

Aika ja ajattelumme

*Esko Valtaoja
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AIKAPERSEKTIIVI



Tulevaisuuden työelämätaidot 2020



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11.2. 2016 Tredu, Tampere
Essi Ryymin, HAMK AOKK



HAMK
HÄMEEN AMMATTIKORKEAKOULU
HAMK UNIVERSITY OF APPLIED SCIENCES







TANAAN
18 Urheilu

**Kuninkaan
LOISTAVA
PALUU**

**Susanna Sieviselle
oma
tv-ohjelma**

Erikoissivut Suomen voitosta

ILTA-SANOMAT

MAANANTAI 4. 9. 2006 HINTA 3 €

Nenä murtui, hampaat sisään

**ORAVA TELOI
OOPPERA-
TÄHDEN
tajuttomaksi**

**ENSI-ILTA
VAARASSA**

**AVOAIMO NÄKI
MIEHENSÄ
KUOLONSYÖKSYN**

**Anitra
SEKSIKÄÄSTI
VIHILLE**

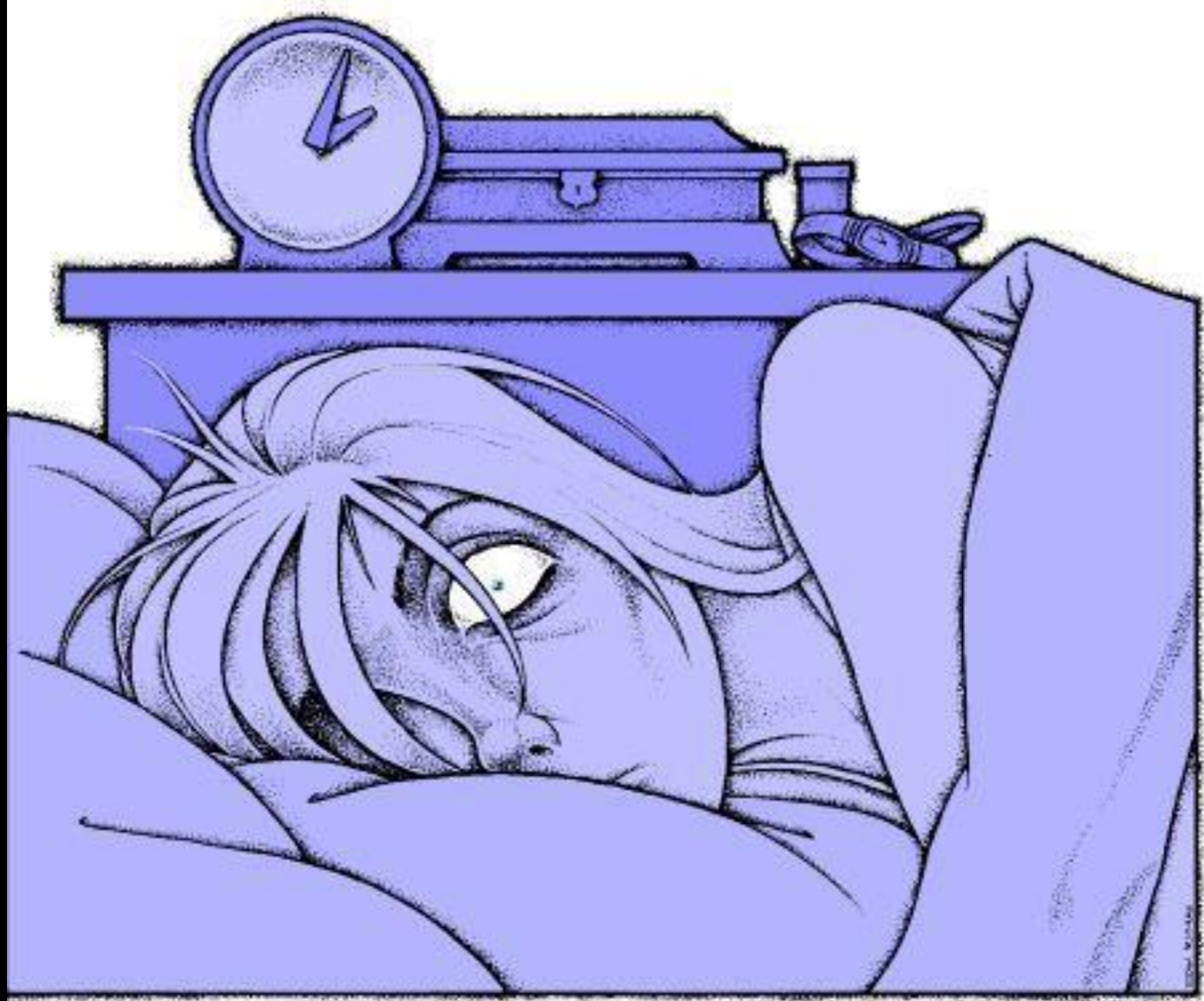
**OUTOKUMMUN JOHTAJAT
SAAVAT JÄTTIOPTIOT**













Philip Tetlock

27 451 ennustetta, 284 asiantuntijaa:

