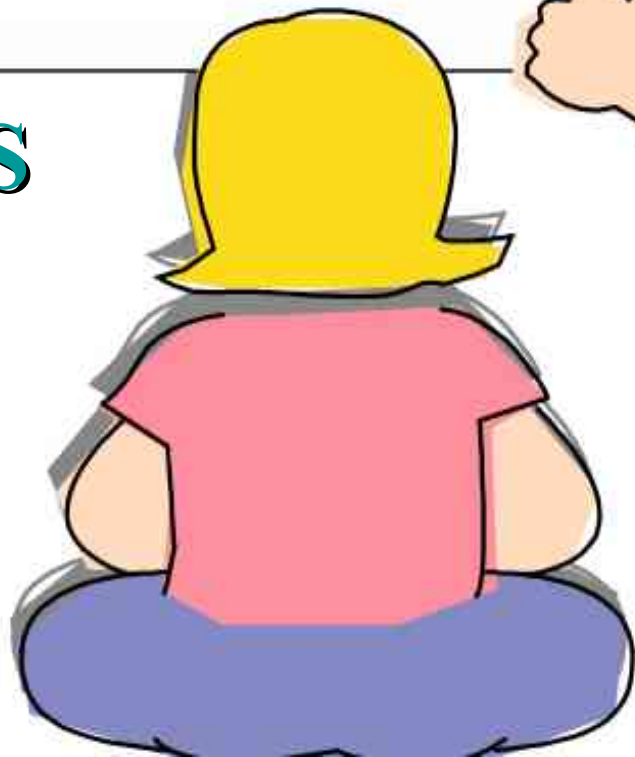


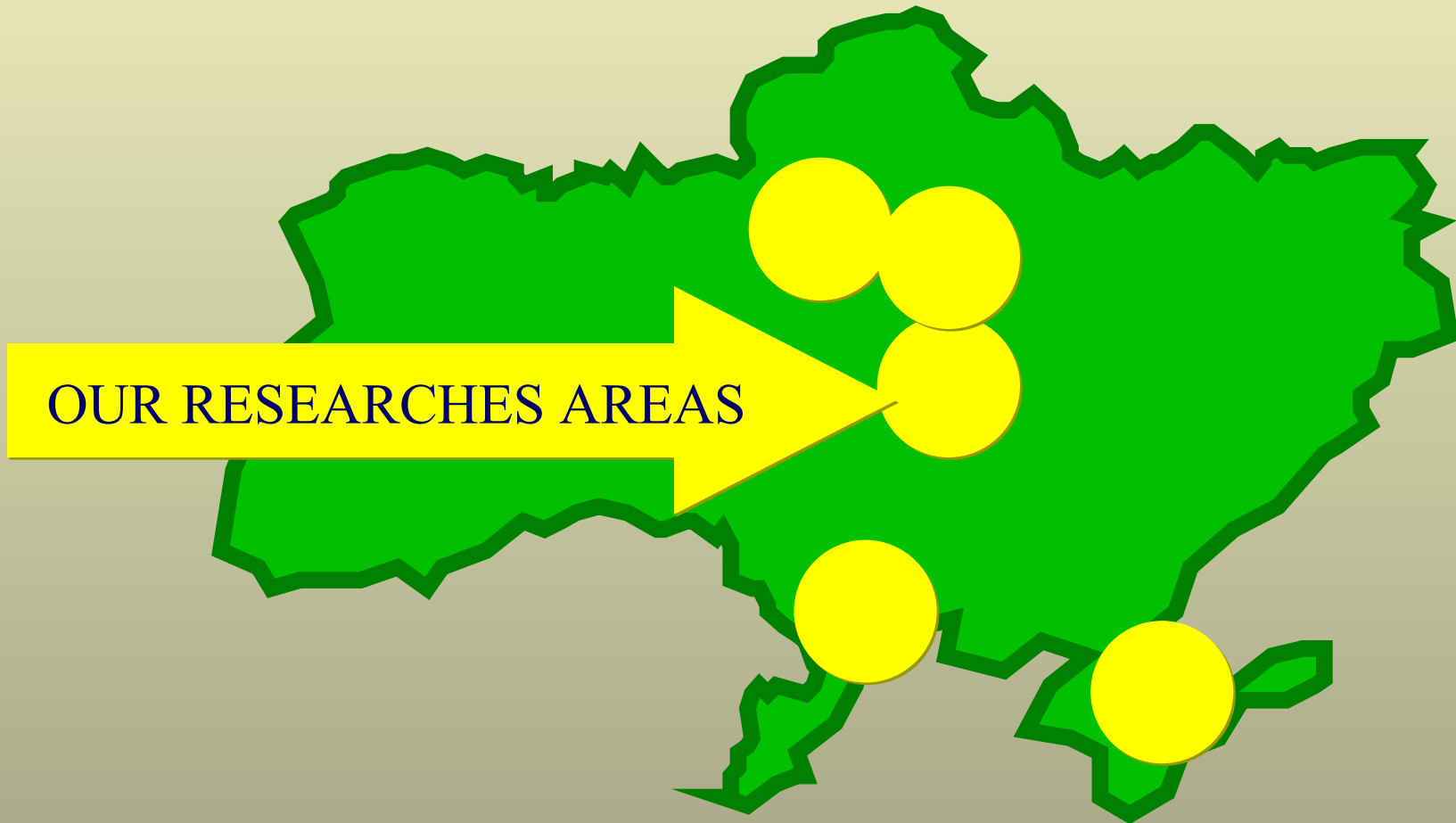
Integral Health and Children's Education for Sustainable Development: A LOOK FROM THE UKRAINE



INCHES
2007
Vienna



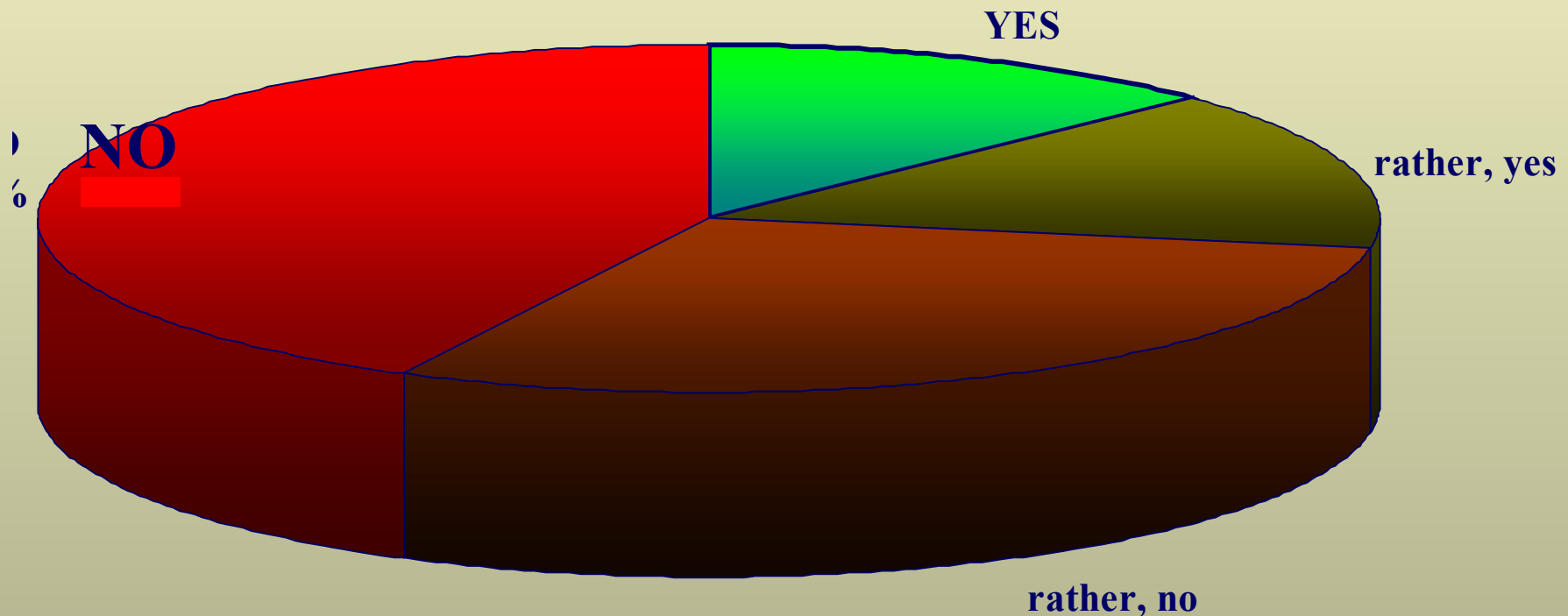
The Ukraine – the biggest European zone of the environmental disaster



OUR RESEARCHES AREAS

In our current quantitative research on H&E education in Ukraine, a particular emphasis is given to surveys on the levels of **information & motivation & volition** of students in relation to H&E education

Did your secondary school give you good environmental knowledge ?



