



# **A RATIONAL & SOCIAL VIEW OF SPIRITUALITY**

**April 25<sup>th</sup> 2021**

**“Webinar on Space Renaissance and Spirituality”**

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**SPACE RENAISSANCE INTERNATIONAL**



# OVERVIEW

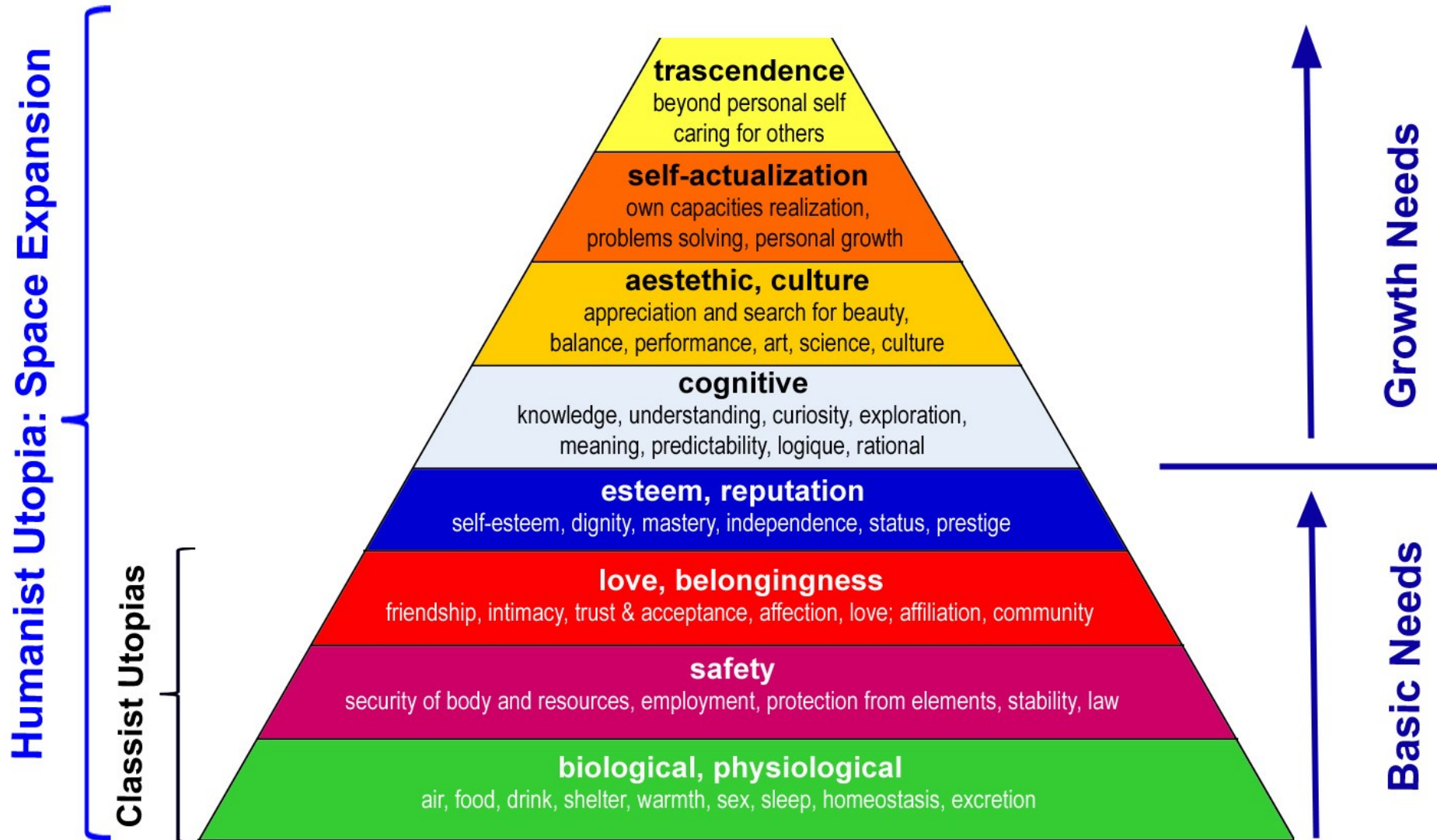
- **HUMAN NEEDS AND UTOPIAS**
- **COSMOGONY AND BIOLOGY**
- **EVOLUTION: A FULLY INCLUSIVE CIVILIZATION**
- **MORAL: AVOIDING A GIANT HOLOCAUST**



# HUMAN NEEDS AND UTOPIAS



# An extended Maslow Hierarchic Needs, and Utopias





# A HUMANIST UTOPIA FOR THE SPACE AGE

- A humanist utopia must include the complete satisfaction of all the needs schematized in Maslow's pyramid.
- Everyone must have the opportunity to become rich, without this involving, ever again, theft, murder, exploitation, coercion, suppression of the rights of others.
- And, all this, for a virtually unlimited number of humans:

