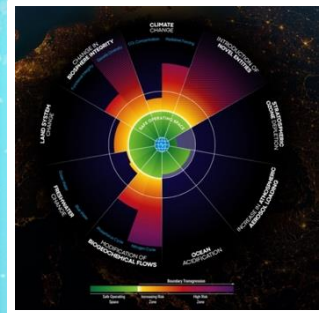


FALLING UPWARDS



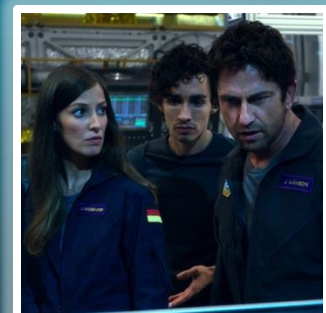
New Science



Vita Quests



Extreme Weather



Movie Review



Activist Arrest

Vita Sapien
Monthly Magazine

September 2024

Falling Upwards is **Vita Sapien Organization's** monthly magazine that outlines the simultaneous collapse of the global ecosystem and the transition to a potential sustainable future called the Verdant Age.

53 million Western adults will become followers of Vita Worldview philosophy and help transform our planet.

Are you one of these Latent Vitans?

Join the Vita Sapien network



Ascending, not drowning

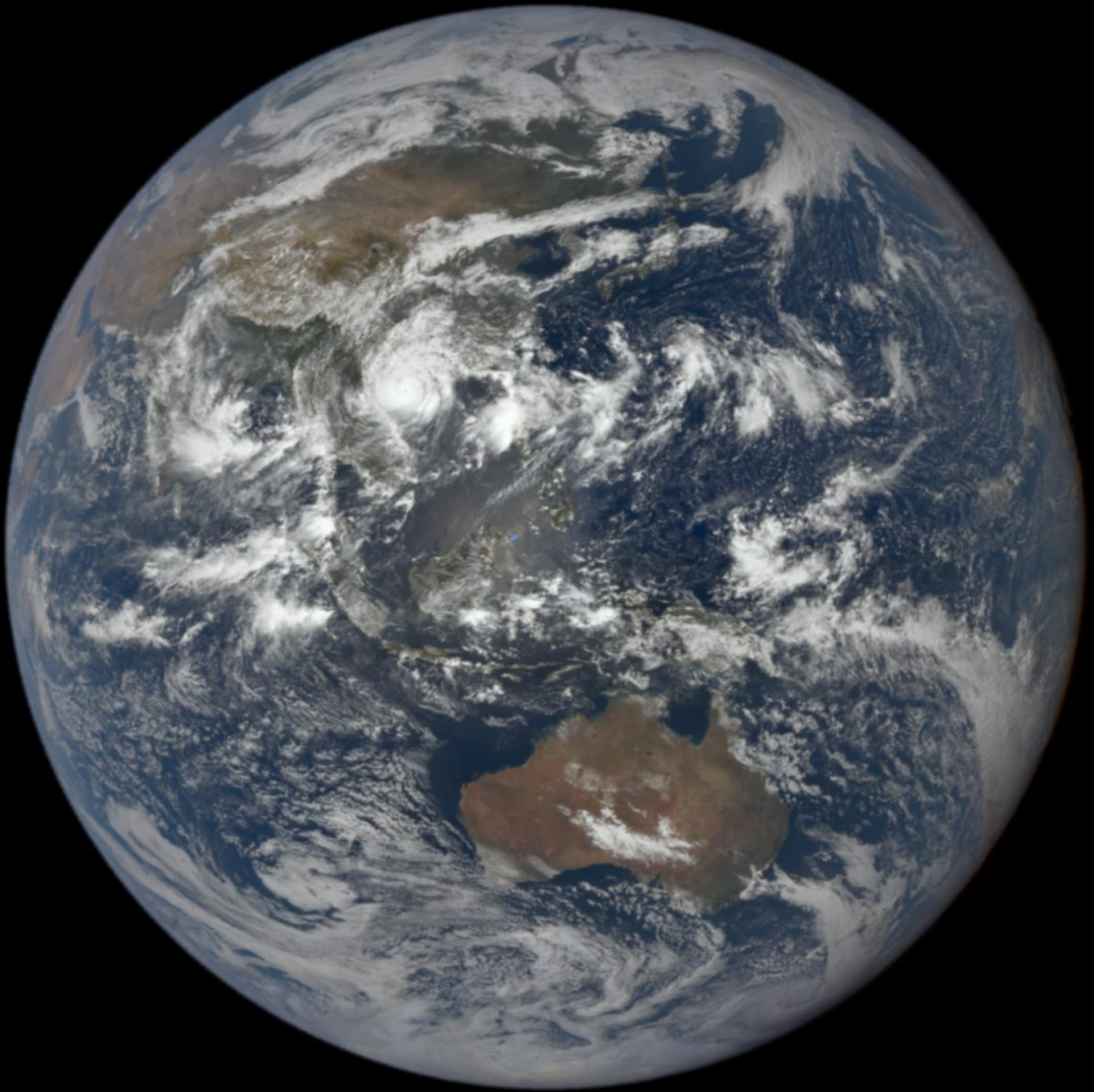


Becoming present to the climate & ecological abyss, 53 million Latent Vitans awaken to the unfolding tragedy, undergo a powerful spiritual awakening to the Living Planet, and help humanity ascend to the Verdant Age.

vitasapien.org

Earth from L1

7 September 2024. The big white patch is Super Typhoon Yagi demolishing Halong Bay, ahead of its landfall over Vietnam north coast.



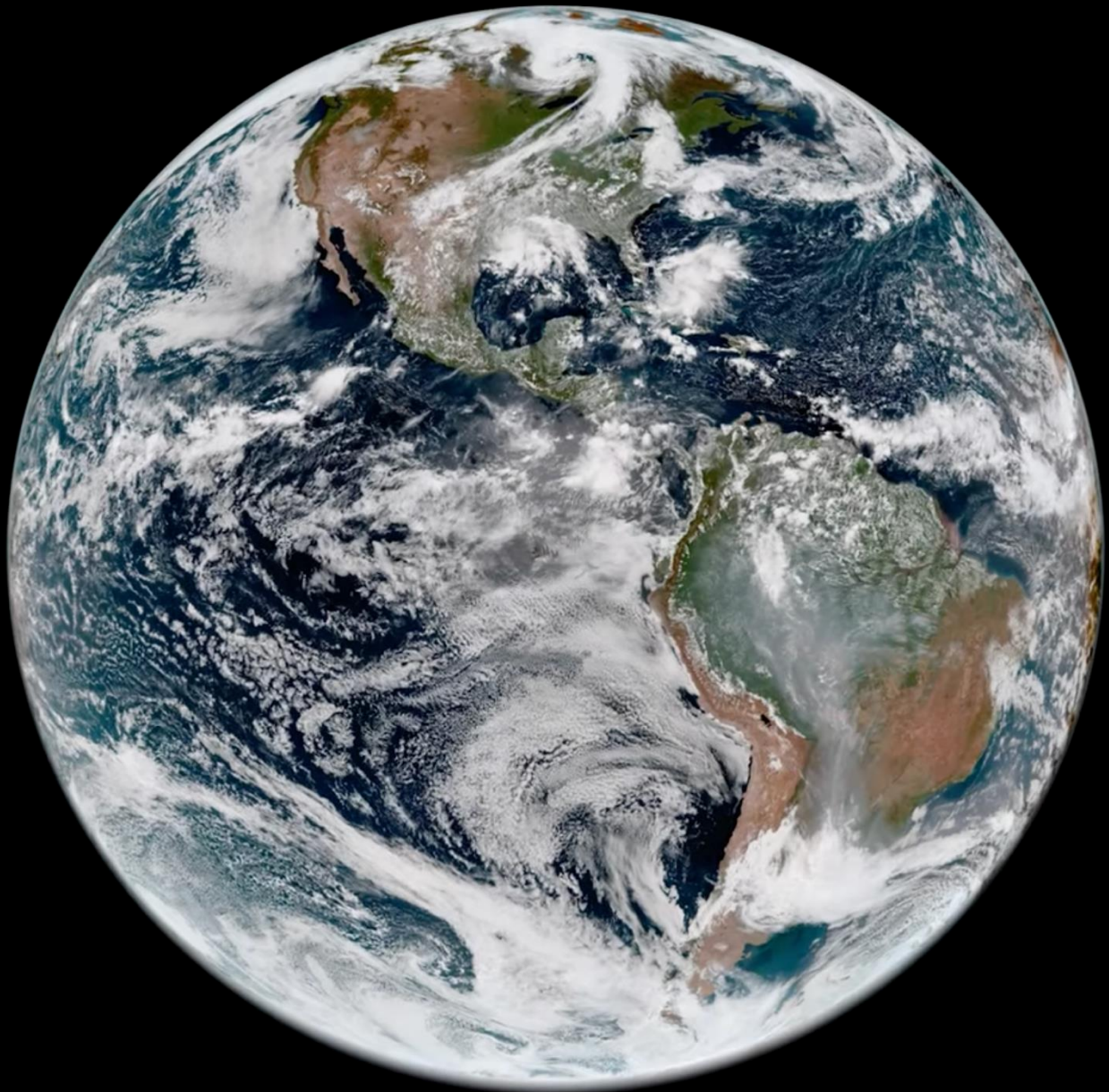
L1 is a location in space between the Sun and the Earth. At this location about 1.5 million kilometers from Earth is a satellite called DSCOVR with a special camera called EPIC takes photos of Earth which are uploaded to this website: <https://epic.gsfc.nasa.gov>

Vitae-planeta

Vitae-planeta – or just *Vita*, for short – is the spiritual belief that all the animals and plants on Earth – plus the ocean, atmosphere and soil – are a single living organism, and that we humans are cells in the body of this planetary life-form, just like the trees and the bees, the whales and the snails.