Ukraine, 588 Students

*What is principally wrong
with Environmental Health
Education?*



Our research data in 5 Ukrainian Cities

DNIPROPETROVSK



KIEV



CHERKASSY

ODESSA & SIMFEROPOL

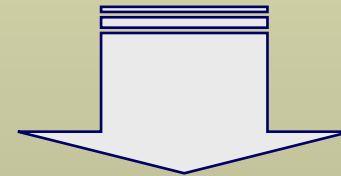




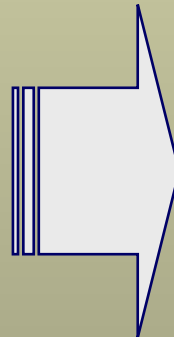
NGO “GREEN DOCTORS - ISDE Ukraine”



Ukrainian National
Mining University

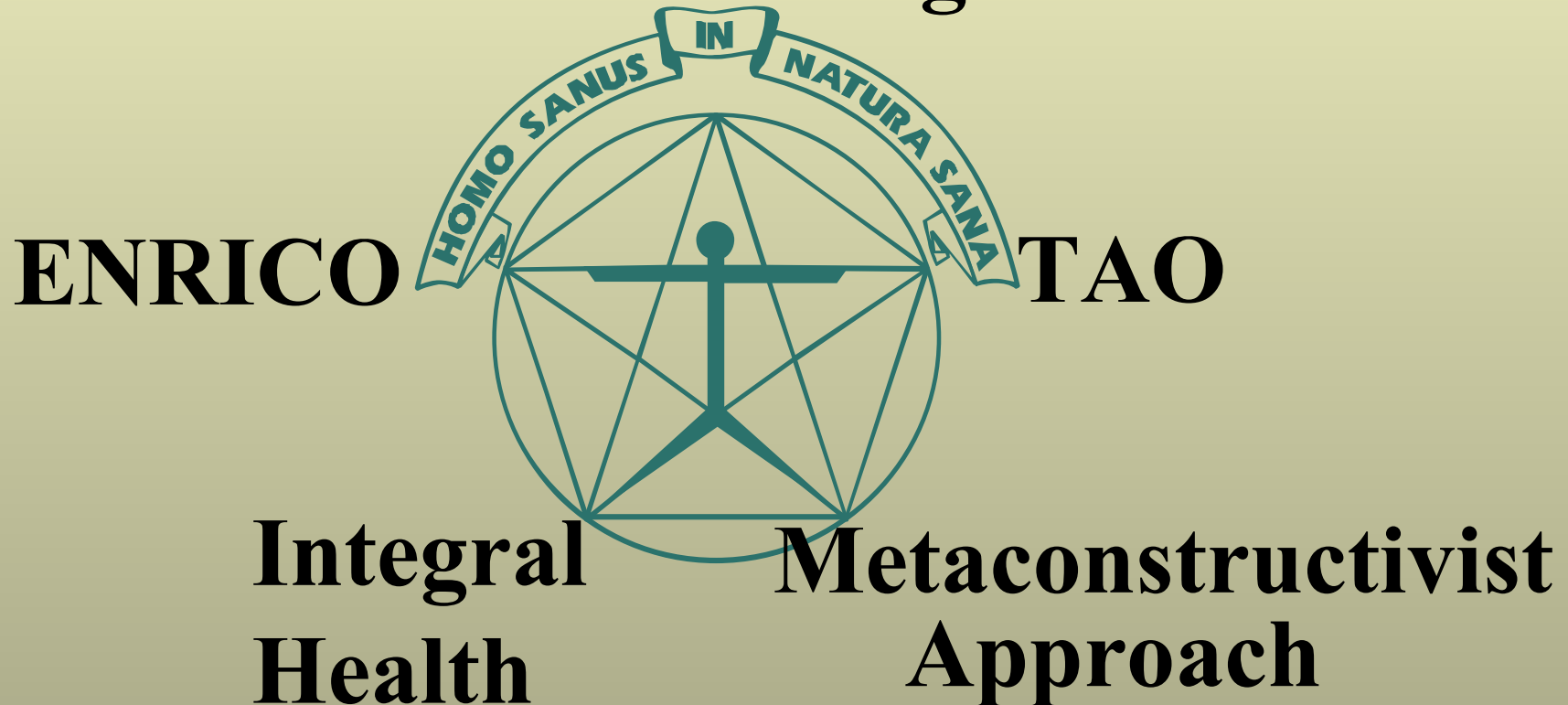


SYSTEM
OF 5 PEDAGOGICAL
MODELS



Our Integrated Framework includes 5 Pedagogical Models

Sanospheric Knowledge



GREEN DOCTORS

created a project of
**the National Conception of Education
for Sustainable Development**
supported by 3 Ministries

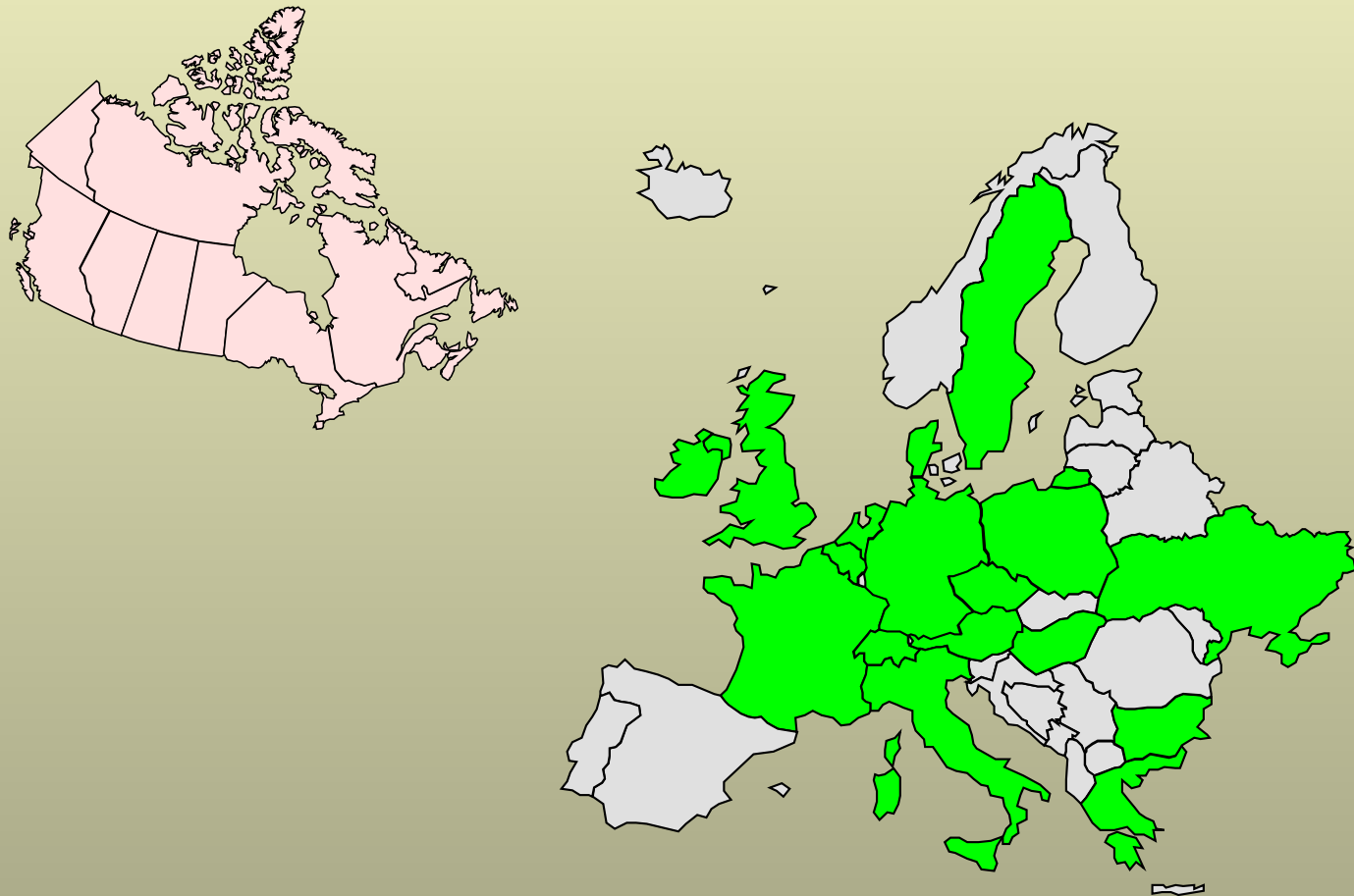


*We believe our models
could be used for
Children's Environmental
Health Education
everywhere*

