

UNIVERSAL  
DECLARATION  
OF  
LIVING BEINGS  
COEXISTENCE



*Article 0*

*Life exists in the Universe.*

*The living beings aware of their existence  
would like life to be perennial.*

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

## FOREWORD

This UNIVERSAL DECLARATION OF LIVING BEINGS COEXISTENCE attempts to propose benchmarks and organizational keys which would make it possible to respond to the numerous calls from the United Nations-IPCC-IPBES-COP warning since the end of the 20th century about the “planetary boundaries overshoot”: the structurally divergent trajectory (increasing and blind) of the organizational model that we have inherited would endanger the existence of living beings on our finite planet.

**The human species would therefore be obliged to invent a new organizational model if we wish to preserve the perennality of living beings on the long term.**

This document therefore brings together in a very synthetic way the common hypotheses of the existence of living beings and proposes **a minimal organizational structure:**

- separation of powers,
- principles,
- necessary measures of reality to be continuously updated (indicators),

which would give us knowledge of the “right” LIMITS, would empower us to respect them, and thus would allow the establishment of a perennial organization for living beings existing in a finite biosphere.

The elements presented here are the conclusion of the analysis developed in the Living Beings Manifesto, available free online here [www.peacenlive.com](http://www.peacenlive.com). If you are missing information to understand certain elements presented here (among others the *Universal Terrestrial calendar*), do not hesitate to consult this Manifesto.

These proposals do not claim to be irrevocable and are to be continuously updated with knowledge extension, accordingly with the first postulate of the physics of the Universe: the laws of the Universe are homogeneous throughout the Universe (no singularity).

*Therefore, if something does not happen as “expected” somewhere in the Universe, it may be because the current description of the Universe that we have is incomplete or incorrect; it is therefore necessary to remain open at all times to learn from the Universe, and to improve and update the description of its laws.*

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

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LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY



A

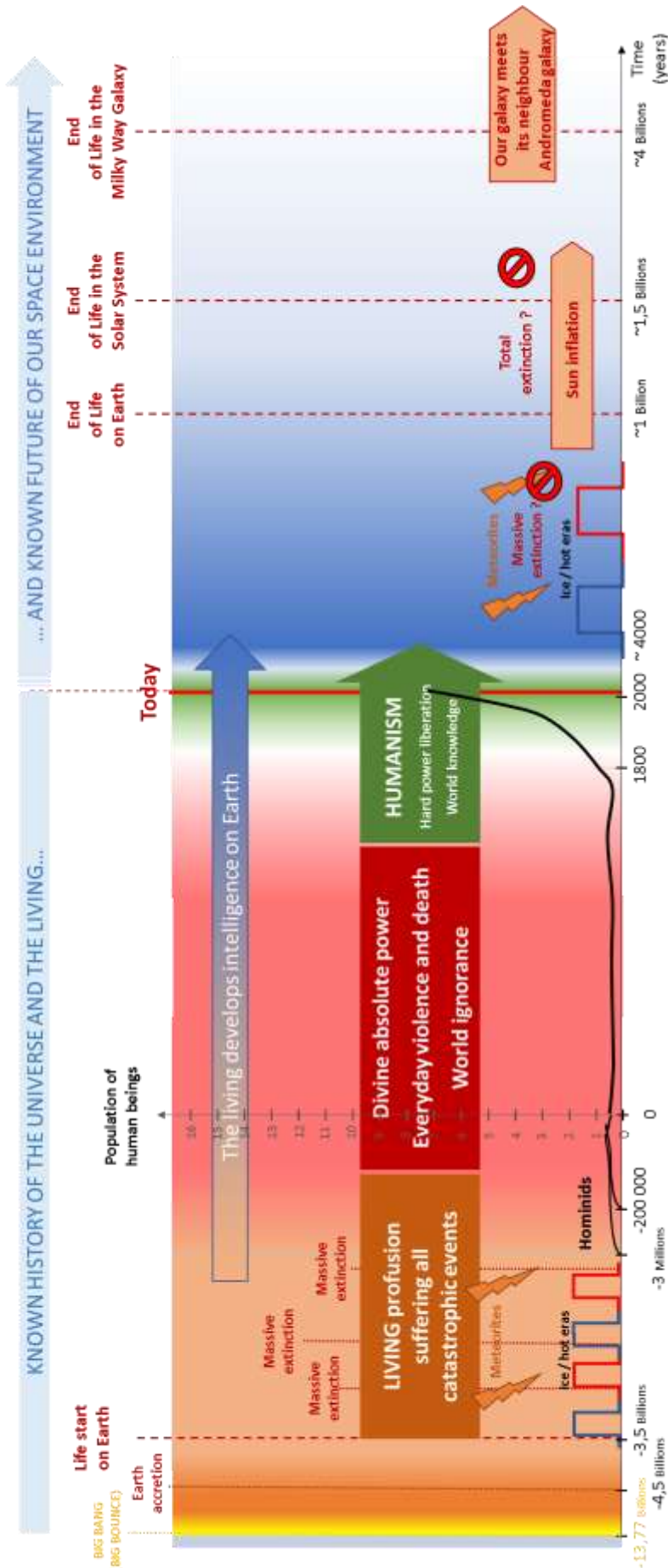
LIVING:

COMMON

HYPOTHESIS

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

# I. HISTORY AND FUTURE



## II. EXISTENCE IN THE UNIVERSE

### Article A.II.1

FINITE BIOSPHERE: In the Universe (TIME, SPACE, MATTER, ENERGY),

- ✓ in a sufficient volume containing a sufficient quantity of MATTER,
    - in a physical context allowing the SOLID, LIQUID AND GASEOUS states of MATTER to coexist (pressure, temperature, gravitation, inertial acceleration – rotating frame),
    - MATTER made up of a suitable distribution of atoms (C,H,O,N,Ca, etc.), including the presence of liquid water (H<sub>2</sub>O) in large quantities,
  - ✓ in the presence of an almost constant source of ENERGY on a cosmic scale (millions of years - radiation from a star or internal fusion of a planet),
- a spontaneous form of construction and animation of MATTER can exist: **THE LIVING**

The LIVING is made up of LIVING BEINGS in osmosis with their inert environment (physical and chemical properties of the environment) and interdependent between each other (food chains,...): no LIVING BEING can exist alone. They COEVOLUTE together in a continuous chain, self-transforming, adapting, improving themselves in their environment.