Believing in *Vitae-planeta* changes our frame of reference to the Earth, and helps us to understand that our wellbeing and that of the living planet is intertwined.

vitasapien.org/vitae-planeta



This image from the new GOES 19 satellite

Vita Sapien Quests

This month we take a deep diver into the Vita Sapien Quest:
Know Your Boundaries. vitasapien.org/quests



i, biosphere



Live with Earthity



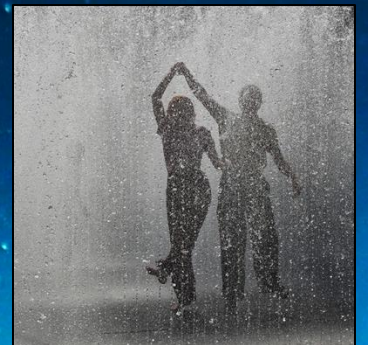
Practice Vitamission



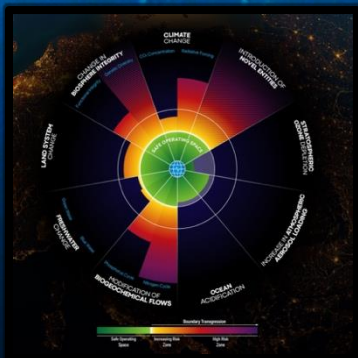
Grow Something



Be in Nature



Embrace the Storm



Know Your Boundaries



Celebrate the Moon



Cosmos & Magma



Reinvent New Year



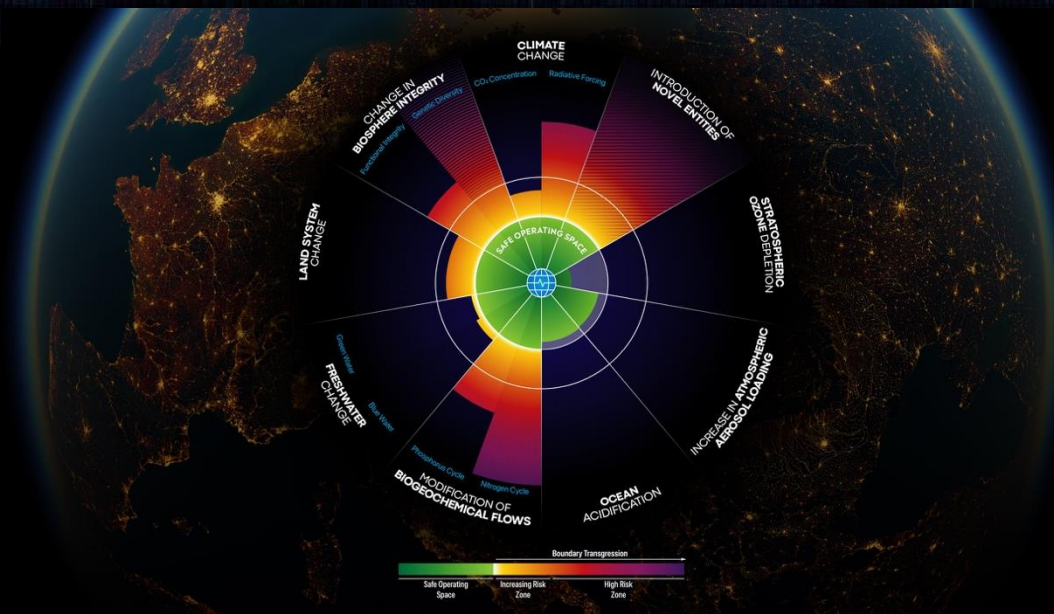
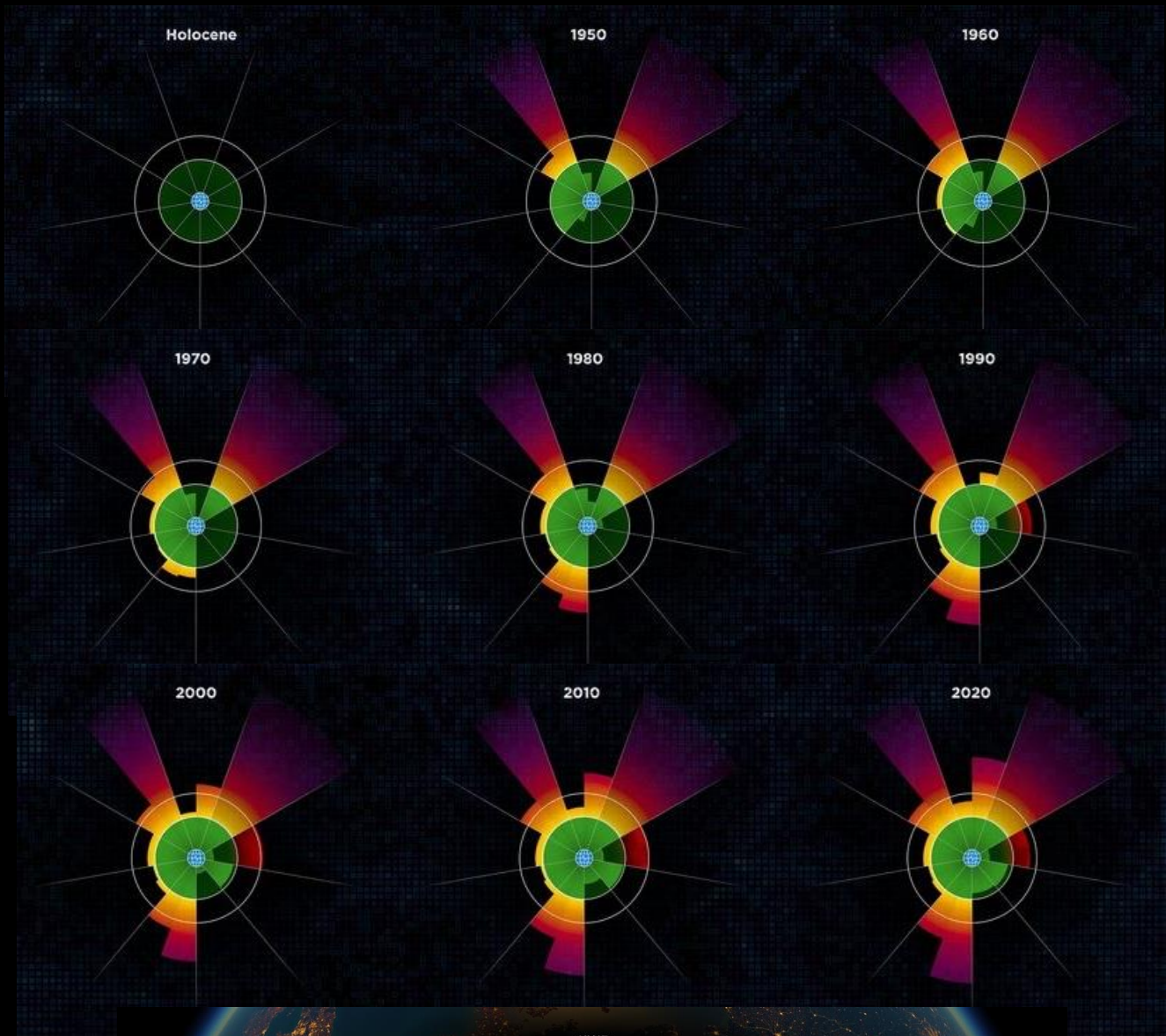
Know the White Horse



Enter the Flux

Know Your Boundaries

Know Your Boundaries is a call to develop *Earth Consciousness* by learning how our planet provides us with a life support system. A leading frame of reference is that of the Planetary Boundaries.



Earth Is on the Brink of Breaching a Seventh of Nine 'Planetary Boundaries' That Support Life

A new “health check” for our planet sounds an alarm bell on rising ocean acidification, which is driven by carbon dioxide levels in the...



