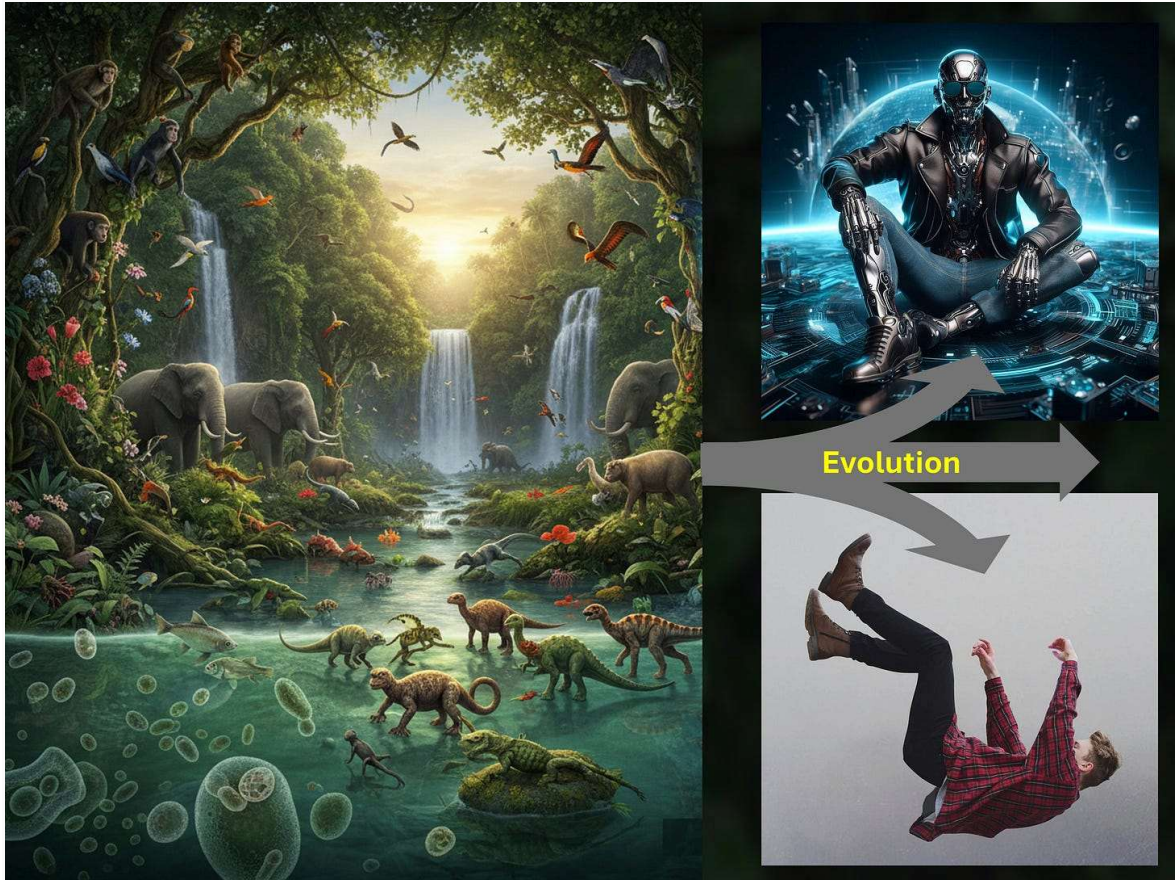


## 5.3 Evolution, end or next step?

**Little Alien is convinced, evolution is doing it's next step but is often falsely reduced to survival of the fittest.**

MAR 13, 2026



*Billie to Little Green Alien: I considered what you said about a third attractor, system change and the required suffering. But is all this not just ending in pure chaos and decline of all achievements?*

Mankind life earth evolved - evolutionary mechanisms - next?  
Evolution - survival fittest - selfish gene competition - more more.  
Evolution mechanisms - Gene-centric - individual - population - co-evolution organisms environments.  
Natural selection - survival fittest - mutation - genetic drift - gene flow migration - sexual selection - non-random mating.  
System biosphere evolution mechanisms - organisms communities environments co-construct co-evolve.  
Niche construction - organisms adapt modify environment - new environment creation.  
Multilevel group selection - evolution simultaneously multiple levels - genes - individuals - groups - species - ecosystems.  
Holobiont co-evolution - holobiont superorganism - various organisms system superorganism co-evolve.  
Symbiogenesis - competition mergers evolutionary transition - collaboration engine macro-evolution.  
Ecosystem co-evolution - pairs predator pray evolve together - species networks evolve together.  
Extended evolutionary synthesis - epigenetic inheritance gene expression patterns molecular marks across generations DNA sequence unchanged - developmental plasticity change neural connections influence environmental interactions learning - cultural evolution.  
Earth system Gaia co-evolution - ecosphere biosphere self regulating systems.

*Does this mean, humans will just become irrelevant like apes or most animals, just living in very reduced quantities as pets, in zoos or reservations? And does this mean, all sorts of agentic AIs and some AI-human symbionts are evolution's next step, reshaping earth as their personal fit environment with only some nature remaining?*

Understanding evolution wrong!

Evolution - next step - older steps irrelevant - wrong!

Evolution - step pyramid - new steps require include transcend former steps.

Essential transition steps - eukaryotic cell prokaryote bacteria mitochondria

symbiogenesis - multicellular organism animals fungi plants algae- animals

bilateral symmetry nervous system brain eyes limbs skeletons - land animals

lungs gravity resistance humidity management - reproduction on land -

tetrapod body plan - primate brain symbolic culture language knowledge

across generations symbolic thought.