**SUPER-
ENNUSTAJAT**
ENNUSTAMISEN TAITO JA TIEDE



PHILIP E. TETLOCK
JA
DAN GARDNER

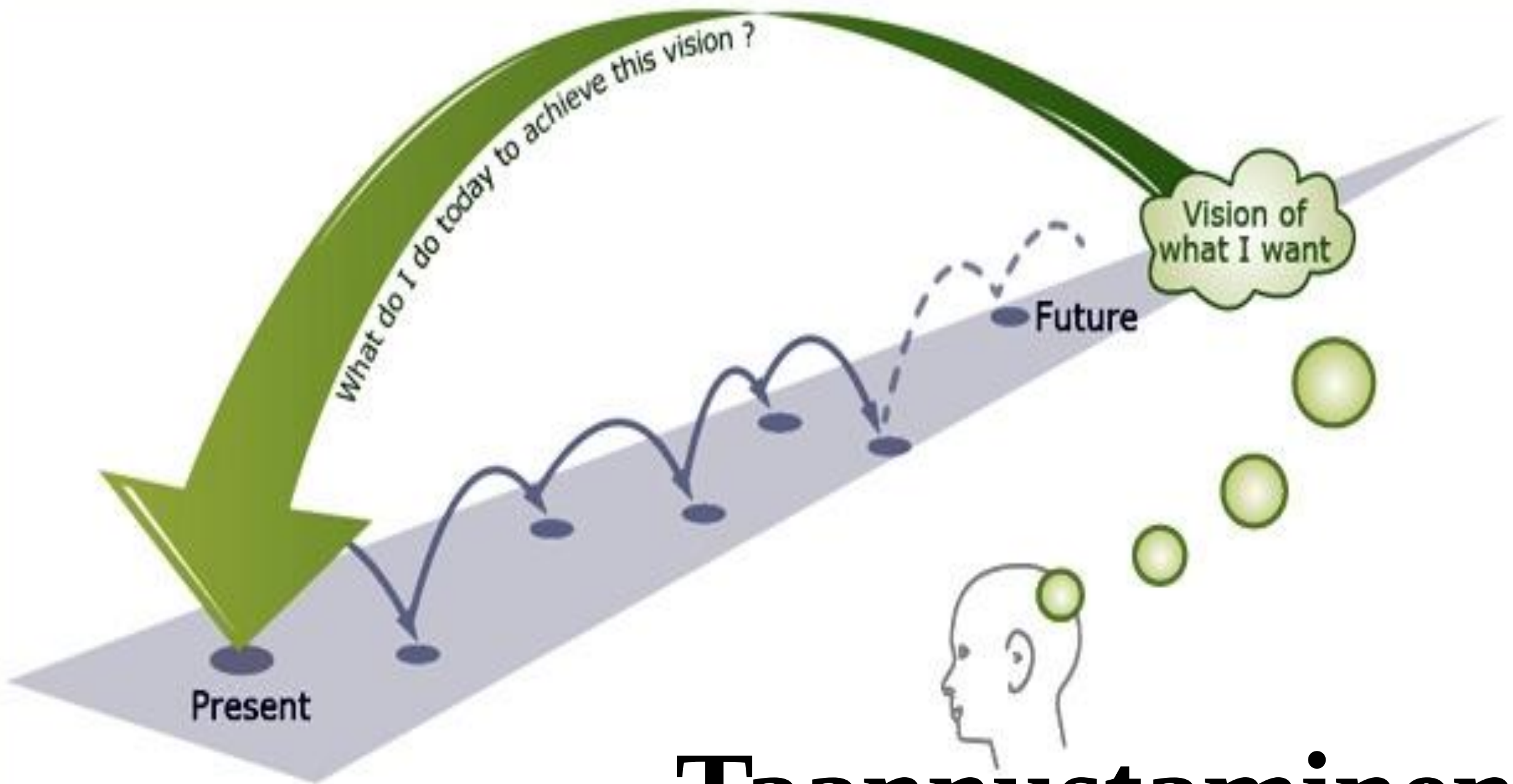
Suomentanut
KIMMO PIETILÄINEN

What's
Wrong
with Expert
Predictions

DAN GARDNER & PHILIP TETLOCK | ROBIN HANSON | JOHN COCHRANE | BRUCE BUENO DE MESQUITA



Ennustaminen



Taannustaminen

Tulevaisuuden työelämätaidot 2200



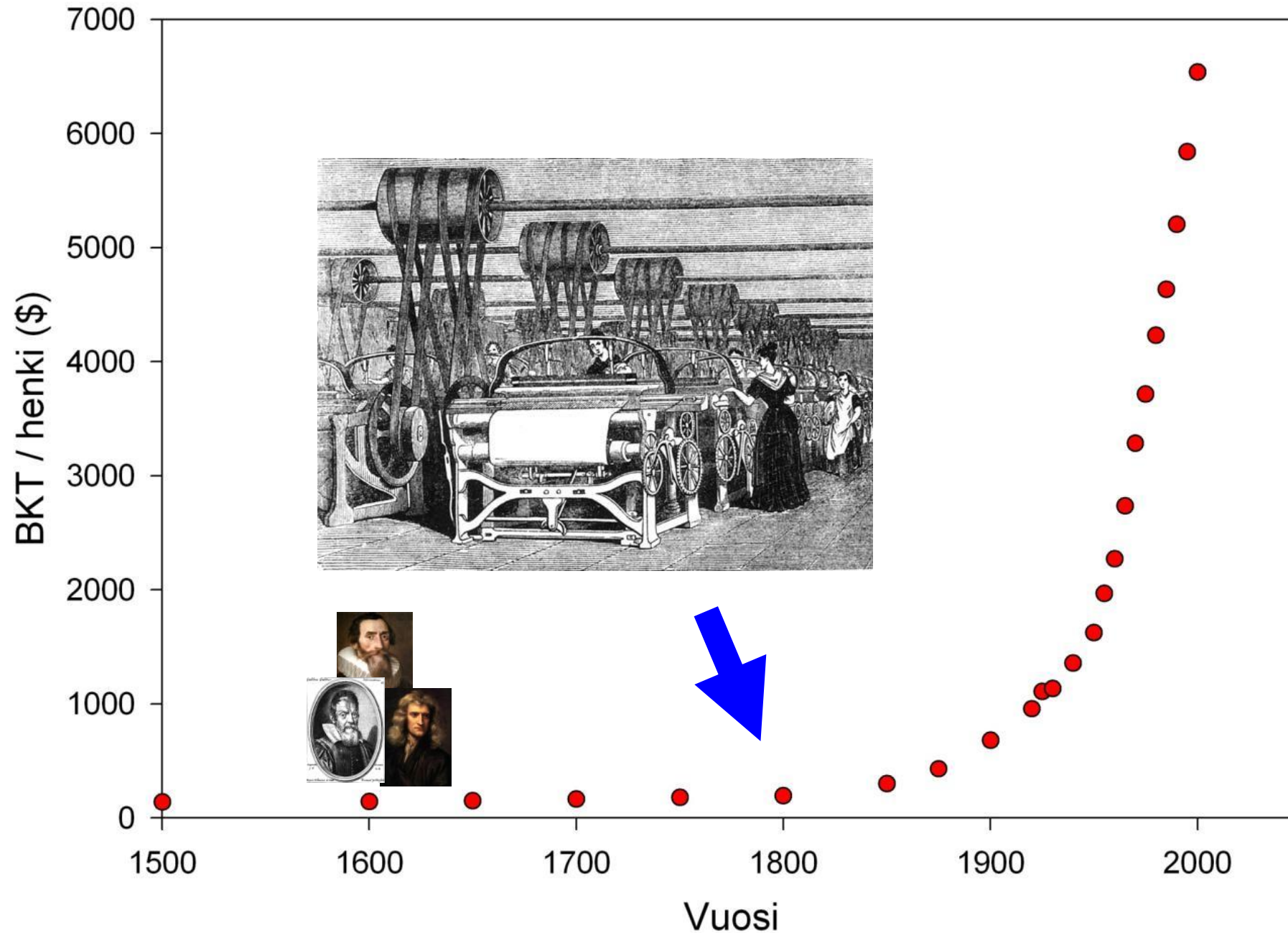
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11.2. 2016 Tredu, Tampere
Essi Ryymin, HAMK AOKK



Angus Maddison: *The World Economy: a Millennial Perspective*



W

-1

+1



-1

Absolute number of people living in absolute poverty (1820-2011) globally – By Max Roser

Our World
in Data

The absolute poverty is defined as living with less than \$1.25/day. This is measured by adjusting for price changes over time and for price differences between countries (purchasing power parity (PPP) adjustment). Estimates post 1981 are based on World Bank data. Earlier data are based on Bourguignon and Morrison (2002).