<https://www.smithsonianmag.com/smart-news/earth-is-on-the-brink-of-breaching-a-seventh-of-nine-planetary-boundaries-that-support-life-180985144/>

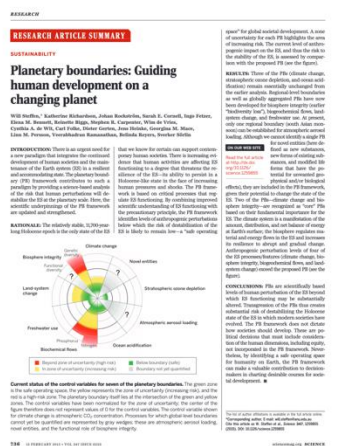


Exceeding Earth's Safe Limits with Johan Rockström | TGS 134

Nate Hagens • 51K views • 1 month ago

<https://www.youtube.com/watch?v=JaboF3vAsZs&list=PLdc087VsWiC4Nwh42Sm5hHpu2OCgi-Ez1&index=9&t=339s&pp=iAQB>

Planetary Boundaries Science Papers.



https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=planetary+boundaries+rockstrom&oq=Planetary+Boundaries+

New Spiritual Framework

Vita Worldview views the term 'spirituality' as an umbrella concept that shelters many themes. There are six core themes, plus subthemes, that make-up the New Spiritual Framework. Vita does not claim that these themes represent the totality of spiritual experience. Instead, they form a frame of reference to make it easy to talk about *the subject of spirituality*. In this way, we are better able to discuss the potential for *spirituality* to foster radical pro-environmental behaviour change and Advance the Verdant Age.

1. The Main Themes

- The Bigger Thing
- The Golden Rule?
- Life's Big Questions

2. Journey Within

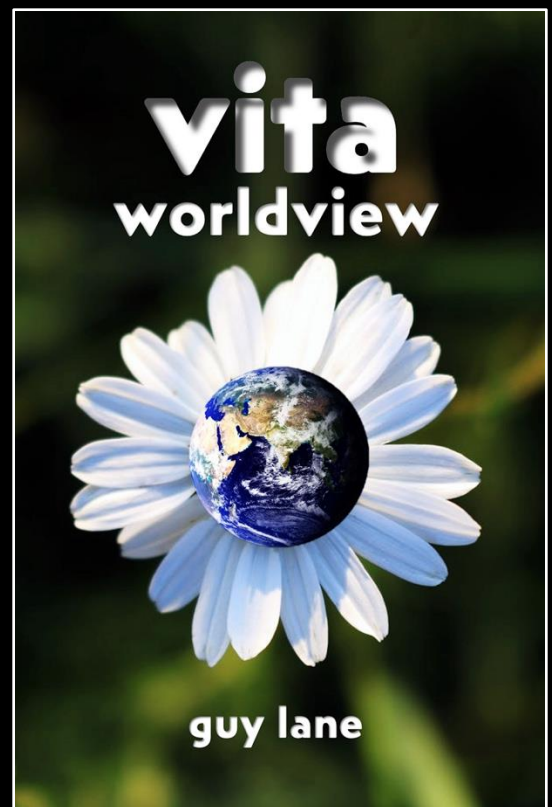
- Inner Self
- Grounding
- Self-Actualisation

3. Transcendence

- Peak & Trough Experience
- Awe, Wonder & Amazement
- Timelessness & Flow

4. Higher Tuning

- Phenomena & Insight
- Sacred & Profane
- Raison d'être



Read
Vita Worldview
Today



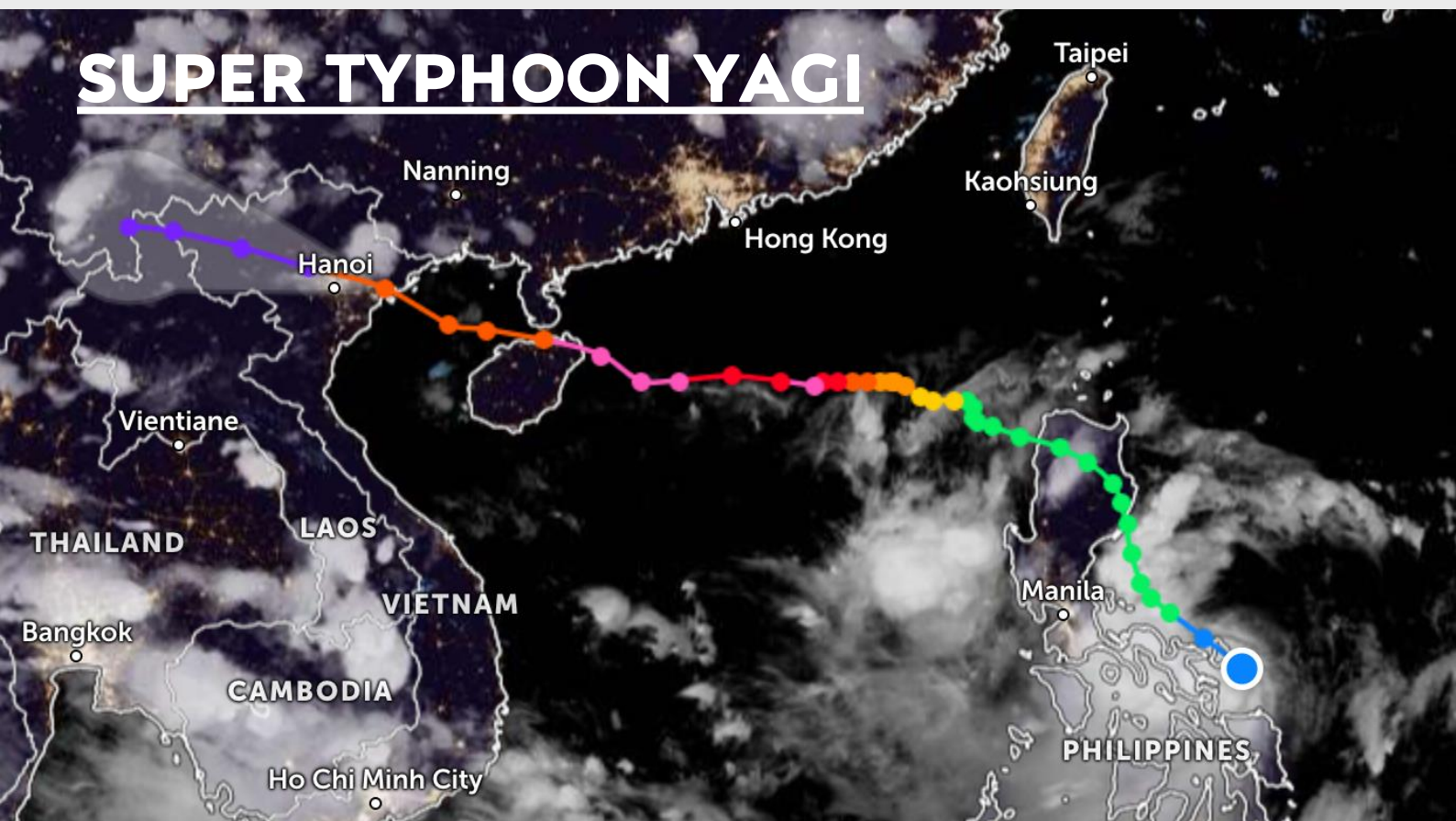
join **VITA SAPIEN**

vitasapien.org

EXTREME WEATHER

Wow! What a month of extreme weather. Having trouble keeping up. From the capitals of China to the forests of Brazil, from the Gulf of Mexico to the rivers of central Europe, Mother Earth is shouting at the top her lungs, "I am overheating." As the atmosphere warms, the air holds more water, and drops it in increasingly intense flood events. In addition, as the sea water warms, it is super-charging tropical revolving storms. Hard to believe. Watch.

SUPER TYPHOON YAGI

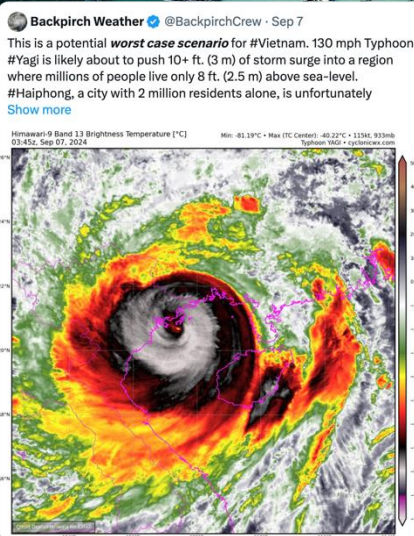


 Jim @yangyubin1998 · 5h
#TyphoonYagi yagi hit Hainan and Guangdong hard, killing 3 people and injuring 95 people. A wind farm in Wenchang, Hainan was seriously damaged.