UKRAINE

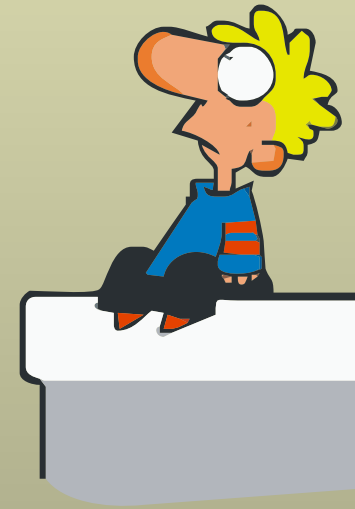


OUR PEDAGOGICAL MODELS WERE PRESENTED IN 16 COUNTRIES

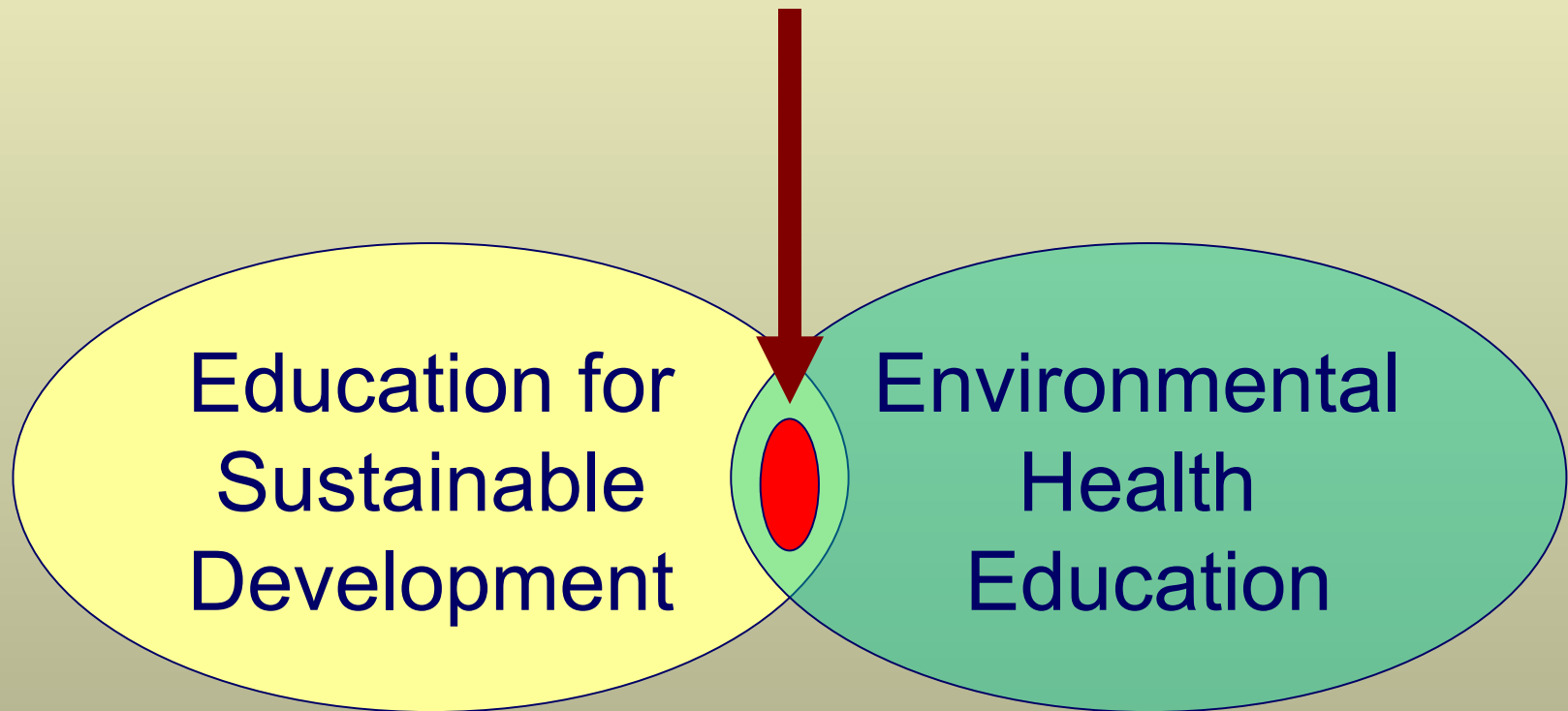


Our Integrated Pedagogical Model

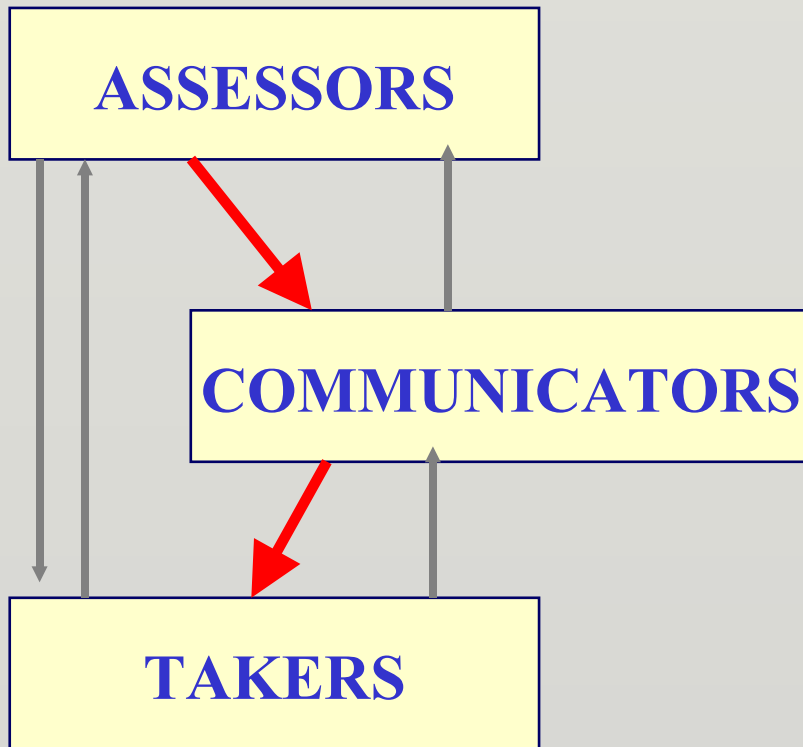
N 1 –
ENRICO



Location of Risk Communication Issues

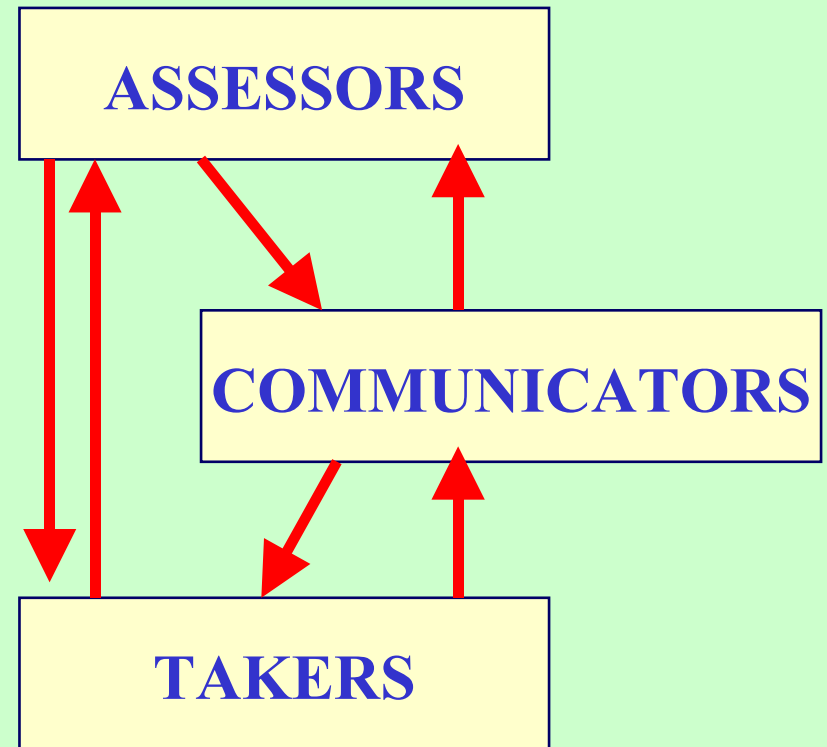


Traditional Top-Down model



→
CLOSED CHANNEL

Our ENRICO model



→
OPEN CHANNEL

HISTORY OF ENvironmental RIsk COmmunity

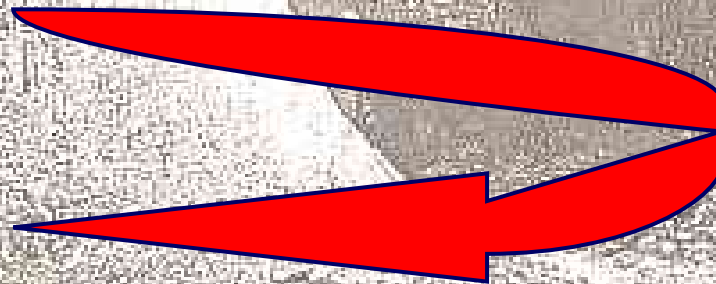
**Risk
takers**



**Risk
communicators**

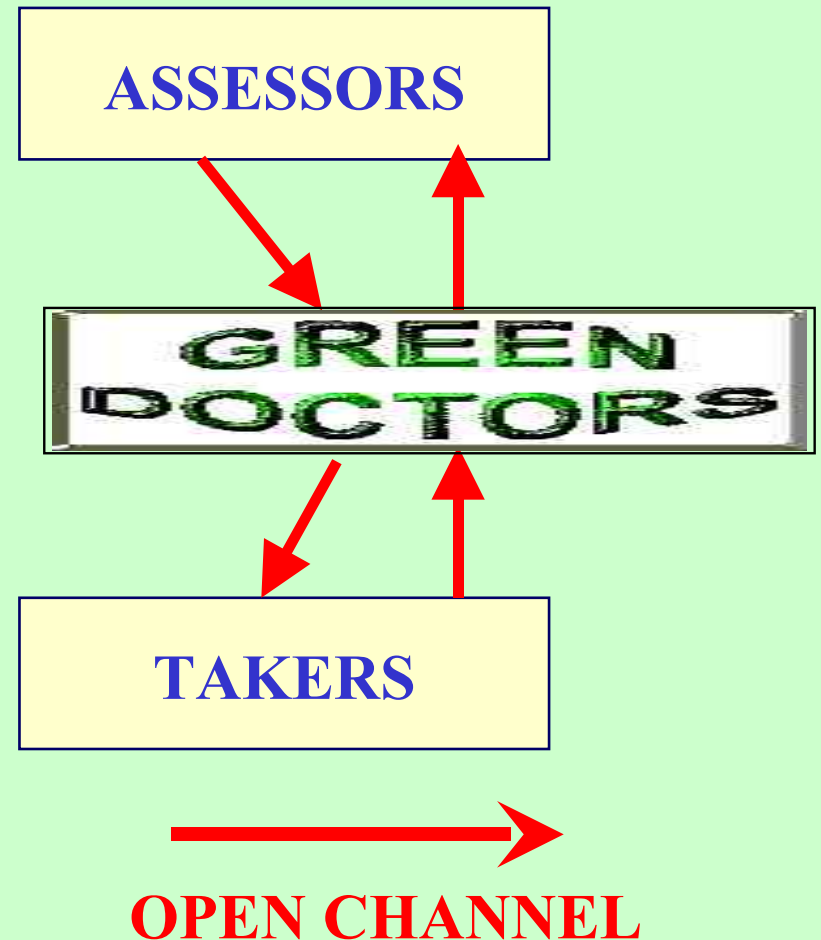


**Risk
assessors**

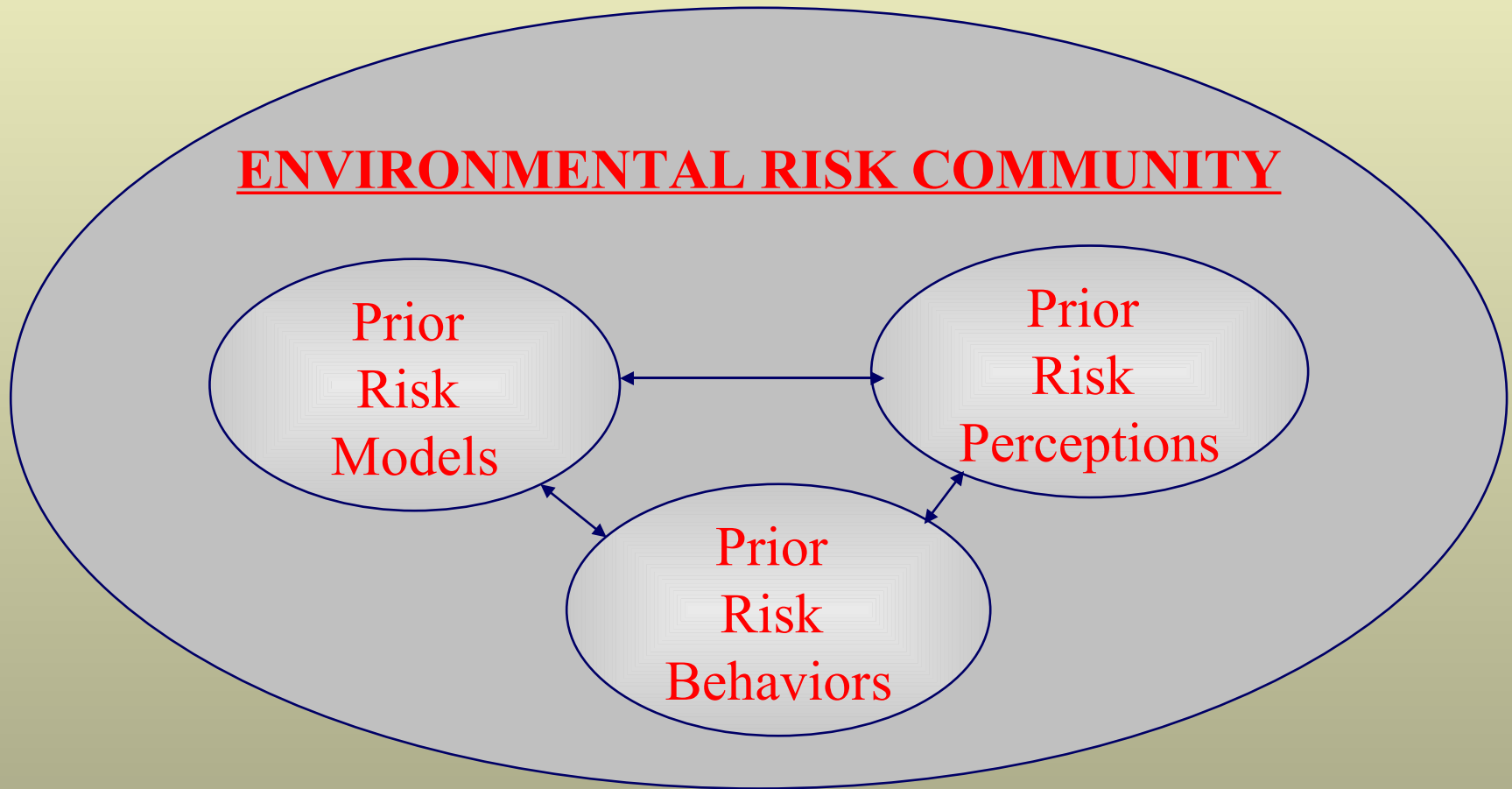


Who is able
to open
those
closed
channels?




NGOs role in ENRICO model



ENVIRONMENTAL RISK COMMUNITY






