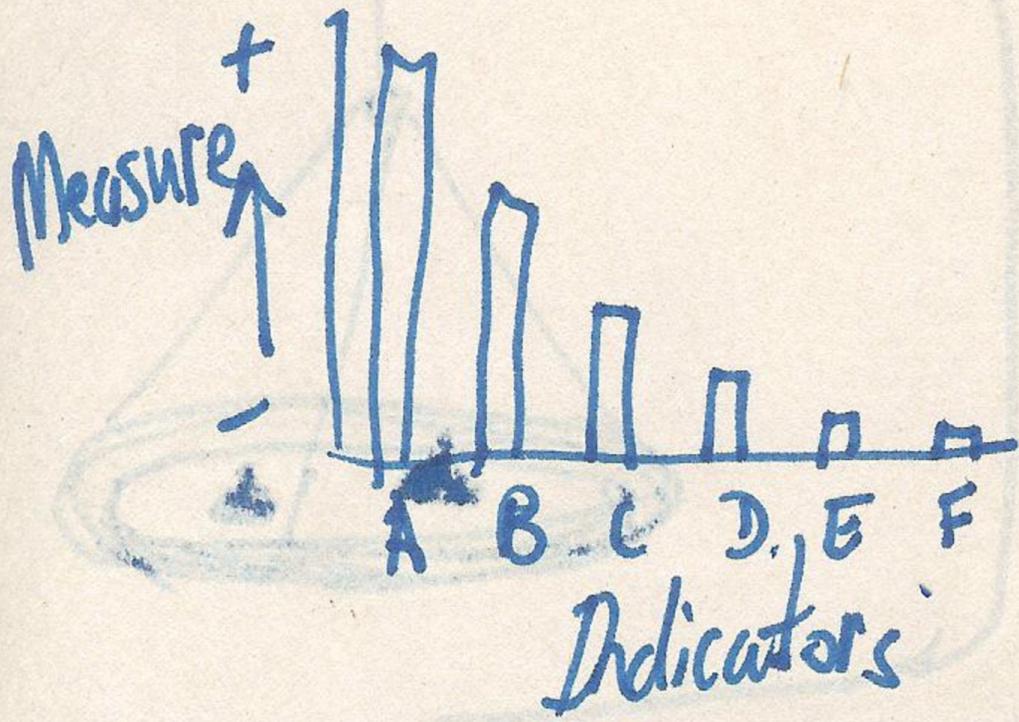
Can we say (in general terms - using appropriate Quantitative & Qualitative indicators) that

$Health_1(\cdot) \prec Health_2(\cdot)$

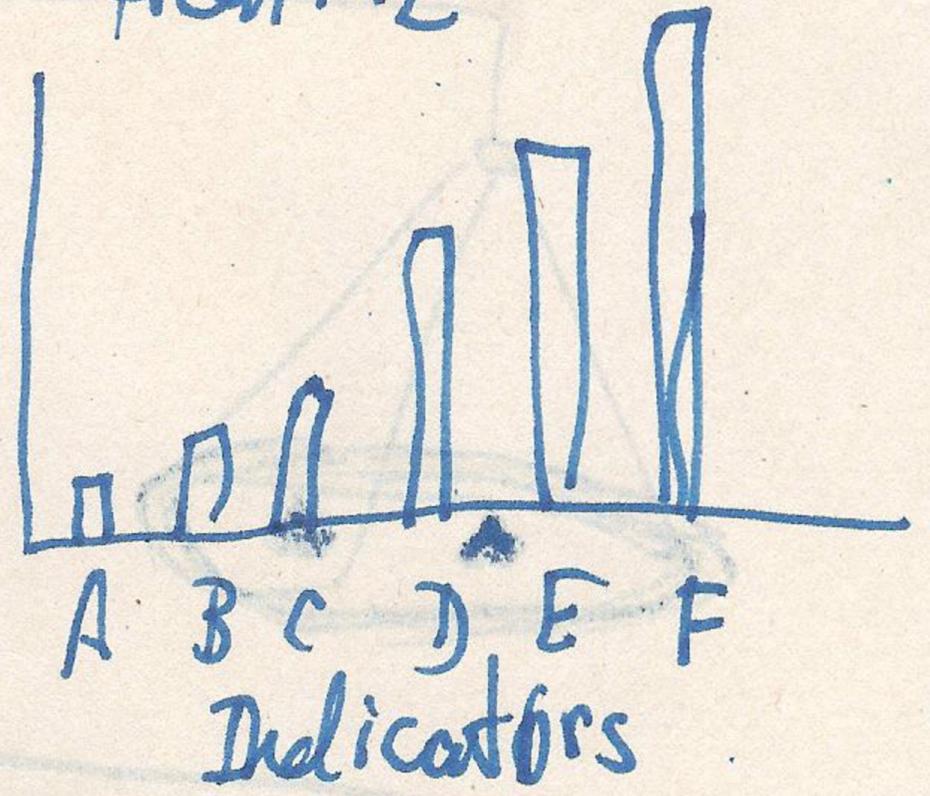
i.e. $H_1(\cdot)$ 'is preferred' to $H_2(\cdot)$?

