METAMORFÓZA Těla, duše a ducha

Bohatství a budoucnost národů Co můžeme vědět? V co můžeme doufat?

The Metamorphosis of the Economy: Body to Spirit, Planetary Soul A philosophical, theological, reflection (a second step of Enlightenment)

Two metaTrends

Abstractization
Planetization

One Future

• Planetary New Republic of Internet

The Metamorphosis of the Economy: Body to Spirit, part II. A philosophical, theological, reflection (a second step of Enlightenment)

- Riches of the Soul (we are migrating to the world of symbolic representations. Quote Matrix
 - Art (primitive to abstract representations)
 - Math richer in time: more complex and abstract
 - Science more abstract
 - The Soul economy
 - Body less economy
 - Money
 - Feminism
 - Age of a child
 - Birth of dominance of non-tangible economy
 - From things to thinks
 - GDP and Energy consumption (Swiss, Sweeden, Czech Republic, Poland)
 - Banks during Covid, GDP Domestic truly
 - IBM-MS-Google
 - Percentage of ppl using internet
 - Prices of memory chips
- The world that matter only detesting entity could not see /understand /notice

- Growth of Riches of the Spirit (?)
 - Morals measure?
 - Chamurapy code to Old testament to Declaration of human rights
 - Make love not war - > make trade not war
 - Love your enemies (Germany was a founding country)
 - Love your opposition (Job, Christ) - > release the spirit of others
 - Christianity has the most absurd goodness
 - Moral exoskeleton is better : pension system, general healthcare, mandatory schooling)
 - Freedom of religion, freedom of information, freedom of travel, political freedom, freedom of speech,
 - Spiritualization of money
 - From gold to paper, from paper (matter) to 0-1 magnetic symbols

Second megatrend: Expand

- The universe not only grew in Riches, it also expanded (picture: repeat of expanding universe)
- A principle well known in Economics: Speciskization. 8n order to specialze there must be many of us, and all of us different
- Family tribe willafges city states feudal kingdoms - empires - states - unions (USA, EU) - bipolar word (E cs W) - planetary galactic
- Theory: From civilization 0 to civilization 18

Civilization No. 1

Planetary

We already have some institutions typical d for type 2 civilization

- Internet
- Business
- Time (not other measures

Evolution of trade - glue of nations (more than religion)

The Metamorphosis of the Economy: Future applications A philosophical, theological, reflection (a second step of Enlightenment)

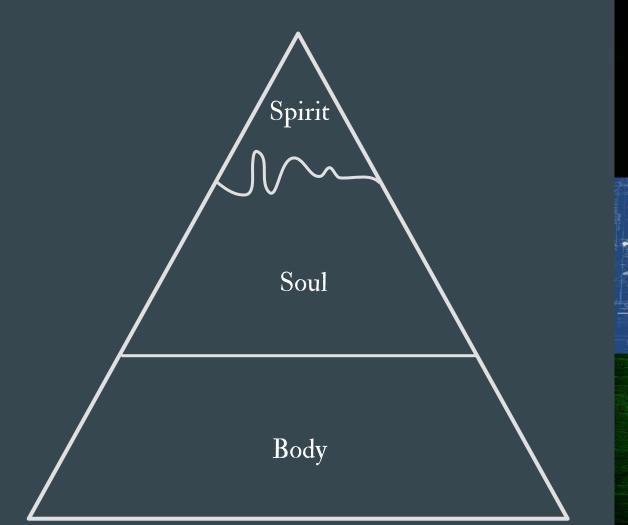
- Futures
 - The age of Windows - > the age of Doors
 - Banks, insurance case study
 - Future of labour
- Omega point
- Ray Kurzweil: spermatitmzing all matter of the Universe into by our soul/logos
- Return of the hero (first tourism: spiritual adventure)
 - Analysis of paradise
 - Prodigal son (we leave to return to a rediscovered paradise:home
 - Main direction in the Bible: return (from Egypt back to promised land)
 - Reconciliation of the father and son
 - Main story in our stories (Darth Vader and Luke Skywalker, Stalker, Christianity)
- Frodo confess back home to Bag End this is the true paradise for Frodo, Sam and Pippin in the Middle Earth: a rescued mundane home.
- From Eden to New Jerusalem
 - Upgraded paradise
 - More people
 - More abstract
 - Light not from Sun (nature) but from the Spirit
 - 4 spatial dimensions
 - There are up to 11+½D
- Keynes prediction (vs. Dismal Economics of Malthus, Marx)
 - Ethics will be cheap
 - We will break the curse of labour, by Spirit and soul

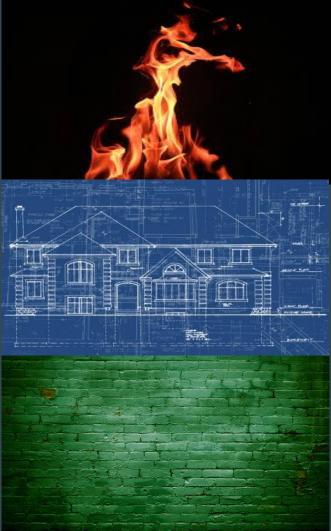
Conclusions

- SSB inventura 🚵 🔺
- •
- Enough of Growth in Body, continuation in Soul and Spirit
 - Everybody and everything wants to grow: most of all spiritual people in their spirituality
- Have a lean body, feed your soul and be attentive to the Spirit
- See what things around us are d8ssaoear8nf from the material world
 - Books, CDs, maps, cameras
 - Touch
 - Boundaries:countries, gender

Franz Kafka: Touha stati se Indiánem

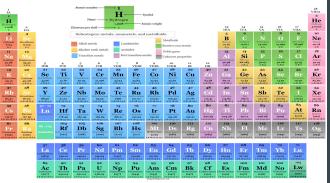
Kdyby tak člověk byl Indiánem, vždy pohotový, a předkloněn ve vzduchu na pádícím koni, stále znovu by se zachvíval krátkými otřesy země, až by nechal ostruhy ostruhami, neboť ostruh nebylo, až by odhodil uzdu, neboť uzdy nebylo, a sotva před sebou spatřil zemi jak hladce vysečenou step, už i bez koňské šíje a hlavy.





Body (matter): real

- Most intuitive reality: stuff
- Matter, made of atoms, periodic table
- Exclusive position in time and space
- Res Extensa, Descartes
- Has weight, width, volume









Soul (logos): symbolic

- Invisible but objectively real
- Analytic, infinitlely divisike
- Order, structures the real
- Symbolic realm
- Immortal
- Unchangeable, does not decompose
- Not exclusive in time-space Contains infinities and is thus infinite
- Every belief presupposes Two Worlds: "Exempt" and "Profane/Mundane".
- Can be Copy-Paste
- Travels at the speed of light, has no spatial or temporal restrictions
- Exists only on a fictional soul-plane (Noomosphere)
- Can be detected, measured, stored, analysed
- Can be dead, low level of consciousness (soul/structure of an atom, software, pension scheme) or alive (animal soul, human soul, etc.)

- "logos" giving Creation structure (divides a day into day/night, waters from waters, waters from the land, days)
- Plato's world/realm of ideas.
- Descartes: more real than matter (immortal, not decept8ble by senses,
- Detached yet attached world to matter
- Intellect, know how, logic, software
- Law, democracy, human rights, organisational structure of your company, money, language, mathematics - is only really actual in the real world if it is believed by its enactors. Pension scheme, banks insurance companies, tax system, traffic rules
- Laws of physics, chemistry etc.: gravitational force, weak and strong nuclear force, electromagnetism
- When you are in autopilot, doing things that have been done before, when you become software, kinds second body, "slave" in some "master-slave "function = you are living according to the soul (the spirit is somewhere else).

Spirit (creative force) - Hegel's WeltGeist, Keynes' Animal Spirits

- Even more invisible than the soul.
- Optional. So intangible, it becomes a matter of (un)belief.
- Meaning, purpose, telos, freedom, no a-priori rules Meaning outside of the entity.
- Not intrinsic to the entity.
 - Not necessary to the functioning of the entity is enough) nor the system (dualistic philosop a long tradition).
- Comes and goes (possesses) as it pleases (if success leaves a soul structure behind)
- It "attacks" us from outside (- "napadl mě nápad")
- Unlike soul, it's non-analytic, non-divisible, not controllable, non-predictable.
- Cannot be Copy-Paste. It is the beginning of things (think of a library, draw a library, build a library)
- Domain of Silence

- Hebrew El, creative "Spirit above Waters", gives Creation meaning. Then comes "logos", soul to structure creation with logic.
- Presocratic Musae, Plato's Diamonion: that *which wants out* from an artist and a philosopher
- Holy Spirit Christ God in Body, Holy Spirit God without a body Jesus vs Pharisees till today:
 - Pharisees: (ethical) rules are the foundation of the Real,
 - Jesus: the foundation of the real is Spirit with no rules (love, forgiveness, mercy, compassion, father-son, no longer slaves but sons and friends of God The Spirit)
- Hegel's WeltGeist
 - Extraterrestrial guiding spirit that gives history meaning
 - (Geist gist of an argument, gejsir, Geisteswissenschaften)
- Keynes' "anima spirit"
- Wittgenstein "Of what we cannot talk about, we must pass in silence "Russell: But those are the most important things in life "- this is the silent realm of the Spirit. Radically new =no words.
- M. Buber I-thou (not I-it) relationship.
- Music vs rules of music. Sound versus the wavelength of sound. Spirit is the "it".
- When you co-create something new. Art. "Flow" (psychologist Mihály Csíkszentmihályi, 1970). When you become possessed by inspiration (Newton famously could not move for hours when he was possessed by ideas)
- Life² Ezekiel the living creatures, Jesus the living water after which you will never thirst again

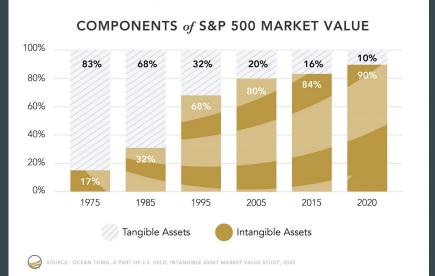
John3:6 "Flesh gives birth to flesh, but the Spirit gives birth to spirit. You should not be surprised at my saying, 'You must be born again.' The wind blows wherever it pleases. You hear its sound, but you cannot tell where it comes from or where it is going. So it is with everyone born of the Spirit."

Example: Cell Phone - A History of Tortured Stone by Human Soul

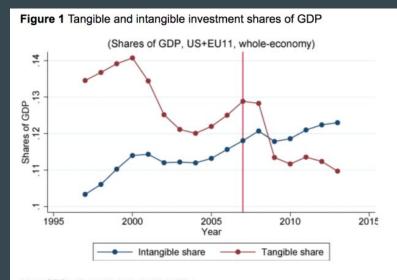
Spirit: Human being priceless Soul: Weight: o g. alue: price of the cellphone - Body

Body: Weight: 129 g. Value if without soul: 1,03\$

-Soul: 60%-70% of GDP, 90% S&P 500



ČR: sektor služeb (62 %), podíl průmyslu činí 30 %, podíl stavebnictví 6 % a podíl zemědělství 2 %.(v roce 1993 to bylo 4,9 %)



Note: GDP adjusted to include intangibles.

The Body - Brief History of Enriching the Material Real

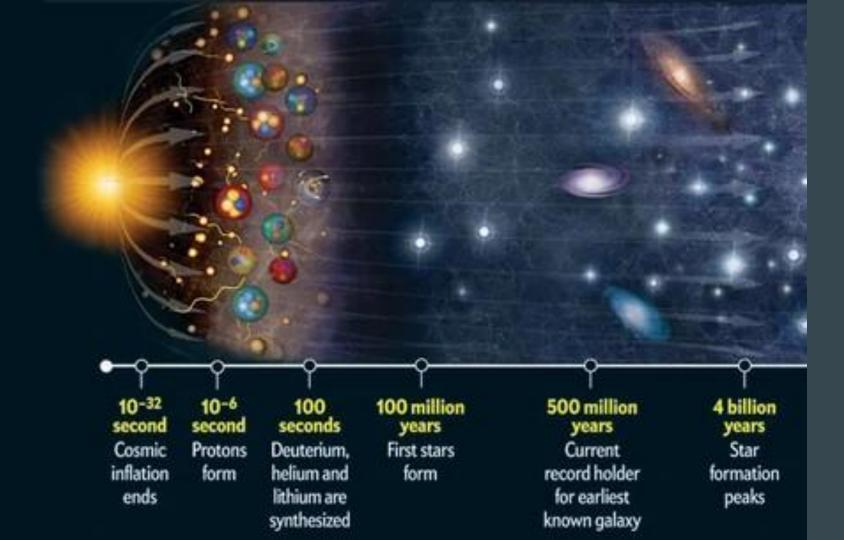
In the Beginning...