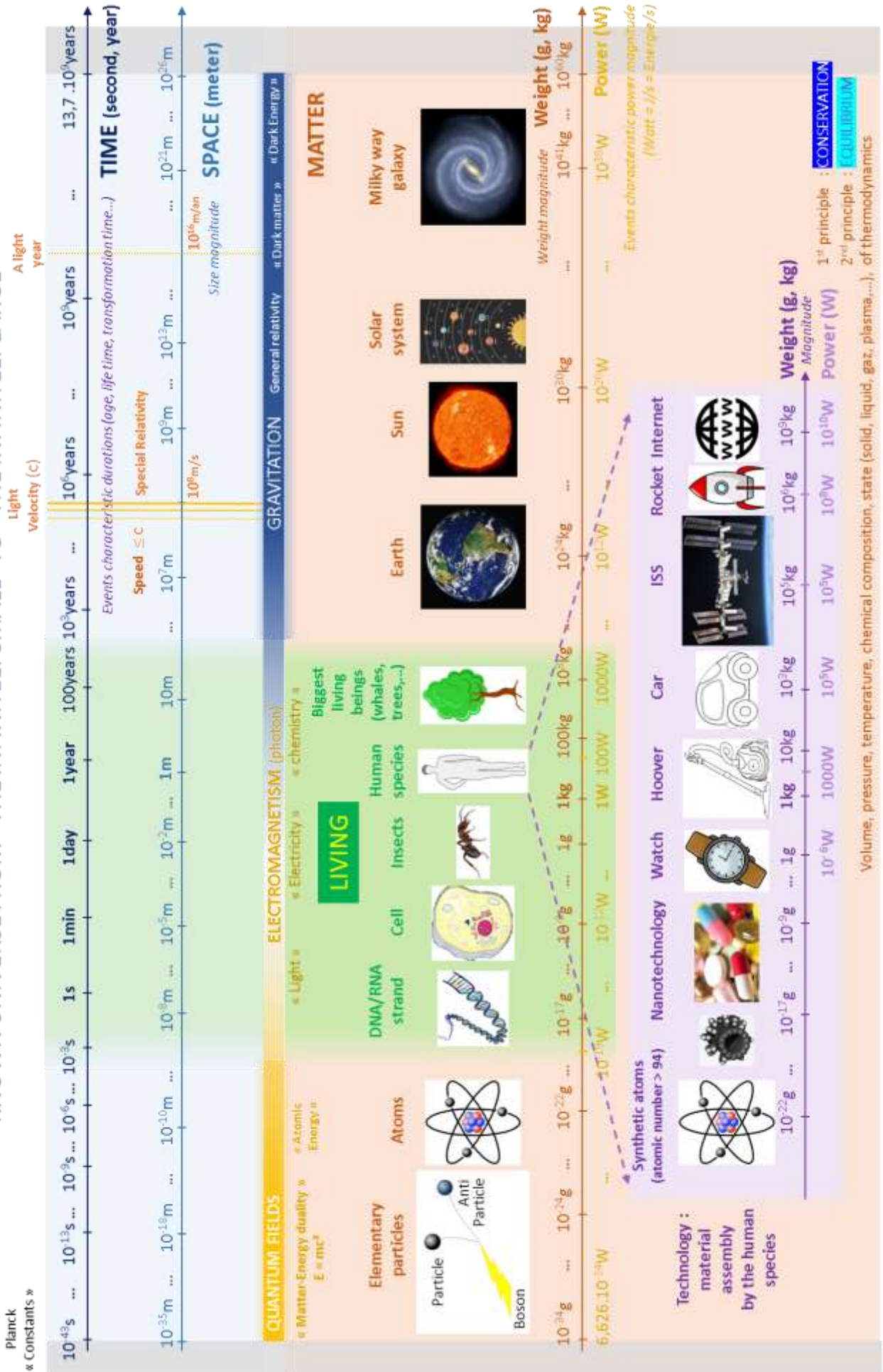
#### Notes:

- *The living really exists in the "Universe", the terrestrial rock really being a space rock "like the others", where the physical and chemical conditions are simply adapted to life. The fact that living beings do not turn to dust in the space station or on the Moon demonstrates that the earth rock does not have a "specific property" that would allow life to exist.*
- *The origin of existence in the Universe of this spontaneous capacity of construction and animation of MATTER is a mystery for the human species.*

### Corollary A. II. 1 (contrapositive)

*If the capacity of existence of living beings remains a mystery, one CERTAINTY is that living beings, as we know them on Earth, cannot exist outside of the previous physical and chemical conditions.*

# KNOWN UNIVERSE FROM “THE INFINITELY SMALL” TO “THE INFINITELY LARGE”



### III. A LIVING BEING IN A FINITE BIOSPHERE

#### Article A.III.1

#### LIVING BEING: (nature)

A living being is a closed set of matter having a wall between an interior and an exterior, provided with an own, spontaneous, autonomous and homogeneous capacity at every point of its interior to manage MATTER and ENERGY to achieve its process of:

- construction,
- operation,
- maintenance,
- and reproduction,

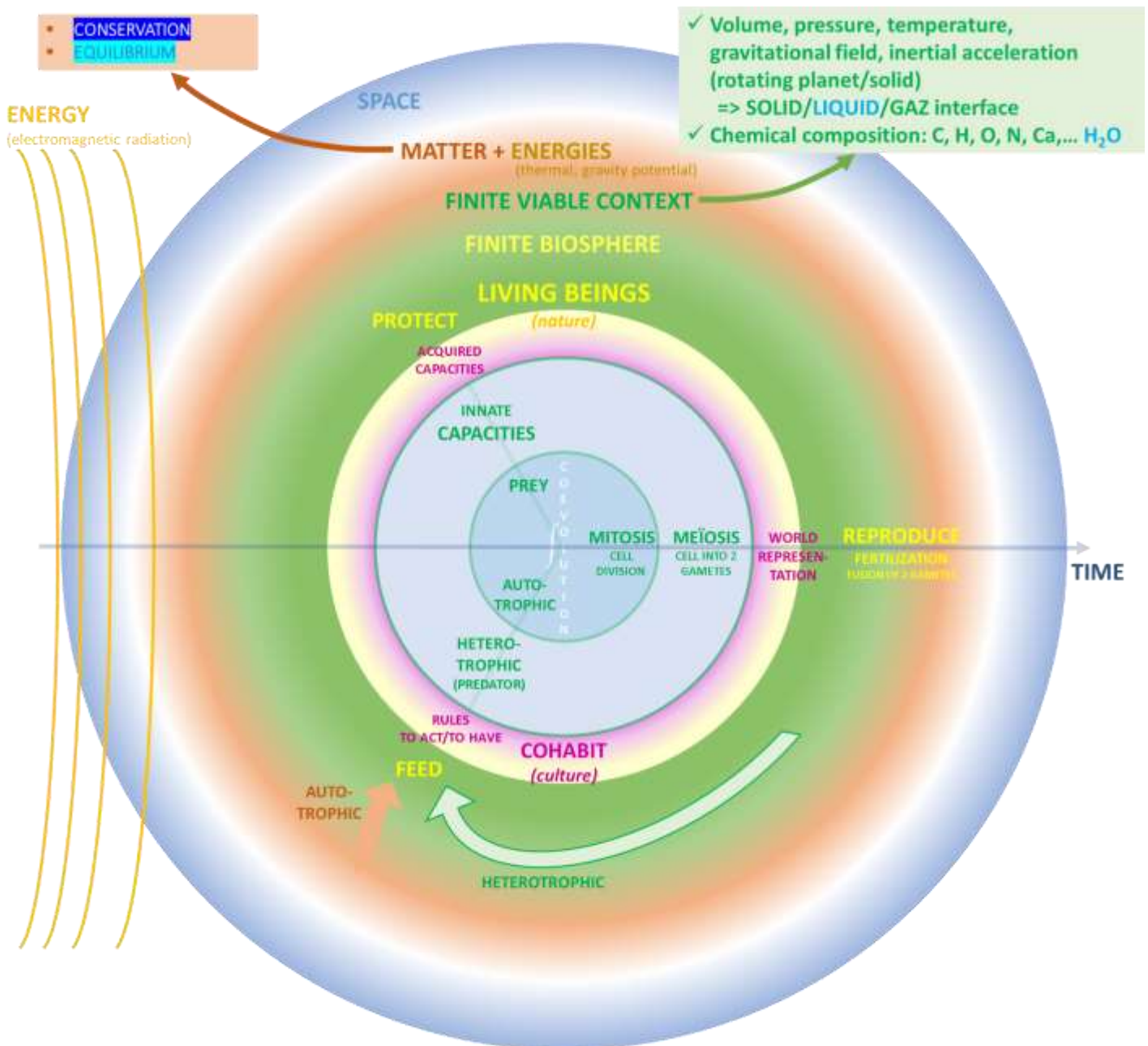
processes carried out by the cell for terrestrial life (concept of autopoiesis).