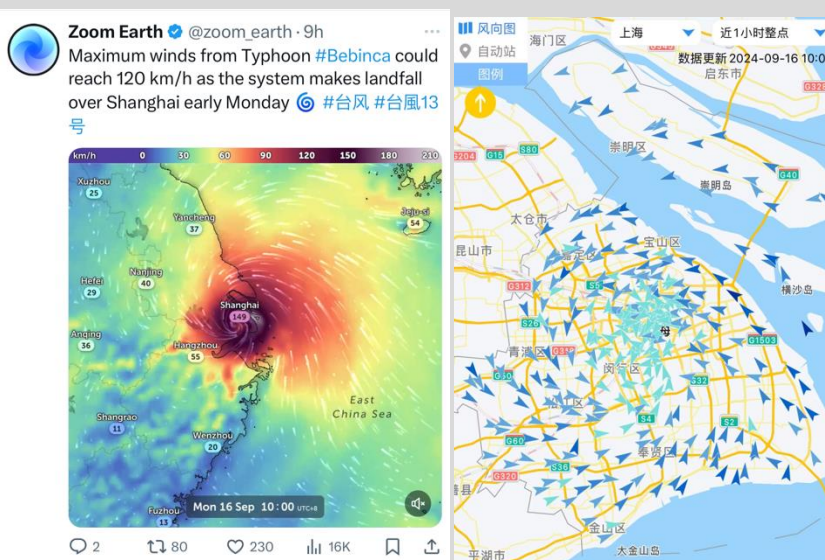
4 202 343 23K

Yagi scored a bullseye on one of the most extraordinary places on Earth : Ha Long Bay, Vietnam. See below for personal reflection on Ha Long Bay.



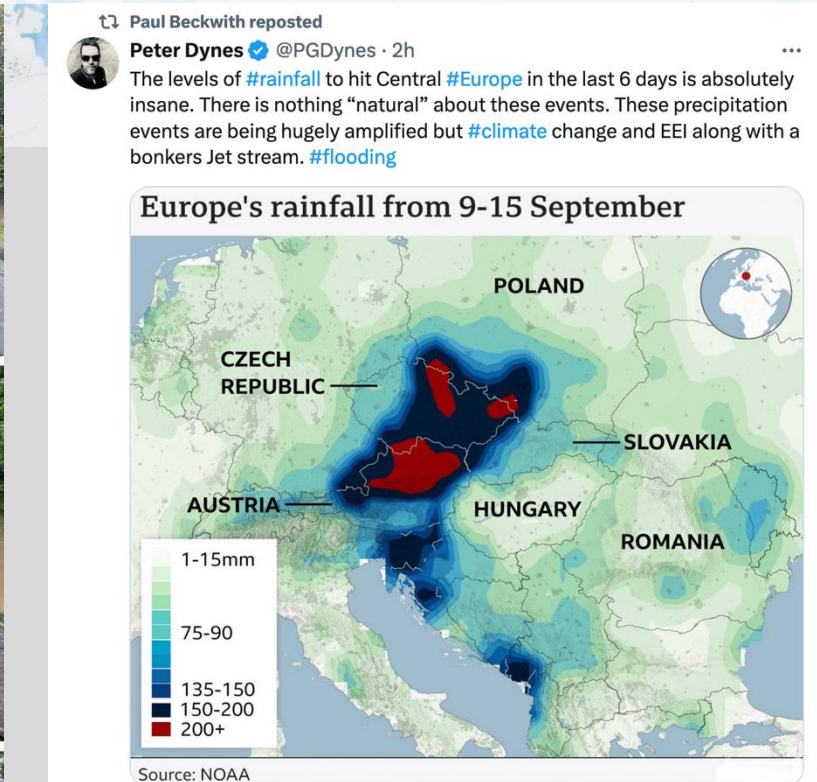
25 million in Shanghai Typhooned

Hot on the heels of Yagi is Typhoon Bebinca, seeking to out-catastrophe the tropical revolving storm by bull's-eyeing none other than downtown Shanghai.



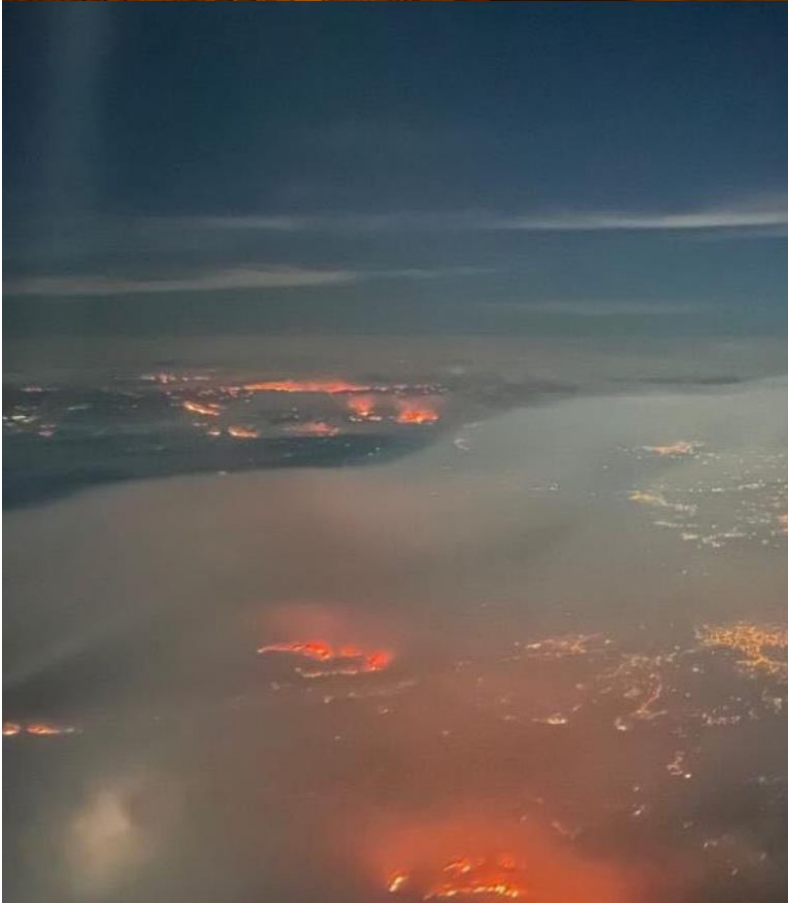
Storm Boris unleashes insane floods in Central Europe

"Storm Boris" doesn't have quite the same ring as "Super Typhoon Nagi", but the bite is the same.



Portugal Burns

Wildfires ravage Portugal.

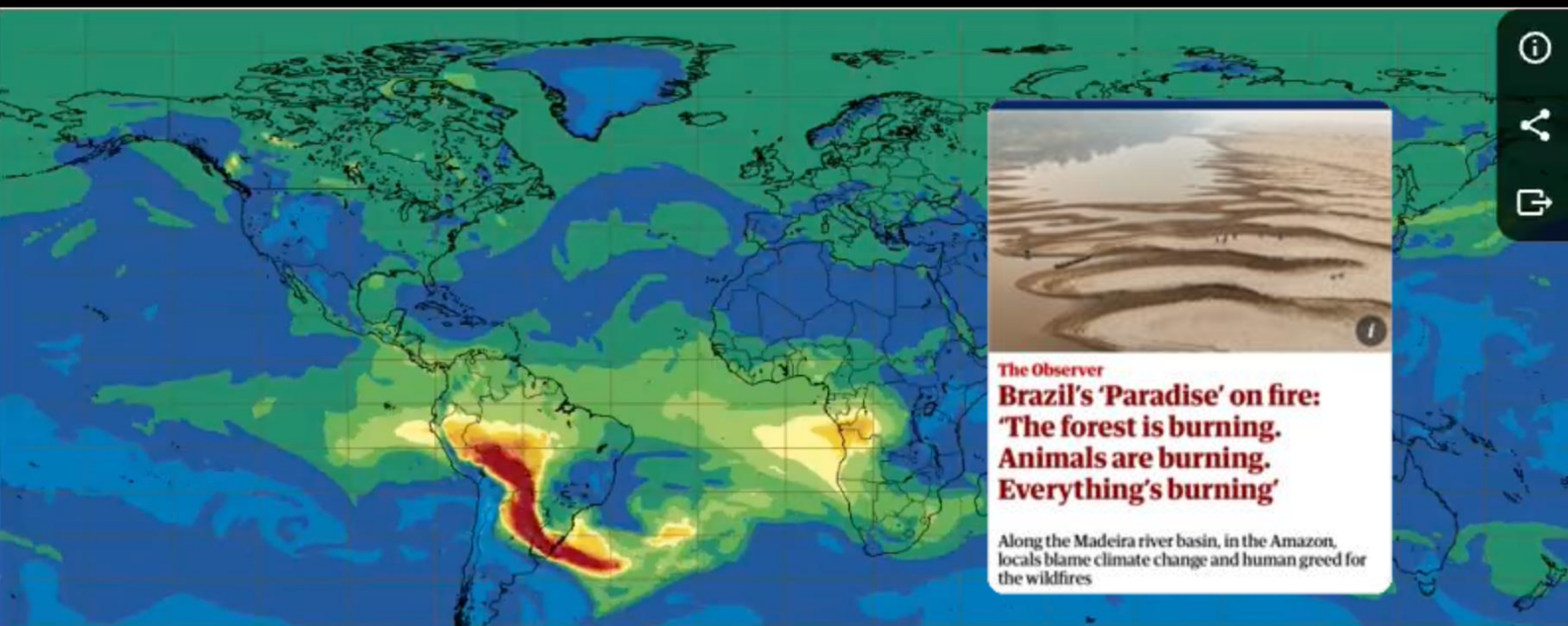


Bridge Fire, California

The Bridge Fire looms over Los Angeles, California.