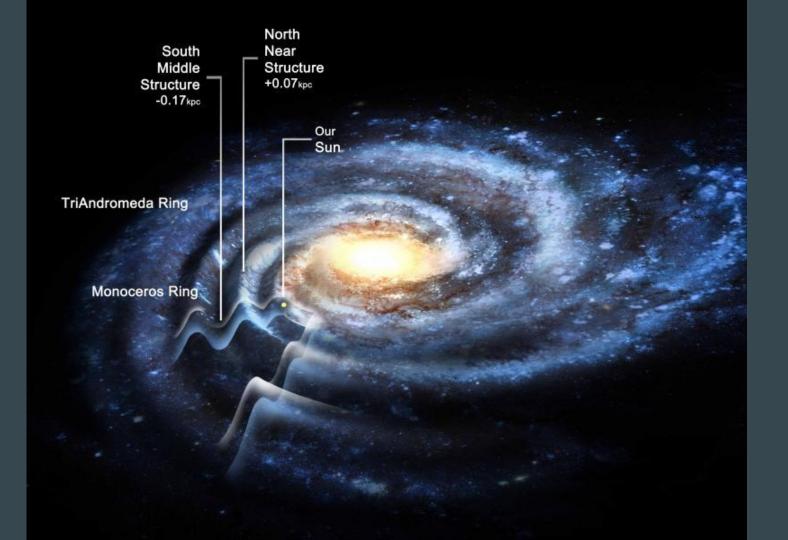
"In the beginning ... the Spirit was hovering above the deep"

Genesis 1:1-2

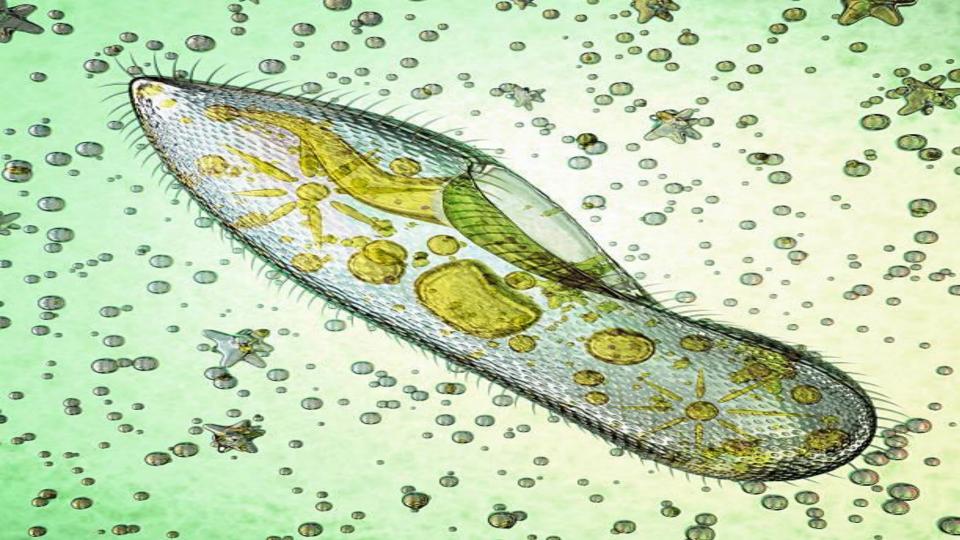
The Universe Was Poor

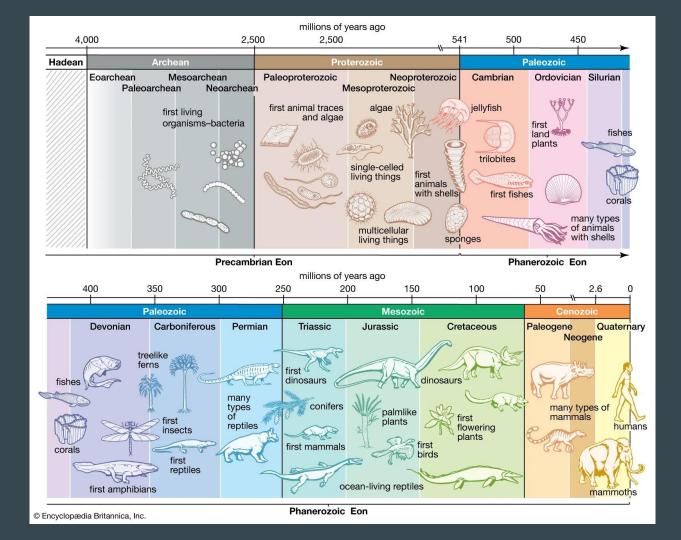


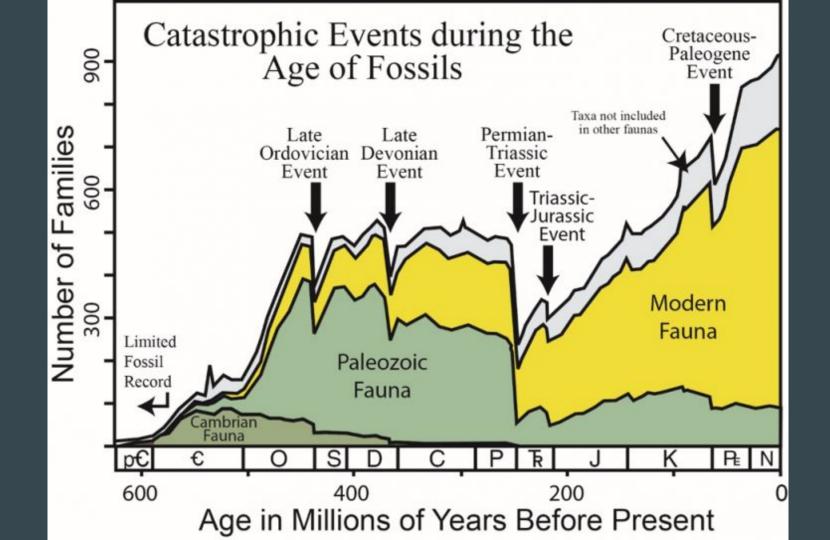


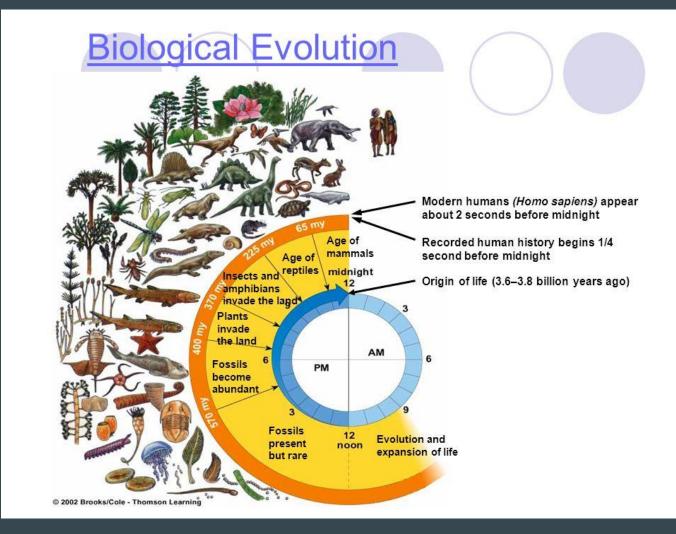












An Animal Possessed by a Spirit

•

- It could have happened to any other animal.
- But it happened to us: we became naturally unnatural
- We live in an artificial world
 - Body city instead of forest
 - Soul symbols instead of real
 - Spirit it believes in
 - We are possessed to possess

Stone in our hands became cellphone in our hands. (Stanley Kubrick, 2000 Space Oddysey,1968)

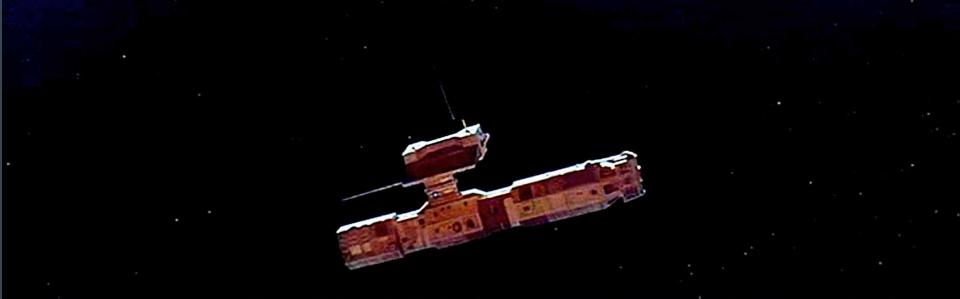












The 4,000,000-year cut

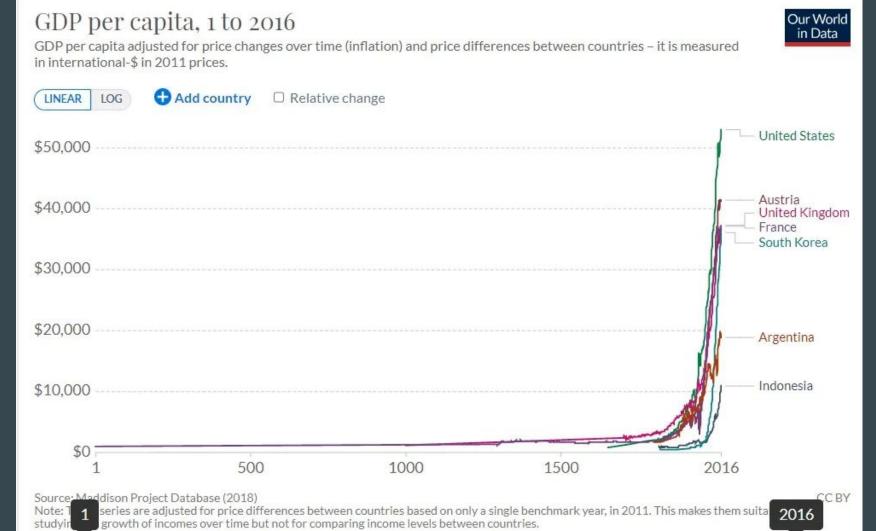
World GDP over the last two millennia

Total output of the world economy. This data is adjusted for inflation and differences in the cost of living between countries.

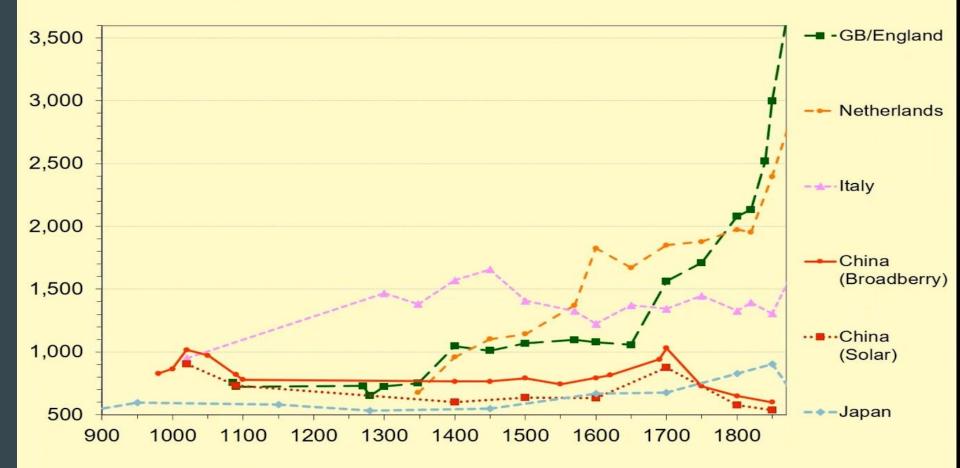
\$100 trillion				
¢roo timon				
\$80 trillion				
				ł
Aco				
\$60 trillion				
				1
\$40 trillion				
				1
\$20 trillion				I
\$0+				
1	500	1000	1500	2015
Source: Our World In Data based on World Bank & Maddison (2017)		17)	OurWorldInData.org/economic-growth • CC BY	

Note: This data is expressed in international-\$ at 2011 prices.

Our World in Data

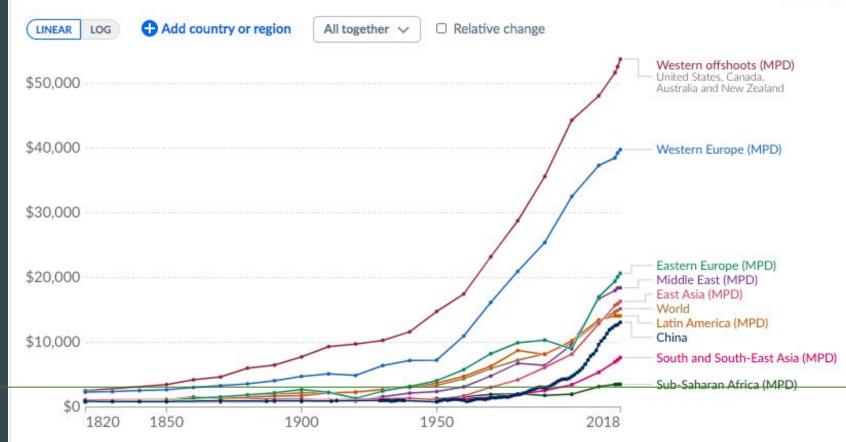


The "Great Divergence", 1000-1870: per capita GDP (1990 international dollars), 1000-1870



GDP per capita, 1820 to 2018

This data is adjusted for inflation and for differences in the cost of living between countries.