The construction of the living seems to take place around 3 stages:

- digestion (feed):
  - **autotrophic:** capable of constructing its own organic matter from “inert” MATTER and ENERGY (light, thermal);
  - **heterotrophic:** feeds on organic matter produced by other living beings or digestion of other living beings (prey-predator).
- cell division: identical replication of a cell (*mitosis, DNA/RNA*).
- cell fusion (*sexual reproduction*): *meiosis* of a cell into two gametes ("half cells"), one of which fuses with a gamete produced by a congener of the same species, to give a new cell (*fertilization*), a new living being.

Living beings have INNATE CAPACITIES allowing them to live in their ecosystem:

- ✓ capacities to recognize their biological identity:
  - self and not self (immune system);
  - their group of similar/breeding individuals (species);
  - their place in the food chain (prey/predators).
- ✓ operational capacities adapted to their environment:
  - perception in the environment (the senses: sight, hearing, etc.)
  - information processing (the nervous system, the brain, etc.)
  - mobility (limbs, fins, wings, etc.)



Many species use their INNATE CAPACITIES for COHABITATION purposes (culture):

- modeling the use of these capacities in a specific way: ACQUIRED CAPACITIES to communicate (languages), feed, build (technique), defend, entertain oneself...
- defining a frame to live together: rules TO ACT and TO HAVE,
- based on a shared representation of the world (values, mystery, beliefs).

From this construction in a culture, there exists a secular inertia from which the principle of secularism is born: acceptance and respect for differences are necessary to allow peaceful cohabitation of living beings.

Page 10: “The living develops intelligence on Earth”

Choice to define the word “intelligence” in this UNIVERSAL DECLARATION as the set of CAPACITIES enabling a species to construct in MATTER the tools (technology) allowing it to extend its perennality through SPACE emptiness.

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY



**B**

**EQUALITY:**

**TO ACT AND TO HAVE**

**IN A**

**FINITE BIOSPHERE**

« *PROBLEM* »

What measures of reality,  
with knowledge of their limit,  
should be kept up to date  
and made available to all,  
and by what minimal institutions,  
to enable the realization  
of a justice TO ACT and TO HAVE  
while respecting  
the limits of a FINITE BIOSPHERE?

## I. NEED DEFINITION

### Article B.I.1

FINITE BIOSPHERE: ANY ORGANISATION SHALL

- exist,
- be designed,
- be capable to adapt itself,

in order to empower the perennality of the living beings existing in a finite viable context.

### Article B.I.2

TO ACT: ACTION OF ALL SHALL BE

- PERMANENT,
- RELEVANT for oneself and for the coexistence of living beings in a given ecosystem,
- DIVERSIFIED with a maximum FREEDOM of orientation.

### Article B.I.3

TO HAVE: DISTRIBUTION FOR ALL SHALL

- cover our NEEDS exactly, without growth nor decrease  
= **no one dies of hunger, cold/heat or mild disease,**
- fairly VALUE our action (duration, involvement, results, skills, responsibility),
- RESPECT the limits of resources in a given viable context to allow their perennial renewal.

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

## II. MINIMAL ORGANISATION

Article B.II.1

# STATE

composed of

## 3 SEPARATED INSTITUTIONS

at the service of

the perennality of the living beings :

### FINITE BIOSPHERE

Definition and update of the measures, rules, and limits of the finite viable context.

#### TO ACT

Permanent, relevant  
and diversified ACTION  
of all the human beings.

