

Naturalized Knowledge Systems

A presentation prepared and presented by:

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The Words That Come Before All Else



The People
The Earth
The Waters
The Fish
The Plants
The 3 Sisters
The Medicinal Plants
The Animals
The Trees
The Birds
The Four Winds
The Thunderers
The Sun
The Grandmother Moon
The Stars
The Four Sacred Beings
The Enlightened Teachers
The Creator of All Things

Ways of “MisKnowing”

When we Say:

What we Mean:

“Western Science”:

A process that is arrogant and ignores or ridicules the knowledge of the local people.

“Western Culture”

A process of a Dominator Society that separates itself from the Environment and Humanity to the destruction of them both.

“Native/Mohawk People”

The ideal state for a peoples that exemplify the best of our culture, society and beliefs.

“Elders”

A person of great wisdom or knowledge that is respected by the community.
This is an acknowledgement not an appointment.

Myths of Traditional Environmental Knowledge

1. Only native people have TEK.
2. TEK is being lost and needs to be saved.
3. TEK can be stored or saved in books, databases and maps.
4. TEK is static and doesn't change.
5. TEK doesn't use or need science.
6. TEK is anecdotal.
7. TEK is not objective.
8. TEK is more spiritual and mystical than factual.
9. TEK is somehow the same all over the US and the World.

Naturalized Knowledge Systems

Naturalized : To adopt into the common use of a given area.

Knowledge: A deep and extensive learning.

A product or result of knowing.

Systems: An orderly combination or arrangement of facts into whole.

Kinds of Knowledge

Innate Knowledge: knowledge that one is born with

Intuitive Knowledge knowledge of how and why things are

Empirical Knowledge knowledge gained from experience

Harmonious or Spiritual Knowledge is realized when conflicts between empirical knowledge and intuitive knowledge are reconciled and a better understanding is achieved.

Naturalized Knowledge Systems

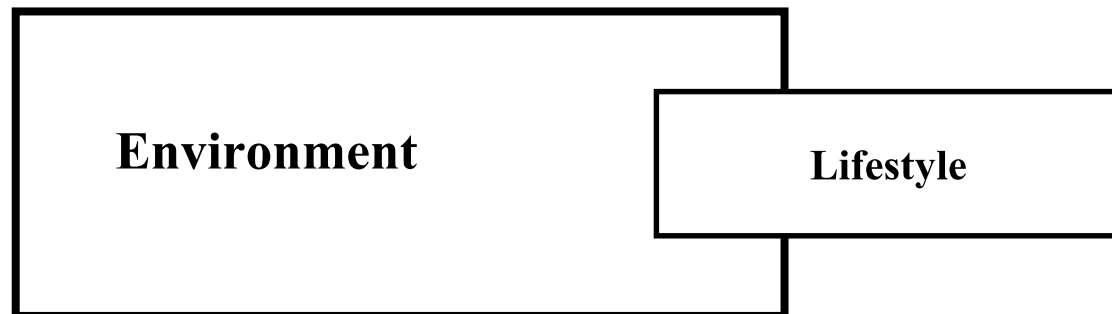
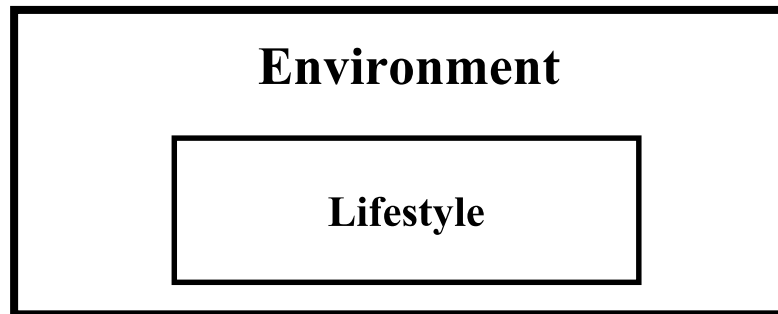
Basic Themes or Principles:

1. The Earth is Our Mother.
2. Cooperation is the way to survive.
3. Knowledge is powerful, only if it is shared.
4. Responsibility is the best practice.
5. Everything is connected to everything.
6. Place is important.
7. The Spiritual World is not distant from the Earth.

Naturalized Knowledge Systems

Haudenosaunee Knowledge

Community Knowledge



Difference in Frameworks

Haudenosaunee Framework

Based on our responsibility
to the world

Hierarchy of Cause and Effects

Great Way of Peace

Environmental protection
over-rules economic growth.