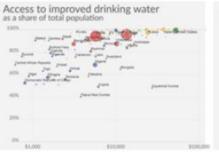
Source: Maddison Project Database 2020 (Bolt and van Zanden, 2020) Note: This data is expressed in <u>international-\$</u> at 2011 prices. Our World in Data

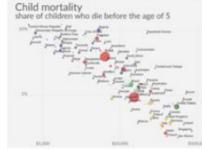
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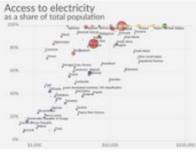
How is life at different levels of income?

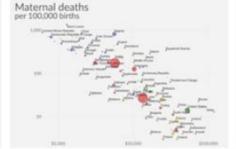
The horizontal axis of each of the 12 charts shows GDP per capita adjusted for price differences between countries to allow for comparisons between countries. The size of the circles corresponds to the population of the country. Their color represents the world region.

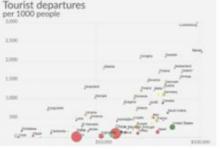


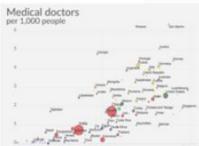








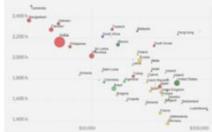


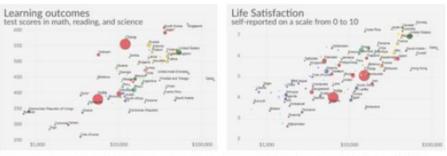


Our World

in Data

Average annual working hours



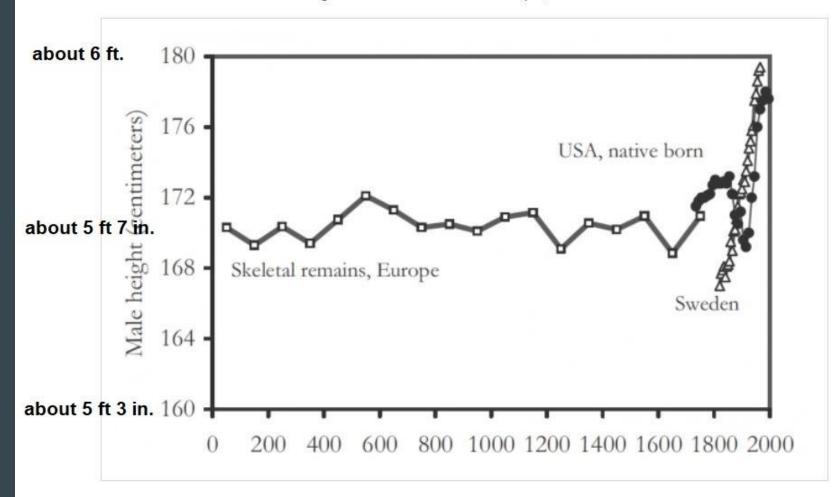




All data refers to 2015-17. The World Development Indicators are the source for all metrics except life satisfaction (Gallup World Poll) and learning outcomes (Altinok, Angrist and Patrinos - 2018) This is a visualization from OurWorldinData.org, where you find data and research on how the world is changing. Licensed under CC-BY by the author Max Roser.

Learning outcomes

Male heights from skeletons in Europe, 1-2000 – Clark³



Period	Height (centimeters)				
Mesolithic (a)	168 (67 kg)				
Neolithic (a,b)	167				
	173				
1600-1800 (c)	167				
1700-1800 (c)	165				
1700-1850 (c)	170				
Pre-Dynastic (d)	165				
Dynastic (d)	166				
2500 BC (e)	166				
1700 BC (f)	166				
2000-1000 BC (g)	169				
300 BC-AD 250 (h)	161				
1200-1600 (h)	159				
1603-1867 (h)	158				
1450 (i)	174				
1650 (i)	173				
1500-1750 (i)	174				
1400-1800 (i)	173				

Height of adult men, 1896 to 1996

Height of adult men by year of birth. Poor nutrition and illness in childhood limit human growth. As a consequence, the average height of a population is strongly correlated with living standards in a population.

Select countries or regions

(North America 80,7 kg)

-	1 ¹¹	A 182.54 cm Netherlands
180 cm		180.1 cm Czechia 180 cm 178.93 cm Ireland
175 cm		177.26 cm Hungary 175.97 cm North America 174.74 cm Romania 173.57 cm Iran 175 cm
 170 cm	Sweden 171.9 cm Iceland 170.54 cm Netherlands 169.43 cm	172.09 cm Palestine 170.51 cm Middle East and North Africa 170 cm
	North America 167.85 cm	168.36 cm Eritrea 167.3 cm Sub-Saharan Africa
165 cm	Europe and Central 165.72 cm Asia Eritrea 163.79 cm	165.24 cm South Asia 165 cm 164.14 cm Solomon Islands
	Sub-Saharan Africa 162.42 cm	162.81 cm Marshall Islands 161.55 cm Madagascar
160 cm	Middle East and North Africa 159.55 cm	159.79 cm East Timor 160 cm
155 cm	Iran 157.06 cm Ecuador 155.63 cm Yemen 154.5 cm East Timor 153.03 cm	155 cm
	1896	1996
-		

OurWorldInData.org/hu

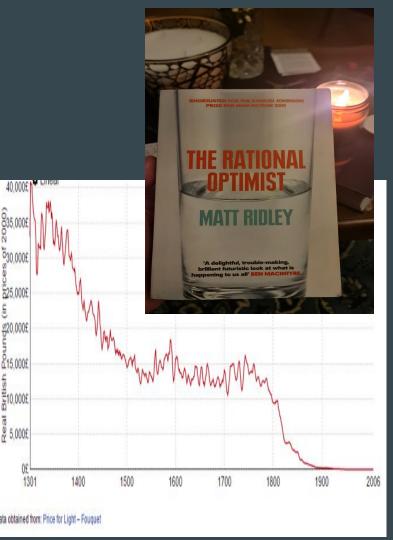
One hour of artificial light

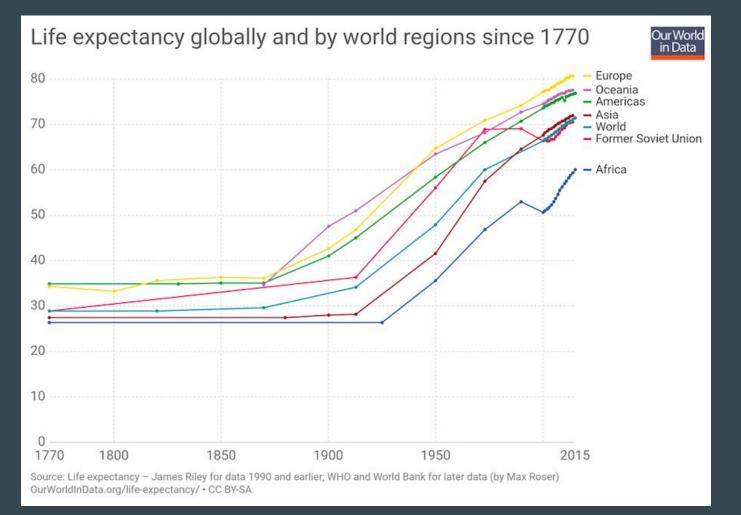
"One hour of artificial light two thousand years before Christ cost a worker in Babylon more than fifty hours of work (sesame oil).

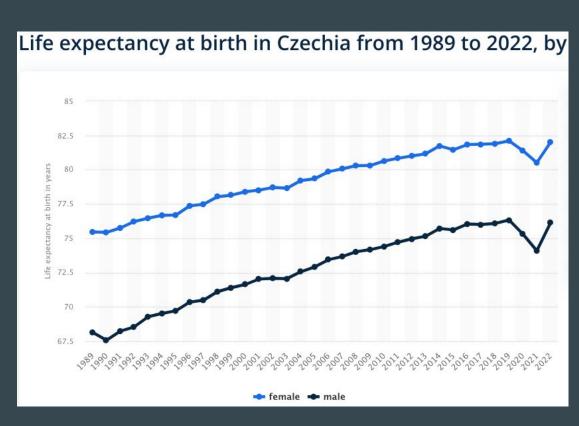
In 1800, an hour of average labor bought you ten minutes of artificial light to read by at night. That's six hours of work for one hour of light.

Today, the same sixty minutes of work can buy you 300 days of artificial light. You have to work hard for half a second for today's hour of electric light with a modern energy-saving bulb.

That's 43,200 times less than today."







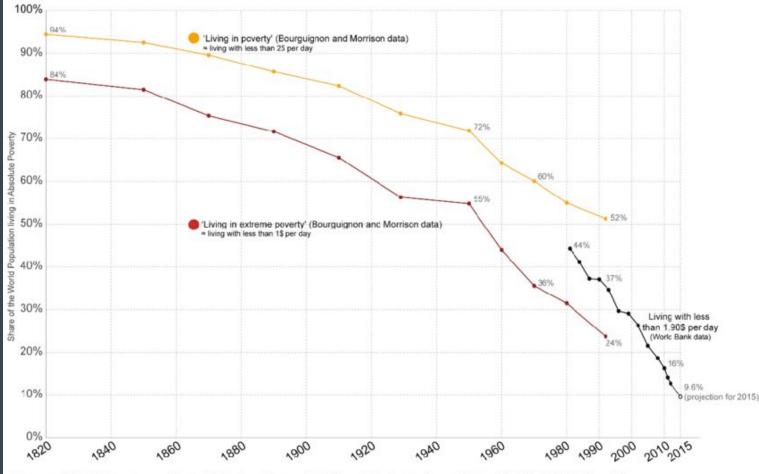
https://www.worldometers.info/dem ographics/life-expectancy/

#	Country	Life Exp ec.	Fema les	Male s
I	Hong Kong	85.83	88.66	83.00
4	Switzerland	84.38	86.o <i>5</i>	82.63
27	<u>Belgium</u>	82.46	84.50	<mark>80.36</mark>
29	<u>Slovenia</u>	82.31	84.75	79.86
46	<u>Czech</u> <u>Republic</u>	79.82	82.58	77.02
47	United States	79.74	82.23	77.27
100	<u>Russia</u>	7 4-5 7	79.29	69.52

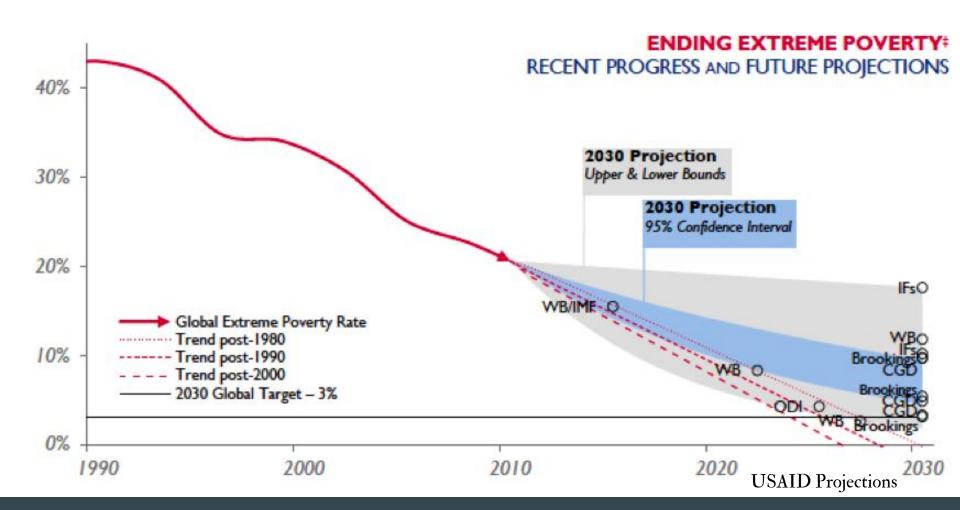


Share of the World Population living in Absolute Poverty, 1820-2015

All data are adjusted for inflation over time and for price differences between countries (PPP adjustment).



Data sources: 1820-1992 Bourguignon and Morrison (2002) - Inequality among World Citizens, In The American Economic Review; 1981-2015 World Bank (PovcalNet) The Interactive data visualisation is available at OurWorldinData.org. There you find the raw data and more visualisations on this topic. Licensed under CC-BY-SA by the author Max Foser.