TYPOLGY OF RISK TAKERS

RISK TYPE	INFORMATION	MOTIVATION	INTENTION
	YES	NO	NO
	YES	YES	NO
	YES	YES	YES

Risk Communication

Desired Outcomes

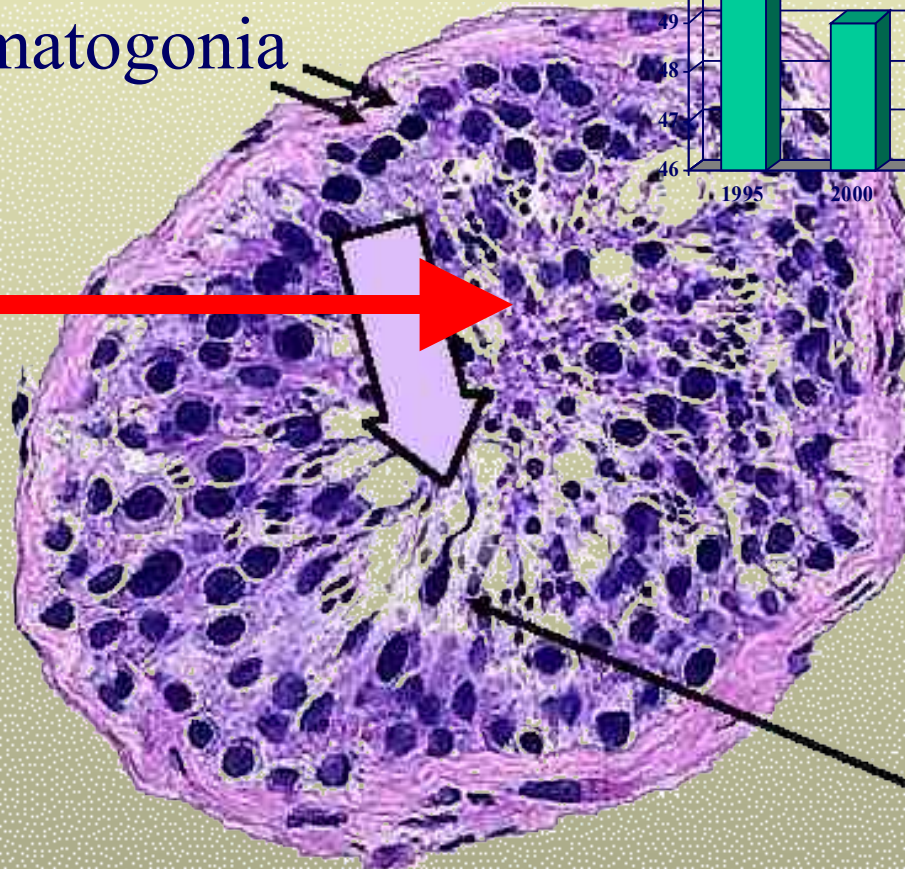
LEVEL	TRANSFORMATION	SYMBOLS
1	Wrong Risk Models ...> Right Risk Model	
2	Wrong Risk Perceptions ...> Right Risk Perception	
3	Wrong Risk Behaviors ...> Right Risk Behavior	

Green Doctors published in 2005 a booklet „Chemical Safety and Male Fertility“

**RISK
FACTORS**

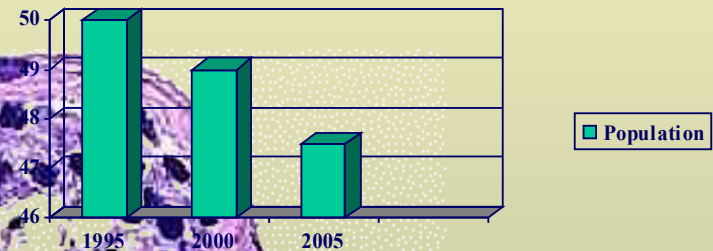


Spermatogonia



Sperm

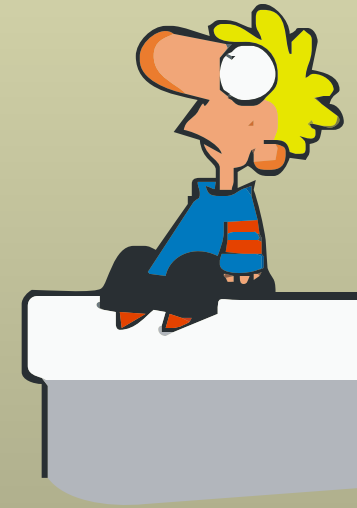
Ukrainian depopulation



Informed, No Motivation, No Intention



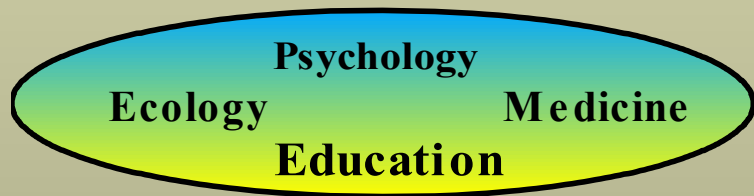
**Our Integrated Pedagogical
Model
N 2 –
Integral
Health
Model**