If the answer is 'No', then we should stop trying to make the comparisons - the "functions" are not functions that can be objectivized.

① Health₁(.)

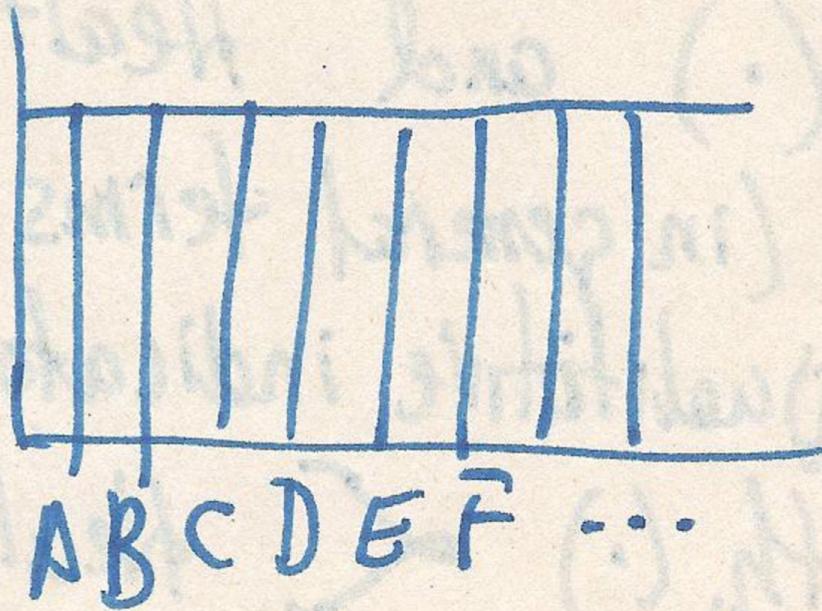


Health₂



VS

"Balance" ? →



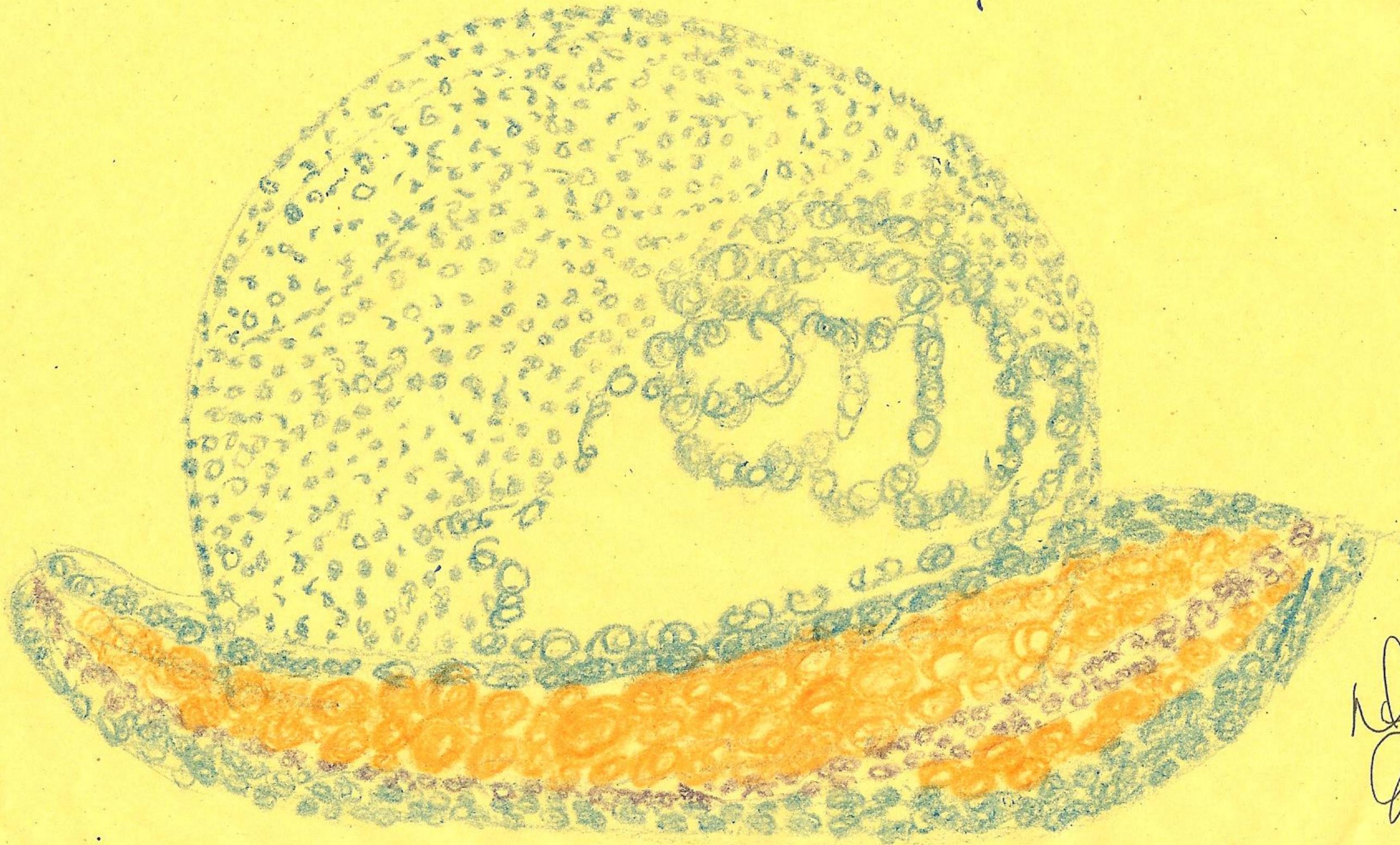
D. Lane

Eco health -

Engaged community

Wellness deeply rooted in a
sense of place + values

Community = Environment, town,
family, group of trees, ocean, ^{issues}
social group, watershed... Doyle



Denise Golden
June 27/11

Each dot makes a point in creating the picture -
But stepping back from looking at one point
creates the whole picture

What is ecohealth? it is a new term

It is something that is at risk

by human activities

Ecohealth is being balanced

at → earth

at → the universe

Minerva Arce-Ibarra



claire
Hutton

Climate change, can erode all the supports

Foot health

Shoes

clean air

clean water

clean soil

clean food

Supportive institutions

Safety

Belonging

Social inclusion

Peace

Access

Opportunity

Capitalism / Specialization
Globalization
Systems' inertia
Disempowerment
Disconnection