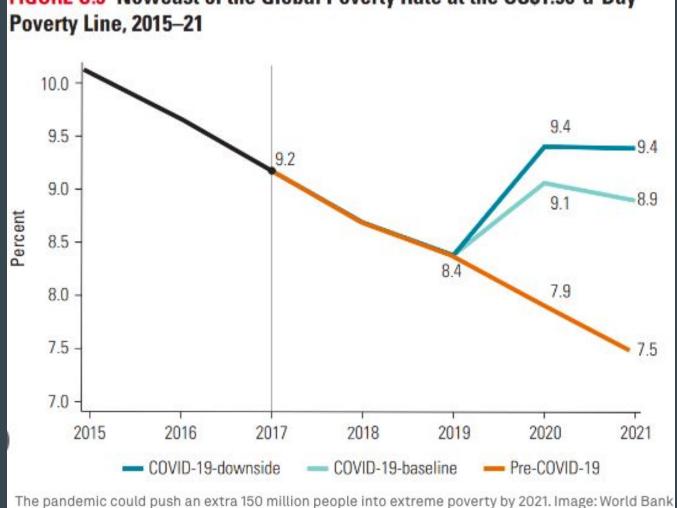
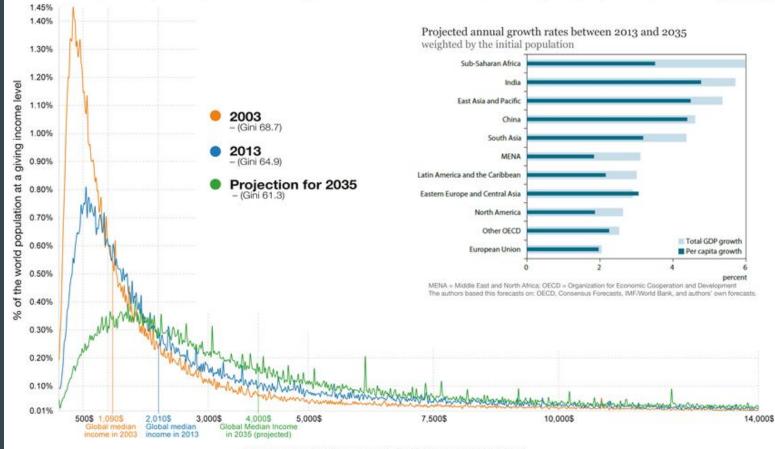


FIGURE 0.3 Nowcast of the Global Poverty Rate at the US\$1.90-a-Day

Absolute	ORelative				
000,000,000					
000,000,000					
000,000,000					
000,000,000					
000,000,000					
00,000,000			 		
00,000,000					

Data obtained from: World Poverty in absolute numbers (Max Roser based on World Bank and Bourguignon and Morrisson (2002))

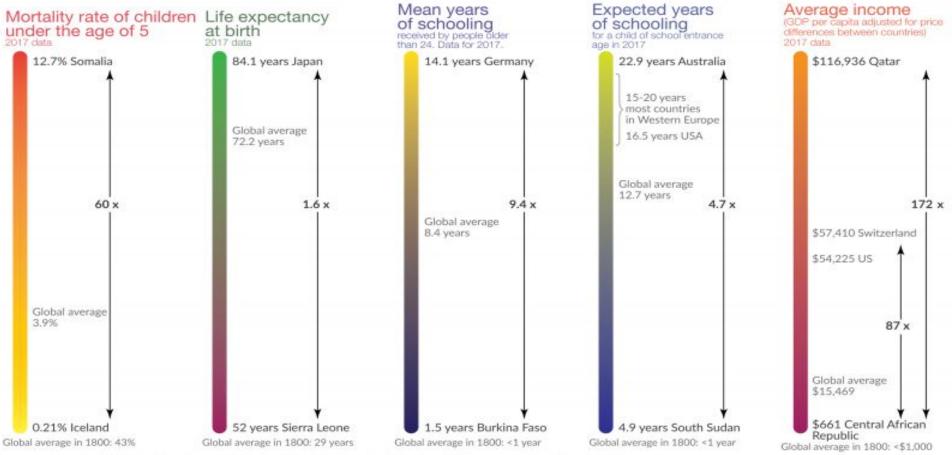
The global income distribution in 2003, 2013, and the projection for 2035 Incomes are adjusted for price changes over time and for price differences between countries (purchasing power parity (PPP) adjustment).



Income per world citizen per year (in 2011 international dollars)

Source for all data: Tomáš Hellebrandt and Paolo Mauro (2015) - The Future of Worldwide Income Distribution, working paper. The interactive data visualization is available at OurWorldinData.org. There you find the raw data and more visualizations on this topic. Our World in Data

Global inequality in living conditions between the world's worst-off and best-off countries



ata source; all data for 2017 is taken from various UN publications. Historical estimates for 1800 are from OECD - How was life? and Our World in Data This is a visualization from OurWorldinData.org, where you find data and research on the world's largest problems.

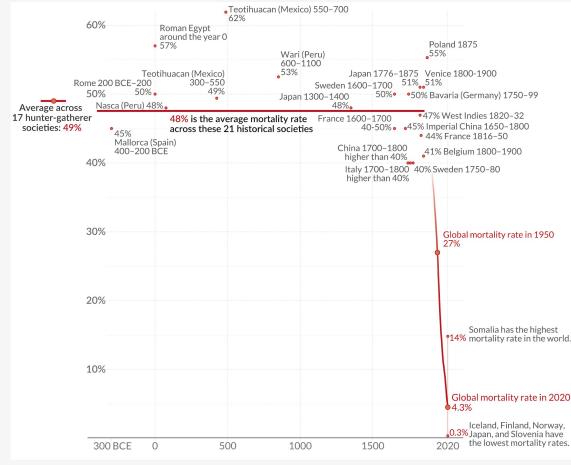
Licensed under CC-BY by the author Max Roser.

Our World in Data

The long-run history of child mortality Shown is the share of children who died before reaching the end of puberty.



Shown is the share of children who died before reaching the end of puberty. The exact age cut-off differs slightly between studies, but is around the age of 15.



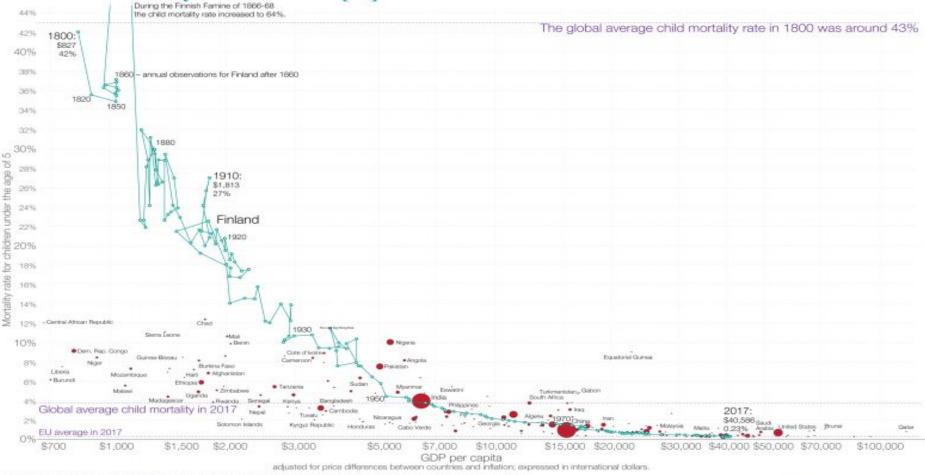
https://ourworldindata.org/c hild-mortality

Data sources: Volk and Atkinson (2013), Human Mortality Database, and UN IGME Licen
This is a visualization from OurWorldinData.org, the online publication for research and data to make progress against the world's largest problems

Licensed under CC-BY by the author Max Roser.

Child mortality and incomes [:•] around the world in 2017 and the history of Finland [%] over the last two centuries



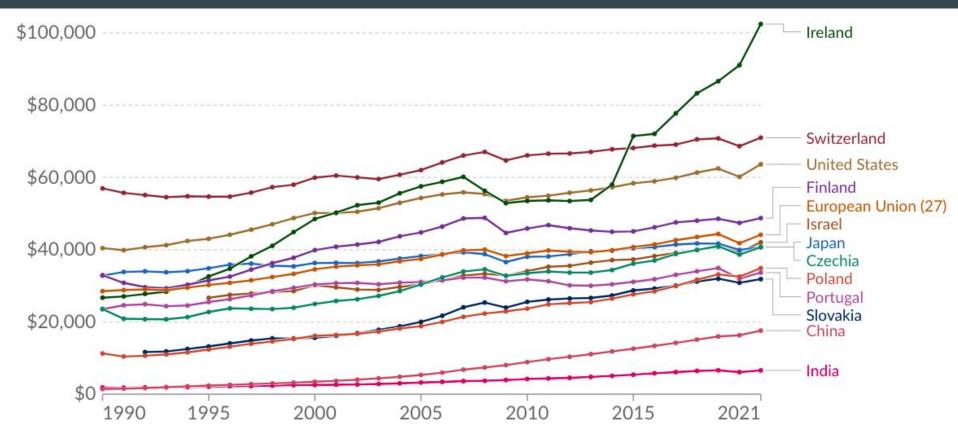


Data sources: World Bank for GDP per capita and child mortality in 2017, Maddison Project for GDP per capita of Finland over time. This is a visualization from OurWorldinData.org, where you research and data on how to make progress against the world's largest problems.

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European Region

HDP na hlavu, PPP



Source: Data compiled from multiple sources by World Bank Note: This data is expressed in international-\$ at 2017 prices. OurWorldInData.org/economic-growth • CC BY

Riches of the Soul

• The intangible, invisible world that matter-only-detecting-entity could not see/understand /notice

The Soul economy, Body-less economy

- Debodyzation of Money
- Feminism

- Age of a child
- Birth of dominance of non-tangible economy
- From things to thinks
- Banks during Covid, GDP Domestic truly

-

Example: IBM-MS-Google

CAN PLAN

BUSSIENE

Noosphere: the New Republic of Internet

Pierre Teilhard de Chardin

Cardinal Ratzinger:

"From very simple beginnings the path leads to ever greater and more complex unities, in which multiplicity is not abolished but merged into a growing synthesis, leading to the "Noosphere" in which spirit and its understanding embrace the whole and are blended into a kind of living organism. Invoking the epistles to the Ephesians and Colossians, Teilhard looks on Christ as the energy that strives toward the Noosphere and finally incorporates everything in its "fullness".

Eucharist and the final glorification of the cosmos.

Vladimir Ivanovich Vernadsky (1863-1945) Geosphere - >biosphere - >Noosphere

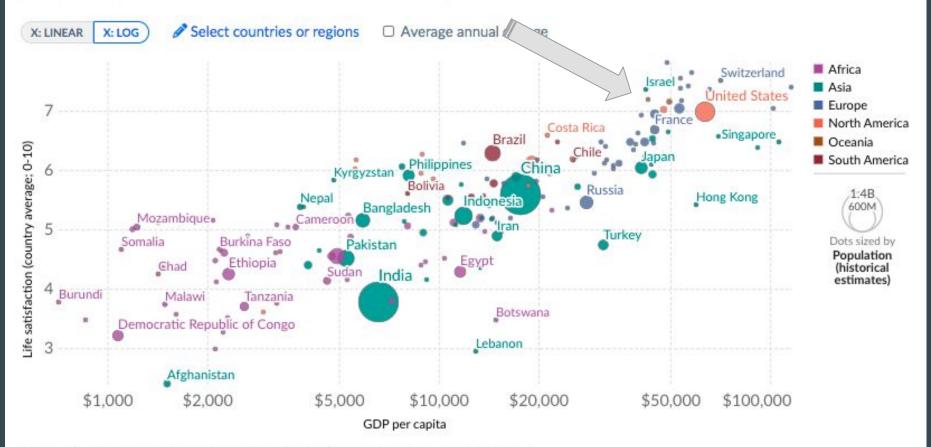
Best Example: West vs East Germany

GDP, Population, and GDP per capita comparison between East and West Germany

	East Germany						
	GDP (1990 Int\$, millions) ^[21]	Population (thousands) ^[22]	GDP per capita (\$)	GDP (1990 Int\$, millions) ^[21]	Population (thousands) ^[22]	GDP per capita (\$)	East as a % of West
1950	51,412	18,400	2,794	213,942	50,000	4,279	65
1990/1989 ^[note 1]	160,000	16,400	9,679	1,182,261	62,100	19,038	51
			Angus Madd	lison Data ^[23]			
1936	7 <mark>4,652</mark>	15,614	4,781.09	192,911	42,208	4,570.48	105
1950	51,412	18,388	2,795.95	213,942	49,983	4,280.30	65
1973	129,969	16,890	7,695.03	814,786	61,976	13,146.80	59
1990	82,177	16,111	5,100.68	1,182,281	63,254	18,690.69	27
1991	85,961	15,910	5,402.95	1,242,096	63,889	19,441.47	28

Self-reported life satisfaction vs. GDP per capita, 2022

Self-reported life satisfaction is measured on a scale ranging from 0-10, where 10 is the highest possible life satisfaction. GDP per capita is adjusted for inflation and differences in the cost of living between countries.