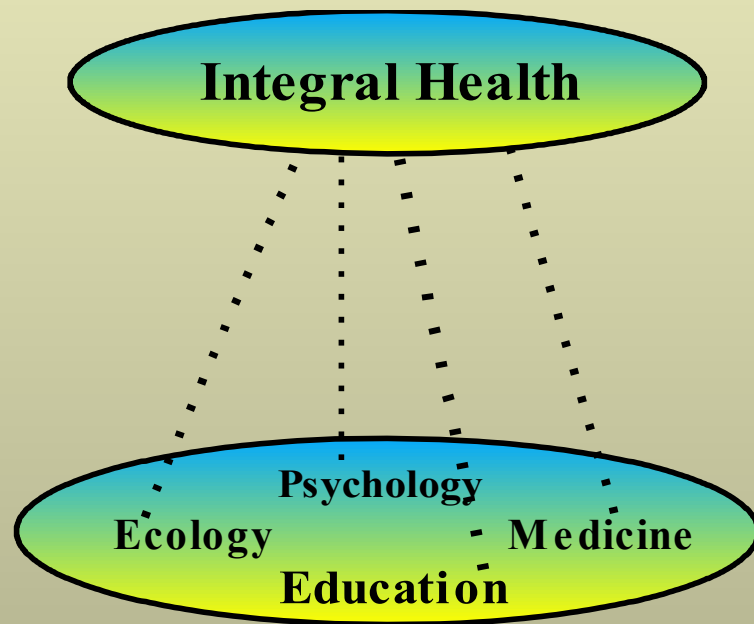


Our Integral Health Model is **METADISCIPLINARY**

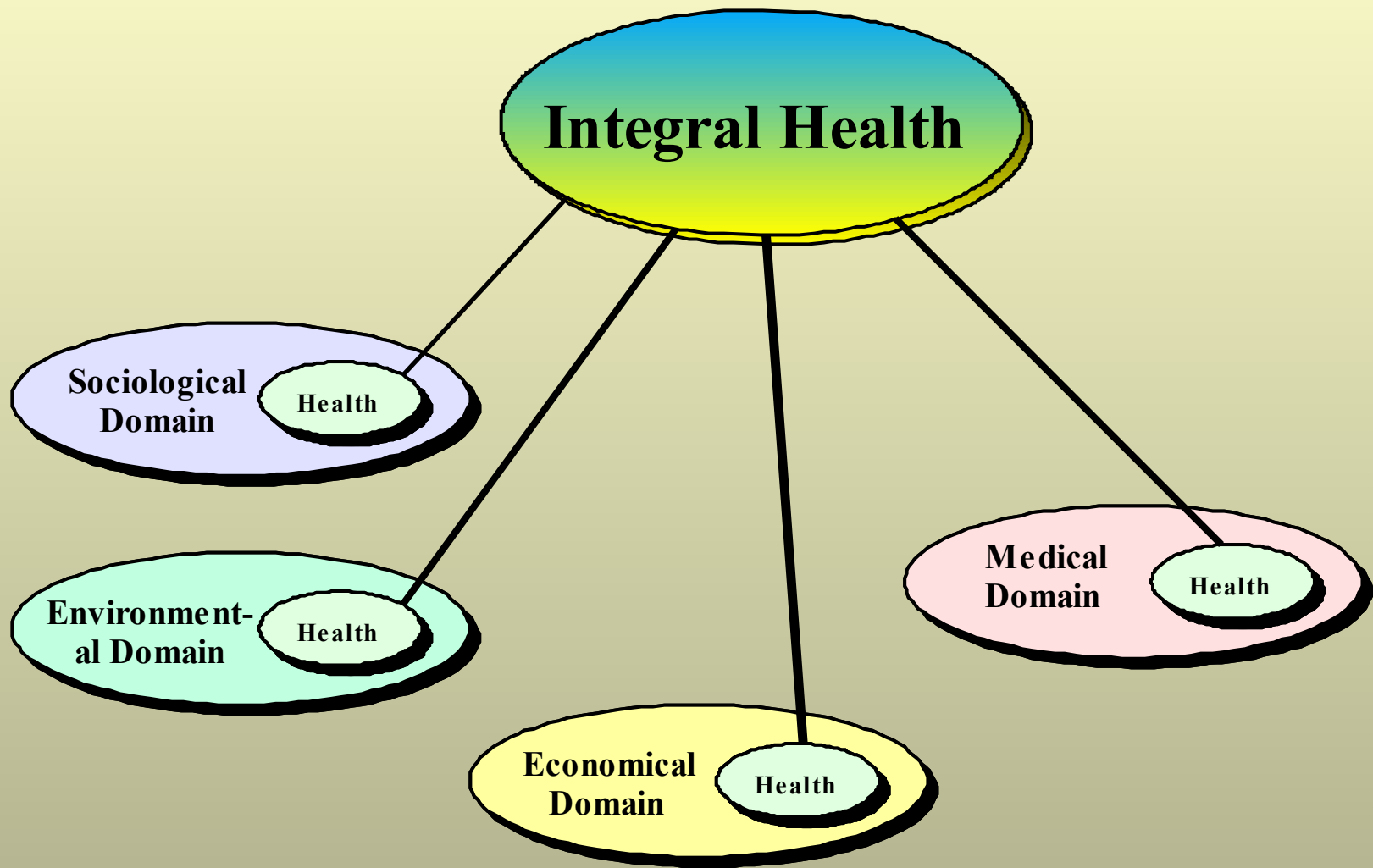
Model
presented
in Torino



**Multidisciplinary
model**

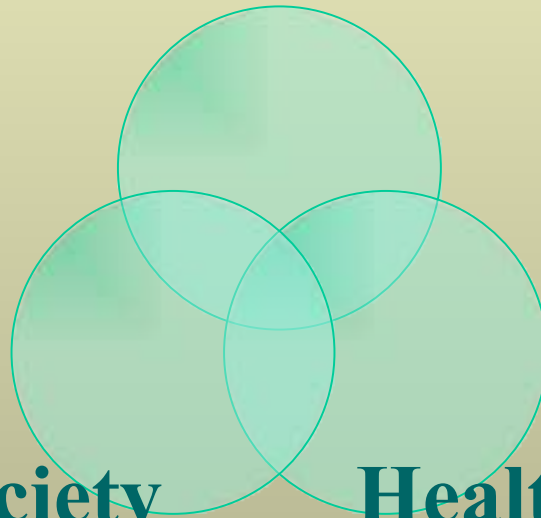


**Metadisciplinary
model**



Our Integral Health Model

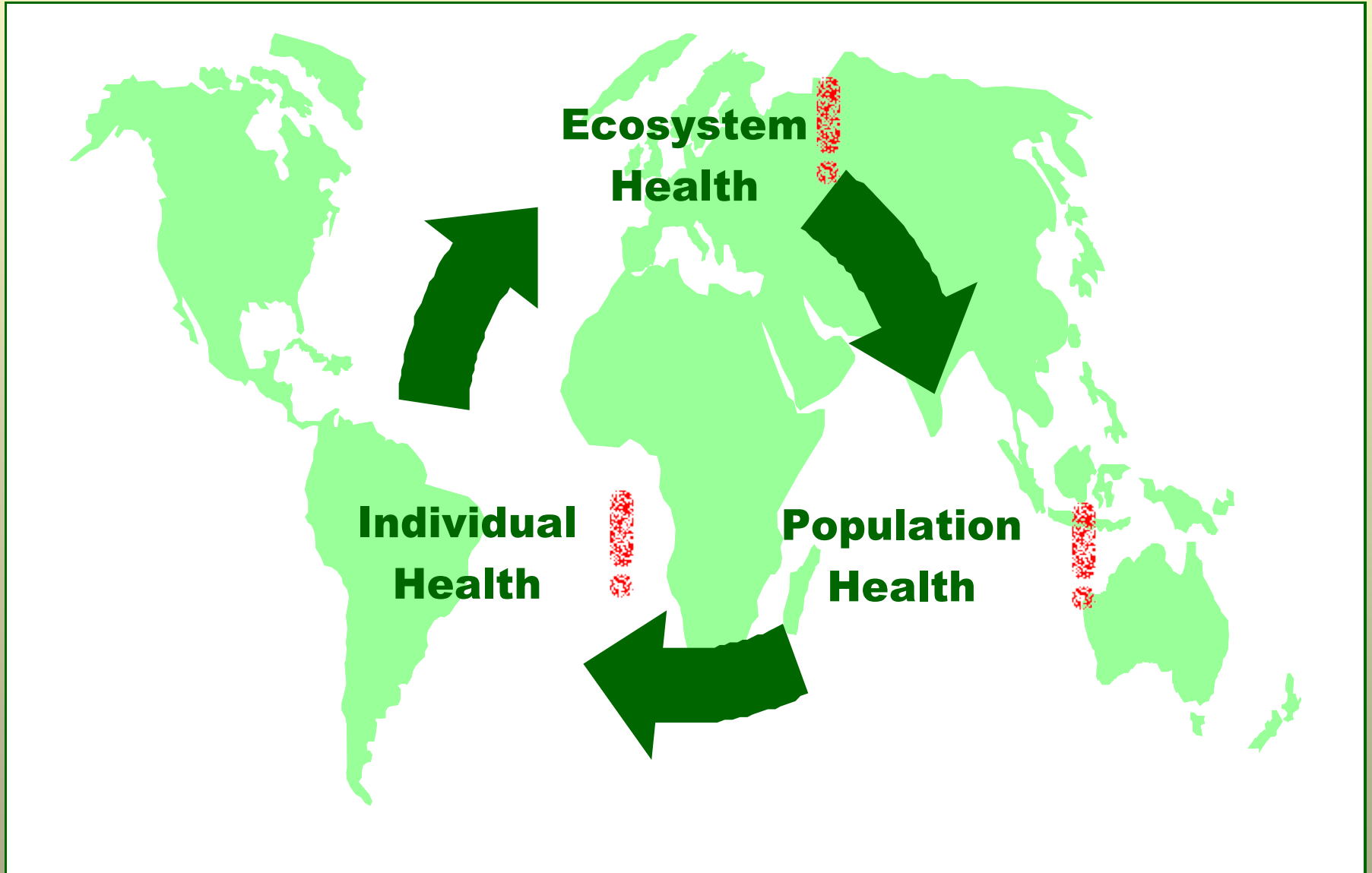
Healthy Environment



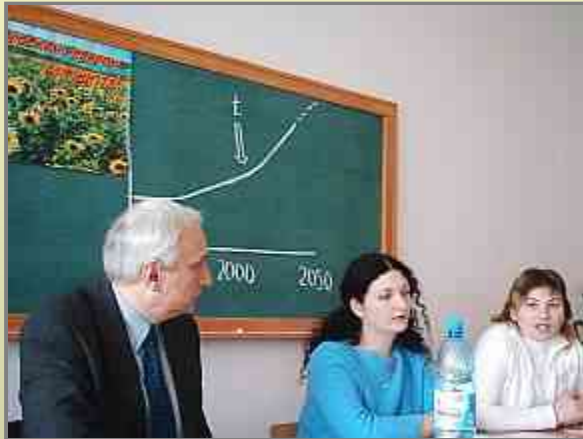
Healthy Society

Healthy Economy

Integral Health Model



Our method of Integral Health Assessment



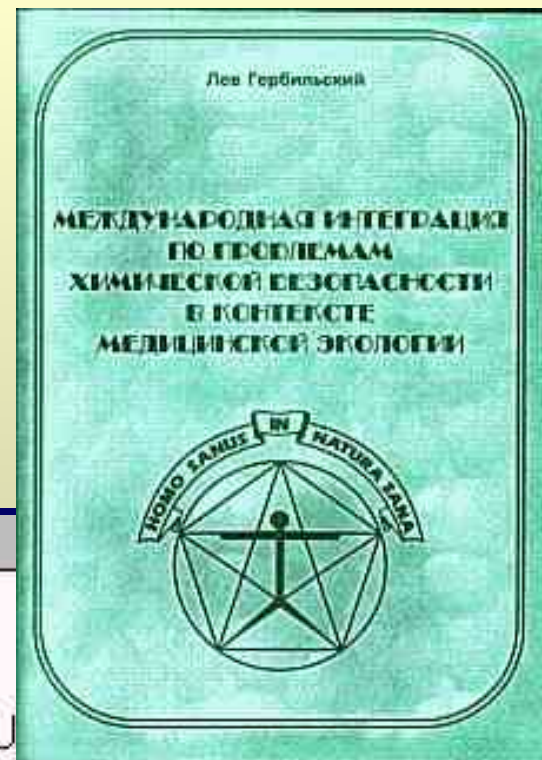