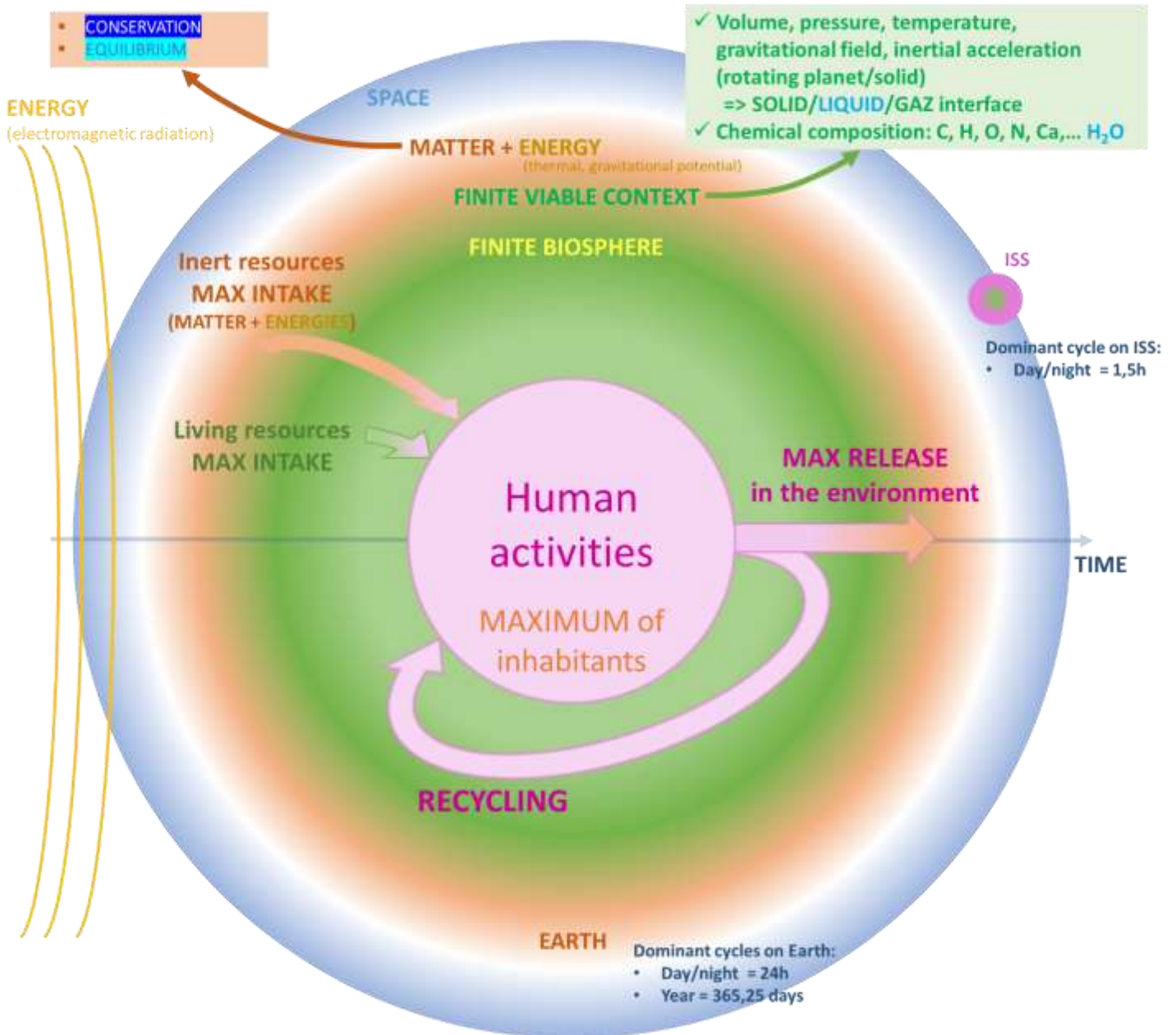
#### TO HAVE

Fair DISTRIBUTION  
of the production  
to all the living beings

Article B.II.2

# FINITE BIOSPHERE

Known for now : Earth + International Space Station (ISS)



**KEY INDICATORS = Measures and limits of the reality to be continuously updated :**

- **TIME** : duration of viability of a context: estimated start and end dates of life in the given context.
- **SPACE** : Definition of the SPACE occupation (Lands/Seas/Sky):
  - space to be left inoccupied by the human species to leave room for the profusion of biodiversity and the establishment of the living perennality.
    - continuity of this inoccupied space through the biosphere to allow the co-evolution of living beings to be preserved.
  - space exploitable by the human species.
  - space habitable by the human species.
- **MATTER**
  - Volume, Pressure, temperature, gravitational field, inertial acceleration (for non-negligible rotating reference frames: spaceships rotating on themselves or base on an asteroid rotating on itself).
  - Interface solid/liquid/gaz (Lands/Sea/Sky),
  - Composition of the context : (minimum for the existence of terrestrial life)
    - atoms of "terrestrial life", constituting on average more than 95% of the mass of terrestrial living beings: C, H, O, N, Ca, ...;
    - molecules of "terrestrial life": **water H<sub>2</sub>O** constituting more than 60% of the mass of all living beings, ....

⇒ **MAX intake assessment in inert MATTER and MAX release assessment in the environment.**
- **ENERGIES** :
  - “Primary” energies: “permanent” at the scale of a solar system (star system).
    - “solar” (radiation from the sun, from the star),
    - gravitation (hydraulic energy from falling water, tides, etc.),
    - wind power,
    - “Internal” thermal energy (molten core of a planet).
  - “Secondary” energies: finite resources at the scale of a planet produced from the transformation of "primary" energies.
    - “fossils”: molecules “storing” solar energy (carbon chains resulting from the photosynthetic construction of living beings), others,
    - “atomic”: atoms “storing” the gravitational energy of a star (radioactive atoms).

⇒ **MAX intake assessment of ENERGIES.**
- **LIVING** :
  - Autotroph living beings ("plants"),
  - Heterotroph living beings ("animals"):
    - “Intelligent” species (capable of building tools to cross SPACE emptiness) = number of human beings at the moment (0056 cUT – 2024 cG).

**MAXIMUM of “intelligent” living beings viable in the context.**

⇒ **MAX intake assessment of living resources.**
- **TECHNOLOGY** : context-specific tools to ensure the perennial survival of the inhabitants.

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

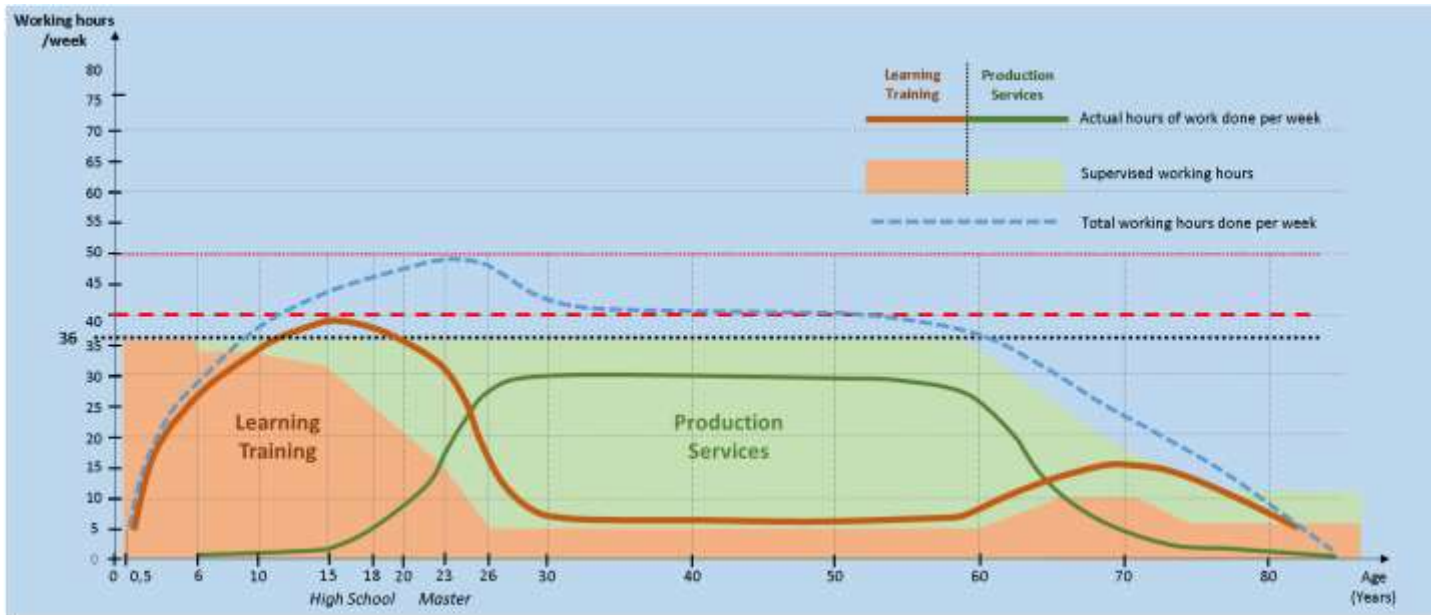


Article B.II.3

**TO ACT**

Example of an average ACTION pace over a lifetime :