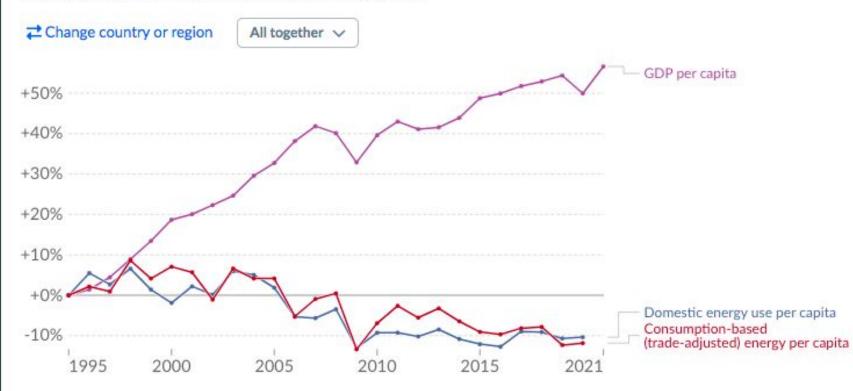
Our World in Data

Source: World Happiness Report (2023); Data compiled from multiple sources by World Bank

Changes in energy use vs. changes in GDP per capita, Sweden



Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods.



Source: Our World in Data based on BP; Shift Energy; UN Population & The World Bank

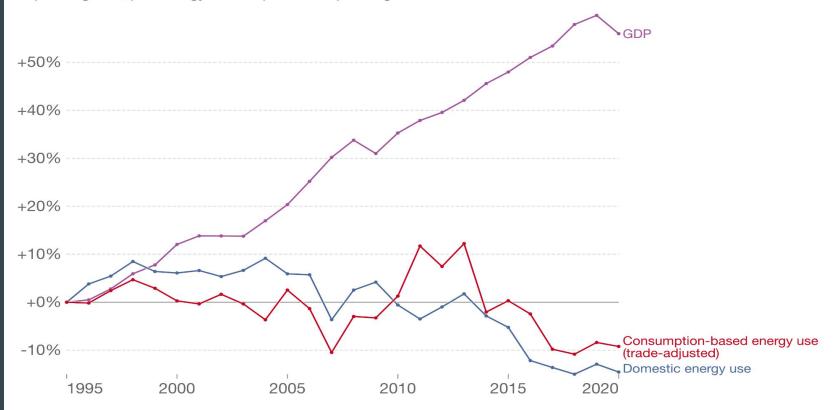
Note: Energy refers to primary energy, the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).

OurWorldInData.org/energy • CC BY

Changes in energy use vs. changes in GDP, Switzerland



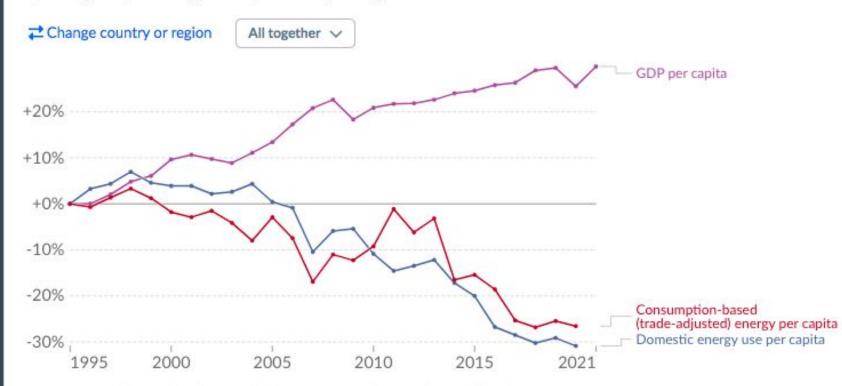
Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods.



Source: Energy data is calculated by Viktoras Kulionis, based on the EXIOBASE v3.8.2 database; GDP data from the World Bank Note: GDP is measured in 2017 constant international-\$ which adjusts for inflation and cross-country price differences. OurWorldInData.org/energy • CC BY

Changes in energy use vs. changes in GDP per capita, Switzerland

Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods.



Our World in Data

Source: Our World in Data based on BP; Shift Energy; UN Population & The World Bank

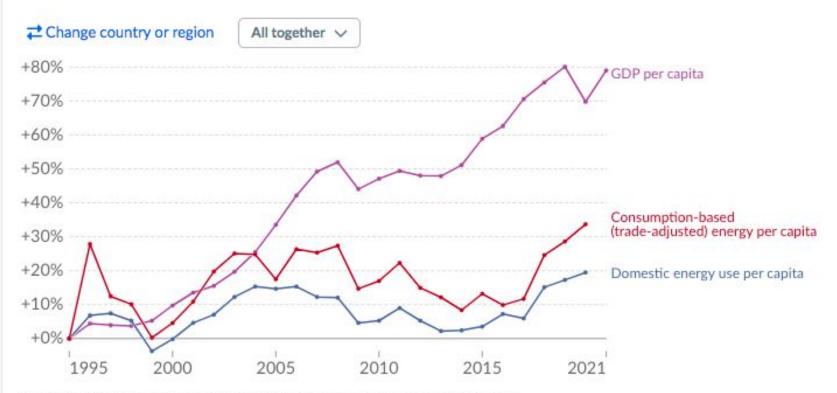
Note: Energy refers to primary energy, the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).

OurWorldInData.org/energy • CC BY

Changes in energy use vs. changes in GDP per capita, Czechia

Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods.

Our World in Data



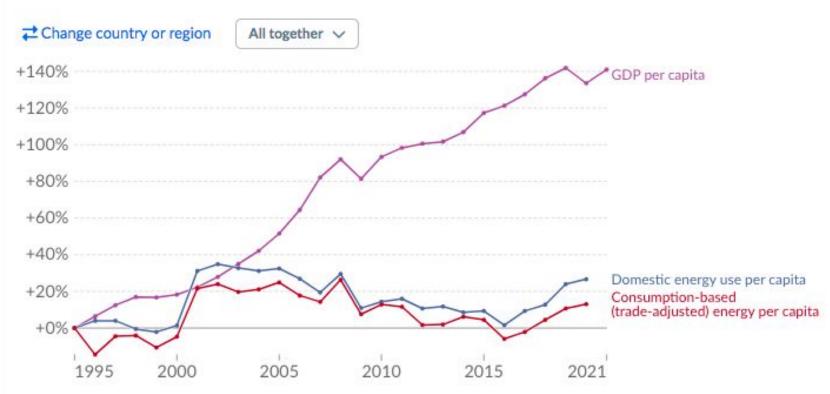
Source: Our World in Data based on BP; Shift Energy; UN Population & The World Bank

Note: Energy refers to primary energy, the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).

OurWorldInData.org/energy • CC BY

Changes in energy use vs. changes in GDP per capita, Slovakia

Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods. Our World in Data



Source: Our World in Data based on BP; Shift Energy; UN Population & The World Bank

Note: Energy refers to primary energy, the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).

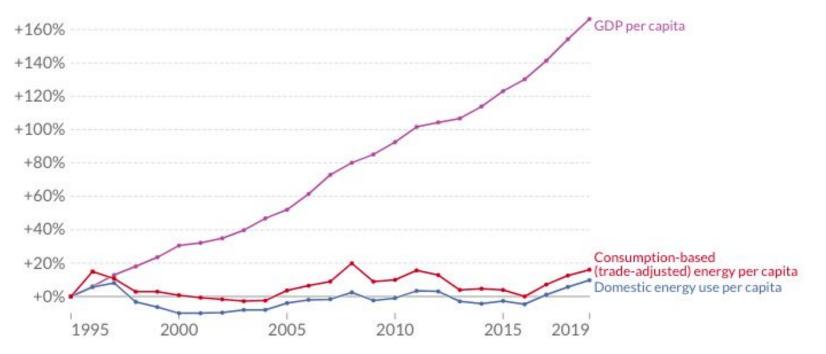
OurWorldInData org/energy . CC BY

Changes in energy use vs. changes in GDP per capita, Poland



Consumption-based (trade-adjusted) energy use measures domestic energy use minus energy used to produce exported goods, plus energy used to produce imported goods.

⇄ Change country

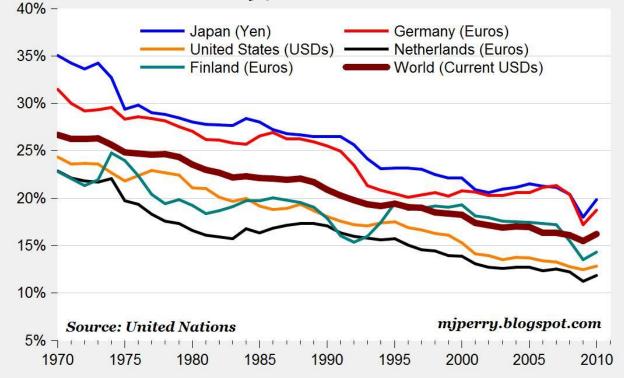


Source: Our World in Data based on BP; Shift Energy; UN Population & The World Bank OurWorldInData.org/energy • CC BY Note: Energy refers to primary energy, the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).



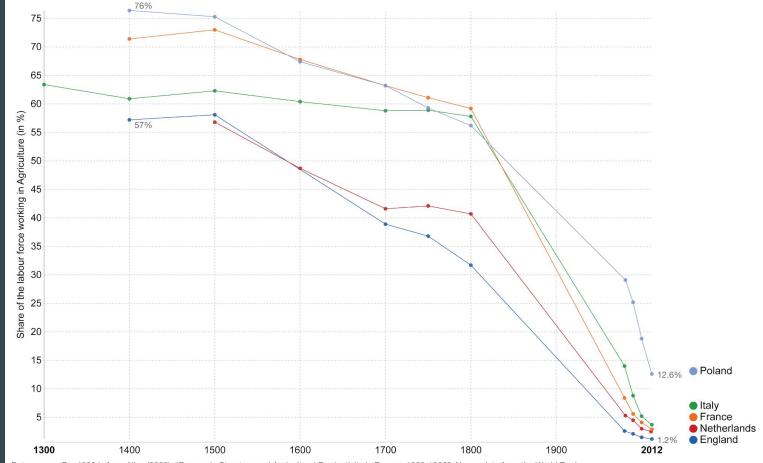


Manufacturing Share of GDP Current National Currency Units 1970 to 2010



Our World in Data

Share of the labor force working in agriculture, since 1300 – By Max Roser

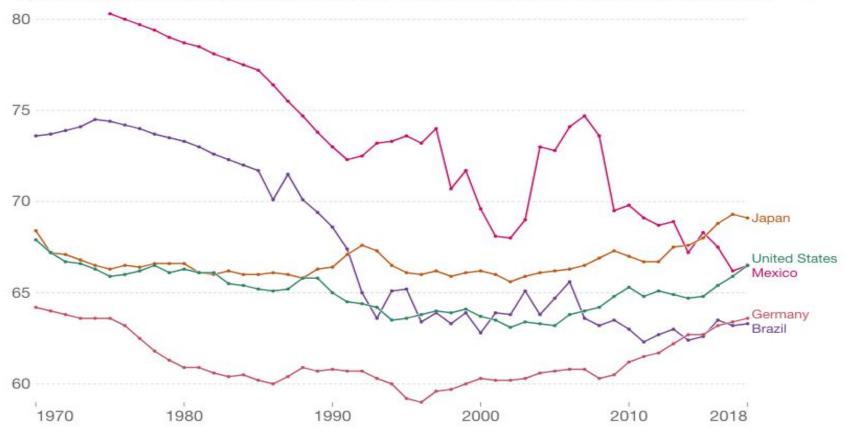


Data source: Pre 1800 is from Allen (2000), "Economic Structure and Agricultural Productivity in Europe, 1300-1800". Newer data from the World Bank. The interactive data visualization is available at OurWorldinData.org. There you find the raw data and more visualizations on this topic. Licensed under CC-BY-NC-SA by the author Max Roser.

Average effective age of retirement for women, 1970 to 2018

Our World in Data

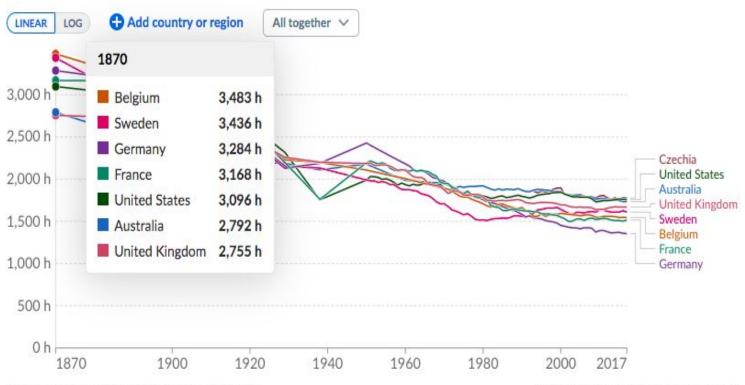
Estimates are based on a weighted average of changes in labour force participation rates by age, for workers 40+



Source: OECD (2018) - Database on Average Effective Retirement Age OurWorldInData.org/working-hours • CC BY Note: The estimate for each year corresponds to the 5-year interval leading up to that year (e.g. 1970 corresponds to period 1965-70)

Annual working hours per worker

Average working hours per worker over an entire year. Before 1950 the data corresponds only to full-time production workers (non-agricultural activities). Starting in 1950 estimates cover total hours worked in the economy as measured primarily from National Accounts data.