Spreads

Ecohealth

Balance in an interconnected network

eco = home

System = co-ordinance

circular yes but spiral in continuity for individual
to global sphere

eco = whole

web / network

one is all - all is part of one

ECO HEALTH

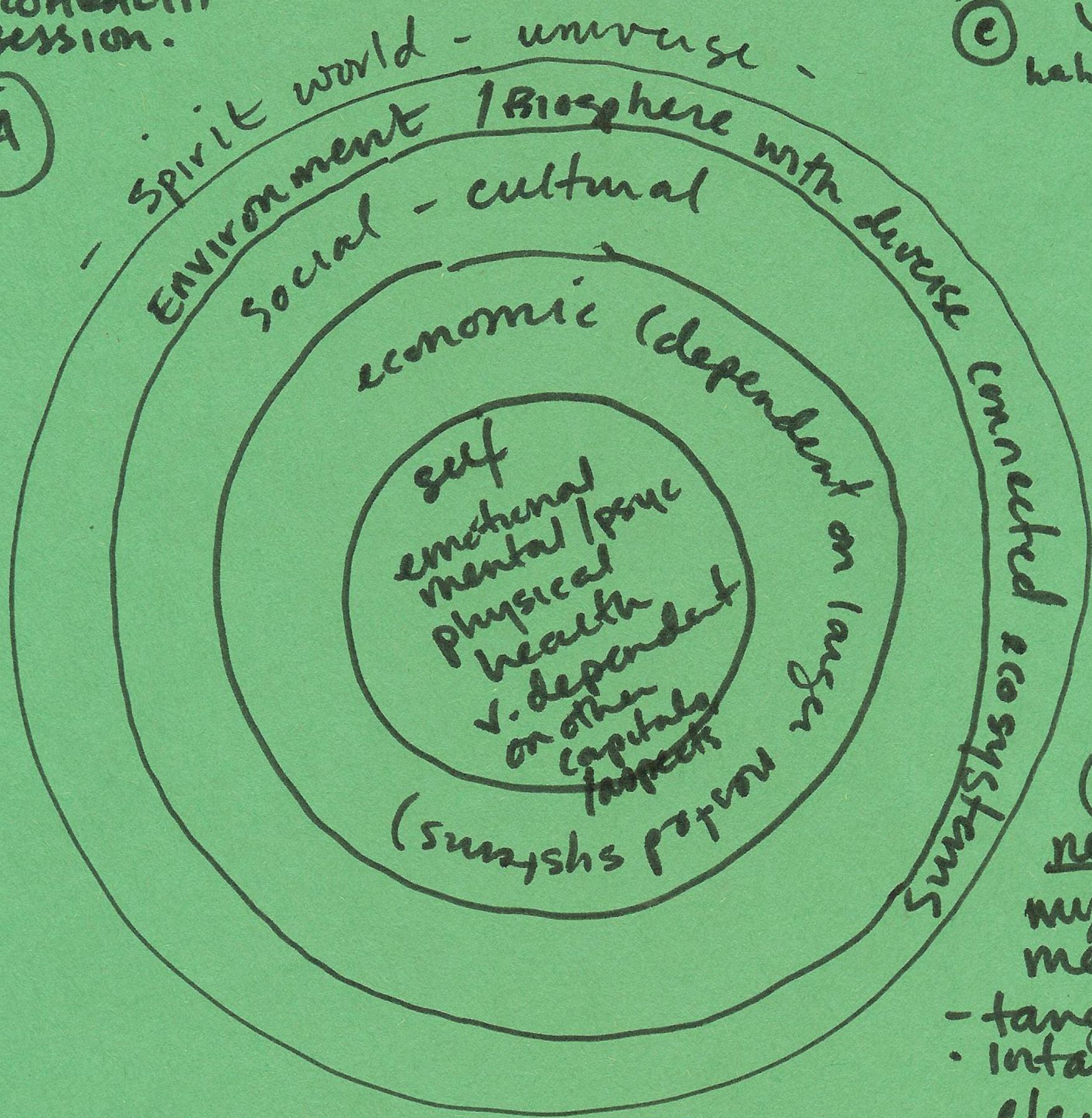
Well-being
of $\frac{1}{1}$ from
the Earth, our
home.

Barry Smith
June 27, 2011

June 27, 2011
 People in Places
 ECHOHEALTH
 session.

putting in
 my dissertation
 © haha.

(A)

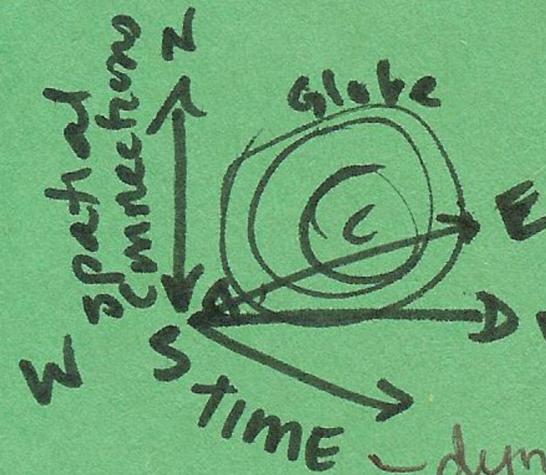


(B)

need
 mixed
 methods
 - tangible
 - intangible
 elements

Within context of change
 + with many? 4? dimensions.

Nancy's
 insights.