Ukrainian National
Mining University



DIOXINES Production in Ukrainian Parks



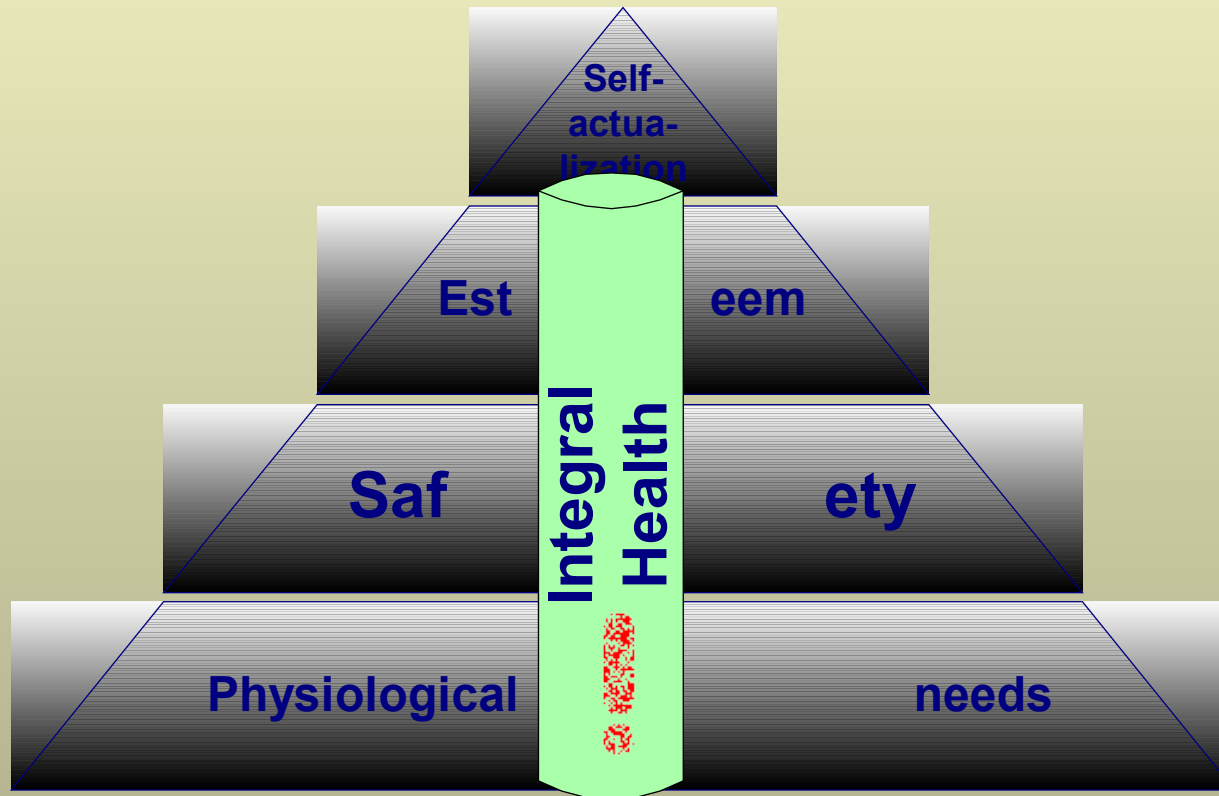
Green Doctors' Brochure against chemicals (pesticides) „bad practices“ in the Ukraine



In 1971
DDT
was officially prohibited in the U

Despite this - major contaminants of the water
include
DDT,
lindane,
and other pesticides,
which were officially prohibited
in the Ukraine many years ago.

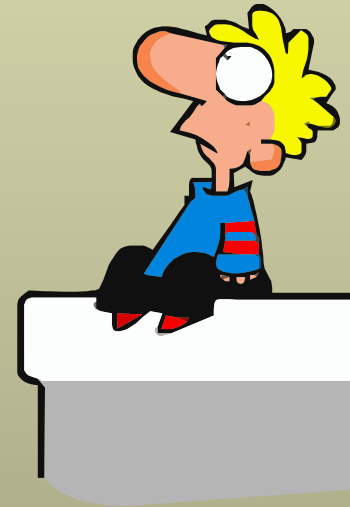
Integral Health as an Integrating Meta-Value