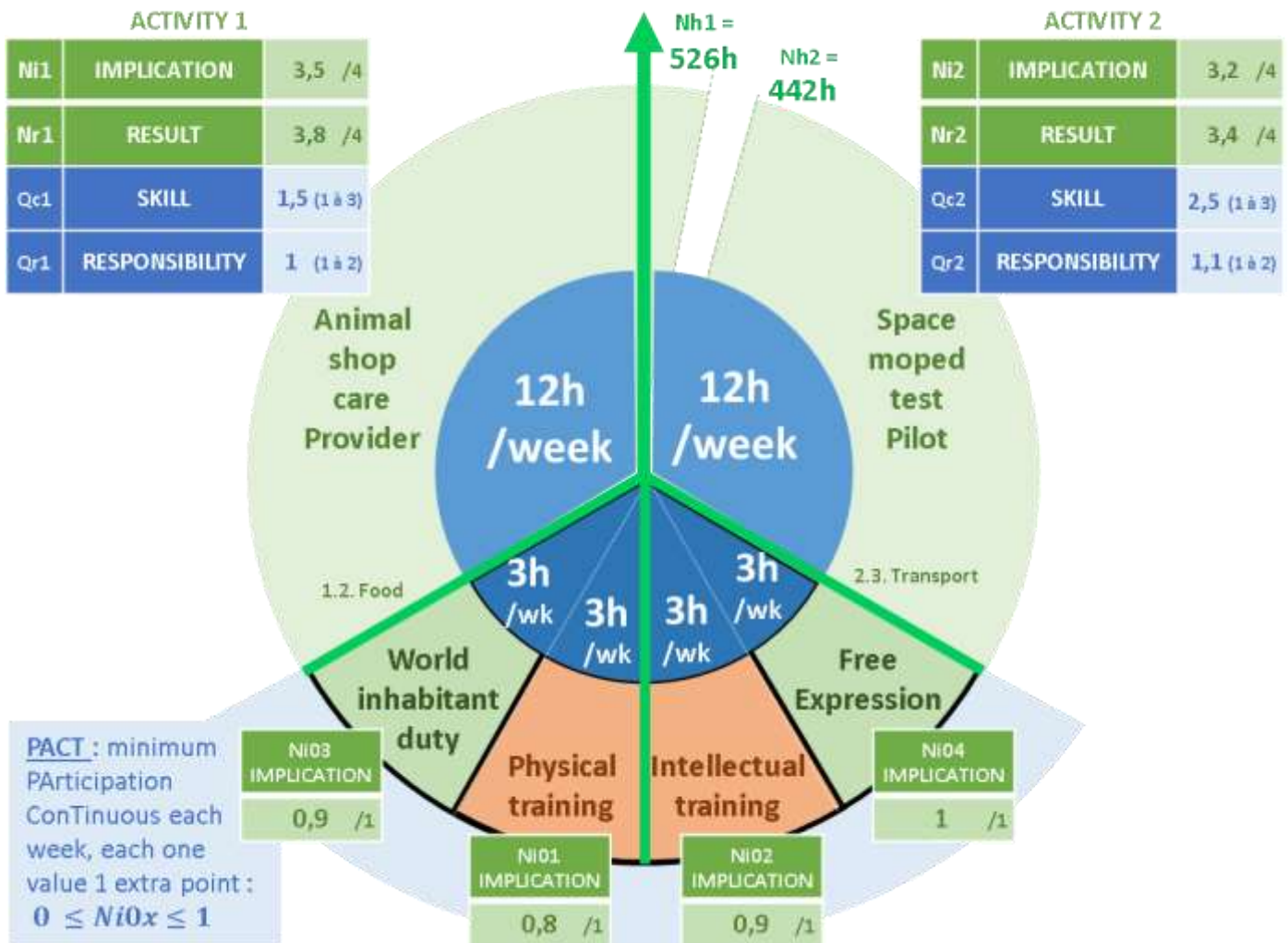
36h/week + 10 weeks of vacation per year (=1500h/year =  $h_0$ )



KEY INDICATORS = Measures of the reality of human beings action :

- ACTION organized like so:
  - O. ADMINISTRATION (3 INSTITUTIONS FINITE BIOSPHERE – TO ACT – TO HAVE MANAGEMENT)
  - A. PRACTICE Cohabit – Knowledge – Skills
  - B. ACHIEVE
    - 1-10 Production of the 10 RESOURCES
  - C. TEACH – RESEARCH
    - => PROTECT Peace and Security
- VALUE:
  - ✓ Implication
  - ✓ Result
  - Skill
  - Responsibility
- PARTICIPATION :
  - ANNUAL =  $h/h_0$  . Skill . Responsibility . (Implication + Result)
  - CUMULATED = Sum of the ANNUAL PARTICIPATIONS

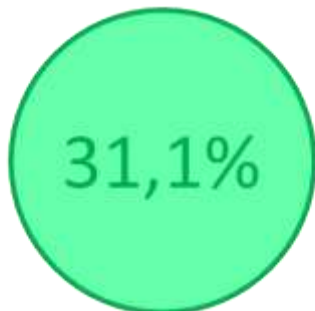
Time schedule example of the 36h/week (1500h/year) of a person at 35 years old:



The annual duration of 1500 hours/year is a framework to provide a shared and reasonable benchmark, but everyone would be free to participate to the extent they wish. However, as the “salary” depends on the work carried out, the evaluation of the PARTICIPATION is valued proportionally to the duration of the work, and bounded to also avoid overloads.