**from each one according to their creativity and availability**

**to each one according to their desires and capacity of imagination**

**or: humans do not live by bread alone**

- **THE SUPERFLUOUS IS INDISPENSABLE!**



## SOME HUMAN TYPES<sup>(\*)</sup>

- Wanderers, or Explorers
- Settlers
- Inventors
- Designers
- Builders
- Protectors
- Visionaires
- Evolutors
- Phylosophers
- Thinkers
- Searchers
- Scientists
- Artists
- Teachers
- Communicators
- Organizers
- Mystics

(\*) Freely taken (and slightly extended) from Steven Wolfe, evolutionist phylosopher,  
Source: «The Obligation», published by Steven in 2015



# THE MULTIPLE INTELLIGENCES(\*)

- Linguistics
- Logical-mathematical
- Musical
- Visual-spatial
- Bodily-kinesthetic
- Interpersonal
- Intrapersonal
- Naturalistic
- Existential

(\*) Howard Gardner, American developmental psychologist. Developed the theory of multiple intelligences, 1983 “Frames of Mind: The Theory of Multiple Intelligences”



# FREEDOM FOR ALL HUMAN TYPES

- Let's think about the huge number of combinations between the two lists of human characteristics, and the analogic grading of each characteristic
- We begin to understand why each individual is unique, and owns unique goals, wishes, aims and capabilities
- We also understand why demographic growth is indispensable: by population growing, human types further differentiate and grow up in number and cultural variety
- Every human type, or almost every person, is characterized by personal inclinations, dreams, tendencies and projects
- In order to guarantee the freedom of existential choice, it is necessary to move towards the abundance of space and resources





# ASTRONAUTIC HUMANISM: BASIC REQUIREMENTS

- Compassion for all humans and all the other sentient beings
- Full inclusion: all humans are resources not problems (J. Simon vs. T. Malthus)
- Cultivate intelligence and awareness
- Rationality
- Science as a method
- Zero dogmas
- The only merit is intelligence and culture
- Individuals get credits by their intelligence, awareness and culture: three capacities that can be trained and empowered
- The human species too get credits by growing intelligence, awareness and culture: three capacities that change the human DNA, becoming permanent



# A NEW – YET ORIGINAL – CONCEPT OF RELIGION

- In order to guarantee the freedom of existential choice, it is necessary to move towards the abundance of space and resources
- The equitable management of scarce resources has always been a harbinger of authoritarianism and dictatorial bureaucracies
- Civil, free and democratic development requires abundance of resources
- The ability to manage abundant resources is the real challenge of the future, in the Solar ecosystem
- It is also clear that only unified efforts – and not just the inner individual transformation called by mystics – can achieve this goal, that's the highest social goal: expanding civilization into space
- That's why big efforts, motivated by shared high ideals, are necessary
- That's why the space renaissance *also* needs a new concept of  
**religion = unifying efforts**
- for a shared evolution goal



# THE EXPANSIONIST STRATEGY

- All the ideologies developed so far in history have served as engines of development, but have generated conflicts and cultural distortions that are difficult to overcome.
- Are all ideologies therefore dangerous?
- An expansionist ideology is the only one that does not need 100% consensus to be developed.
- Unlike other strategies -- e.g. degrowth -- it is the only one that can be developed in a democratic and free way, without coercion or authoritarian regimes
- Expansion is the only strategy that guarantees freedom, and full fruitful use, of all human types and all types of intelligence,
- and doesn't mortify anyone of the human types