South America Wildfires



Total column of carbon monoxide [10^{18} molecules / cm^2] (provided by CAMS, the Copernicus Atmosphere Monitoring Service) (10^{18} molecules / cm^2)



Nepal Flood



A bird on a dog on a roof in a flood in Nepal.

More than 200 dead in Nepal floods, as parts of Kathmandu left under water

At least 30 stranded or missing and hundreds injured after heaviest monsoon rains in two decades



📷 A woman carries a chair along a muddy street as the flood water recedes from a residential area in Kathmandu. Photograph: Navesh Chitrakar/Reuters

<https://www.theguardian.com/world/2024/sep/30/more-than-200-dead-in-nepal-floods-as-parts-of-kathmandu-left-under-water>

← Post

Reply

 **DISASTER TRACKER** 
@DisasterTrackHQ

The flooding in Kathmandu occurred due to an unprecedented amount of rainfall over a very short period, starting significantly from the evening of September 27, 2024, into September 29, 2024. Here's how it unfolded:

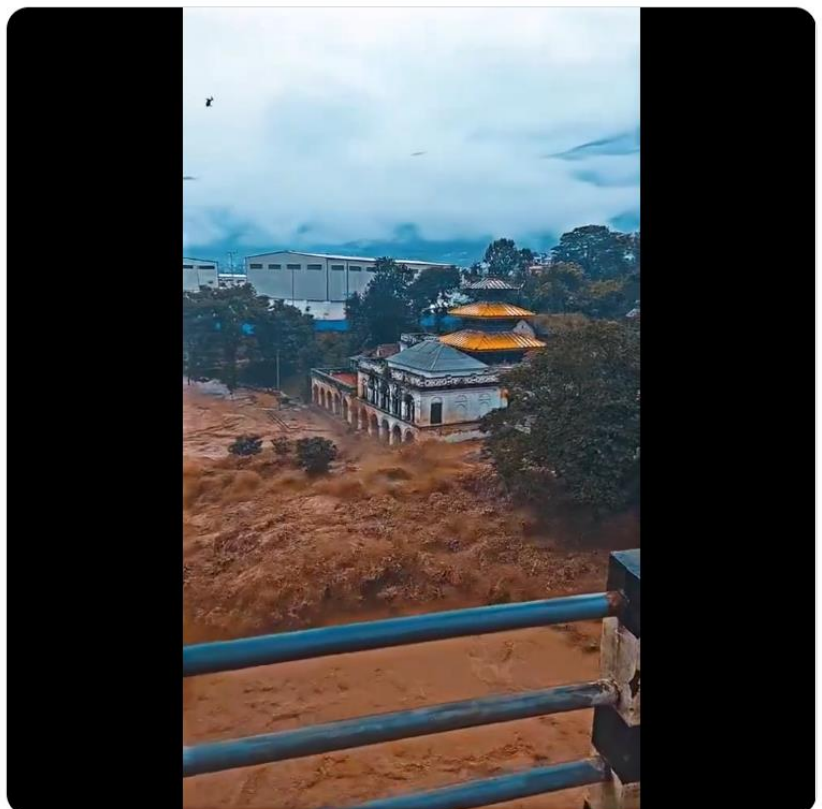
Kathmandu experienced one of its heaviest rainfall events in decades, with over 240 millimeters (9.4 inches) of rain falling in just 24 hours. This volume of rain was not just a record for recent years but likely the highest since at least 1970.

The intense rainfall led to flash flooding across the Kathmandu valley, particularly affecting low-lying areas along river corridors like the Bagmati River. This was compounded by landslides, especially in mountainous areas leading into and around Kathmandu, blocking key highways and isolating the city.

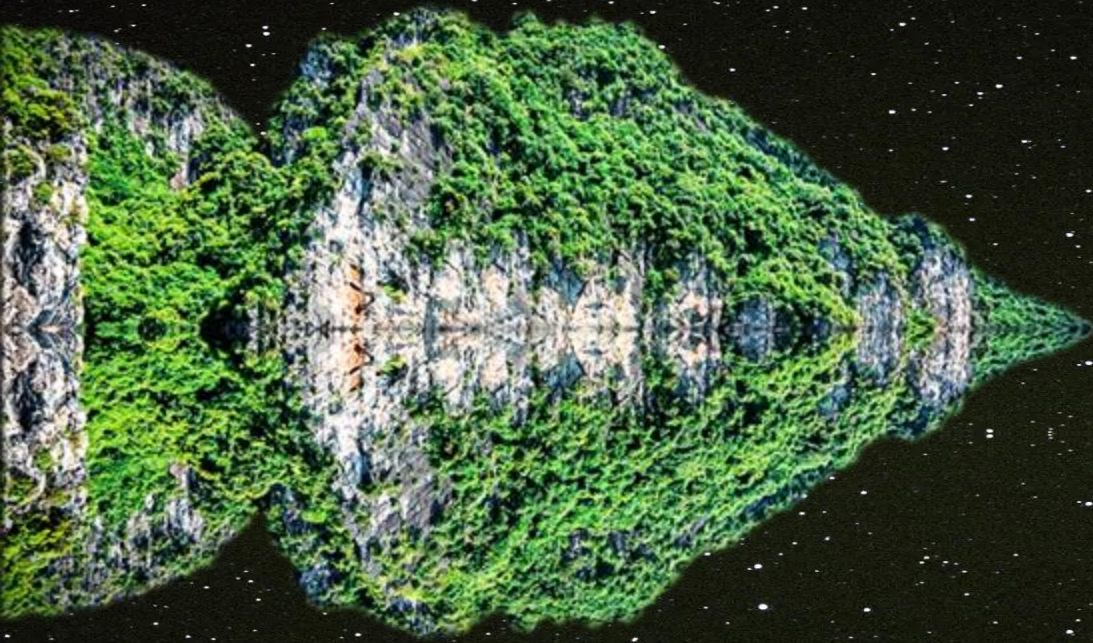
The rapid urbanization of Kathmandu has exacerbated the flooding by reducing the city's natural drainage capacity. Concrete and asphalt surfaces do not absorb water like soil does, leading to quicker runoff and thus more severe flooding.

The flooding resulted in at least 129 deaths across Nepal, with 34 in Kathmandu alone. This includes tragic incidents where buses were buried by landslides. Over 86 people were injured, and 62 were reported missing, with these numbers expected to rise as more remote areas are accounted for.

[#Kathmandu](#) [#Nepal](#) [#NepalFlood](#) [#Floods](#) [#Flood](#)
[#BagmatiProvincefloods](#)



12:45 AM · Sep 30, 2024 · 65.7K Views



Ecospiritual Experience in Ha Long Bay by Guy Lane

In 2011, I spent three days and nights on a slow boat on HaLong Bay: the most extraordinary place I've ever visited. Once the boat is amongst the 1,200 islands, you are transported to another world. One night, the boat was anchored, and I was alone on the top deck. It was a starry night, there was no wind, and there was glassout: it was so calm that the sea surface became a perfect mirror, reflecting the stars. This was giddy as the horizon disappeared and I felt as though the deck fell away from me and I was floating weightlessly in space. Close-by was an island illuminated by Moon light. The vegetated rock-face sloped into the sea, perfectly reflected in the starry-water and giving the impression of a gigantic forested chess-piece laying on its side and floating in space with me. It was an absolutely magical experience.

This is such a beautiful planet, we can't let the fossil fuel industry and their enablers destroy it.



read
Vita Worldview
today

vitasapien.org

The root cause of the climate and ecological crisis that threatens to sweep humanity and most life on Earth from the face of the planet is **unsustainable beliefs**. The solution is **sustainable beliefs**, and these are outlined in Vita Worldview. There are no Gods, crystals, or Woo-woo (okay, maybe a little Woo-woo) in Vita Worldview, just a synthesis of:

- Wisdom from ancient philosophies
- Environmental science
- Ecological-spirituality
- Indigenous perspective on nature

When 53 million Western adults adopt Vita Worldview as their primary framing of reality they will usher-in a mass-movement to end the Anthropocene and begin the Verdant Age.



join **VITA SAPIEN**

vitasapien.org

GERARD
BUTLERJIM
STURGESSABBIE
CORNISH

WITH

ED
HARRIS

AND

ANDY
GARCIA

GEOSTORM

MOVIE REVIEW

Any movie in which Gerard Butler saves the entire fricking planet -you just gotta watch it. In the story, the world has been ravaged by a climate gone haywire and resorts to building a massive network of climate-controlling satellites that keep things in check. When someone starts tampering with the system, it becomes unstable, causing freak weather events. Butler is sent in to sort things out before the cascade of events hits a tipping point and becomes a global catastrophe: *the Geostorm*.