Annual PARTICIPATION assessment example:

## ANNUAL PARTICIPATION (Pa)



$$Pa = Ni01 + Ni02 + Ni03 + Ni04 + \min(Nh1/500 ; 1,05) \cdot Qc1 \cdot Qr1 \cdot (Ni1 + Nr1) + \min(Nh2/500 ; 1,05) \cdot Qc2 \cdot Qr2 \cdot (Ni2 + Nr2)$$

- $\min(Nhi/500 ; 1,05)$  : value extra time up to 25 hours (5%); more extra time is not valued (it is good to do nothing as well).
- Evaluation bounds :  $0 \leq Nx \leq 4$
- Quotients bounds :  $1 \leq Qc \leq 3$  and  $1 \leq Qr \leq 2$   
 $1 \leq Qci \cdot Qri \leq 6 = Q_{MAX}$  = « salary » range  
 If 1500\$/month is the MIN, then 9000\$/month is the MAX

A "PACT" (PArticipation ConTinuuous), 500h/year = 12h/week, would be the minimum permanent action independent of the "projects situation", which would aim to consider and ensure the integrity and realization of everyone's potential throughout life, as well as the sharing of necessary tasks that interest no one allowing a serene COHABITATION.

For example, it could be organized as follows:

- 3 hours per week of intellectual skills training: would maintain the skills acquired over time and enrich them, for example broken down as follows:
  - 1h/week of communication, analytical and synthetic mind, languages, human civilizations and history of the living,
  - 1h/week of Mathematics and applications,
  - 1h/week of Sciences, Arts, techniques and tools.
- 3 hours per week of physical training: participation in a minimum of activity using our entire body (sports, dance, ...) to guarantee that we keep us fit, for example organized as follows:
  - 1h/week of body coordination: rhythm, dance, self-defense, breathing, singing, stretching, relaxation,
  - 1h/week of cardio-training (endurance),
  - 1h/week of muscle building.
- 3 hours per week of "world inhabitant duty": sharing among all of all the necessary tasks that interest no one and that no one wants to do (emptying the trash, sort and recycle waste, clean one's neighborhood, clean the premises of one's workplace, ... ).
- 3 hours per week of free expression: free time during the week to develop our own ideas and express ourselves in the way we want, individually or in groups (reading, writing, theater, singing, music, artistic creation,...). Could be the privileged place of emergence of new concepts, to then propose them for a wider deployment (from local to global) if the interest is confirmed.

For the remaining 1000 hours/year (24 hours/week), a person could each year commit to participating in one or two different activities, for which they would have acquired the right level of competence during their continuing education.

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## Article B.II.4

# TO HAVE

KEY INDICATORS = Measures of the reality of wealth distribution :

10 RESOURCES to be shared separately:

- ✓ from a minimum for individual survival (NEED),
- ✓ added with more proportional to each one PARTICIPATION (VALUE),
- ✓ below a maximum for long term collective survival (RESPECT)

### 1. VITAL:

- 1.a. Water
- 1.b. Food
- 1.c. Housing

### 2. OPERATIONAL:

- 2.a. Energy
- 2.b. Tools
- 2.c. Transport

### 3. SOCIAL:

- 3.a. Clothes
- 3.b. Home furniture
- 3.c. Culture and hobbies

## HEALTH

LIVING – EQUALITY (TO ACT/TO HAVE) – PERENNIALITY

### III. OPERATION

#### Article B.III.1

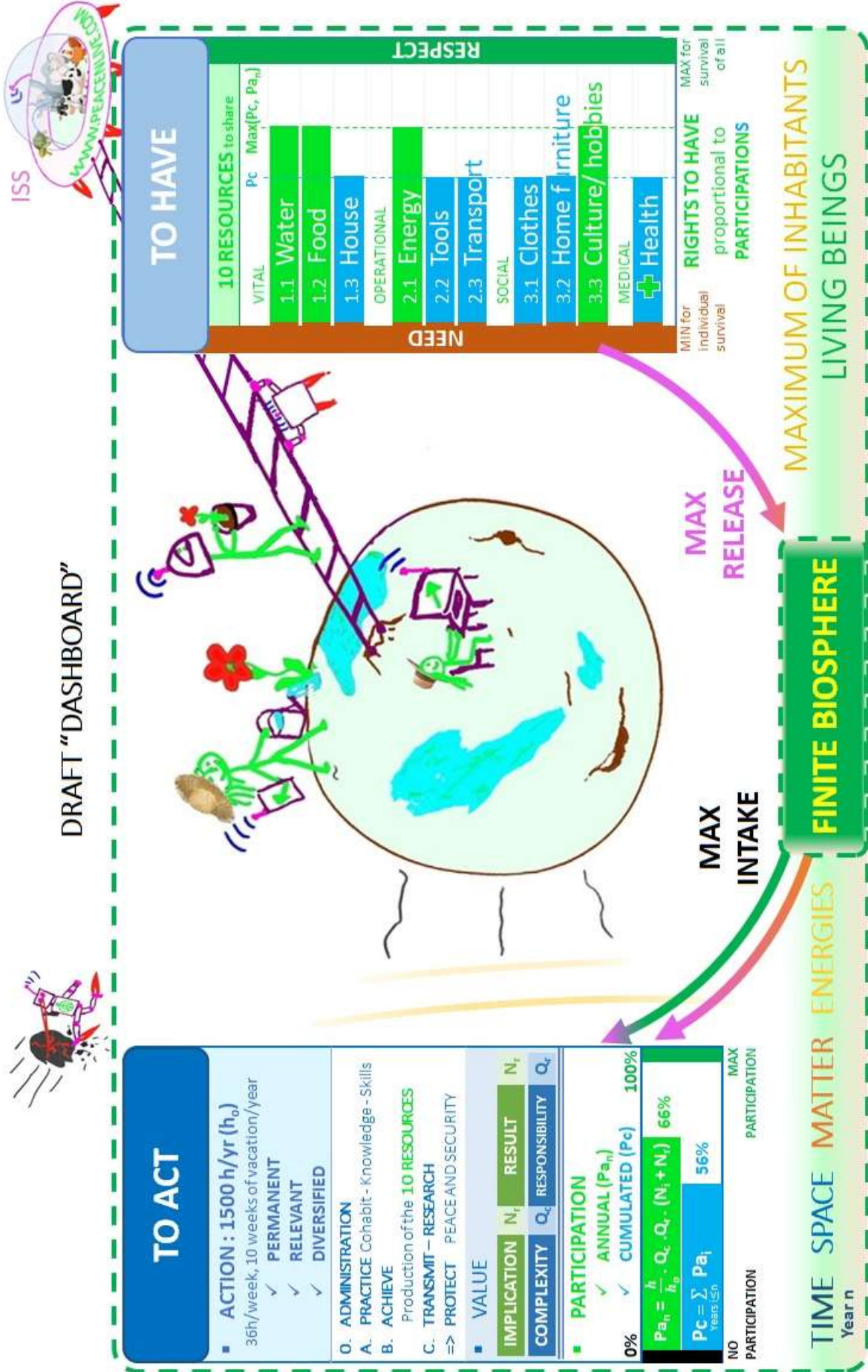
#### FINITE BIOSPHERE - TO ACT - TO HAVE 3 INSTITUTIONS MANAGEMENT