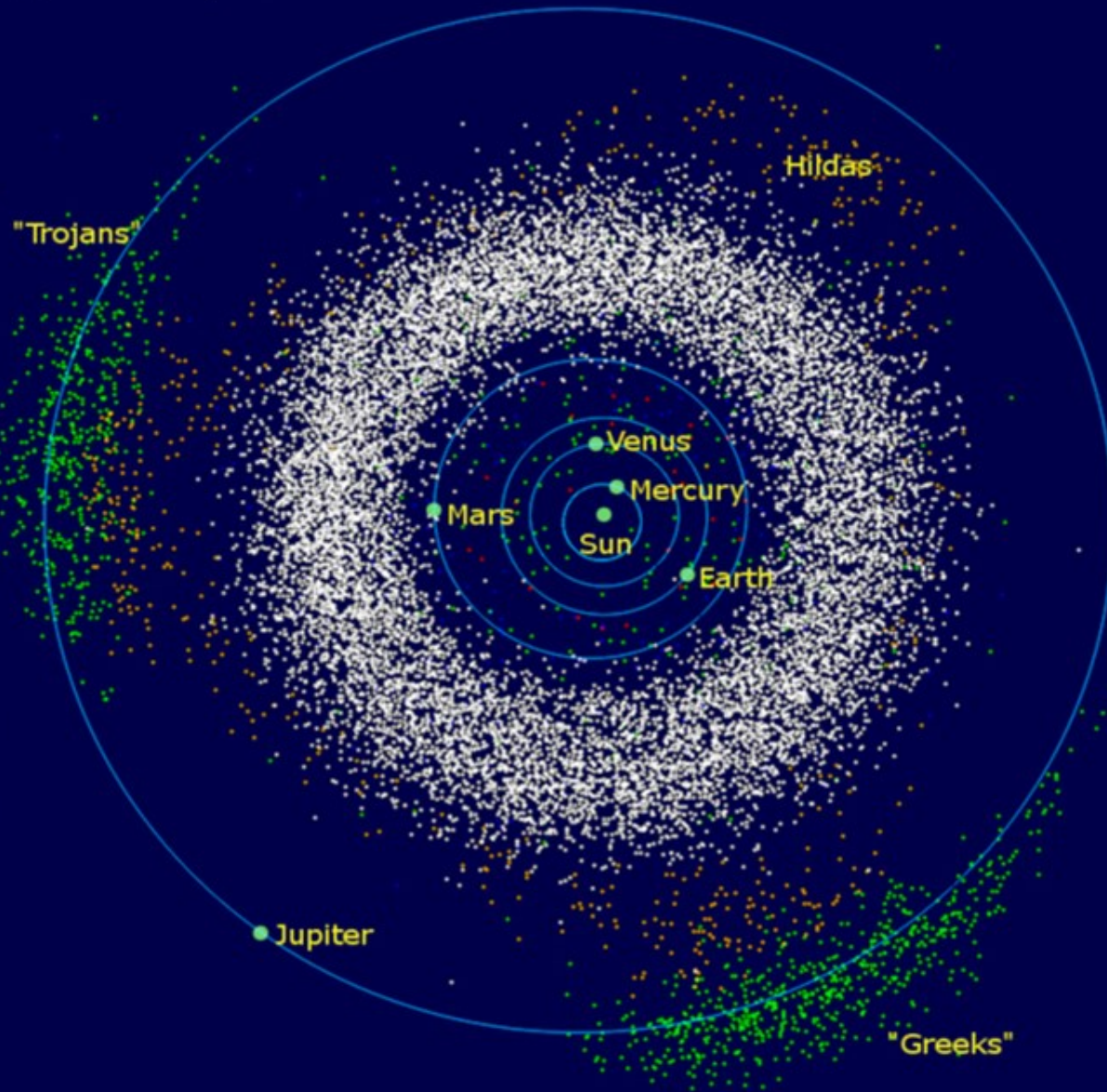


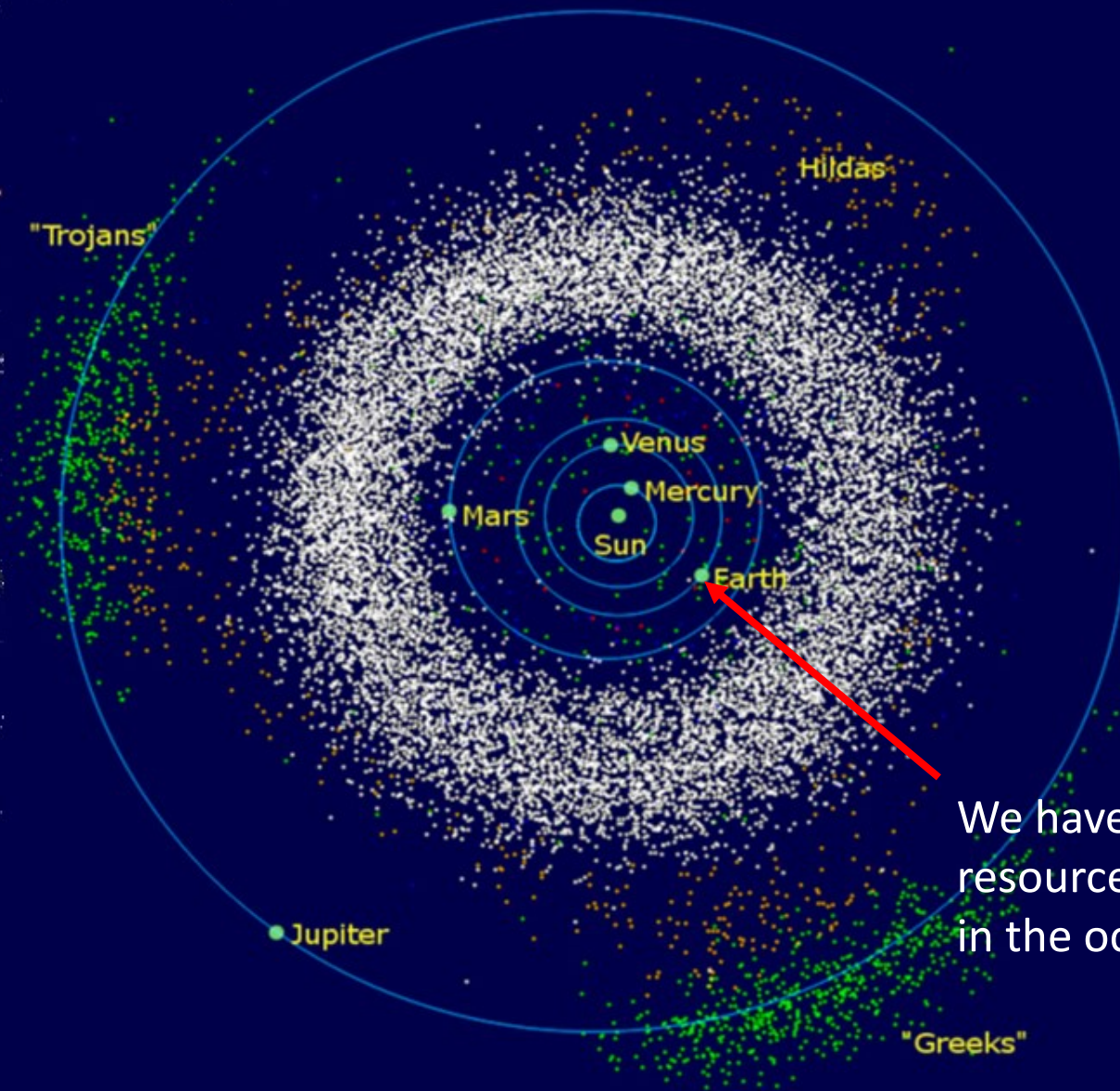
# COSMOGONY AND BIOLOGY

# THE SOLAR SYSTEM WE LEARNED AT SCHOOL...



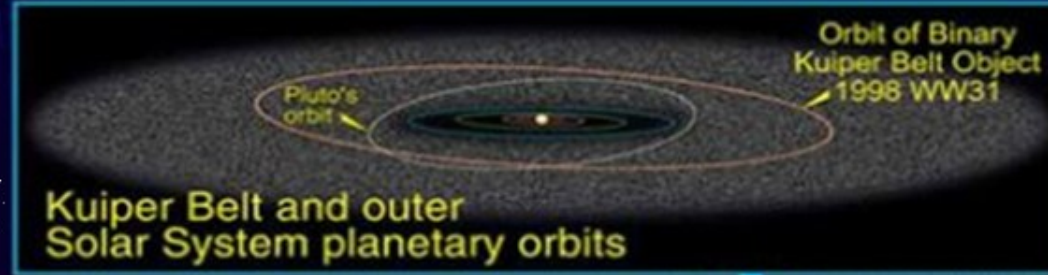