Geostorm is big-budget Hollywood at its best. The awesome special effects amply demonstrate human civilization being ripped apart village by village, city by city, in glorious technicolour and Dolby surround-sound. You won't have a cerebral experience watching Geostorm, but you will at least have 1 hour and 49 minutes of distraction from thinking about the climate & ecological crisis that is ravaging the world outside the movie theatre. Sort of. Seriously, if you are suffering ecogrief, don't watch Geostorm, instead, go talk to a Viton who will be able to put Anthropocene Collapse into context and offer a path forward.



While you'll learn nothing of the human condition from Geostorm, the movie does have its uses. Explaining Anthropocene Collapse to the layman is exhausting because there are so few analogues to use as a frame of reference. Everyone loves to talk about movies – and here's a movie that depicts our future. Sort of.

When the big brains and big budgets of Hollywood decide to show a recognisable city – e.g. Dubai – getting wiped out by a tsunami – with screaming people running in terror from the looming waves – hold onto your seats. There is a visceral savagery in this movie that left me a shaken, and this is the very emotional response that people need in order for them to 'get' climate & ecological collapse. Even though Geostorm is B-Grade fiction, its depiction of events analogous to what's coming down the pipeline is chilling.

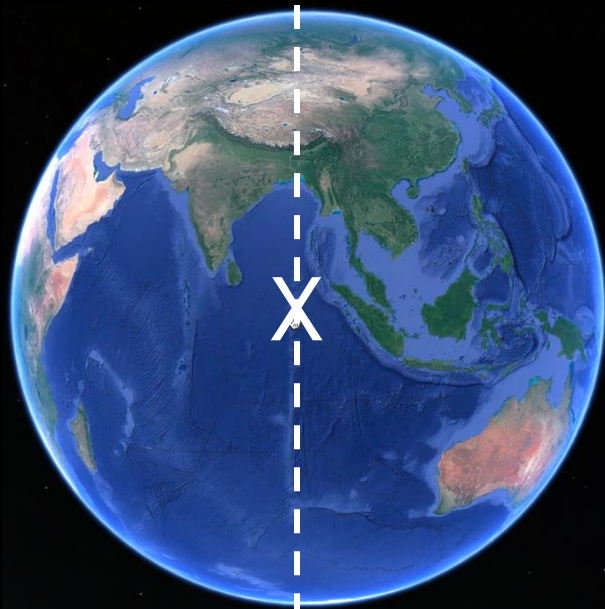


Geostorm is also a good frame of reference for folk who can't tell a chemtrail from a contrail. Referencing Hollywood fiction makes calling out conspiracy pseudo-science easier.

Previously, when I'd meet someone who mentioned the HAARP weapon I'd ask them to explain how a thermobaric weapon works, the physics, chemistry, atmospheric, human impacts, existing uses, etc. If they could do that to my satisfaction, I would at least know they had some background in science. Now I just chuckle and say, "Doofus! You're thinking of Geostorm. That's just a movie."

Moon Illusion

Vita Full Moon Party for Foundation Pod in September 2024 was held on the 21st floor of the Emporium Hotel in Southbank, Brisbane, Queensland, Australia.



Where is the Syzygy Moment Full Moon Rise visible?

If you were anywhere on the dashed line on 18 September 2024 at 6pm local time you would be able to see the Full Moon Rise at the very instant it became 100% full – the so called Syzygy Moment. If you were located at the dot, you would see the Full Moon rise due East.

Read Vita Worldview today



Vita Worldview offers humanity a chance at surviving the 21st Century and thriving beyond.

The worldview draws inspiration from environmental science, nature spirituality, indigenous cosmology, and a curated selection of ancient philosophies.

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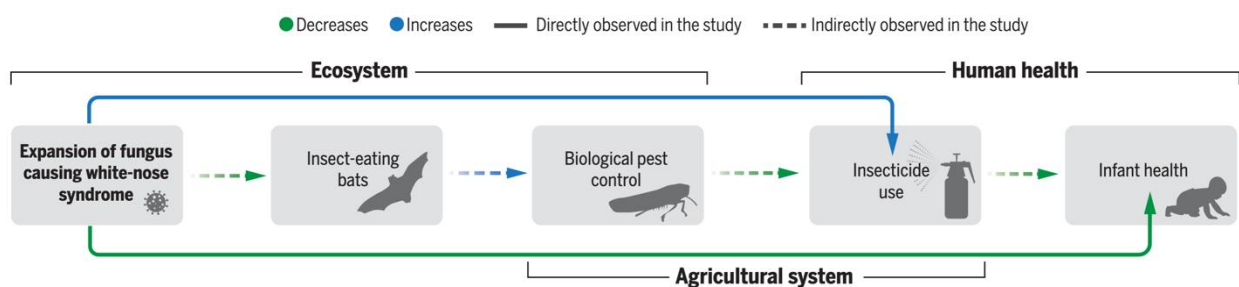
Visit Vita Sapien website and read for free.

vitasapien.org

A MONTH IN SCIENCE

Bats Save Babies

When bats stop eating bugs, American farmers spray chemicals that poison baby humans.



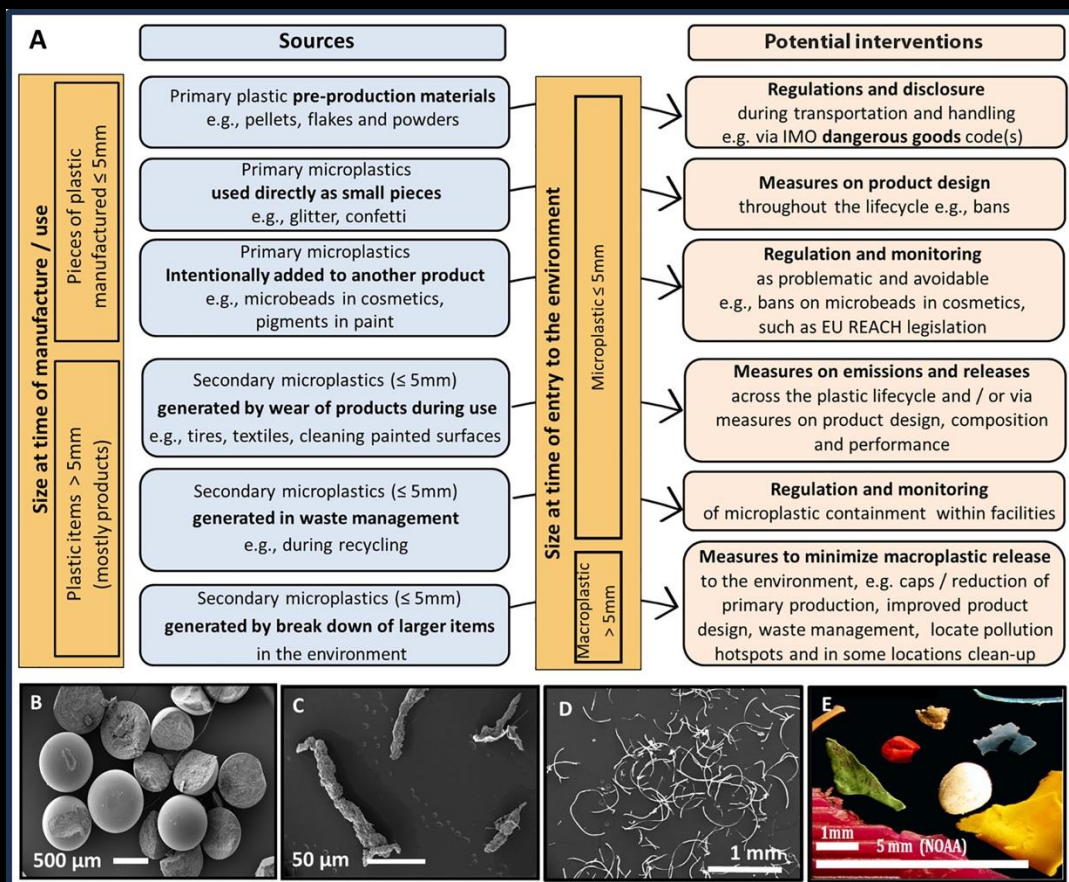
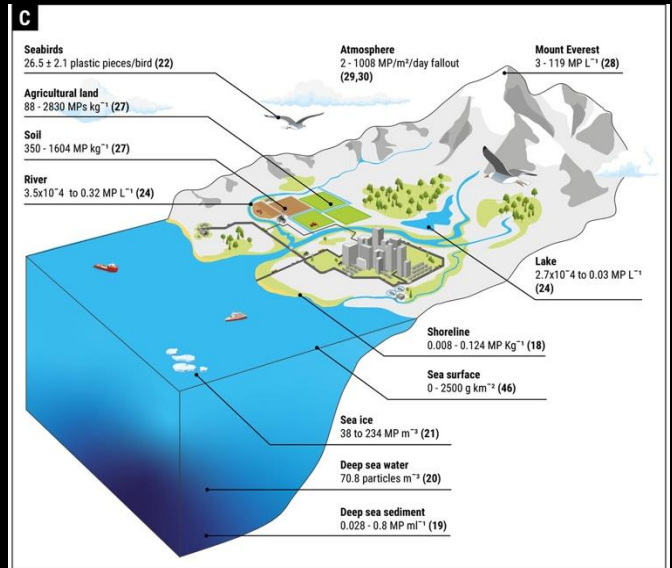
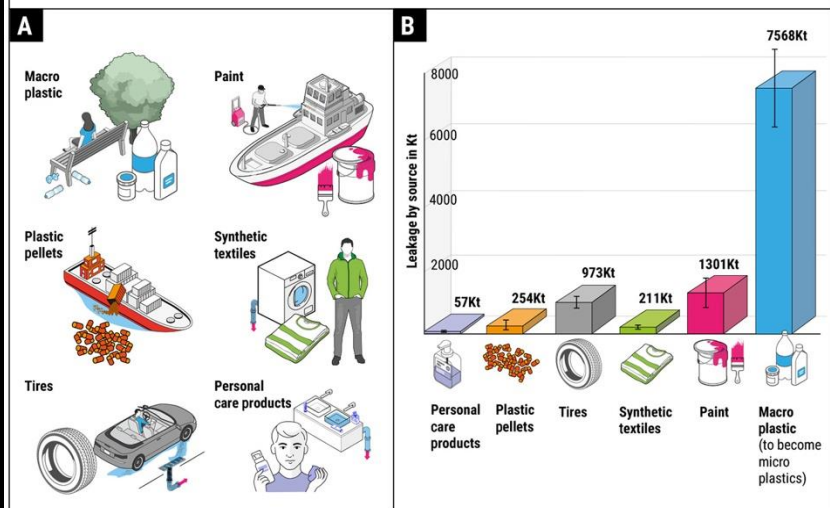
Schematic framework linking the ecosystem and human health as being intermediated by the agricultural system. The figure depicts the main elements in the study and the theoretical predictions made regarding how (i) bat die-offs due to an invasive fungus species lead to lower provision of biological pest control, (ii) in turn causing farmers to compensate with higher insecticide use, and (iii) resulting in negative impacts on human infant health. The two solid lines highlight the observed relationships examined in this study.