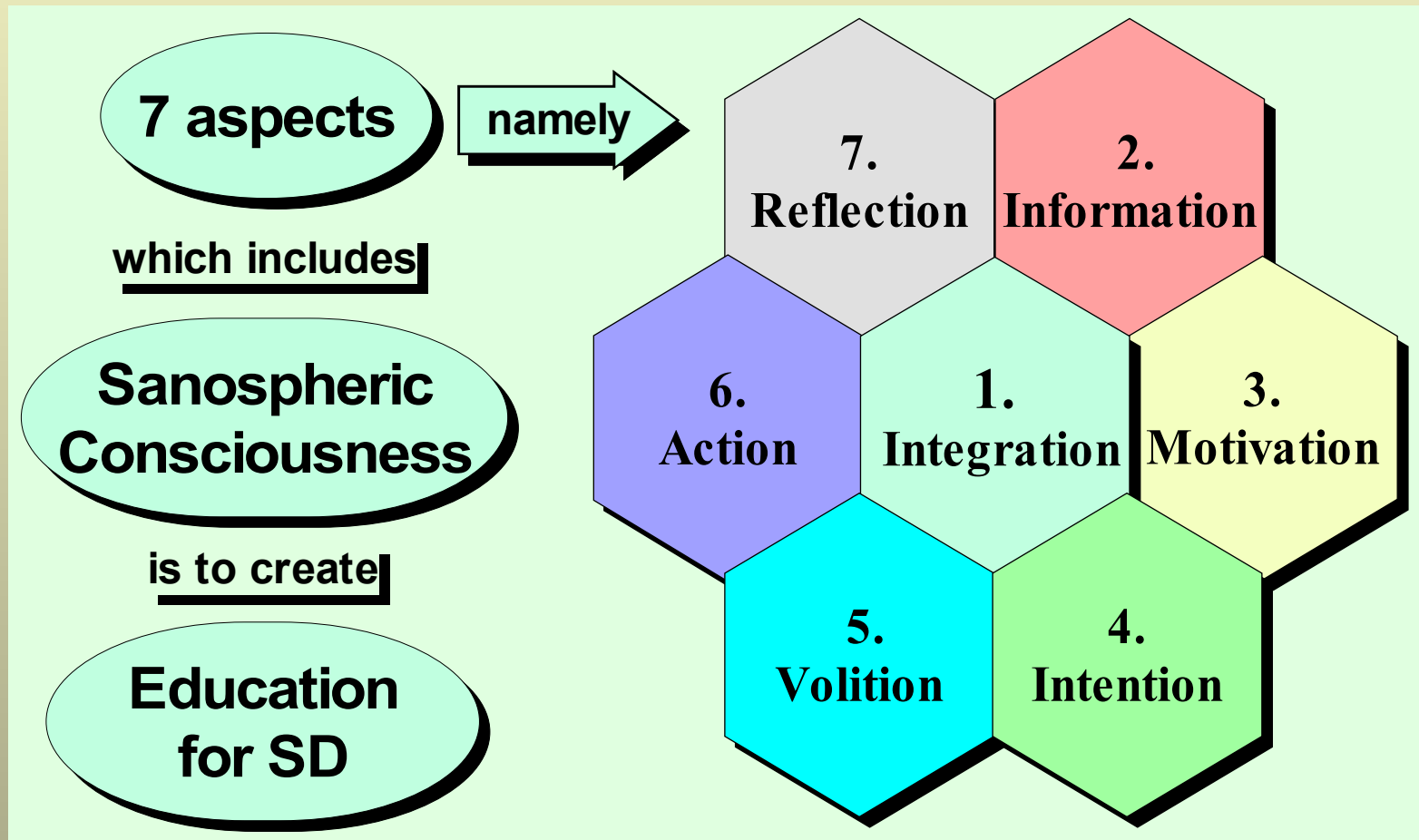
Our Integrated Pedagogical Model

N 3

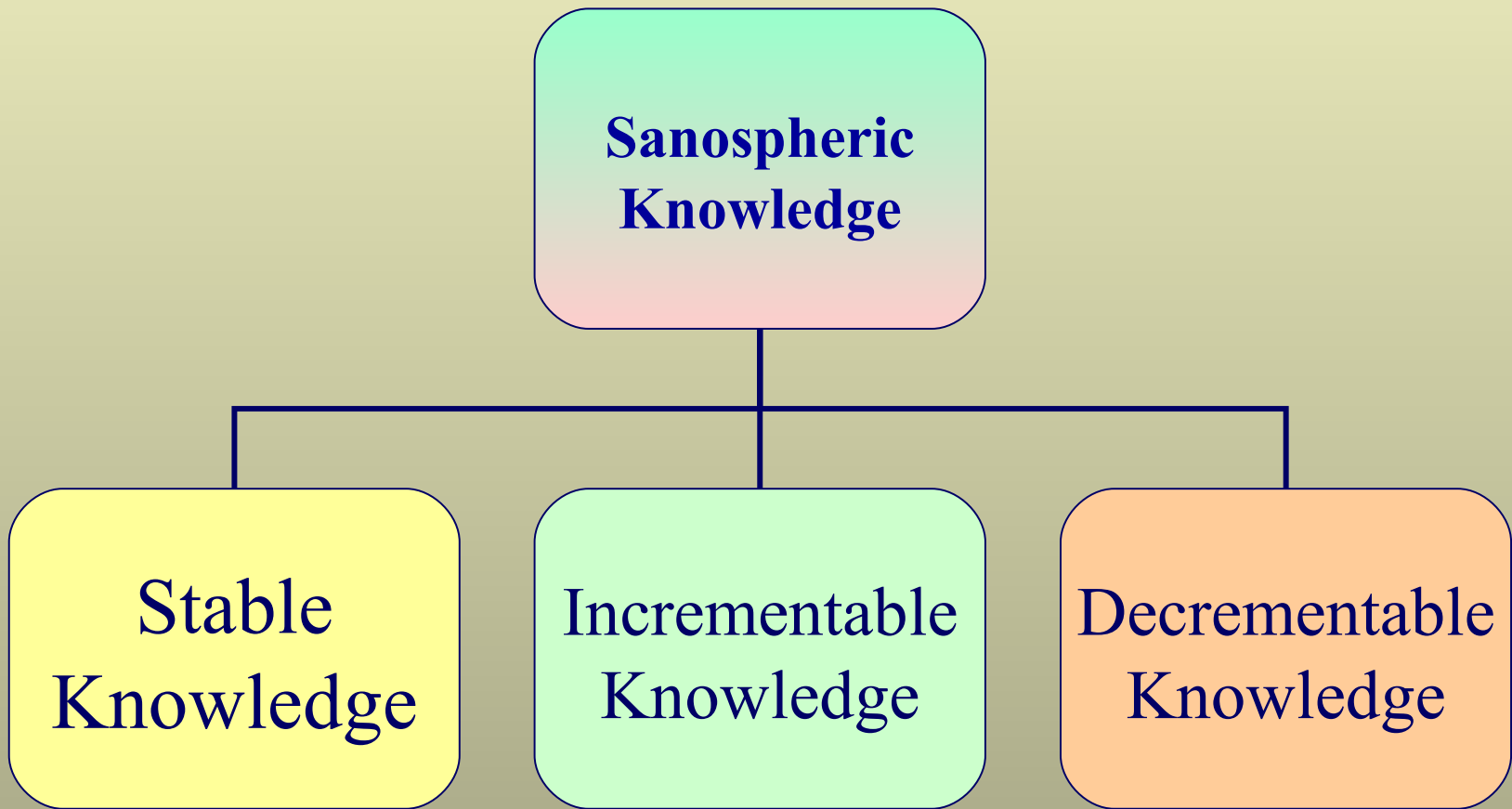
Sanospheric Knowledge

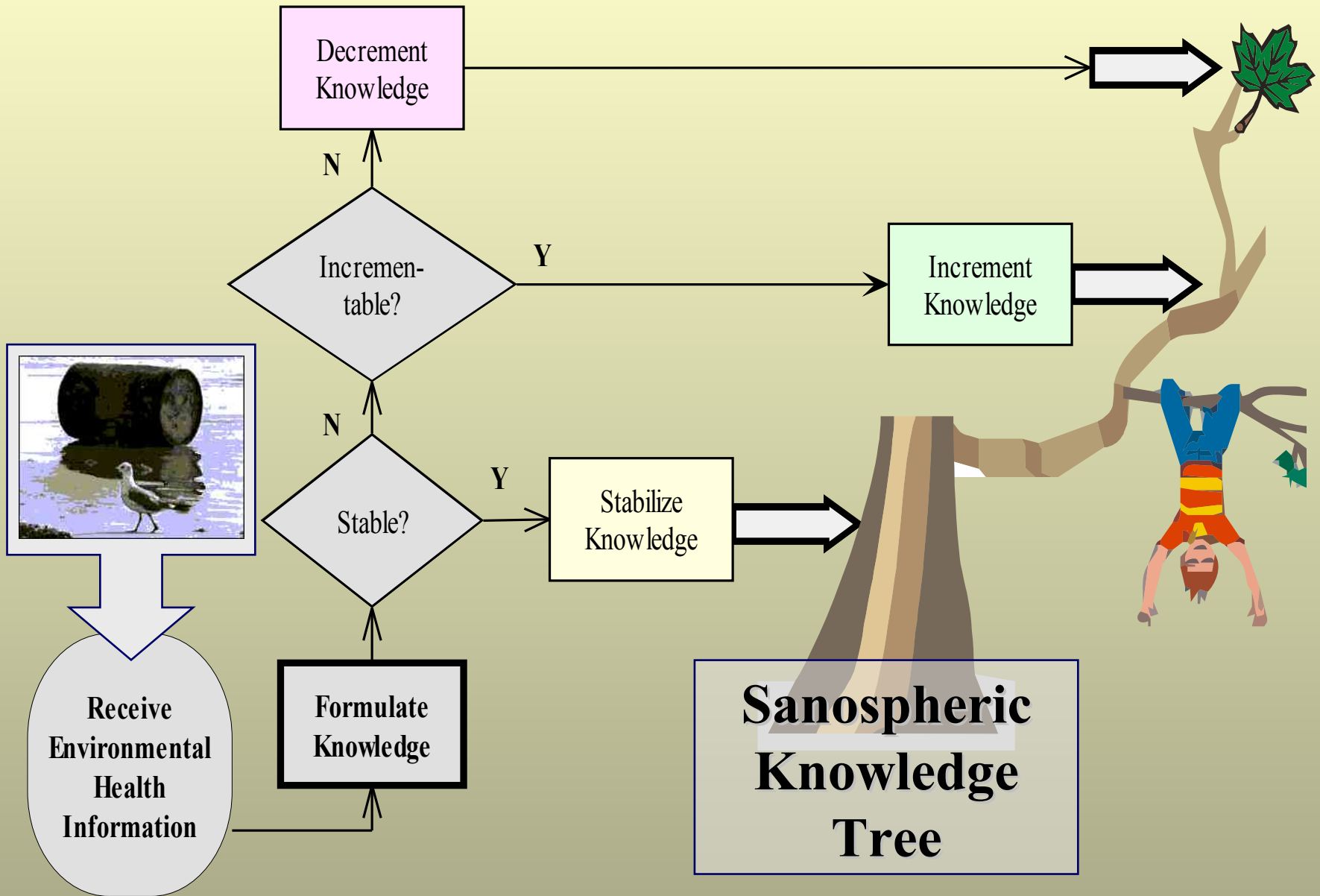


OUR PEDAGOGICAL MODEL of EDUCATION FOR SUSTAINABLE DEVELOPMENT:



