

# INDIVIDUAL AND GLOBAL CHALLENGES IN INTEGRATING BIOS

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The Cosmos of Bios is integrated and integrating: microbial colonies – plant, animal, fungi, archaea, human biotopes – geographic and digital biotopes - cultural biotopes - corporate biotopes – social biotopes – political and cultural bodies



Abraham Bosse, 1561: Hobbes, Leviathan

## 8 Bios Properties in Human-Specific Characteristics

Communication – Cooperation  
Competence – Competition  
Contemplation – Calculation  
Compassion - Cultivation

These 8 biological properties can be found in different shades and shapes in all forms of bios and integrated biotopes, but they have found a specific manifestation in human persons, families, clans, cultures and political bodies – which are in flux and modifying in more or less harmony, - individuals and collectives are strong or weak, more or less skilled in survival; communities suffer from disease, frailness, cancer, metabolic disorders, collapse, death.

## The Bioethical Imperative

Bioethical Imperative: 'Respect every living being as an end in itself and treat it, if possible, as such'  
Fritz Jahr 1926 Life Sciences and the Teaching of Ethics

Categorical Imperative: 'Act in such a way that you treat humanity, whether in your own person or in the person of any other, never merely as a means to an end, but always at the same time as an end.'  
Immanuel Kant 1785 Grounding for the Metaphysics of Morals

Tat Tvam Asi – This is also You  
Upanishads, 5<sup>th</sup> century BCE

Love your Neighbor as you love Yourself  
Jesus, Mark 12:21

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**Selected Colony Collapse Disorder Risks:** Biological Risk (Pandemics, Poisoning, Starving) – Infrastructure Risk (EMP, Utility Network Risks) – Trust (Inefficient Financial Markets, Paper Money, Corrupt Officials) – Rebellion, Repression ('Occupy Wallstreet', 'Nuit Debut', 'Arab Spring') – Ideological Indoctrination, Legal Injustice, Intimidation, Incarceration)

## Biocosmology - Colony Health and Collapse Avoidance

### The Golden Rule:

'Love Bios' (Hindu, Dao, Confucius, Buddha, Jesus, Islam)

### Support Diversity:

'和而不同 - He er bu tong – in harmony but not identical' (Confucius, Lun Yu 13:23)

'Brethren, if you want true peacefulness in God, let us not lie about consensus when plurality seems to have been the goal of providence. No one among us reasons and feels precisely the same way as the fellow human does. Why do we hide from each other in masquerades in the most important issues of our lives, as God not without reason has given each of us his/her own image and face'.  
Moses Mendelsohn 1819

## Biocosmology – Colony Support Strategy

'Cultivate the self and virtue will be true; cultivate the family and virtue will be complete; cultivate the village and virtue will grow; cultivate the country and virtue will be rich; cultivate the world and virtue will be wide'.  
Tao te Ching 54

Cultivate communication and cooperation and bios will be true; cultivate competence and competition and bios will be complete; cultivate geography and cyberspace and bios will grow; cultivate society and country and bios will be rich; cultivate the entire cosmos and bios will be wide.

## Disorders, Diseases and Death of Body Politics

Czar Nikolaus I, 1852: the Ottoman Empire is 'the sick man at the Bosphorus'

Colony Collapse Disorder,  
Metabolic Disorder, Anxiety Disorder  
Inflammation, Exhaustion,  
Addiction, Cancer, Nightmare,  
Insomnia,  
Bacterial or Viral Infection, Poisoning,  
Physical Fitness, Healthy Living,  
Microbiome,  
Obese, Anorexia, Nervous Disorders  
Happiness, Depression, Lost Body Part  
Eye Sight, Hearing, Tactile Health,

[what else?]