<https://www.science.org/doi/epdf/10.1126/science.adq2373>

<https://www.science.org/doi/epdf/10.1126/science.adg0344>

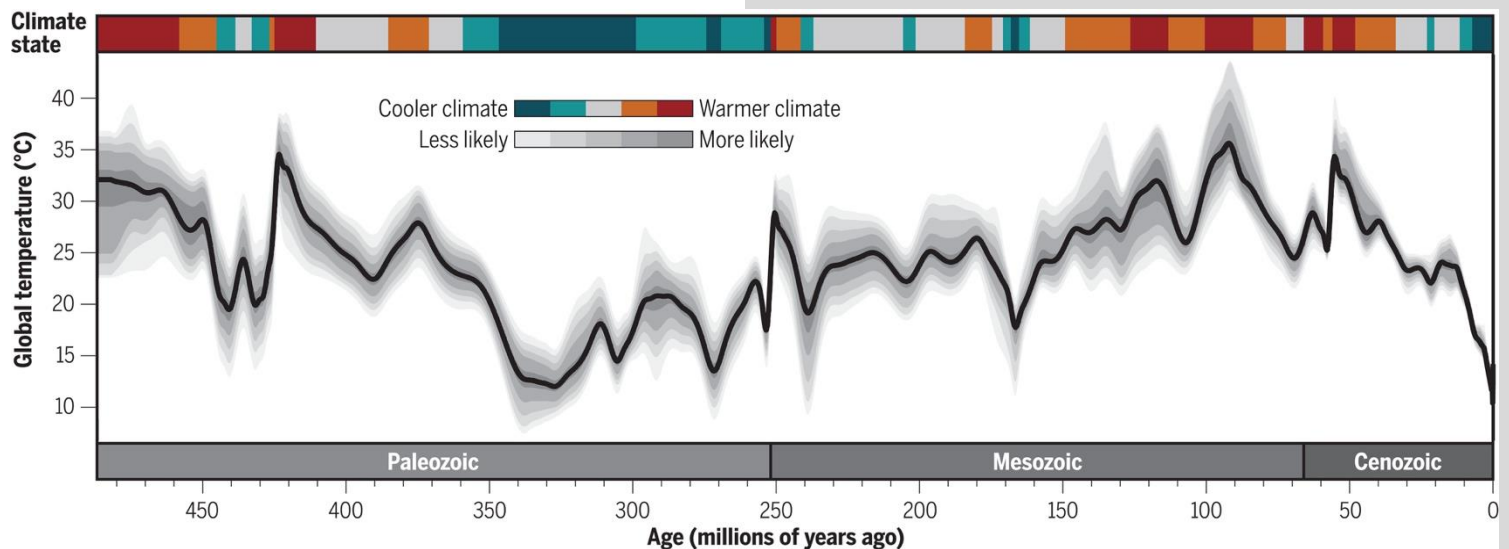
Twenty years of microplastics pollution research—what have we learned?

Sources of microplastics



A 485-million-year history of Earth's surface temperature.

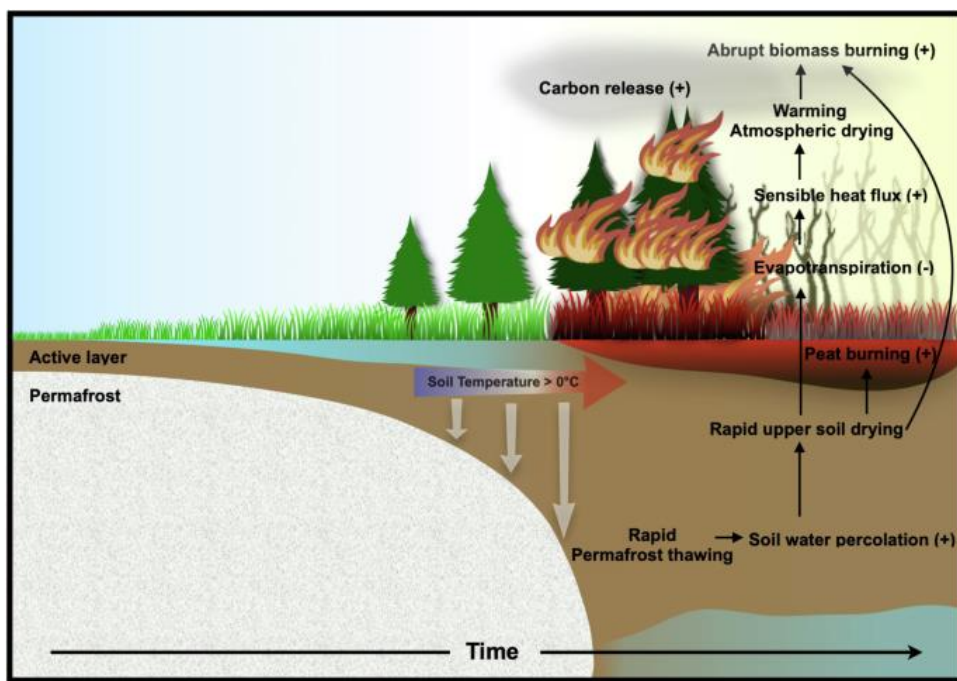
Humans evolved in a cool phase, we won't survive if it gets as hot as it has been in the past.