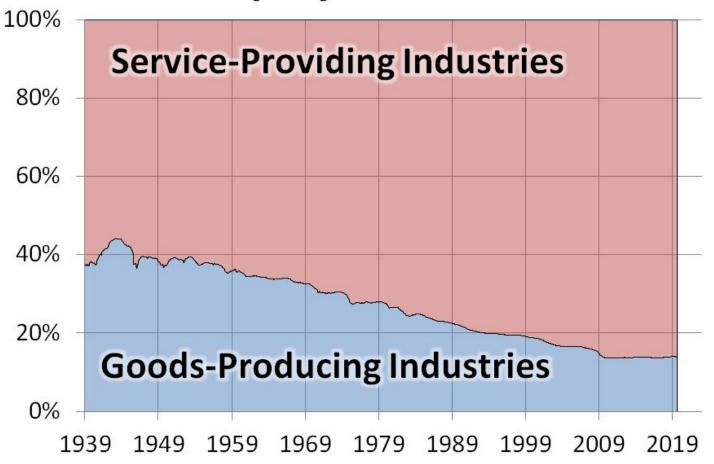
Source: Huberman & Minns (2007) and PWT 9.1 (2019)

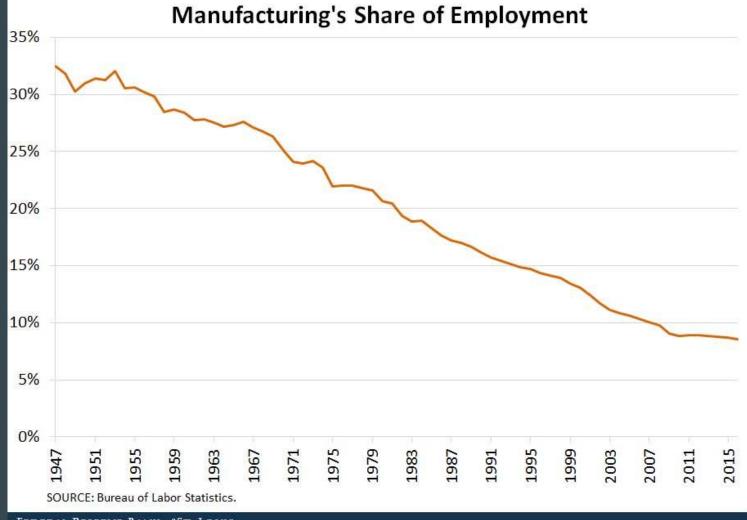
OurWorldInData.org/working-hours • CC BY

Our World in Data

Note: We plot the data from Huberman & Minns (2007) and extend coverage using an updated vintage of PWT, which uses the same underlying source. Comparisons between countries are limited due to differences in measurement.

Employment Ratio

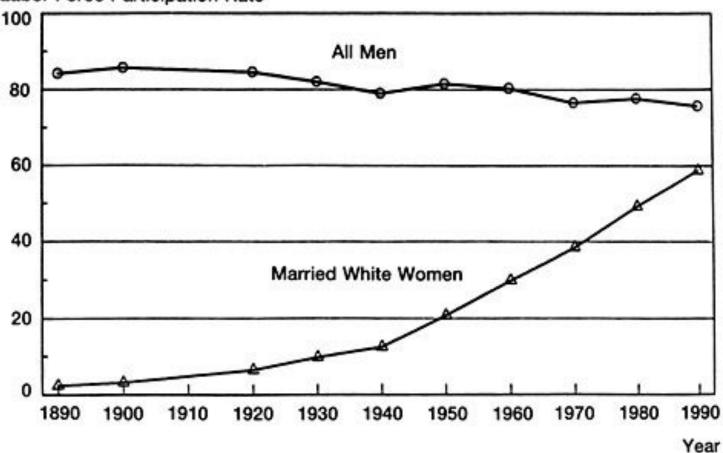




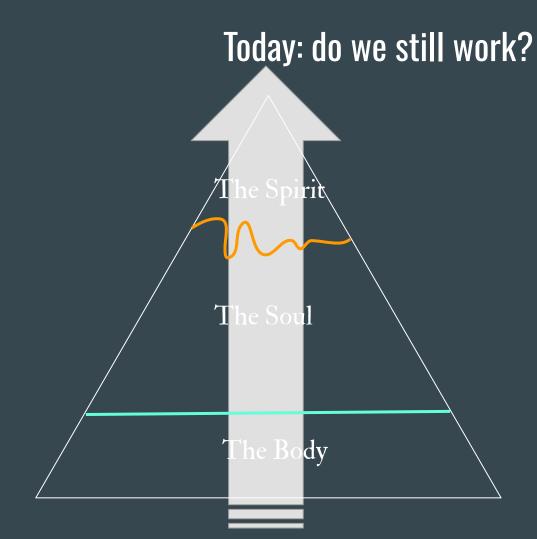
FEDERAL RESERVE BANK of ST. LOUIS

Female Soul Economy Claudia Goldin, Nobel Price 2023

Labor Force Participation Rate



America's FIRE Economy Finance, Insurance, & Real Estate vs Manufacturing (Value Added By Sector % of GDP) Sector Size % GDP 30.0 Global Macro Monitor macromon.wordpress.com 28.0 Manufacturing 26.0 1947 = 25.6% 24.0 2009 = 21.5% 22.0 20.0 18.0 16.0 14.0 1947 = 10.5%Finance, Insurance, Real Estate, Rental & Leasing 12.0 Source: Bureau of Economic Anlalysis 2009 = 11.2% 10.0 .9a7 1955 2009 949,957,953 199 1967 1967 .965 2007 .05



The Creation The Society The Economy The Company The Individual Liguistics

Keynes - the End of the Labour Curse

"From the earliest times of which we have record-back, say, to two thousand years before Christ-down to the beginning of the eighteenth century, there was no very great change in the standard of life of the average man living in the civilised centres of the earth. Ups and downs certainly. Visitations of plague, famine, and war. Golden intervals. But no progressive, violent change. Some periods perhaps So per cent better than others at the utmost 1 00 per cent better-in the four thousand years which ended (say) in A. D. 1700.

All this means in the long run that mankind is solving its economic problem.

I look forward, therefore, in days not so very remote, to the greatest change which has ever occurred in the material environment of life for human beings in the aggregate

... cultivate into a fuller perfection, the art of life itself and do not sell themselves for the means of life.

For many ages to come the old Adam will be so strong in us that everybody... Three-hour shifts or a fifteen-hour week may put off the problem for a great while. For three hours a day is quite enough to satisfy the old Adam in most of us!

Growth of Riches of the Spirit (?)

- Morals measure of goodness?
 - Growth of Body 🡍
 - Growth of Soul
 - Growth of Spirit **?**
- Chamurapy code (1750 BC, "to prevent the strong from oppressing the weak","eye for an eye") to Old testament to Universal Declaration of human rights (1948)
- Spirit of Europe
 - Make love not war - > make trade not war
 - Love your enemies (Germany was a founding country)
 - Love your opposition (Job, Christ) - > release the spi others
 - Christianity has the most absurd goodness
- **Moral exoskeleton** is better : pension system, general healthcare, mandatory schooling)
 - Freedom of religion, freedom of information, freedom of travel, political freedom, freedom of speech,
 - Spiritualization of money
 - From gold to paper, from paper (matter) to 0-1 magnetic symbols

cal world: trickster, divine fool,

syptians believed in "ka," a life force that leaves the body upon death. Chinese spoke of "qi" or "chi," the vital force that flows through living beings. Hebrew, Greek, Chinese, Kalavela. Enuma Elisi

Greek "anima mundi" or world soul, to individual "daimons" or guiding spirits. Spiritual leaders above muscle man.

Judaism: The Hebrew Bible refers to the "ruach" (meaning "breath" or "spirit") as the life force from God

Islam: The term "rooh" refers to the soul or spirit, seen as God's divine breath

Hinduism: The "atman" is the individual soul or spirit, while "Brahman" is the universal spirit or world soul

Buddhism: Rather than a fixed soul, there's the concept of "anatta" (no-self) which emphasizes impermanence and interconnectedness

Christianity: The Holy Spirit is one of the three persons of the Holy Trinity. Additionally, the New Testament often speaks of the human spirit as that which connects with God

German Idealism: Philosophers like Hegel spoke of the "Geist" (German for spirit/mind) evolving through history.

Aristoteles: metaphysics

Augustine, Aquinas : spirit is the most noble part of the soul.

Modern Interpretations:

Psychology: Carl Jung spoke of the 'collective unconscious' and saw certain recurring symbols and motifs (archetypes) as evidence of a shared spiritual heritage.

Quantum Physics: Some interpretations of quantum mechanics, though controversial, suggest that consciousness or spirit plays a role in shaping reality.

Economy: Keynes anima spirits

Jeremy Riffkin: Empathic Civilization

Fine-tuned Soul of the Universe

Physicist Paul Davies lists 13 constants and 12 derived quantities; cosmologist Martin Rees discusses six numbers, but as most of these are ratios of other numbers, his total comes to about a dozen.

Cosmologist and mathematician Roger Penrose once attempted to calculate the probability that chance allowed the initial state of the universe and its entropy to be exactly 'right' to allow it to still exist now. His answer was 1 chance in 10^10^123, a probability so small as to effectively be zero. To get a picture of this number, note that the number of baryons (protons & neutrons) in the universe is estimated to be about 10^80.

Lee Smolin says: ".... just how probable is it that a universe created by randomly choosing the parameters will contain stars. Given what we have already said, it is simple to estimate this probability. The answer, in round numbers, comes to about one chance in 10^229."

https://www.thesciencefaith.com/was-the-universe-designed-for-us/

P(accident) + P(purpose) = 100%

99999999999999999999999999999%

Rogger Penrose

Nobel Prize 2020

1 chance in 10^10^123



History [edit]

In 1920, Edward Kasner's nine-year-old nephew, Milton Sirotta, coined the term *googol*, which is 10^{100} , and then proposed the further term *googolplex* to be "one, followed by writing zeroes until you get tired".^[1] Kasner decided to adopt a more formal definition because "different people get tired at different times and it would never do to have Carnera [be] a better mathematician than Dr. Einstein, simply because he had more endurance and could write for longer".^[2] It thus became standardized to $10^{(10^{100})} = 10^{10^{100}}$, due to the right-associativity of exponentiation.^[3]

Size [edit]

A typical book can be printed with 10^6 zeros (around 400 pages with 50 lines per page and 50 zeros per line). Therefore, it requires 10^{94} such books to print all the zeros of a googolplex (that is, printing a googol zeros). If each book had a mass of 100 grams, all of them would have a total mass of 10^{93} kilograms. In comparison, Earth's mass is 5.972×10^{24} kilograms, the mass of the Milky Way galaxy is estimated at 2.5×10^{42} kilograms, and the total mass of all the stars in the observable universe is estimated at 2×10^{52} kg.^[4]

To put this in perspective, the mass of all such books required to write out a googolplex would be vastly greater than the masses of the Milky Way and the Andromeda galaxies combined (by a factor of roughly 2.0×10^{50}), and greater than the mass of the observable universe by a factor of roughly 7×10^{39} .

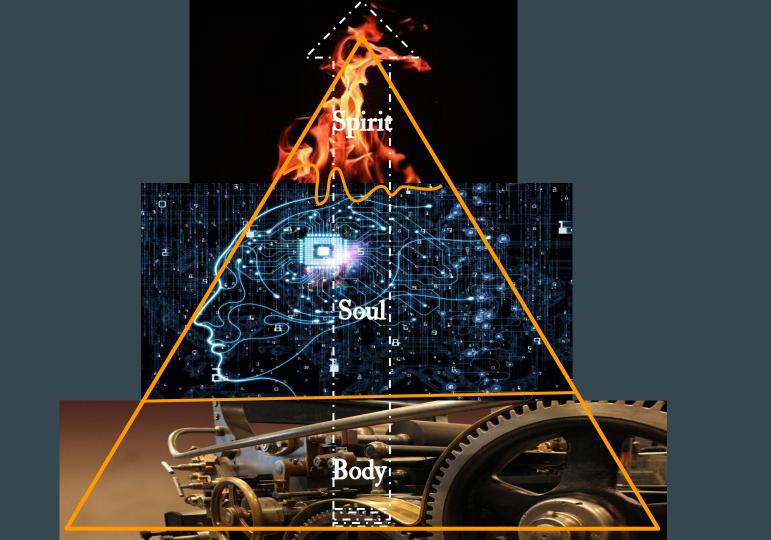
In pure mathematics [edit]

In pure mathematics, there are several notational methods for representing large numbers by which the magnitude of a googolplex could be represented, such as tetration, hyperoperation, Knuth's up-arrow notation, Steinhaus–Moser notation, or Conway chained arrow notation.