What happened to the 'sick man at the Bosphorus' –

**Syria:** diagnose medical history and actual health of the general body politic and of organs, individual clans, small villages, other communities, health of schools, infrastructure, military and police, infection status, high or low blood pressure, forms of cancer, addiction, despair, deadly infections from the outside, other major sources of morbidity. –

**Diagnose other political bodies in disorder; name the main causes and suggest appropriate remedies**

Europe: .... – Your country; .... – Global body politic; .... – Your Private Club, Company, or University; .... – Your geographic neighborhood and/or your internet communities and interactions: ....

**Discuss your Diagnostic Results and suggested Options for Therapy with Patient/Patients, get other experts involved, involve yourself if possible.**

## Biocosmology: Behemoth and Leviathan engaging

Water Dragon Leviathan nurtures bios, provides networks, also brings destructive floods and tsunamis, Land Giant Behemoth builds tanks, city walls and line walls, also kills and tramples on vegetation, - Together these animals are in permanent interaction, neither one either good or bad, - Interaction is more complex than either bipolar or dialectic, mythological eternal ongoing win-and-lose of bios Symbolized in mythology of bios engaging since the times of the Sumer, 5000BCE. -

images from aol/images: Wqz212, William Drake 2025, Coartar Saraki



## Heaven and Earth – Biocosmos-Bioethics I

Chang Tsai 1020-1077

'Heaven is my father and Earth is my mother, and even such a small creature as I find an intimate place in their midst. Therefore, that which fills the universe I regard as my body and that which directs the universe I consider as my nature. All people are my brothers and sisters, and all things are my companions. - The great ruler (the Emperor) is the eldest son of my parents (Heaven and Earth), and the great ministers are his stewards. Respect the aged; this is the way to treat them as elders should be treated. Show deep love toward the orphaned and the weak, this is the way to treat them as the young should be treated. The sage identifies his character with that of Heaven and Earth, and the worthy is the most outstanding man. Even those who are tired, infirm, crippled, or sick, those who have no brothers or children, wives or husbands, are all my brothers who are in distress and have no one to turn to. - When the time comes, to keep him from harm, this is the care of a son. To rejoice in Heaven and to have no anxiety, this is filial piety at its purest. -

## Heaven and Earth – Biocosmos-Bioethics II

Chang Tsai 1020-1077

He who disobeys (the rule of bios) violates virtue. He who destroys humanity is a robber. He who promotes evil lacks (ethical) capacity. But he, who puts his moral nature into practice and brings his physical existence into complete fulfillment, can match (Heaven and Earth). - One who knows the rules of transformation will skillfully carry forward the undertakings (of Heaven and Earth), and one who penetrates spirit to the highest degree will skillfully carry out their will. - Do nothing shameful in the recesses of your own house and thus bring no dishonor to them. Preserve your mind and nourish your nature and thus (serve them) with untiring effort. - Wealth, honor, blessing, and benefits are meant for the enrichment of my life, while poverty, humble station, and sorrow are meant to help me to fulfillment. - In life I follow and serve (Heaven and Earth); in death I will be at peace.'

## Heaven and Earth – Biocosmos-Bioethics III

Jesus, Matth 6:9

'Our Father in Heavens, hallowed be your Name. Your Kingdom come, your Will be done, on Earth as it is in Heavens. Give us today our daily bread. Forgive us our sins, as we forgive those, who sin against us. Lead us not into temptation, but deliver us from the Evil. The Kingdom, the Power and the Glory are yours, now and forever.'

**! Biocosmologists of all disciplines and cultures unite !**

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*The world of bios is integrated from diverse multiverses to biological and human social biotopes and to the multitudes of microbiome colonies. Individual bios is terminal, but well integrated and integrating bios will continue. In order to live healthy and happy lives humans have to recognize that they (a) need to adopt to forms of bios, such as the seasons and geographies, which they cannot change, and (b) to change, what they can change and cultivate human and non-human biotopes for healthy and happy individual and collective human bios and the global bios. Reference will be made to specific properties of the human bios, such as cooperation and competition, to handle these challenges.*

'Make love, no War' John Lennon

Leviathan or the Matter, Former and Power of a Common Wealth Ecclesiastical and Civil  
(Thomas Hobbes, 1651)