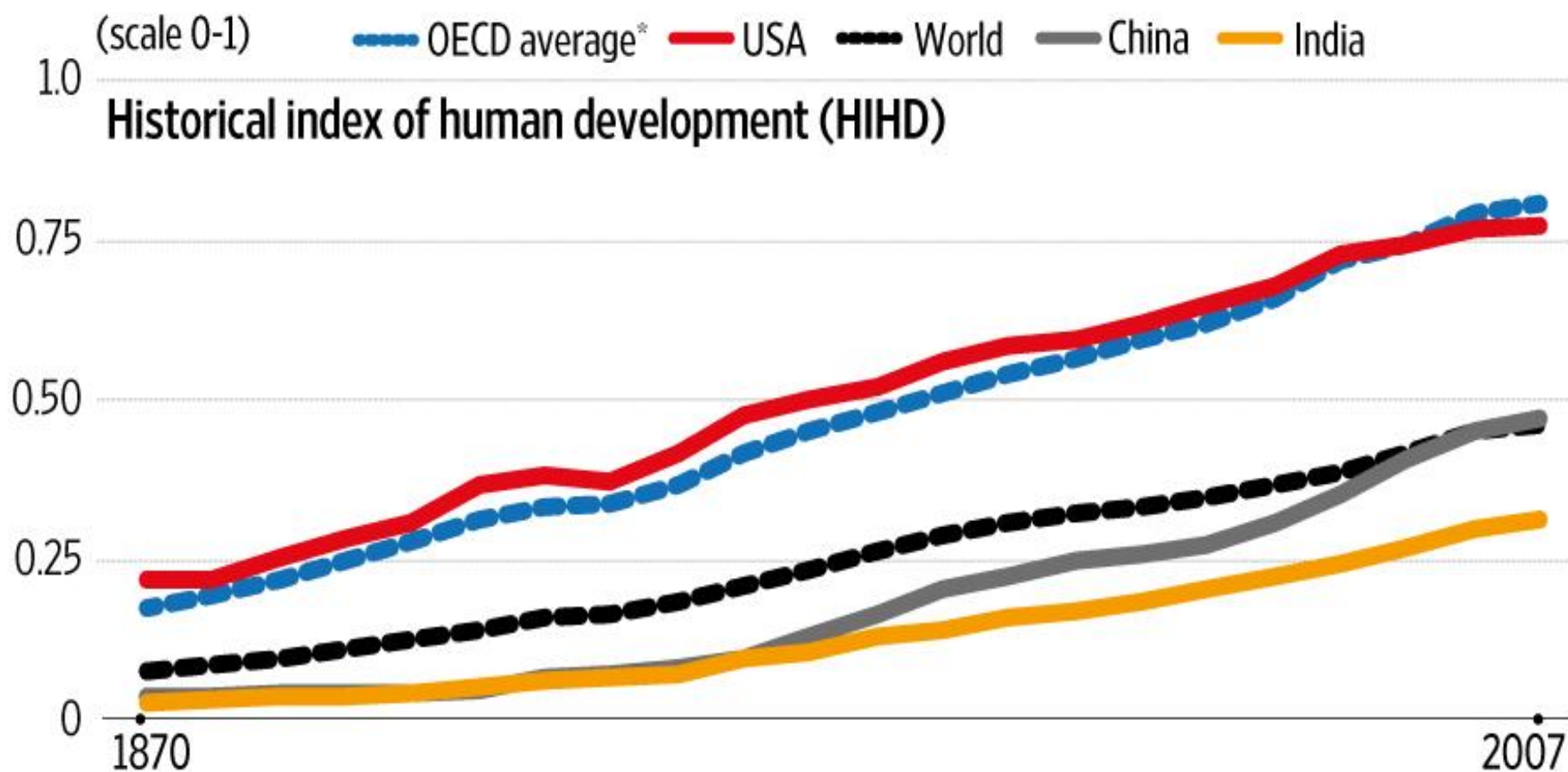
ABSOLUUTTISESSA KÖYHYDESSÄ

Data source for poverty: Bourguignon and Morrison (2002) until 1970 and World Bank data from 1981. Data source for population: OurWorldInData.org

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-SA by the author Max Roser.