In the physical universe [edit]

In the PBS science program *Cosmos: A Personal Voyage*, Episode 9: "The Lives of the Stars", astronomer and television personality Carl Sagan estimated that writing a googolplex in full decimal form (i.e., "10,000,000,000...") would be physically impossible, since doing so would require more space than is available in the known universe. Sagan gave an example that if the entire volume of the observable universe is filled with fine dust particles roughly 1.5 micrometers in size (0.0015 millimeters), then the number of different combinations in which the particles could be arranged and numbered would be about one googolplex.^{[5][6]}

Writing the number would ultimately lead to the heat death of the universe: if a person can write two digits per second, then writing a googolplex would take about 1.58×10^{92} years, which is about 1.1×10^{82} times the accepted age of the universe, and each digit written would result in an increase of entropy by the second law of thermodynamics.^[7][*failed verification*]













Spiritual values: the name of the new game

 Like other areas of The world, Insurance sector is becoming more and more involved in planetary ethical isues.

- From Soul (software) to Spirit (purpose): "shift away from a transactional role to adopt a broader, more holistic, relationship-based approach to consumer interactions." Deloitte
- "Carriers may need to exhibit not only how they are embracing cutting-edge technology, but the benefits of building a career in an industry whose purpose is not only profitability, but also to make a positive impact on society, helping the world thrive by standing behind..."

Figure 1

Insurers need to evolve to better serve industry, society, and the planet

Improve the bottom line by decreasing the frequency and severity of insured events and thereby lower loss ratios

Enhance brand reputation by enlightening consumers and communities that support is year-round, rather than only at the point of sale, renewal, or when a claim is filed

Upgrade the insurance value proposition by placing standard risk-transfer policies at the center of much broader, more holistic risk mitigation programs

Create access and inclusion for all underrepresented and unprotected segments

Build trust and confidence of consumers by being more transparent, responsible, and involved in societal and environmental issues

Source: Deloitte analysis.

Deloitte. deloitte.com/us/en/insights/research-centers/center-for-financial-services.html

"With company culture as the center of gravity, providing a unique employee experience must focus on career development, purpose, flexibility, well-being, social, and environmental goals. The importance of human interaction has increased post pandemic, and we aim to harness smart working in a hybrid setup, enabled through team agreements that support individual and team needs. Going forward, how we leverage the technology advancements to innovate and further elevate the experiences and outcomes for our people and customers will be the key." —Taeko Kawano, chief human resources officer, AXA Holdings Japan Insurance, during an interview with Deloitte Center for Financial Services conducted on August 3, 2023.



Freedom:

Needs advanced soul (Capitalism and large democracy).. Soul needs advanced Body.

democracies

Goodness

Mediation

Non-institutionalized relationship

No work, only pleasurable work

Conscience of self in context of outer parts of me (exoskeleton)

Art

Silence

Franz Kafka: Touha stati se Indiánem

Kdyby tak člověk byl Indiánem, vždy pohotový, a předkloněn ve vzduchu na pádícím koni, stále znovu by se zachvíval krátkými otřesy země, až by nechal ostruhy ostruhami, neboť ostruh nebylo, až by odhodil uzdu, neboť uzdy nebylo, a sotva před sebou spatřil zemi jak hladce vysečenou step, už i bez koňské šíje a hlavy.



Děkuji Vám za zdraví A Duchu za tah a směr

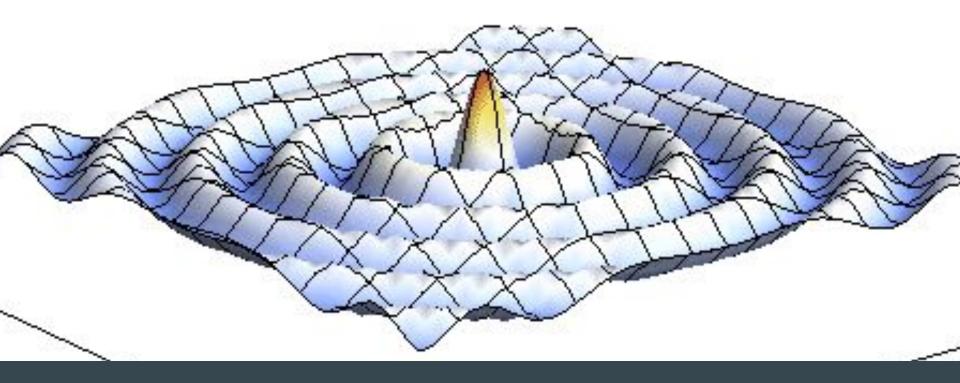
A METAMORPHOSU NAŠEHO TĚLA

PhDr. Tomas Sedlacek, PhD., CzechMate, YouTube, Books, LinkedIn

Expand

- Planetization - Cosmopolitanism -Larger interconnected body, same soul but free roaming of the Spirit (over larger and larger firm enough body-soul territory)

Expansion of body and soul



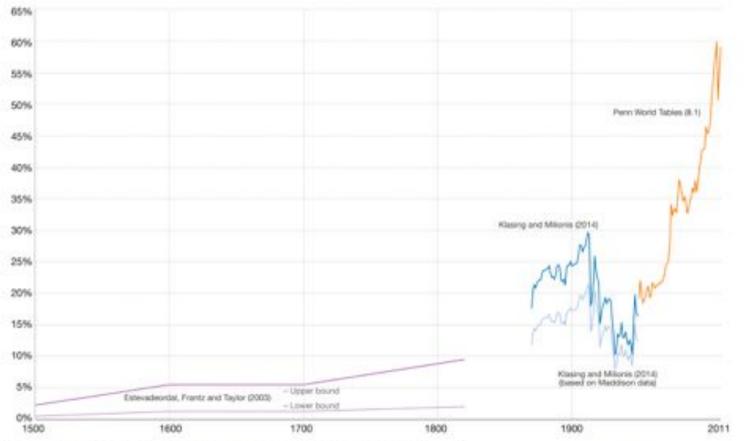
The Extension of Soul: Economy of Scale

• The world expands

- Capitalism & Democracy (Fukuyama was right), European Union: soul unification
- Our ability to coordinate (cooperation is conditio sine qua non of competition) extended (from village to planetary neural network)
- $\circ \quad \text{Universe itself expands}$
- \circ ~ Just like when you were a child: the world grew bigger and bigger
- Adam Smith: The Wealth of Nations consists in: Specialization within the same larger than me system/animal. (same soul, different spirits)

Globalization over 5 centuries (1500-2011)

Shown is the sum of world exports and imports as a share of world GDP (%) The individual series are labeled with the source of the data



Data sources: Klassing and Millonis (2014), Estavadeordial, Prantiz and Taylor (2003) and the Pern World Tables Version 8.1. The interactive data visualization is available at OurWorldinData.org. There you find the new data and more visualizations on this topic.

Licensed under CC-BY-SA by the author Max Rosen



- Type 0.1: Fluid groups of hominids living in Africa. Technology consists of primitive stone tools. Intra-group conflicts are resolved through dominance hierarchy, and between-group violence is common.
- Type 0.2: Bands of roaming hunter-gatherers that form kinship groups, with a mostly horizontal political system and egalitarian economy.
- Type 0.3: Tribes of individuals linked through kinship but with a more settled and agrarian lifestyle. The beginnings of a political hierarchy and a primitive economic division of labor.
- Type 0.4: Chiefdoms consisting of a coalition of tribes into a single hierarchical political unit with a dominant leader at the top, and with the beginnings of significant economic inequalities and a division of labor in which lower-class members produce food and other products consumed by non-producing upper-class members.
- Type 0.5: The state as a political coalition with jurisdiction over a well-defined geographical territory and its corresponding inhabitants, with a mercantile economy that seeks a favorable balance of trade in a win-lose game against other state. Type 0.6: Empires extend their control over peoples who are not culturally, ethnically or geographically within their normal jurisdiction, with a goal of economic dominance over rival empires.
- Type 0.7: Democracies that divide power over several institutions, which are run by elected officials voted for by some citizens. The beginnings of a market economy.
- Type 0.8: Liberal democracies that give the vote to all citizens. Markets that begin to embrace a nonzero, win-win economic game through free trade with other states.
- Type 0.9: Democratic capitalism, the blending of liberal democracy and free markets, now spreading across the globe through democratic movements in developing nations and broad trading blocs such as the European Union.
- Type 1.0: Globalism that includes worldwide wireless Internet access, with all knowledge digitized and available to everyone. A completely global economy with free markets in which anyone can trade with anyone else without interference from states or governments. A planet where all states are democracies in which everyone has the franchise.

According to data from the IEA (International Energy Agency), in 2018 the total energy supply of the entire world was 1,4281,889 kTOE (energy kilo ton oil equivalent), or approximately 1.90 × 10!W. From this actual human civilization power production estimate a to be 0.728.

Currency of the future: from body to soul



currencies to the US Dollar. In turn, the US government held and guaranteed to exchange 35 US Dollars for an ounce gold

internatio

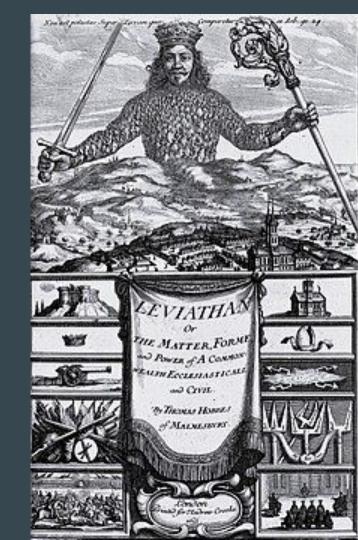
By 1973 the rate was again changed to 42 US Dollars to the ounce. From then on, the US Dollar and all other currencies were valued against other currencies alone. The international currency market then became a truly fiat system without any vestige of a gold standard.31.1034768 grams

al monetary agreement was made to fix

Fiat money, Nixon

King's Second Body

- From civilization 0,1
 - Small units of people: tribes, villages, agriculture, fire, basic tools
- Civilization 0,5
 - \circ $\,$ Adam Smith, specialization $\,$
 - Technological revolution
 - Spirit of Capitalism
- To civilization 0,73
 - Supranational entities (EU)
 - Planetary institutions, planetary neural network (internet)

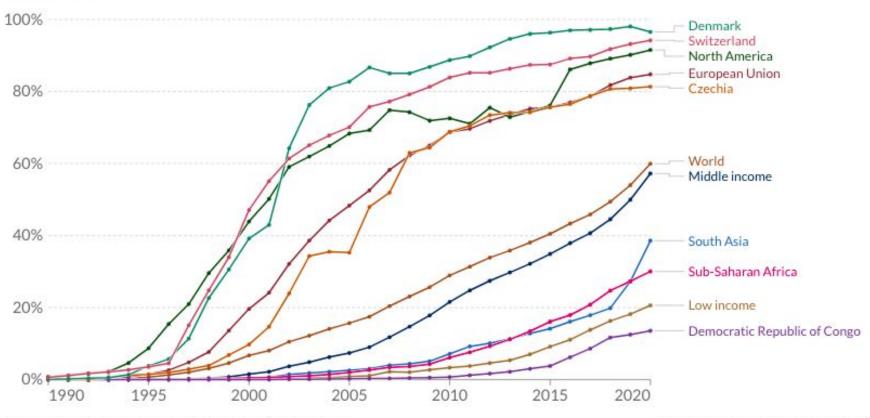


Share of the population using the Internet

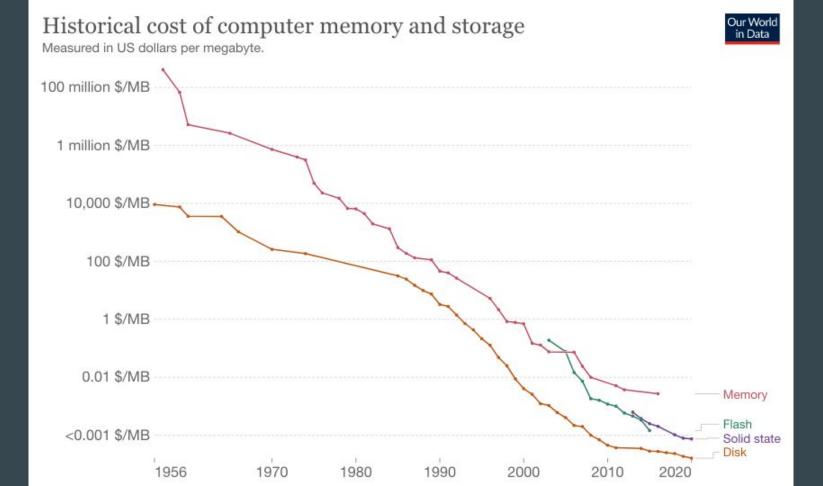
Internet users are those who have used the Internet from any location in the last three months.