- The issues to be dealt with by the inhabitants of the world through the 3 INSTITUTIONS (FINITE BIOSPHERE, TO ACT, TO HAVE) would be scaled and prioritized according to their spatial and temporal scope (from the daily production of eggs, to the management of an ISS-type space station over a century).
- The "democratic elections" would not have as their object the choice of its coordinators, but the prioritization of projects and orientations to be given at each level, from local to global.
- The management of the 3 INSTITUTIONS (FINITE BIOSPHERE, TO ACT, TO HAVE) at each level would be carried out by trained people, whose skills and capacities for objectivity and impartiality for the living perennality would have been validated, renewed regularly for example according to the proposed pace in the Administration column of the following table:

| Demographic levels<br>population minimum size*<br>for which a region<br>shall be autonomous<br>for the issues given in the<br>corresponding line | Responsibility<br>quotient<br>(1<= Q <sub>r</sub> <=2)<br>(**) | Autonomous LIVING ORGANIZATION   |   |   | Autonomous PRODUCTION (B.i.j)                                  |   |  |
|--|--|--|---|---|--|---|--|
|  |  | O.ADMINISTRATION<br>Number and renewal of managers<br>representing and orchestrating<br>the 3 powers<br>FINITE BIOSPHERE<br>ACTION<br>DISTRIBUTION | KNOWLEDGE<br>TRANSFER<br>A + C.1.                     | C.2. KNOWLEDGE<br>EXTENSION<br>(setting up a global<br>institutional Wikipedia<br>continuously updated)<br>Laboratories for : | PRIMARY RESOURCES<br>(space, water, food,<br>energy, material) | MANUFACTURING/DISTRIBUTION<br>Average size machines : |  |
| Everybo<br>dy  | 1,3  | 3 people (500h/year)<br>for 3 years  | 0-6 years old<br>elementary school                    |   | Maintenance<br>and recycling                                   |   |  |
|  | 1,4  | 3 people (500h/year)<br>for 3 years  | 6-10 years old<br>Primary school                      |   | Intake<br>from the environment                                 | Hand made tools                                       |  |
|  | 1,5  | 3 people (1000h/year)<br>for 3 years   | 10-18 years old<br>Middle and High school             | Local/short<br>term needs   |  | Bicycles<br>Small electronic tools                    |  |
|  | 1,6  | 6 people (1000h/year)<br>for 6 years<br>(renewed by half every 3 years)  | 18-21 years old<br>Bachelor level University          | Regional/<br>medium term<br>needs   |  | Home appliances/<br>motorbike                         |  |
|  | 1,7  | 6 people (1000h/year)<br>for 6 years<br>(renewed by half every 3 years)  |   |   |  | Cars  |  |
|  | 1,8  | 6 people (1000h/year)<br>for 6 years<br>(renewed by half every 3 years)  |   |   |  | Aircrafts   |  |
|  | 1,9  | 9 people (1000h/year)<br>for 9 years<br>(renewed by a third every 3 years)   |   |   |  |   |  |
|  | 2  | 9 people (1000h/year)<br>for 9 years<br>(renewed by a third every 3 years)   | > 22 years old<br>Master and PhD Levels<br>University | Global/<br>long term<br>needs   |  | Space station   |  |
|  |  |  |   |   |  |   |  |
|  |  |  |   |   |  |   |  |

(\*) the population size is the first factor, distance and isolation of certain region with very small populations may be another factor to be considered  
 (\*\*\*) Q<sub>r</sub> = Responsibility quotient: my work, my decisions impact the activities, the environment, the daily lives of how many people?  
 Q<sub>r</sub> = 1 corresponds to minimum responsibility where our decisions only concern ourselves or an individual/private client  
 Q<sub>r</sub> = 1.05 as soon as you manage a person in your team, or when you interface with a group of more than 2 people (class of students, company, group of people); then Q<sub>r</sub> increases from 1.05 to 1.3 proportionally to the decimal logarithm of the size of the group concerned ranging from 1 to 1000 people (beyond that, take the scale of the table above, also a logarithmic scale; the choice of this logarithmic scale is to say that we quickly increase the responsibility quotient at the beginning when we manage from 1 to 10, 20, 50 people... but that ultimately beyond that, whether we manage 100 or 200 people, the coordination problem becomes quite the same and therefore the responsibility quotient increases less quickly).