CHART 1: WORLD WITNESSED SUBSTANTIAL IMPROVEMENT IN HUMAN DEVELOPMENT SINCE THE MID-19TH CENTURY

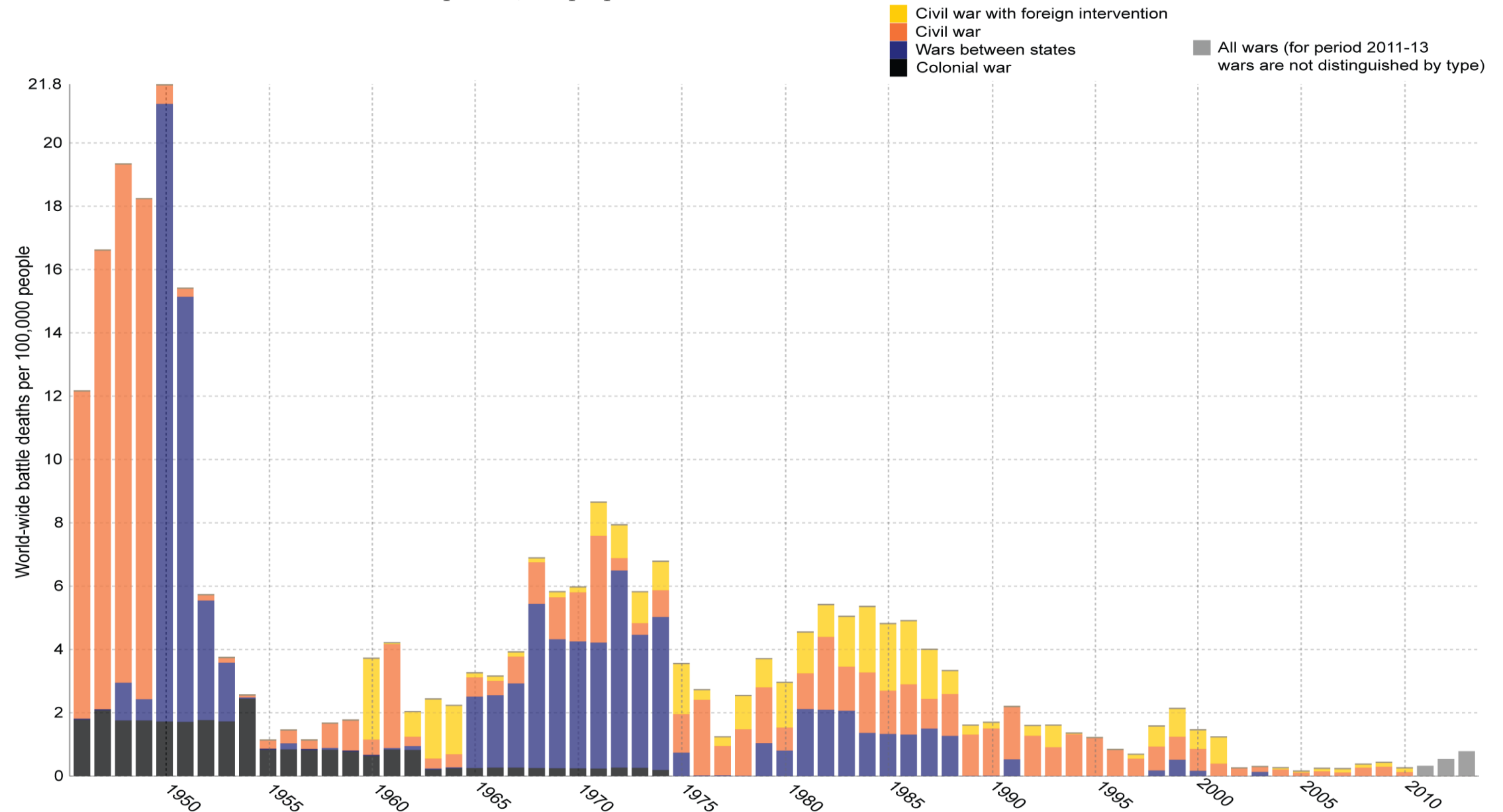


*OECD: Organisation for Economic Co-operation and Development – generally corresponds to the set of relatively richer countries in the world (e.g. Norway, Sweden, USA, Canada, UK, etc)

Source: Leandro Prados de la Escosura, "World Human Development, 1870-2007", Review of Income and Wealth Series 61, Number 2, pp. 220-247 (June 2015) DOI: 10.1111/roiw.121

Battle death rate in state based conflicts by type (1946-2013) – by Max Roser

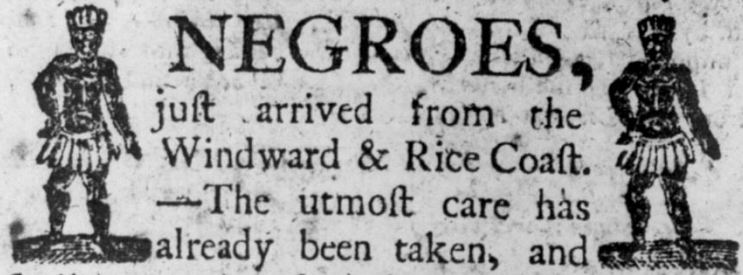
Annual world-wide battle deaths per 100,000 people



Data source: PRIO Battle Deaths Dataset (1946-2007) and data provided by Steven Pinker for 2009 and later (based on UCDP and PRIO).

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](https://creativecommons.org/licenses/by-sa/4.0/) by the author Max Roser.

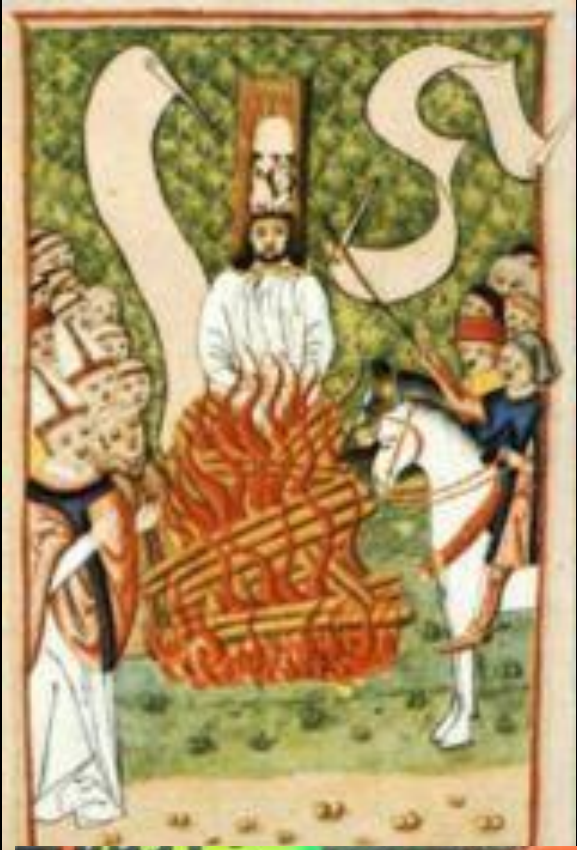
TO BE SOLD, on board the
Ship *Bance Island*, on tuesday the 6th
of *May* next, at *Ashley-Ferry*; a choice
cargo of about 250 fine healthy



NEGROES,
just arrived from the
Windward & Rice Coast.
—The utmost care has
already been taken, and
shall be continued, to keep them free from
the least danger of being infected with the
SMALL-POX, no boat having been on
board, and all other communication with
people from *Charles-Town* prevented.

Austin, Laurens, & Appleby.