# AND THE REALITY!



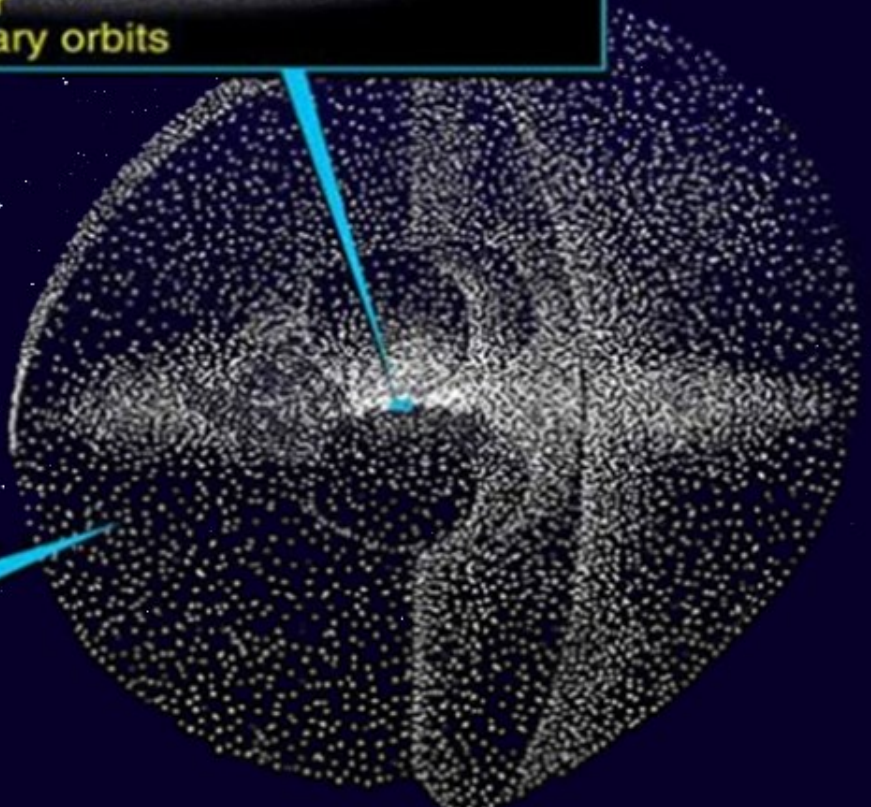


We have exhausted the resources of this grain of sand in the ocean of the solar system....