C

**PERENNIALITY:**

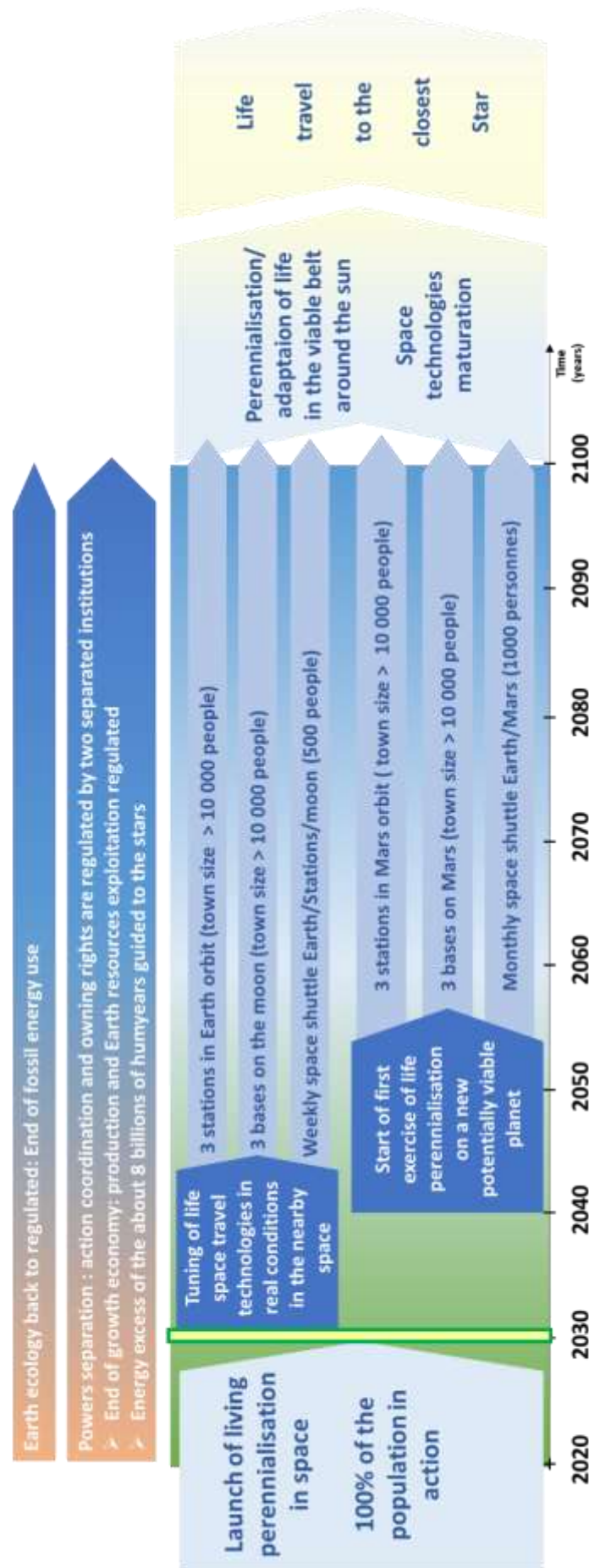
**DIRECTIONS**

**AND**

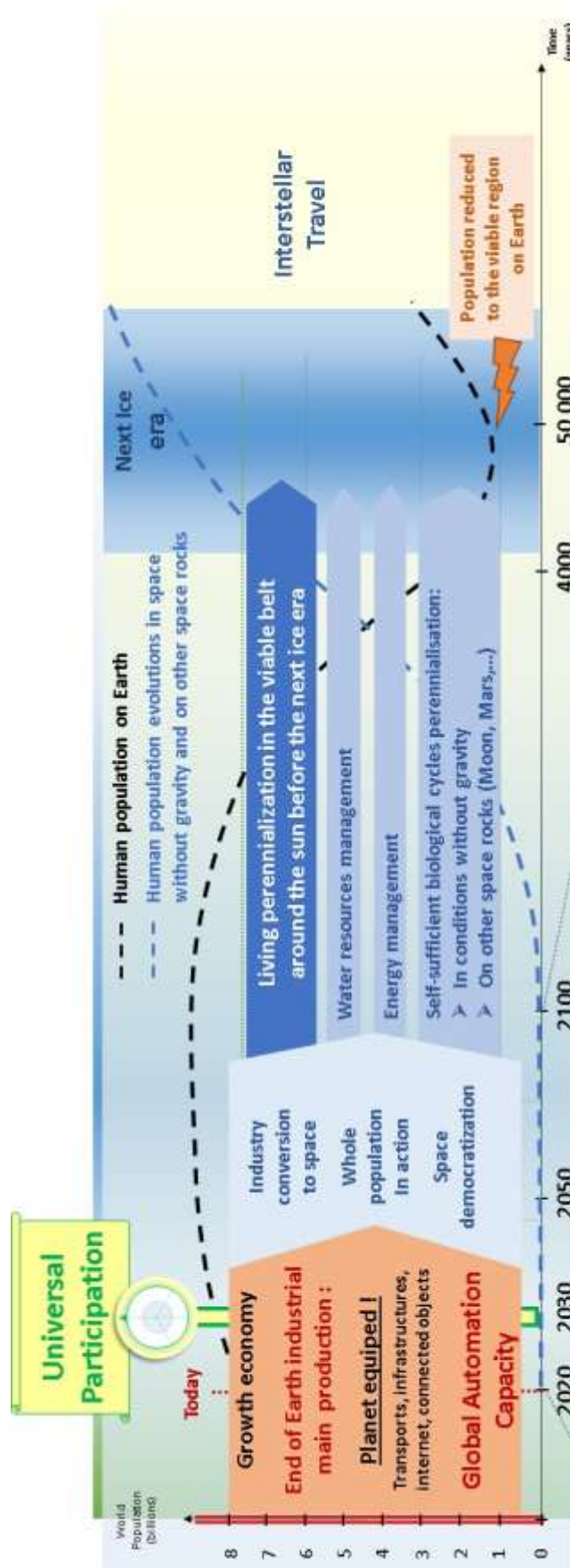
**PRIORITIES**

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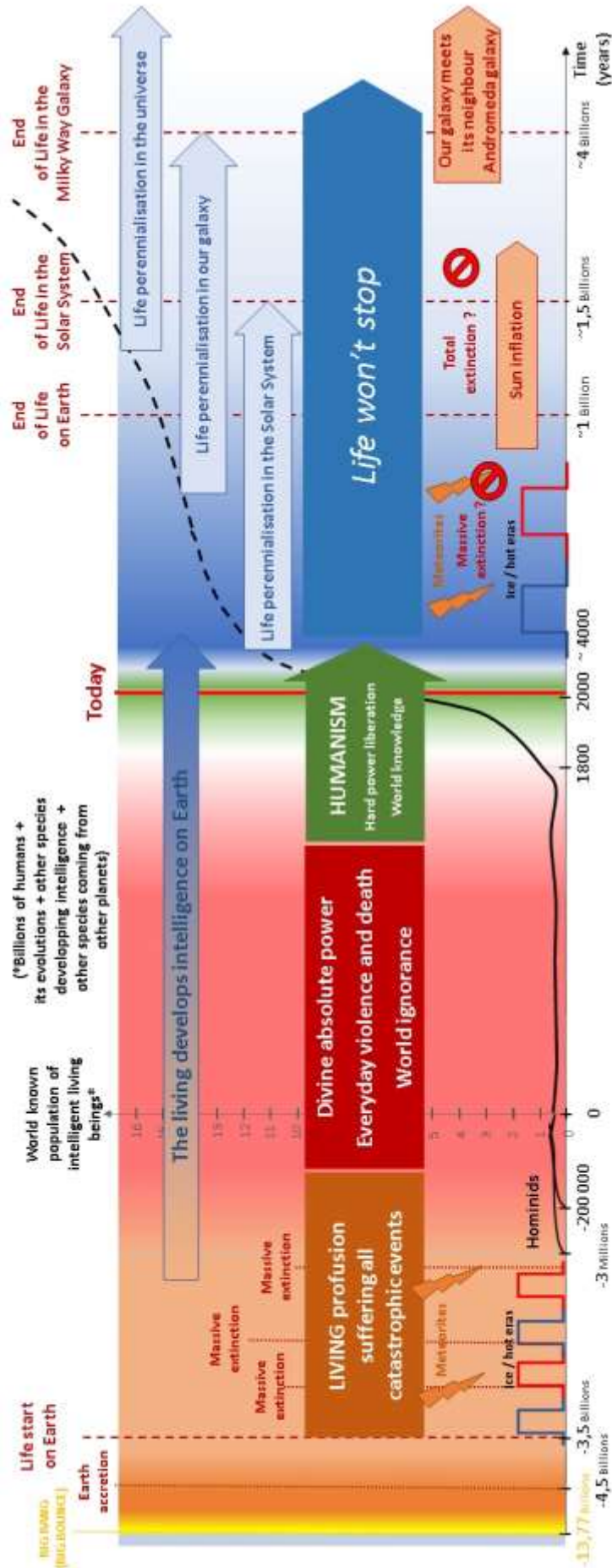
# I. SHORT TERM DIRECTIONS



# MEDIUM TERM DIRECTIONS



# LONG TERM DIRECTIONS



## II. PRIORITIES OF EVERY MOMENT