N. B. Full one Half of the above Negroes have had the
SMALL-POX in their own Country.

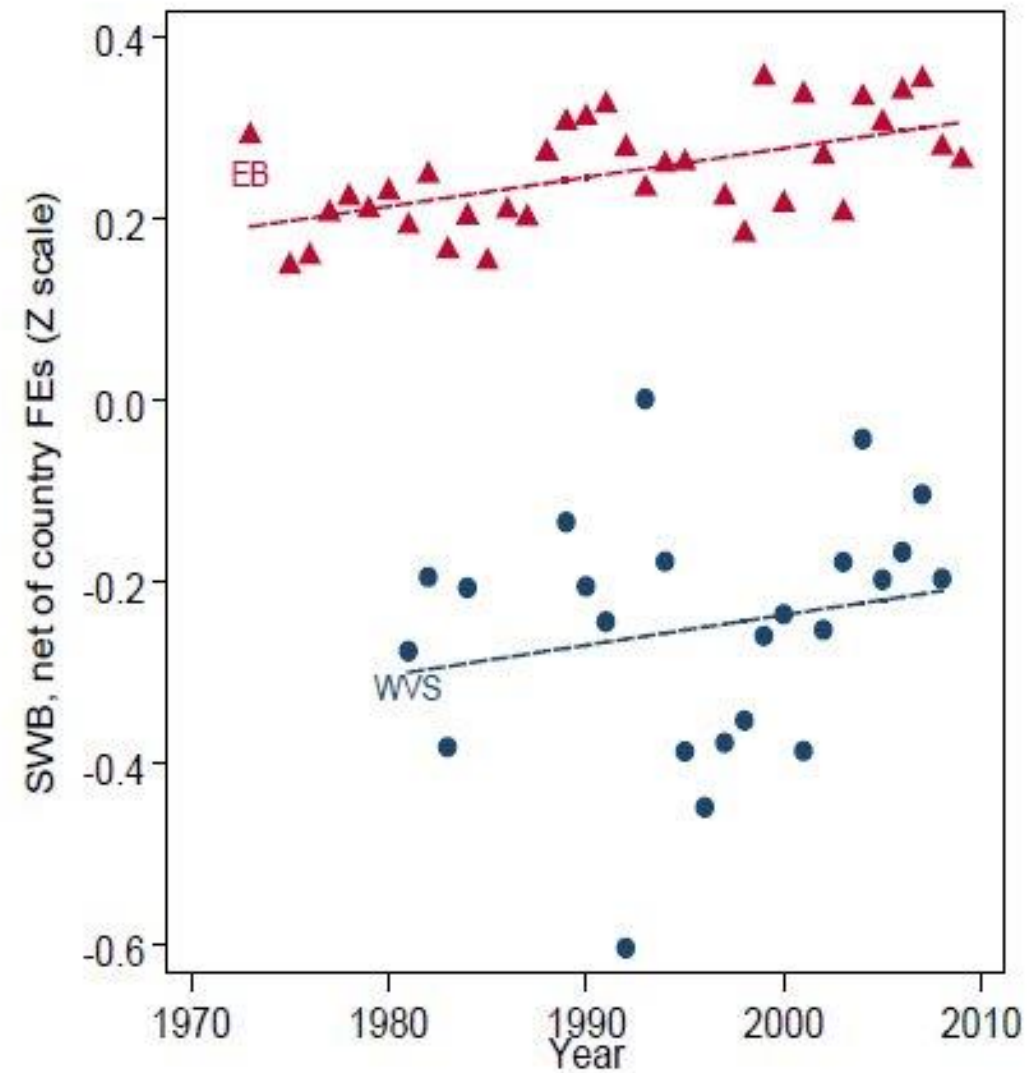


WORLD HAPPINESS REPORT

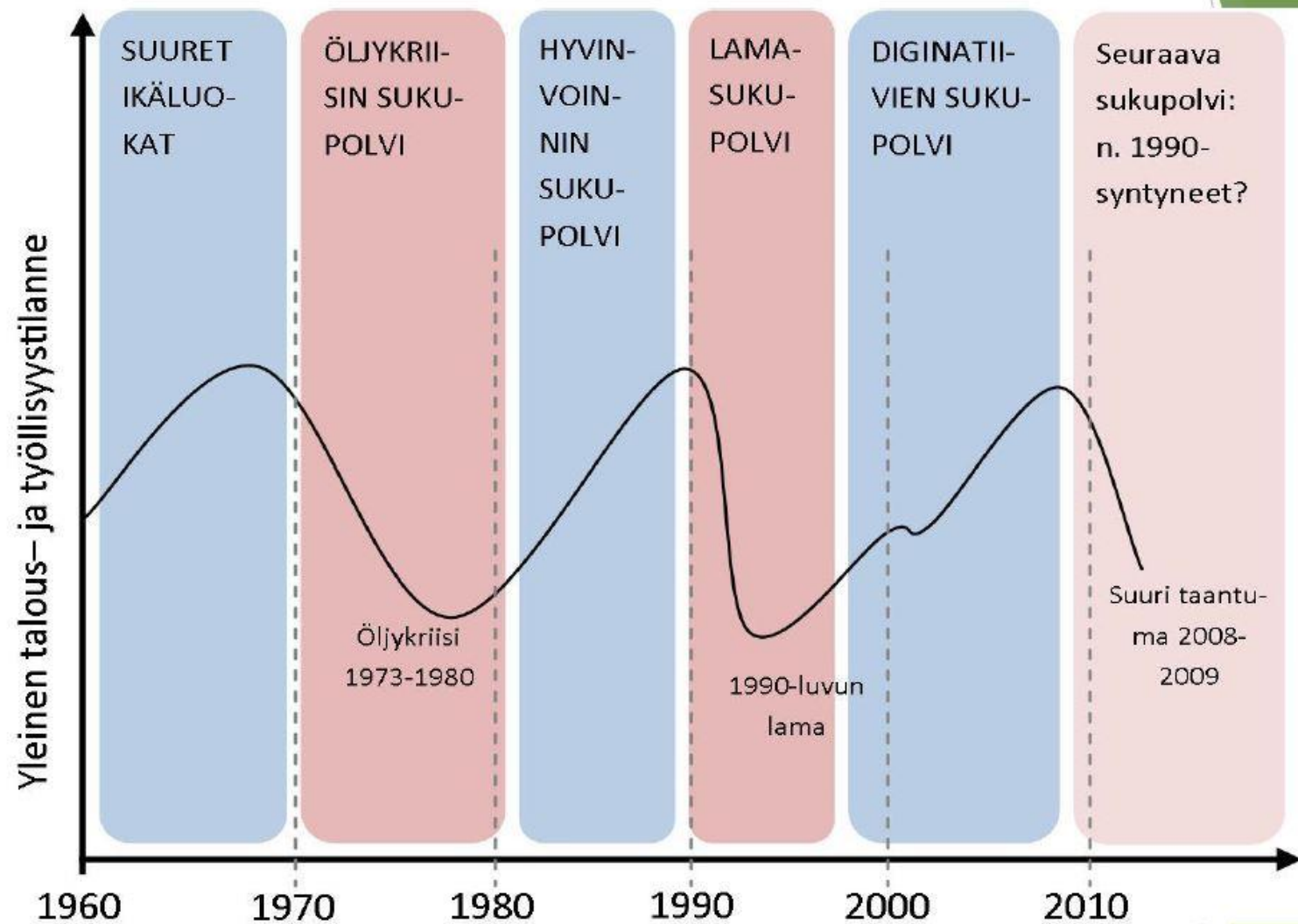
Edited by John Helliwell, Richard Layard and Jeffrey Sachs