# THE OORT CLOUD



The Oort Cloud  
(comprising many  
billions of comets)



*Oort Cloud cutaway  
drawing adapted from  
Donald K. Yeoman's  
illustration (NASA, JPL)*



# JUPPITER IN THE MYTHOLOGY





- **The Solar System is anything but a well-ordered and peaceful place!**
- **It is a boiling pot or, better, a living organism ...**
- **In its inner core (within the orbit of Mars), life develops.**
- **Our Earth is a biosphere suitable for the development of an intelligent species, with the ability to reproduce itself in the cosmos:**
  - **Comets and other objects fertilize the inner core and interact therein**
  - **The system supports the development of living organisms**
  - **The system protects the inner core by large dangerous objects (see the comet Shoemaker Levi, captured by Jupiter in 1996)**
  - **When intelligent beings are grown, the system stimulates their liveliness and action, shooting asteroids in the inner core**
  - **The system eliminates the failed experiments, using the same tools used for the evolutionary process described above**
  - **Somehow, the system "remembers" errors, and "redraws" the next experiments**



- The Asteroids Belt holds resources for the development of a trillions citizens Solar Civilization
- The Kuiper Belt provides even more resources, for millennia to come
- The Oort Cloud is a kind of a giant freezer, including trillions of comets, composed by ice and basic life components
- Why do we keep having troubles and being concerned about growing up to 9 or 10 billions???
- Once more, the Lord, or the Evolution, endowed us with enough resources, to develop and multiply up to trillions of unique human individuals...



***The LORD is my shepherd, I shall not be in want.***

***He makes me lie down in green pastures,***

***He leads me beside quiet waters,***

***He restores my soul.***

***[.....] Even though I walk through the valley of the shadow of death,***

***[.....] Surely goodness and love will follow me all the days of my life,***

***And I will dwell in the house of the LORD forever.***

*Psalm 23 [David]*

- Of course, ***it is up to our good will***, to reach the pastures where they are, using our intelligence and scientific capabilities!