Add country

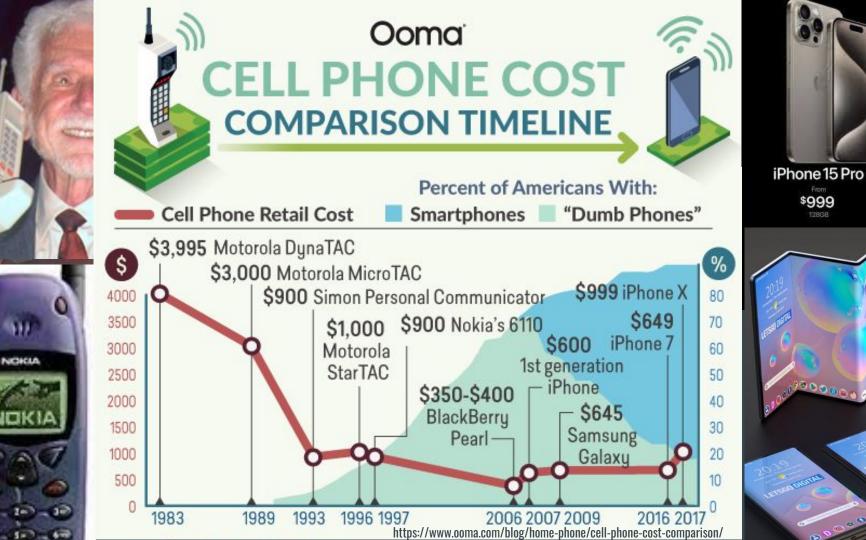


Source: International Telecommunication Union (via World Bank)



Source: John C. McCallum (2022) Note: For each year the time series shows the cheapest historical price recorded until that year.

OurWorldInData.org/technological-change • CC BY



CAN GO INTO SECOND PART:

Master - Slave (Spirit - Soul). KINGS SECOND BODY. Leviathan

Subject-Object reversal (when soul outgrows the spirit)

- Kundera, Kafka, Golem, Matrix, Being John Malkwitch, Ring of Power in LOTR (it frees you, it enslaves you)
- Genesis (God creates human beings, something goes wrong, Creation kills Creator)
- The debt economy: we take more debt upon the economy so that we can be even more free, something goes wrong, we bacame slaves of the debt.
- Capitalism? Nuclear power? Ecology? Civilizational filter.
- Sin: you do it because you are in control and want to be even more in control, then something goes wrong... And you become the slave of sin (ofeilon)
- AI.



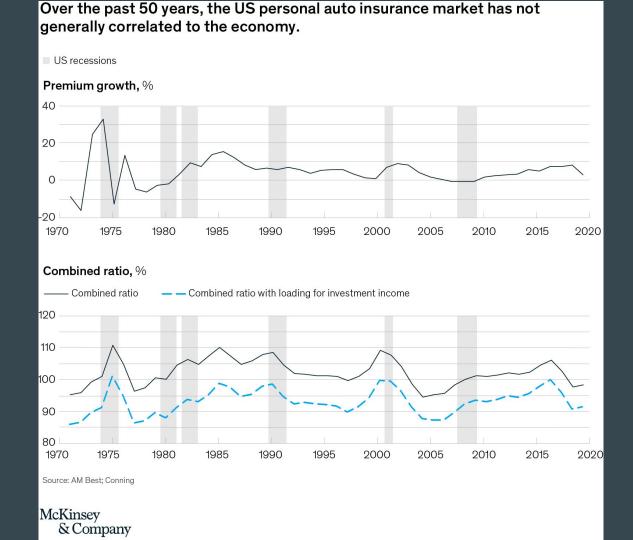
Banking of the future: Digital Buttler

Withering of the state. Up (into supranational planetary institutions) and Down (localized democratic decisions).

Merger with general multipurpose A.I. Bank as a family doctor, Saturnin, a "personal civil servant" dealing with complete bureaucracy (taxes, procurement, advice on education, wellness etc.)

Banks take care of all the boring parts of life. Same soul (software, institutions, laws, bureaucracy, language, symbols...) allowing freely following the spirit by individuals (creativity, democracy, free enterprise)..

Sectoral planetary fiscal policy. Banks having their own reserve fund. Business cycles rather follow sectors than states. Interconnected world (political state borders irrelevant). Better tackling of crises. Bank identity - substitution of government bureaucracy



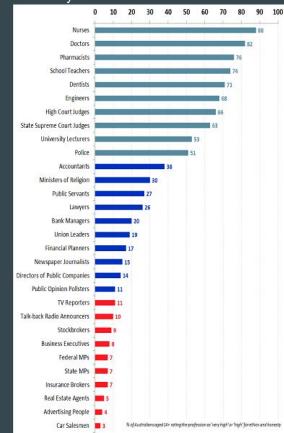
Trust

Banking crises 2009: You can fall once, but not twice.

Not only regain the old

Hope: Cryptocurrencies did not replace banks, even though it was their original intention.

Image of Professions 2021: % of Australians aged 14+ rating the profession as 'very high' or 'high' for ethics and honesty

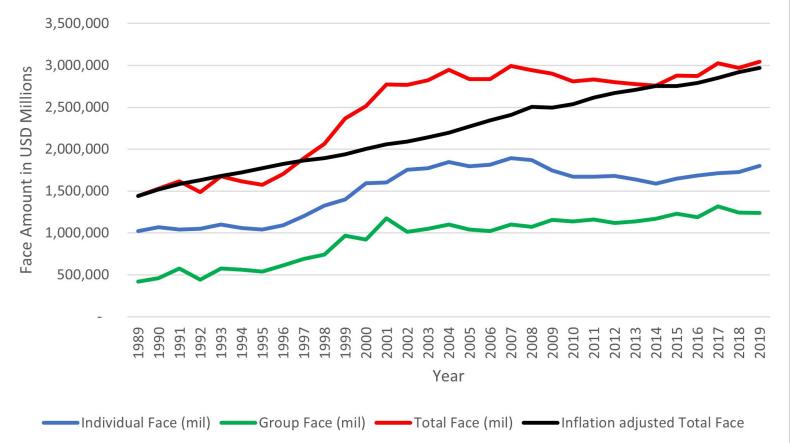


Source: These are the main finding sof a Roy Morgan online survey conducted from April 13-22, 2021, with 1,207 Australian men and women aged 14 and over.

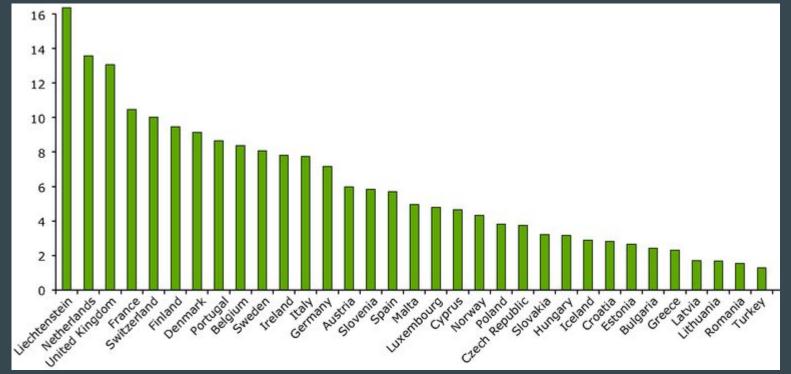
Pespondents were aaked: "As i say officent occupations could you please say - from what you know or have heard - which raiting best describes how you, jourself, would are or score people in variou soccupations for honest y and ethical standards (Ver) High, High, Average, Low, Very Low?"

Source:https://www.internationalinsurance.org/insights-has-life-insurance-really-changed-past-30-years

US New Life Insurance Sales by Year (USD Millions)



Insurance penetration as proportion of GDP



https://www.eea.europa.eu/data-and-maps/figures/insurance-penetration-as-proportion-of-gdp

IT's share of total operating costs has increased by 12 to 24 percent over the past five years.

%

Product development, marketing, and sales support	19	20	26	25
Operations	44	39	21	20
		20	27	26
Other support functions	20	20	26 +	-12% 29
т	17 +2	24% 21	20	-12.70
Value chain elements	P&C insurance 2012	P&C insurance 2017	Life insurance 2012	Life insurance 2017

Average operating-cost breakdown

McKinsey&Company | Source: McKinsey Insurance 360

Insurance of the future

Insurance is private communitarianism, commercial socialism, voluntary sharing of risks with a community of insured entities.

Dematerializing Insurance: body –) soul –) spirit

Private insurance companies substitute government insurance on

- Planetary level. Economies of scale. Better efficiency. New (global) democratic control mechanisms.
- Health insurance common good, moral good.
 Bodily good / Bodily capital. End of hunger by cca 2036.
- Basic education common good, moral good, intellectual good.
- Crypto insurance & backup. Crypto wars. Banks will have access to safeguarding our digital presence
- Insured businesses:

Keynes: ethics will become cheap

Riffkin: emphatic civilization. Civilization type 1: global empathy. End of the Trickster period. Humanity will become conscious of its identity (now at the level of State (no more cities /tribes) or EU.

Finishing Civilization 1 Moral Exoskeleton: From family - tribe - kingdom - state - supranational states (EU) - civilizational (East vs West) planetary.

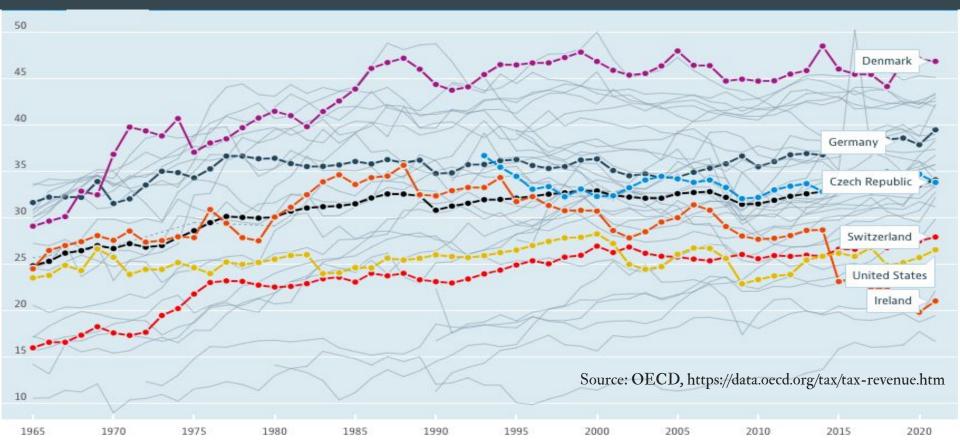
Joseph Schumpeter: Can Capitalism Survive? Yes in a socialistic compromise: commonly owned shares.

sustainability ambassador

megaThreads:

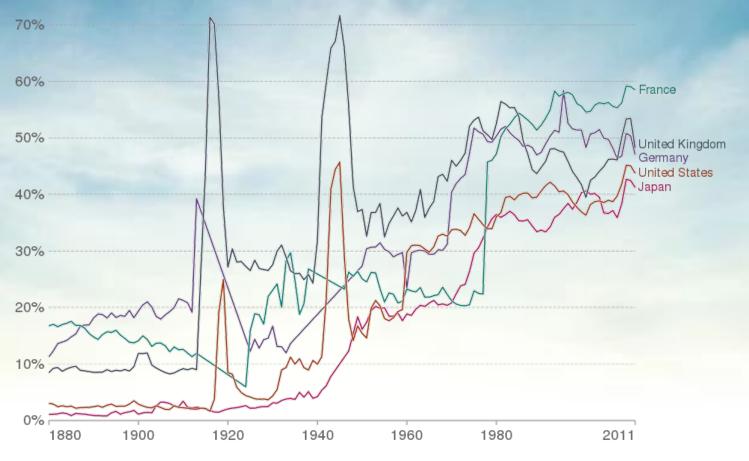
- World War III
- Planetary: Global Warming (enlarge risk models to include risks to whole society, not just to company). Sustainability ambassador.
 Purpose-driven investment (not just profit driven)
- NonTangible: CyberCrime
- concern over vast uninsured and underinsured populations
- help consumers across all segments prevent or mitigate risks before they occur, rather than merely paying to rebuild and recover after the fact (Deloitte)

Tax wedge: A 1/3 compromise? 34% centralised, 66% individual



Government spending, 1880 to 2011

Total government spending, including interest government expenditures, as share of national GDP



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Our World in Data

Source: IMF Fiscal Affairs Departmental Data, based on Mauro et al. (2015)