Figure 3.4 Average subjective well-being in countries covered by Eurobarometer (EB) and World Values Survey (WVS)

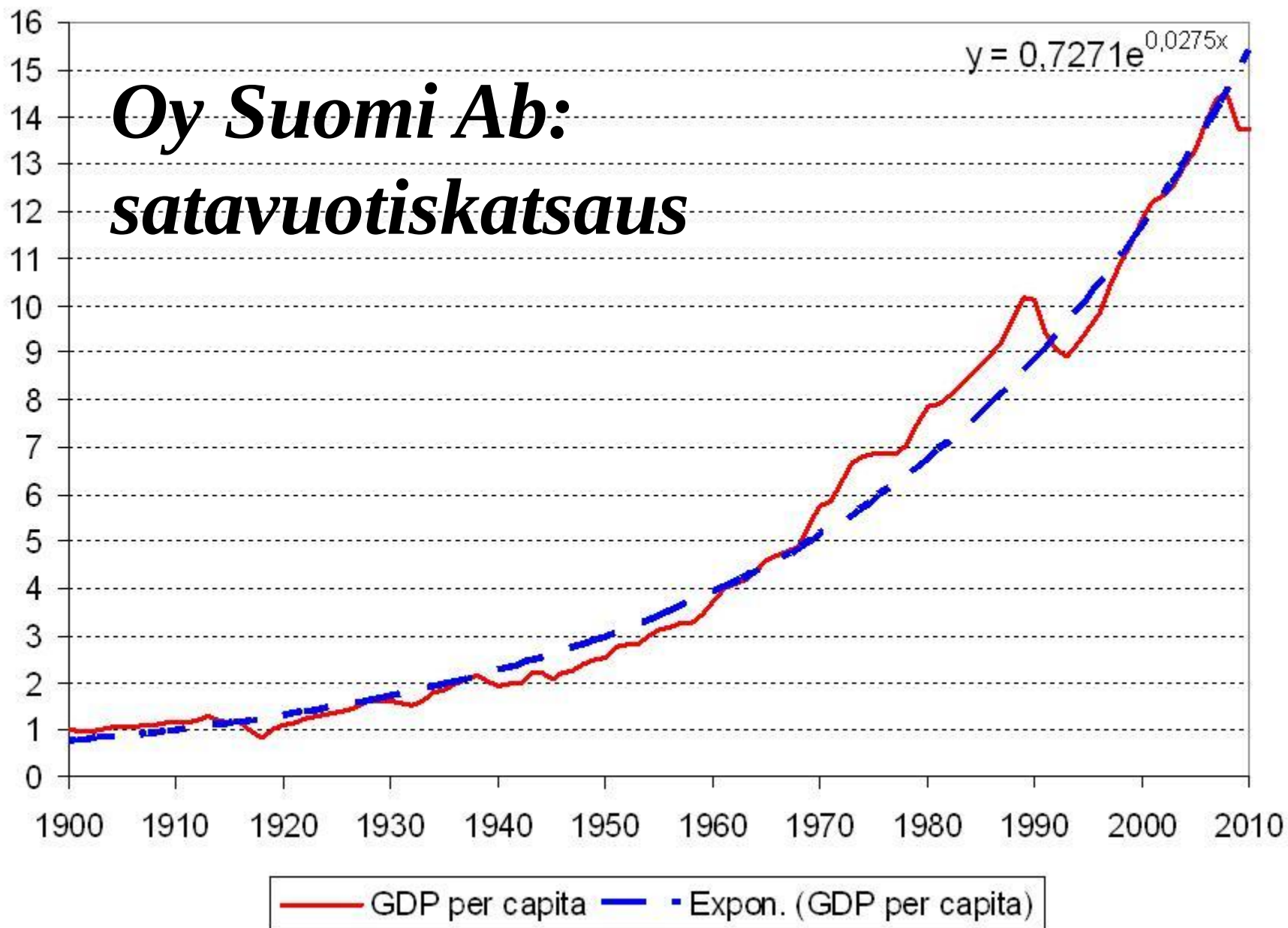


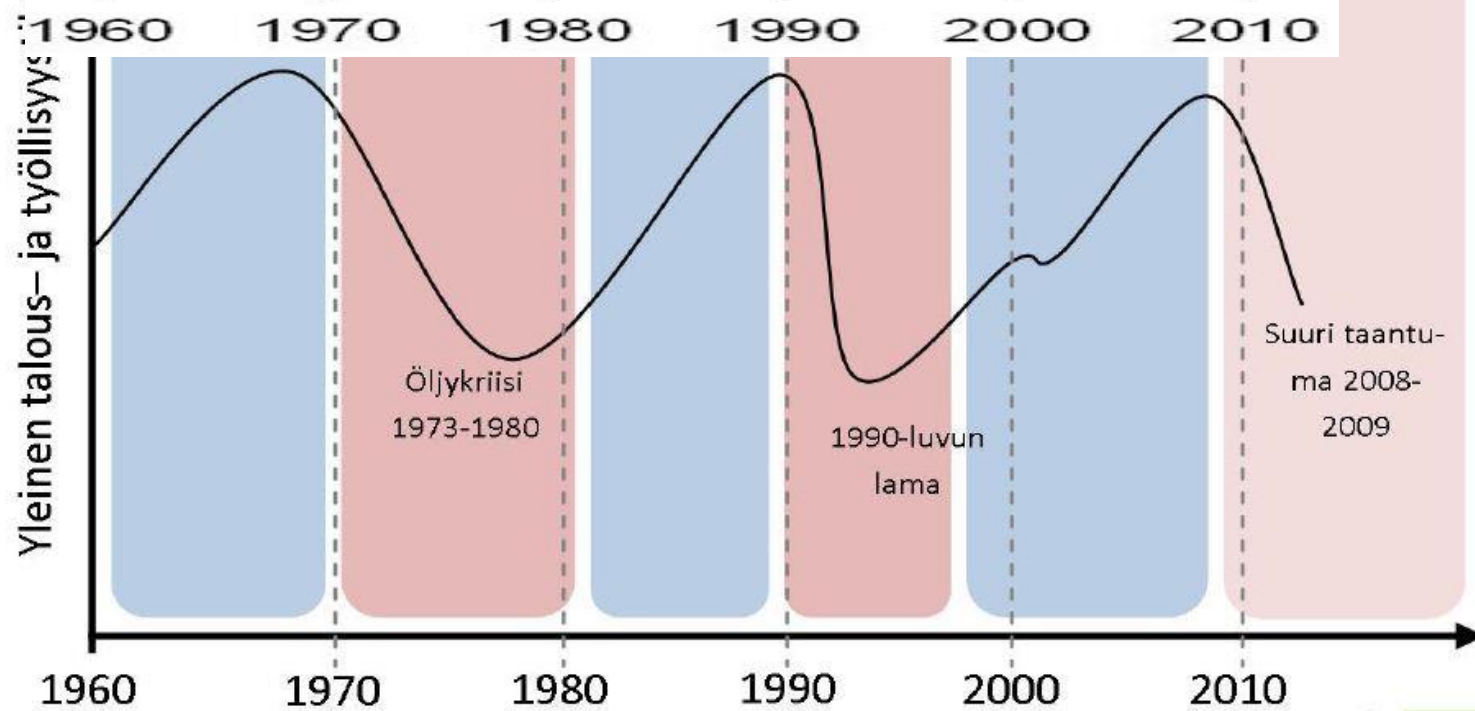
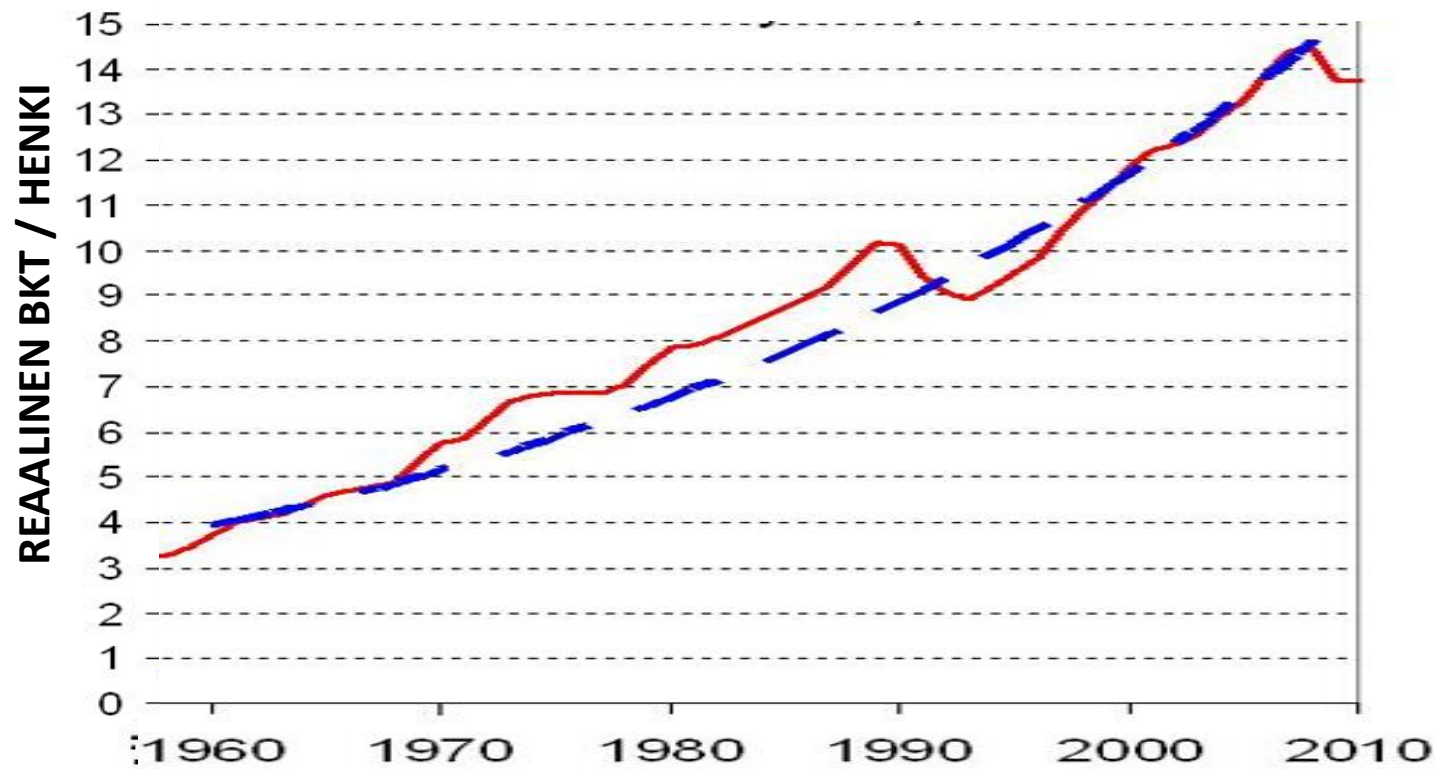
TYÖELÄMÄN SUKUPOLVIAALLOT



Työelämän sukupolvien aikuistuminen yleisen talous- ja työllisyystilanteen synnyttämissä aalloissa.

Oy Suomi Ab: satavuotiskatsaus





ava
olvi:
00-
neet?



CRISPR gene-editing tested in a person for the first time

The move by Chinese scientists could spark a biomedical duel between China and the United States.