Dominator Framework

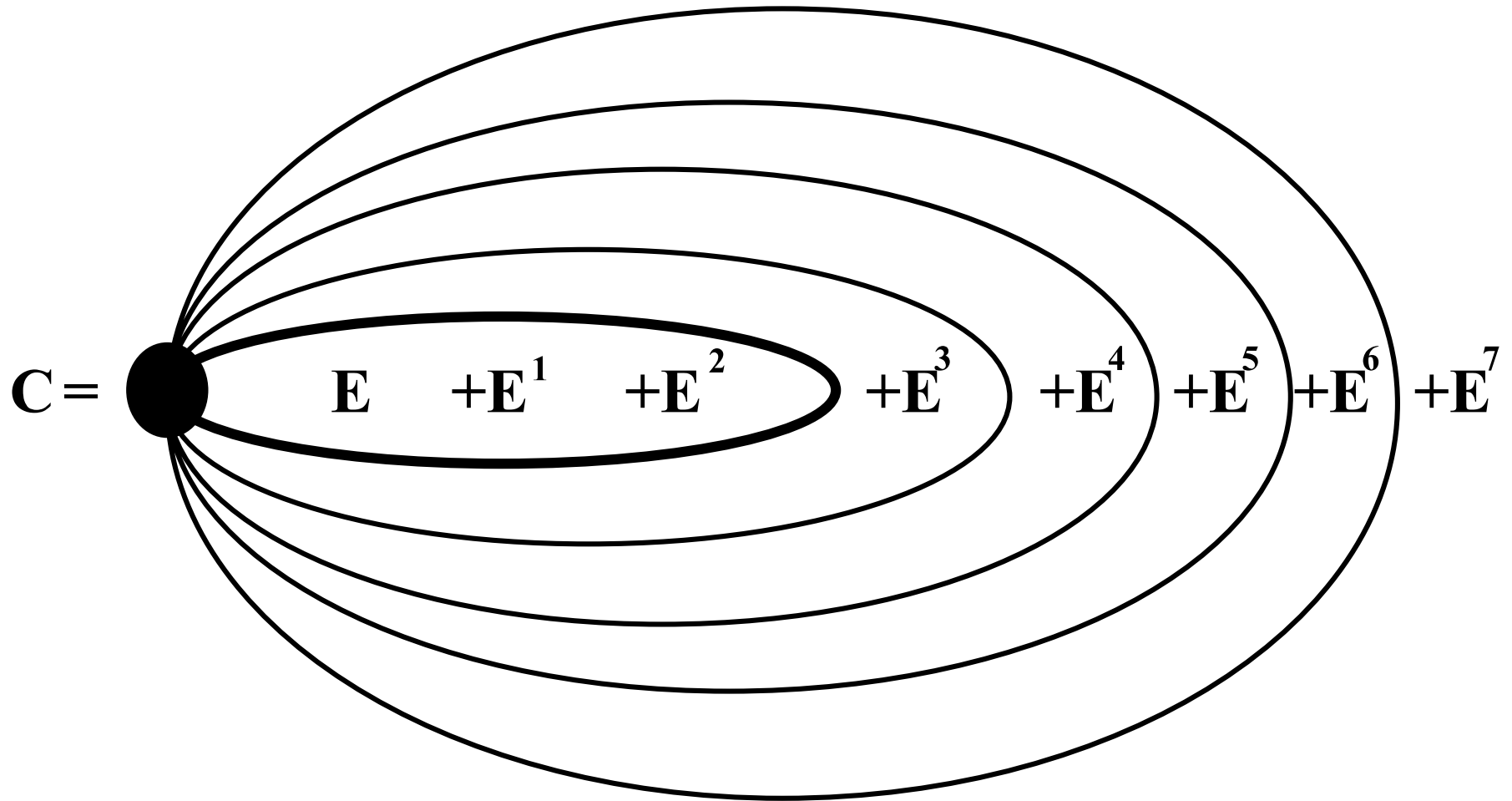
Based on the legal minimum
according to all the constraints.

Scope of Work

The Way to Cooperate through
Contracts, Deliverables
and Agreements

Economic growth over-rules
environmental protection

Conceptual Diagram of Cause and Effect Hierarchy



E = The sum of the effects in the hierarchy

Diagram of Model Hierarchy

C =	E	+E ¹	+E ²	+E ³	+E ⁴	+E ⁵	+E ⁶	+E ⁷
HIEARCHY	SUB CELLULAR	CELLULAR	INDIVIDUAL	GROUP FAMILY	COMMUNITY	NATION	CONFEDERACY	SPIRITUAL
HUMAN DEVELOPMENT	EGG & SPERM	EMBRYO	BIRTH	CHILD	ADOLESCENT	ADULT	AUNTIE UNCLES	ELDERS
REACTION TIME	MICRO-SECONDS	SECONDS	MINUTES	HOURS	DAYS	WEEKS	YEARS	DECADES
POPULATION	<1	<1	1	<100	<10 K	<100 K	>100 K	INFINITE
AREA OCCUPIED	MICRONS	MILLIMETERS	10'S METERS	10 KM	<100 KM	<1000 KM	GLOBAL	UNIVERSAL
VARIABLES	10	10 ²	10 ⁴	10 ⁸	10 ¹⁶	10 ³²	10 ⁶⁴	10 ¹²⁸
CHAOS THEORY	CHAOS INCREASES						CERTAINTY DECREASES	

Skennen – “Doing the Peace”

	SPHERE OF INFLUENCE				
	Individual	Family	Community	Nation	Confederacy
Value	Henry Lickers	Family of three grown children and wife of 39 years	Started the Department of the Environment and Environment Science Officer	Work with Canada on the Species at Risk Act	Scientific Co- Chair of HEFT.

Naturalized Knowledge Systems

The Zeal to Deal

The “Zeal to Deal”

is generated by a balance of:

RESPECT

EQUITY

EMPOWERMENT

TOOLS:

Understanding

Finances

Application

Communication

Knowledge

Authorship

Consensus

Networks

Credibility

Mediation

Personnel

Partnership

Honour

Social Power

Responsibility

Concept of Time

We must think about the seven generations to come.

Why?

Because we can know seven generations.

Great Grandmother - Grandmother - Mother

You

Child - Grandchild - Great Grand Child.

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The Enlightened Teachers
The Creator of All Things



Now we come to the end, I ask only two things of the Creator as we leave this place that no impediment is place in your way as you proceed home and that you see the happy smiling faces of your families, knowing that no misfortune has befallen them while you've been here.