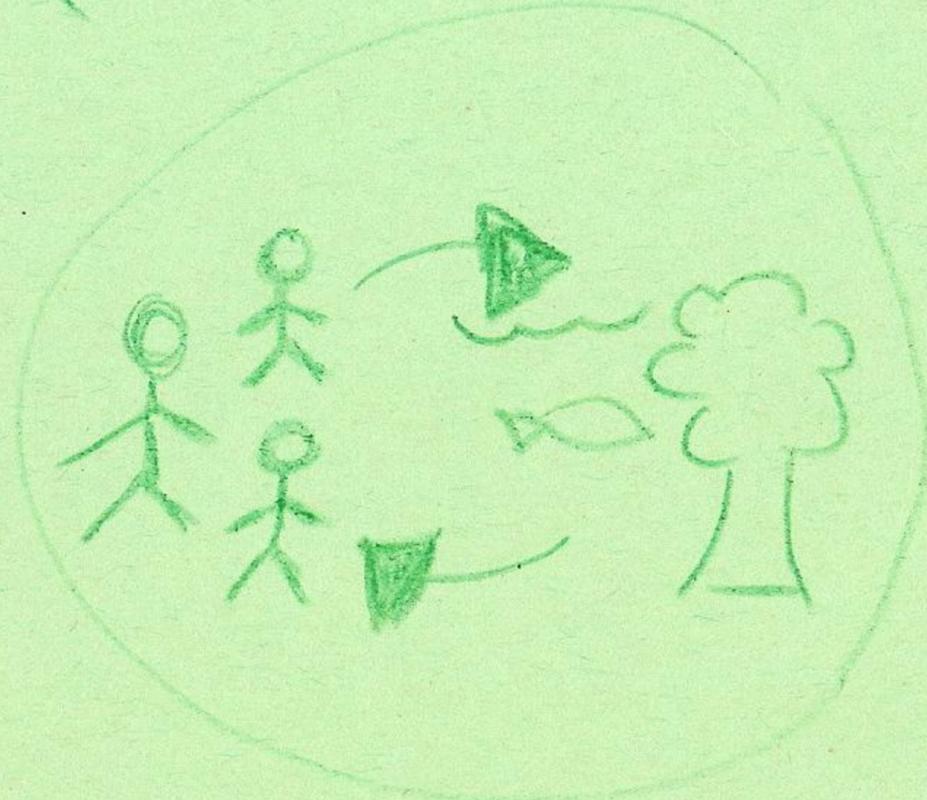


values / responsibility

- teleconnections
 wellbeing
 justice
 peace
 community
 global

dynamic systems
 Sharmalene Mendis-Millar

Canadian Biosphere Res
 Net
 www.little-green-book.ca
 smendis@uwaterloo.ca



- Communities as part of
- Symbiotic relationships w earth
- strong localized relationships
~~that~~ human/natural resource
- local tools for local solutions

• ~~social-ecological~~

• social-ecological = economic institutions

• shift from capitalistic focus to communities & environment as focus.

• shift from ownership

Kim Olson

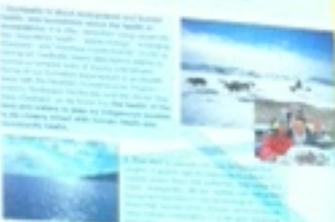
We have to get back
this world to our
children and their children
but we have to do that
in the best condition possible

Ricardo Torres

Project
Name: [unclear]

Climate Communication and Outreach

Water Quality and Flow

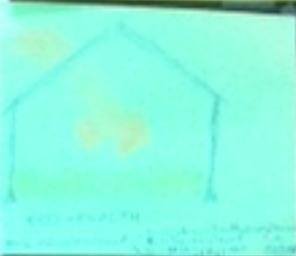


Information to assist water users and water users with information on the water quality and flow. This information is intended to help water users understand the water quality and flow in their area. The information is intended to help water users understand the water quality and flow in their area. The information is intended to help water users understand the water quality and flow in their area.

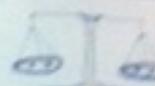


Handwritten notes on a light green sticky note, including the words "Eco Health" and "Well-being".

Small handwritten note on a white sticky note.

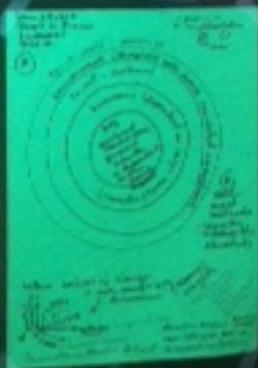


ECO HEALTH
Well-being of a firm the Earth, our home.



Handwritten notes on a white sticky note, including the words "Eco Health" and "Well-being".

Printed text on a white sticky note, partially obscured.



I was 14 years old
and still in my
grandmother's house
I am surprised



We have to get back
this world to our
children and their children
but we have to do that
in the best condition possible
Ricardo Jones