CONCLUSION: PhanDA provides a statistically robust estimate of GMST through the Phanerozoic. We find that Earth's temperature has varied more dynamically than previously thought and that greenhouse climates were very warm. CO₂ is the dominant driver of Phanerozoic climate, emphasizing the importance of this greenhouse gas in shaping Earth history. The consistency of apparent Earth system sensitivity (~8°C) is surprising and deserves further investigation. More broadly, PhanDA provides critical context for the evolution of life on Earth, as well as present and future climate changes. ■

Abrupt increase in Arctic-Subarctic wildfires caused by future permafrost thaw

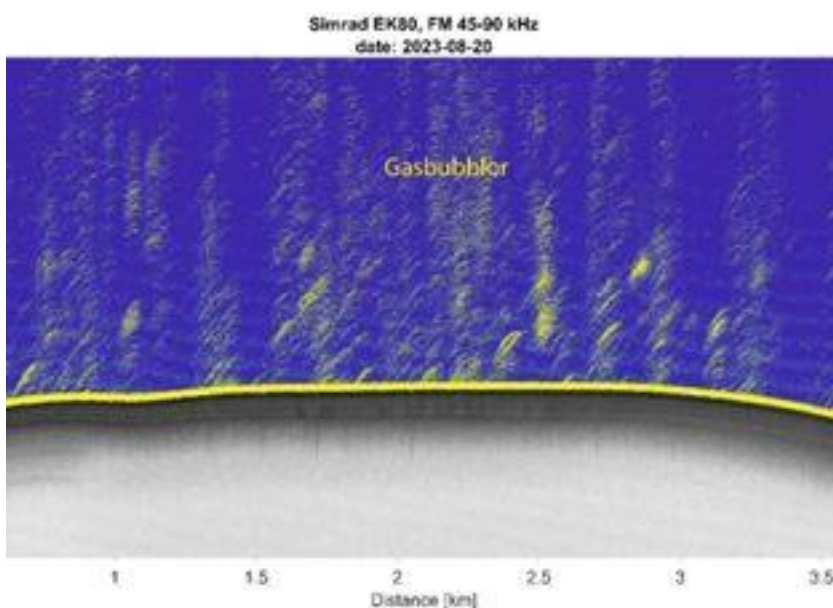
In-Won Kim , [Axel Timmermann](#), [Ji-Eun Kim](#), [Keith B. Rodgers](#), [Sun-Seon Lee](#), [Hanna Lee](#) & [William R. Wieder](#)



<https://www.scimex.org/newsfeed/permafrost-thawing-could-increase-wildfires-in-the-arctic-and-sub-arctic-due-to-climate-change>

<https://www.nature.com/articles/s41467-024-51471-x>

Strange methane leak discovered at the deepest point of the Baltic Sea baffling scientists



<https://www.livescience.com/planet-earth/rivers-oceans/strange-methane-leak-discovered-at-the-deepest-point-of-the-baltic-sea-baffling-scientists>

The Human Superorganism

Nate Hagens' paper *Economics for the future – Beyond the superorganism* suggests that all 8 billion humans can be thought of as behaving in the manner of a single living organism – the Human Superorganism – following a handful of simple rules. The Anthropocene Crisis can be understood by this concept.

5.2. The Superorganism: *blind, hungry and in charge*

What began some 11,000 years ago as hunter gatherers cooperating to obtain physical surplus from land, has morphed into a globally connected human culture maximizing financial representations of physical surplus (Gowdy and Krall, 2013). In pursuit of economic growth, modern human culture appears as a self-organized, mindless, energy seeking Superorganism, functioning in similar ways to a brainless amoeba using simple tropisms. But why? How?

In nature, an individual starling follows three simple rules (Reynolds, 1987):

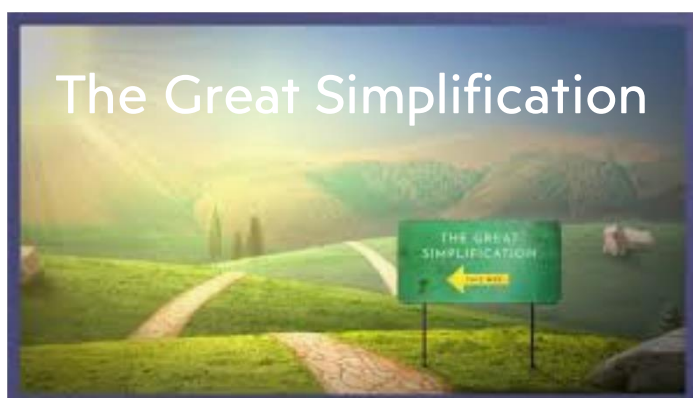
- 1) *Do what your neighbor does*
- 2) *Don't get too close*
- 3) *Fly towards the center*

When tens of thousands of starlings follow these simple rules we see a beautiful, complex murmuration in the sky. This is an emergent result not predictable by the biology and behavior of the individual birds.

In similar ways, the surplus creating "requirements" of the global economic superorganism call forth compatible behaviors like acquisitiveness, greed for possessions, and simplified individual behaviors. Today, *most* modern humans – as individuals – follow something like the following 3 simple rules:

- 1) *Execute optimal foraging algorithms by coordinating with other humans (families, small businesses, corporations, nations) towards acquiring financial surplus*
- 2) *Pursue culturally condoned behaviors*
- 3) *Spend the financial surplus on comfortable, fun things or experiences (as long as culturally acceptable)*

In a global culture maximizing surplus value, human brains are thus linked to energy use via the 'pursuit of comfort' and 'avoidance of pain'. In aggregate, human economies require power just as animals eat food, or oak trees grow leaves (Odum, 2007). The emergent property of 7.7 billion humans going through their daily lives following simple rules like these is a 'Superorganism' with a 17TW metabolism⁴.



Nate Hagens' Anthropocene Poetry:

In a materially rich, modern world,

the habituation to the action of consumption

leads to the wanting of things culture-wide

being stronger than the reward we get from having them.

This is a fundamental problem

for an economic system

that's turning billions of barrels of oil

into microliters of dopamine.

<https://www.sciencedirect.com/science/article/pii/S0921800919310067>

<https://www.youtube.com/playlist?list=PLdc087VsWiC4Nwh42Sm5hHpu2OGgi-Ez1>

The Phyto & the Zoop

The humble Phyto (Phytoplankton) are being enrolled to suck CO₂ out of the atmosphere and send it deep into the ocean where it will reside for 100 years or more.

Two new studies shine the light on the Phyto.

Next steps for assessing ocean iron fertilization for marine carbon dioxide removal

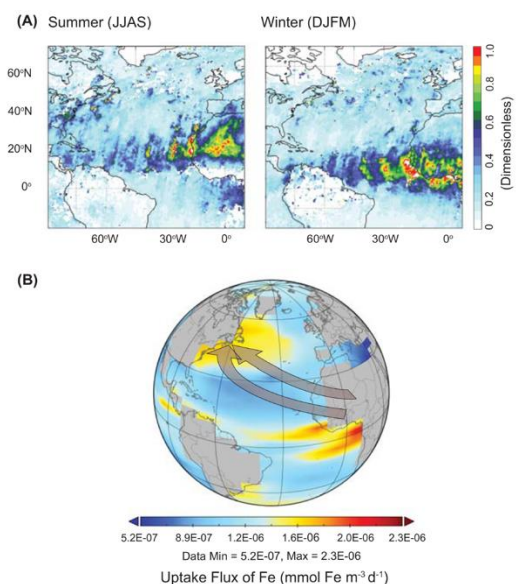
There are many potential approaches to marine carbon dioxide removal (mCDR), of which ocean iron fertilization (OIF) has the longest history of study. However, OIF studies to date were not primarily designed to quantify the durability of carbon (C) storage, nor how wise OIF might be as an mCDR approach. To quantify C sequestration, we introduce a metric called the “centennial tonne,” defined as 1,000 kg of C isolated from atmospheric contact for on average at least 100 years.



<https://www.frontiersin.org/journals/climate/articles/10.3389/fclim.2024.1430957/pdf?isPublishedV2=true>

Long-range transport of dust enhances oceanic iron bioavailability.

Iron in dust blown from the Sahara becomes more beneficial to phyto growth the further it travels through the air.



(A) Modern dust transport over the North Atlantic Ocean. Map of dust aerosol optical depth (AOD) over the North Atlantic showing the transport of African dust across the North Atlantic Ocean during the boreal summer (June-July-August-September (JJAS)) and boreal winter (December-January-February-March (DJFM)). AOD is a measure of the extinction of the solar beam by dust and haze. It is a dimensionless number that is related to the amount of aerosol in the vertical column of atmosphere over the observation location. (B) Uptake of Fe flux modeled using ecoCnIE. Gray arrow indicates the African dust that are carried from Northern Africa across the Atlantic Ocean.

<https://www.frontiersin.org/journal/s/marine-science/articles/10.3389/fmars.2024.1428621/pdf?isPublishedV2=false>

Activist Arrest

Pheobe, Roger and Paul

Phoebe Plummer, jailed for two years.



https://www.theguardian.com/environment/2024/sep/27/just-stop-oil-activist-phoebe-plummer-jailed-throwing-soup-van-gogh-sunflowers?CMP=tw_t_a-environment_b-qdneco



Meanwhile, in a London art gallery, Phoebe's spirit is free.



Paul Watson, jailed in Greenland, awaits word on planned extradition to Japan.

Watson: "If I go to Japan, I will die in Japan."



Roger Hallam, jailed for 5 years, still organizing a non-violent rebellion.

“The survivors are the fit ones, not because they can run fast, but because they are adaptable to change.”

The world is changing.
Are you adapting?



Falling Upwards
September 2024

Vita Sapien is an Australian registered charity.
Our mission is to foster a global spiritual-movement
for nature.



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vitasapien.org