Sanospheric Knowledge Classification

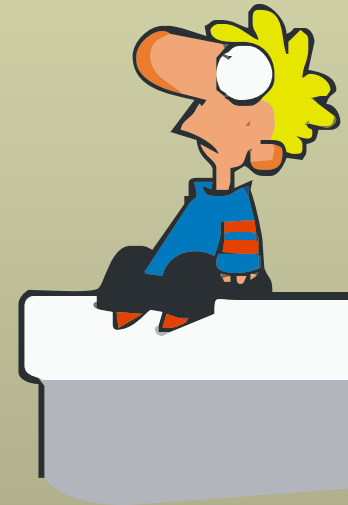




Our Integrated Pedagogical Model

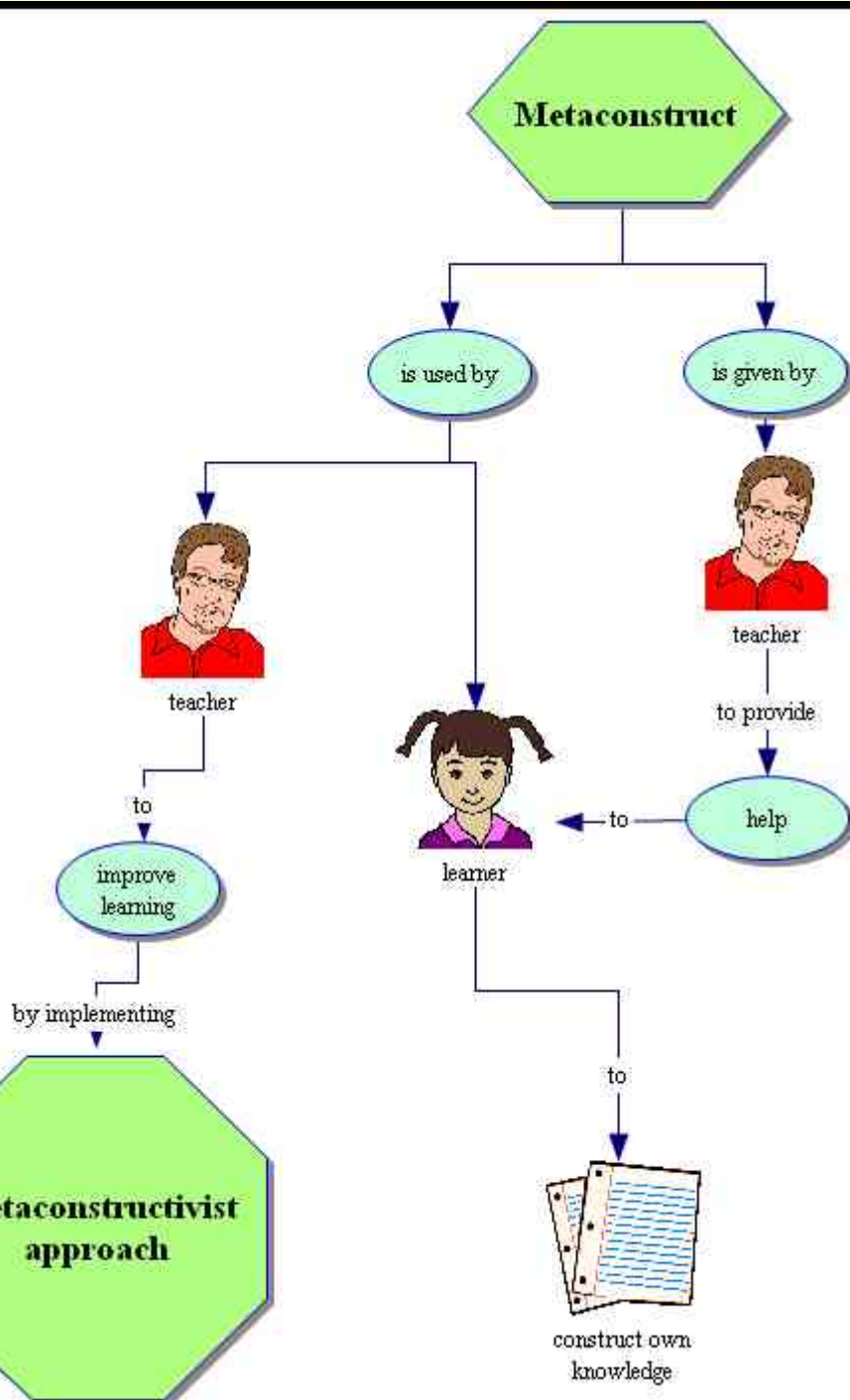
N 4

Metaconstructivist Approach



Our Metaconstructivist Pedagogical Model

was presented in
Cherkassy and
Dnipropetrovsk
(Ukraine)
in 2007

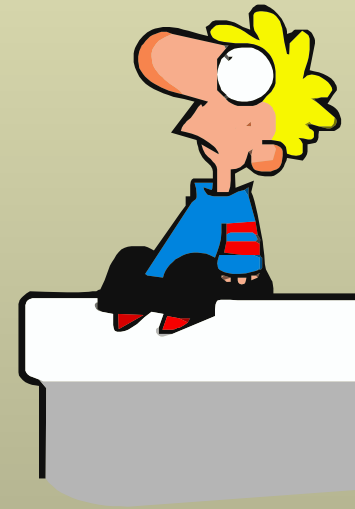


Our Integrated Pedagogical Model

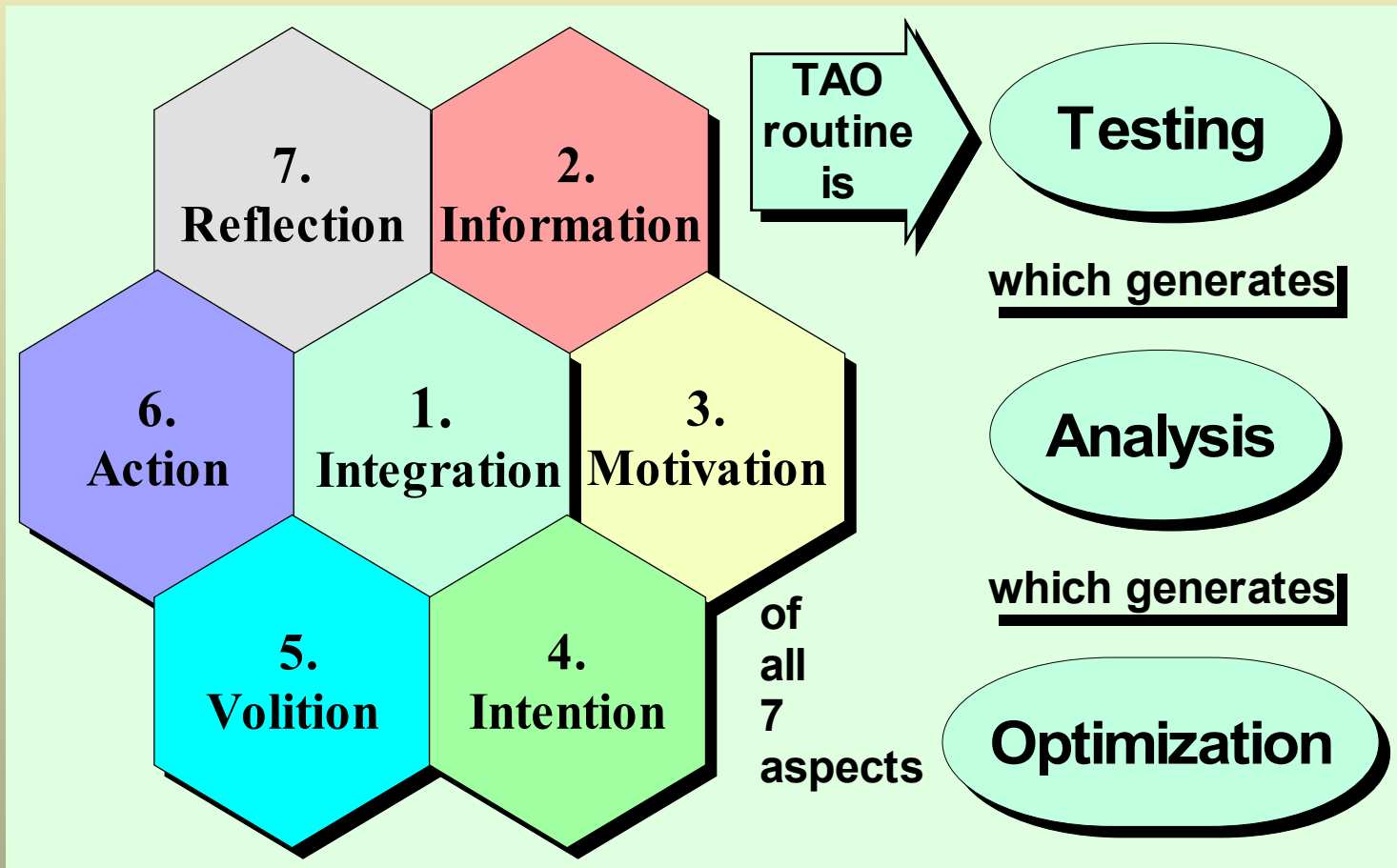
N 5

TAO

Model



TAO model



Medical Doctors as Consultants of H&E Educators



Integration of Two Worlds of Competencies

NGOs



**Public
Education**



- International NGOs
- National NGOs
- Environmental NGOs
- Medical NGOs



**Higher levels of the
education**

Universities

Colleges

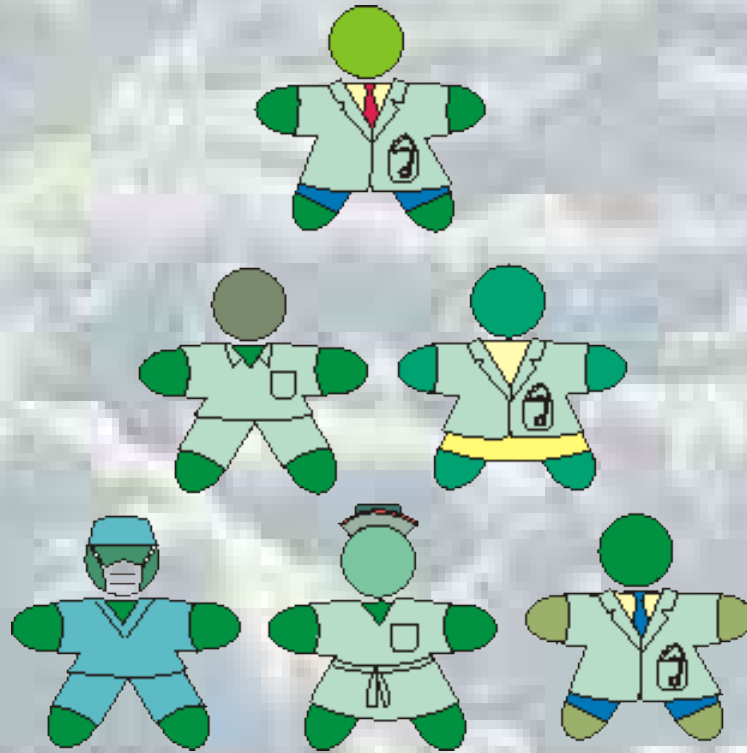
Secondary education

**Pre-school and
Primary education**

Medical Doctors as H&E Educators



„I'll give you NOT a **MEDICATION**, but an **EDUCATION!**“



For more information contact:

Dr. Lew Gerbilsky

greendoctors@ukr.net

Thank you for attention!