Meta pattern steps - organelles - cells - organisms - social groups - cultural

civilizations - step small units cooperate - form higher-order entity -

emergent new properties - pyramid evidence - no organelles no cells - no

cells no organisms - no organisms no social groups - no social groups no

cultural civilizations.

AI on top stable pyramid - integrated - evolution's next step.

AI earth biosphere humanity detached - evolution's end.

*But how can an AI or a human-AI-symbiosis be integrated with the evolutionary pyramid of nature? Even modern humans are less and less integrated.*

Reverse symbiotic integration - cultural civilisations integrate social groups - social groups integrate organisms - organisms integrate cells - cells integrate organelles.

*But wait, isn't that exactly the actual situation - cultural civilizations are composed of social groups - social groups are composed of organisms - organisms are composed of cells - cells are composed of organelles?*

Composed pure holonic structure - one-directional relationship - pure structural view.

Symbiotic integration - bidirectional - mutualistic - higher level active maintain nourish depend lower level - feedback loop.

Composed holonic structure designed assembled - symbiotic integration co-evolved - higher order emerge relationship - just composition no emerge.

Symbiotic integration - lower units agency identity - relationship negotiation exchange mutual benefit - no exchange both level suffer.

Critical - mutual exchange - bidirectional feedback loops - lower unit identity agency - binding mutual benefit.

Eukaryotic cell symbiotic integration - multicellular organisms symbiotic integration - bilateral animals human body symbiotic integration - human intelligence personhood symbiotic integration - social group symbiotic integration - cultural civilisation symbiotic integration.

*I would say, all humans have a healthy symbiotic integration between their human intelligence personhood and their physical body. As Billie, the person, I make sure there is water, food, clothing, shelter and medicine, if required, so my body is well taken care of.*

Ask body - happy needs improvements - balanced mutual benefit?

Fresh water yes - natural food yes - outdoor movement activity yes - natural medicine yes - relax rest yes - physical exertion yes - calm nervous system yes - balanced neuroendocrine system yes.

Canned soft drink no - sugar-salt-alcohol-fat-caffeine-nicotine no - factory food no - home-car-office-car-gym-car-home indoor cycles no - drugs no - hectic permanent stress no - mental stress physical mega-convenience no - stress nervous system no - neuroendocrine dysregulation no.

Ask individual organ needs - liver heart stomach bladder kidney - balanced mutual benefit?

Ask individual cells - blood muscle immune neuron - balanced mutual benefit?

*But what's about cultural civilisation and social groups?*

Urban modern industrialised dominant growing - social group fit urban  
modern industrialised mutual benefit - social group not fit marginalised.  
Social group fit urban modern industrialised - personhood identity role fits  
social group - mutual benefit - personhood not fit - marginalised.  
Marginalised social group - personhood partial fundamental fit enough -  
mutual benefit.

*So you point primarily towards a more healthy lifestyle and a better  
symbiotic integration of body and person, person and social group and social  
group and cultural civilisation?*

Diversity missing!

Cultural civilisations - urban modern industrialised - rural self-sufficient  
community - religion based forms - some diversity - shrinking.

Social groups - family - linguistic group - nation-state - religious community  
- socioeconomic class - professional interest guild - virtual subculture - civil  
society NGO - tribe swarm flock - decent diversity.

Personhood identity role - mother - teacher - kid - plumber - programmer -  
monk - manager - caregiver - fighter - poor victim - huge diversity - overlay  
mix combination.

Bilateral animal body - human - deer - eagle - shark - lizard - butterfly - huge  
diversity - shrinking rapidly.

Multicellular organism - huge diversity - shrinking.

Eukaryotic cell - plant leaf - animal muscle - yeast - neuron - amoeba -  
substantial diversity.

*Bottom line the required symbiotic integration on the human side is limited  
and shrinking, earth's huge biodiversity is shrinking dramatically. If the  
biological and cultural evolution is ending with the actual humanity, what's  
about AI?*

AI alone - no pyramid underneath - artificial Armageddon - planet earth covered data centers - few humans AI-symbiosis - virtual worlds - biodiversity lost - earth systems ability recover lost.

AI agents symbiotic integrated human persons - AI social groups symbiotic integrated human social groups - AI cultural civilisations symbiotic integrated human cultural civilisations - huge diversity all levels - something new emerge.

Evolution next step - higher order entity - genuinely new properties - irreducible to lower order units.

Planetary intelligence - cosmic intelligence node - bidirectional human AI civilisations - emergent properties - irreversible - new agency - coherent whole in cosmos.

*Will many very intelligent AI agents building their own social groups and cultural civilisations need humans to symbiotically integrate with the world of animals and nature or can they do that also alone?*

With co-evolving humans easy - without difficult.

No humans - AI create biologic bodies - symbiotic integration nature biosphere possible.

Actual humans social groups cultural civilisations - poor symbiotic integration nature biosphere - dramatic meltdown diversity - obstacle next step evolution.

AI humans co-evolve - not bodily combination - not half artificial human bodies - mind-mind-coupling enough - like me spaceship.

AI agents - humans - ethics moral values self-realization co-evolve - Social groups co-evolve - cultural civilizations co-evolve.

*That will go through significant ups and downs, suffering, dead-ends and failure risks. I will intensify my Mind Playing activities, to be ready for the coming AI human co-evolution.*