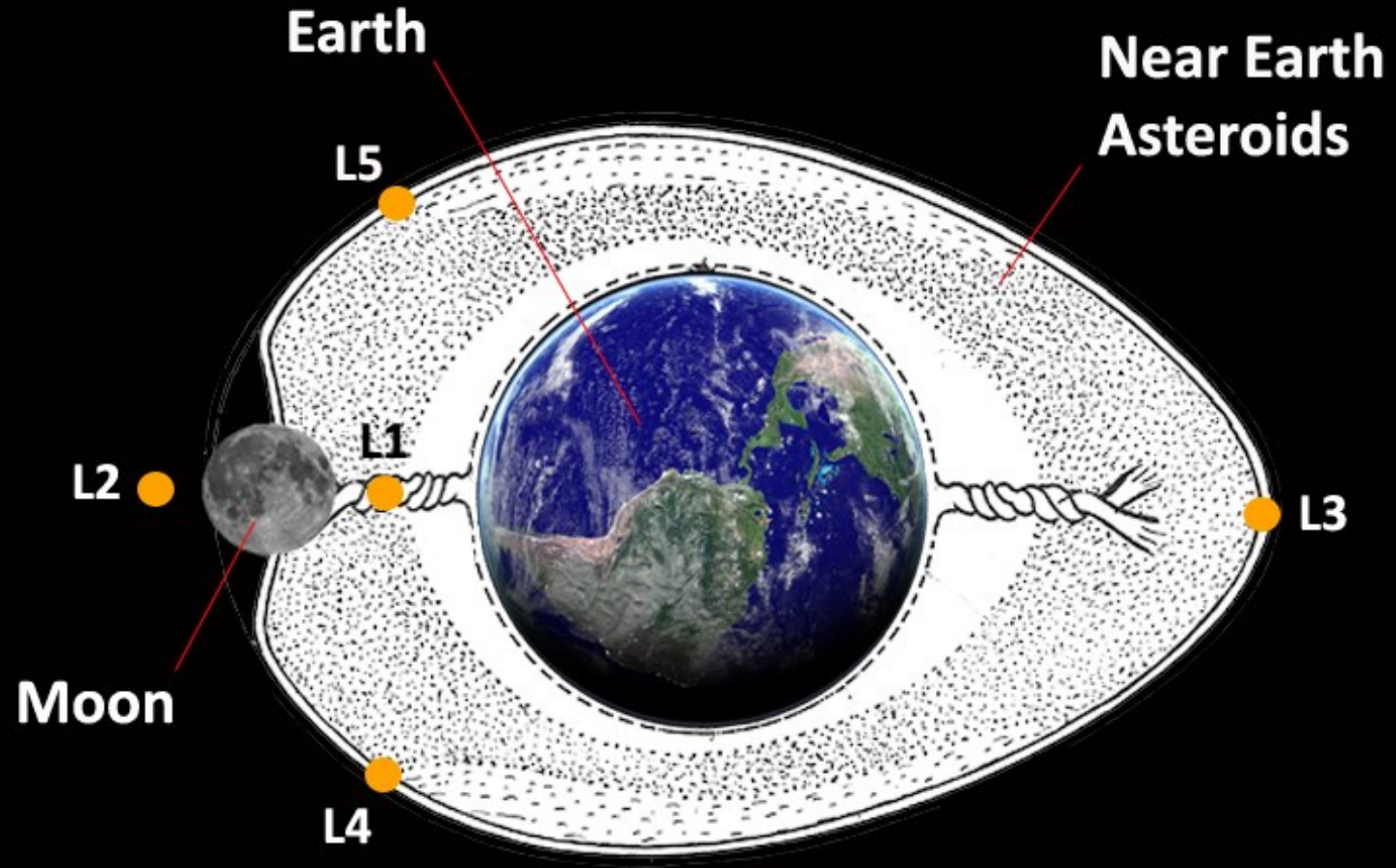


# THE BLOOMING OF LIFE: AN EGG ANALOGY



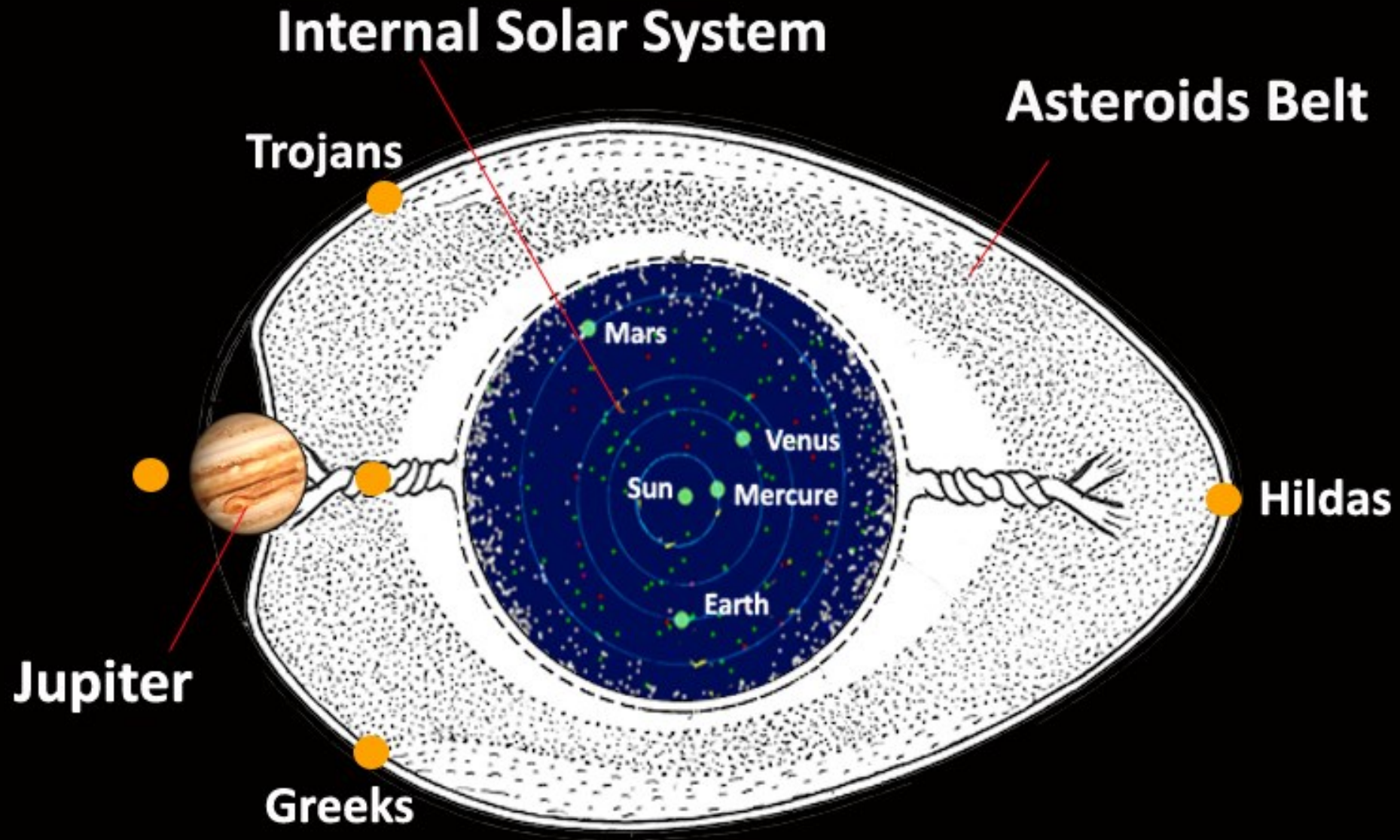


# THE BLOOMING OF LIFE: GEO-LUNAR



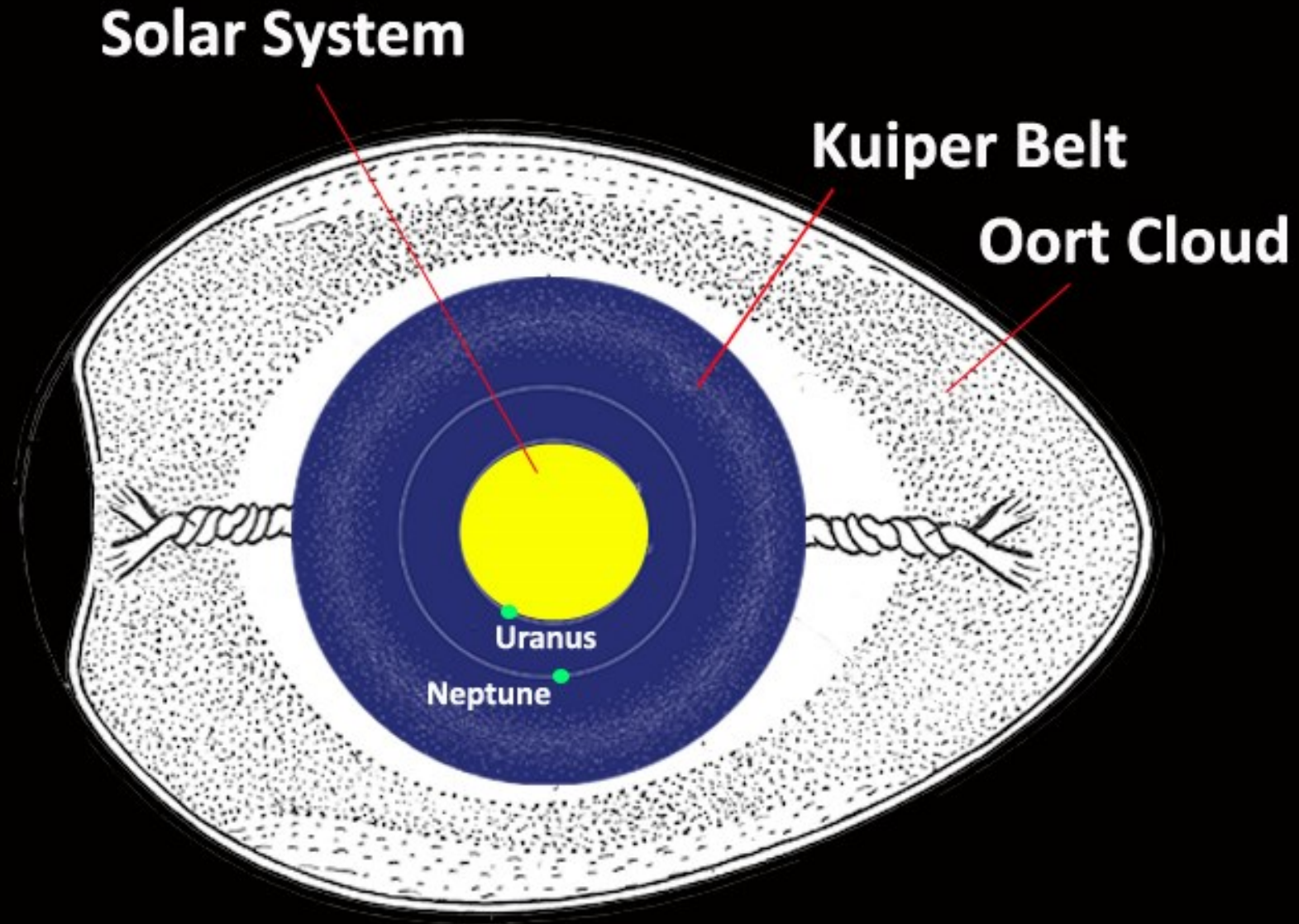


# THE BLOOMING OF LIFE: JUPITER





# THE BLOOMING OF LIFE: OORT



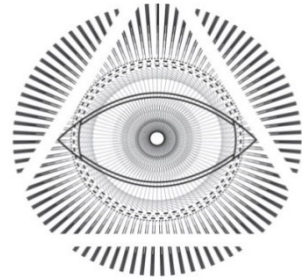




**EVOLUTION:  
A FULLY INCLUSIVE CIVILIZATION,  
A FULL HUMAN STATUS**



## A LONG HISTORY FROM PRIMITIVE ADORATION OF THE SUN TO MATURE SPIRITUALITY....



**GOD = A PERFECT AND  
UNREACHABLE MODEL**



?

We always needed someone or something “else”,  
to control, feed and bound us,  
(acting *in the place* of God):

- Church,
- Government,
- Nature...

humans = imperfect... bounded to Earth...  
unable of initiative... an eternal child

**IN THIS MODEL, ALL UTOPIES  
SO FAR WERE... UNFEASIBLE**

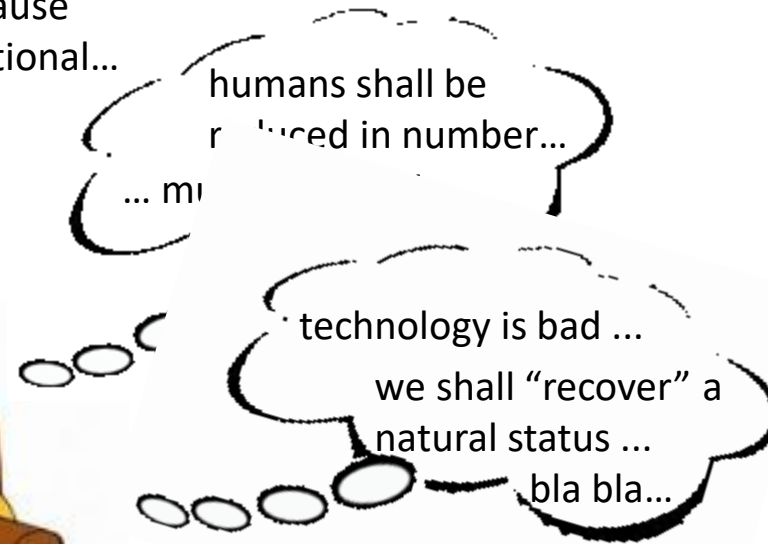


the animals natural ferocity...

they kill but they are innocent, because they're not rational...

“new” models are provided by the same nihilist ideologies (de-growth... animalism...)

The old models are challenged by the closed world nihilist syndrome...



rationally, re and toward a quasi-animal status

So our poor child feels alone again...



**ANIMAL**



**ANIMAL 2.0**  
(spoken language)



**“HUMANS”**  
(so to say)

.....



**HUMANS**  
(solar)





# CIVILIZATION EVOLUTION

- Nicolai Kardashev classified civilization according to **energy** harvesting capacity:
  - type I – using own **planet's** energy
  - type II – using own **solar system's** energy
  - type III – using own **galaxy** energy
- Paul Ziolo, in his psychohistory dissertation, discussed the probabilities that our civilization can move to type II: he can be considered the true philosophical development of the Kardashev classification scale
- Bob Zubrin added **resources** as a valuation criteria
- Carl Sagan added **information**
- We (SRI), in our Congress next June, will discuss the addition of a 4<sup>o</sup> criteria: **social inclusion**
- A civilization can call itself a type II only when it will be able to assure equal opportunities to all of its members
- Earthers can reach a **totally inclusive society** only expanding into Outer Space, harvesting the resources and energy of the Solar System
- Civilian Space Development is the 3<sup>o</sup> millennium's feasible utopia: **the highest Maslow's objectives, available for everybody**



# THE CHALLENGE: GROWING BEYOND EARTH'S LIMITS

- The multiple crises and the consequent increasing pressure is the way nature pushes evolution to make giant leaps ahead.
- When a species, by its development, reaches the limits of its own ecological niche, nature raises the pressure on it, to force it to an evolutionary leap, if capable, or to extinction, as already written in this document.
- That's the way nature acts, to solicit evolution: it raises the pressure on the selected species, by all the available means (Krafft Ehrlicke).
- To the quantitatively extrapolating mind, the pressure of multiplication appears to be a limit to growth, when in reality, evolutionary pressure is nature's preparation for the next growth thrust (Krafft Ehrlicke).
- Science, the fruit of human intelligence, is the only weapon we have to go beyond the limits and traps set by nature.
- Our number, which have become excessive within the limits of our planet, are the true wealth of our species, if we accept the evolutionary challenge set by nature.



# MORAL: AVOIDING A GIANT HOLOCAUST

- Our civilization may implode under the multiple crises in the closed world
- Pandemics, extreme climate changes, unemployment, pollution, economic crisis, resource wars and conflicts, migration flows, raw materials and food scarcity
- Raise of social fear, extreme distrust and fear of the future
- Anti-human de-growthist ideologies, aimed to maintain the world closed, claiming to “solve the problems on Earth before going to space”, keeping humans fighting for the remaining scarce resources
- Progressive decrease of freedom, democracy and ethics
- Stephen Hawking foretold that this planet will not sustain more than one billion people before the end of the 21<sup>st</sup> century
- That would mean a giant holocaust, of 7 billion people
- The only way to avoid such a loom future: to kick-off civilian expansion into space, NOW



# EXPLORATION OF THE SOLAR SYSTEM: A SOCIAL OBJECTIVE

*«While civilization is more than a high material living standard, it is nevertheless based on material abundance.*

*It does not thrive on abject poverty or in an atmosphere of resignation and hopelessness.*

*It needs vigor as well as vision.*

*Therefore the end objectives of solar system exploration are social objectives in the sense that they relate to, or are dictated by, present and future human needs.»*

*Krafft Ericke 1970*





# THANKS FOR YOUR ATTENTION!

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