David Cyranoski

15 November 2016



PDF



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GLOBAL ECONOMIC PROSPECTS | JANUARY 2017

TABLE 1 Real GDP Growth

	Annual estimates and forecasts ^a					
	2014	2015	2016e	2017f	2018f	2019f
World	2.7	2.7	2.3	2.7	2.9	2.9
Advanced Economies	1.9	2.1	1.6	1.8	1.8	1.7
United States	2.4	2.6	1.6	2.2	2.1	1.9
Euro Area	1.2	2.0	1.6	1.5	1.4	1.4
Japan	0.3	1.2	1.0	0.9	0.8	0.4
United Kingdom	3.1	2.2	2.0	1.2	1.3	1.3
Emerging Market and Developing Economies	4.3	3.5	3.4	4.2	4.6	4.7



A letter to our daughter



MARK ZUCKERBERG · TUESDAY, DECEMBER 1, 2015

Dear Max,

Your mother and I don't yet have the words to describe the hope you give us for the future. Your new life is full of promise, and we hope you will be happy and healthy so you can explore it fully. You've already given us a reason to reflect on the world we hope you live in.

Klaus Schwab

WORLD ECONOMIC FORUM

The Fourth Industrial Revolution

Klaus Schwab

Ensimmäinen teollinen vallankumous 1784:

vesi- ja höyryvoima, mekaaniset koneet

Toinen teollinen vallankumous 1870:

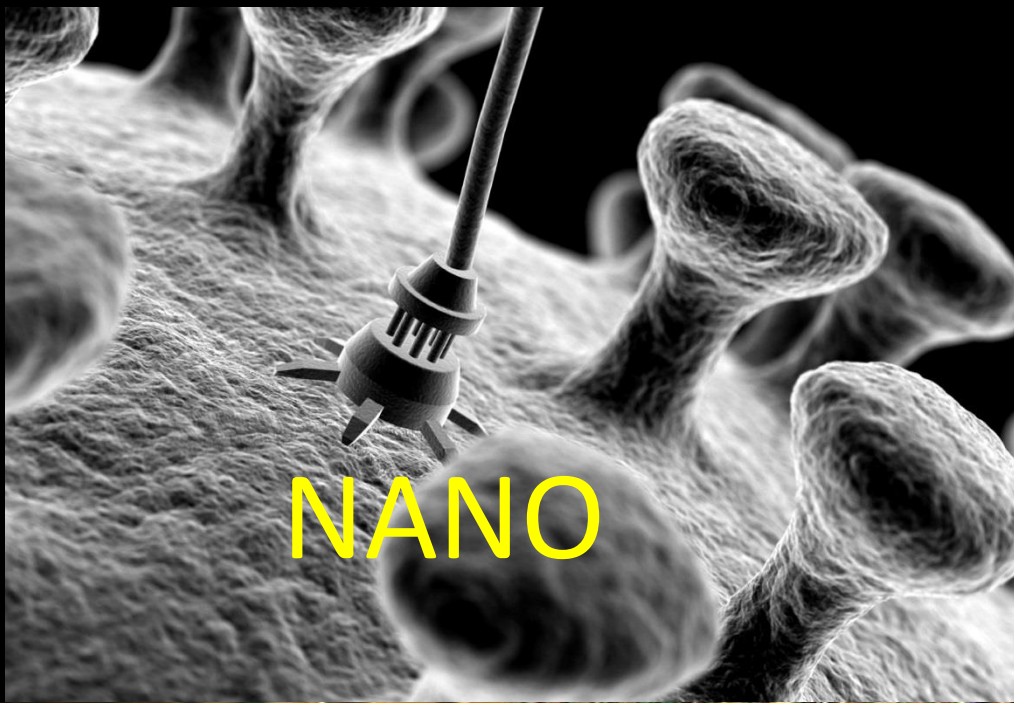
sähkö, massatuotanto

Kolmas teollinen vallankumous 1969:

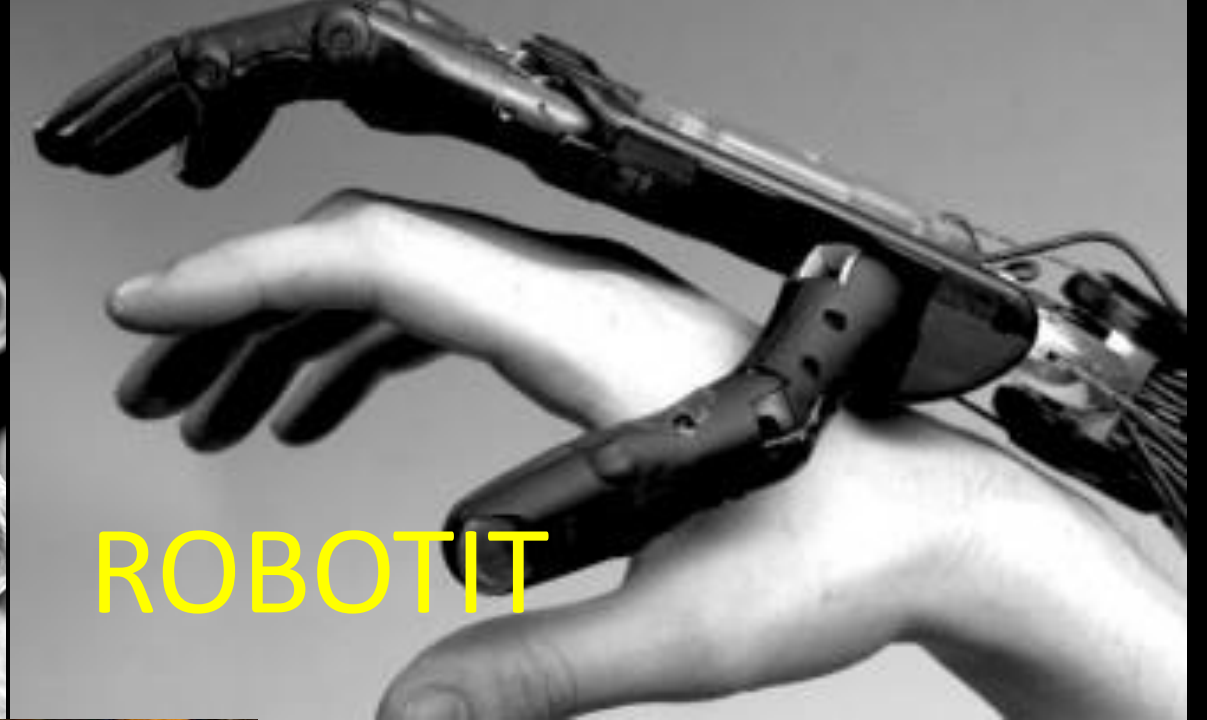
tietotekniikka, automaatio

Neljäs teollinen vallankumous JUST NYTE!

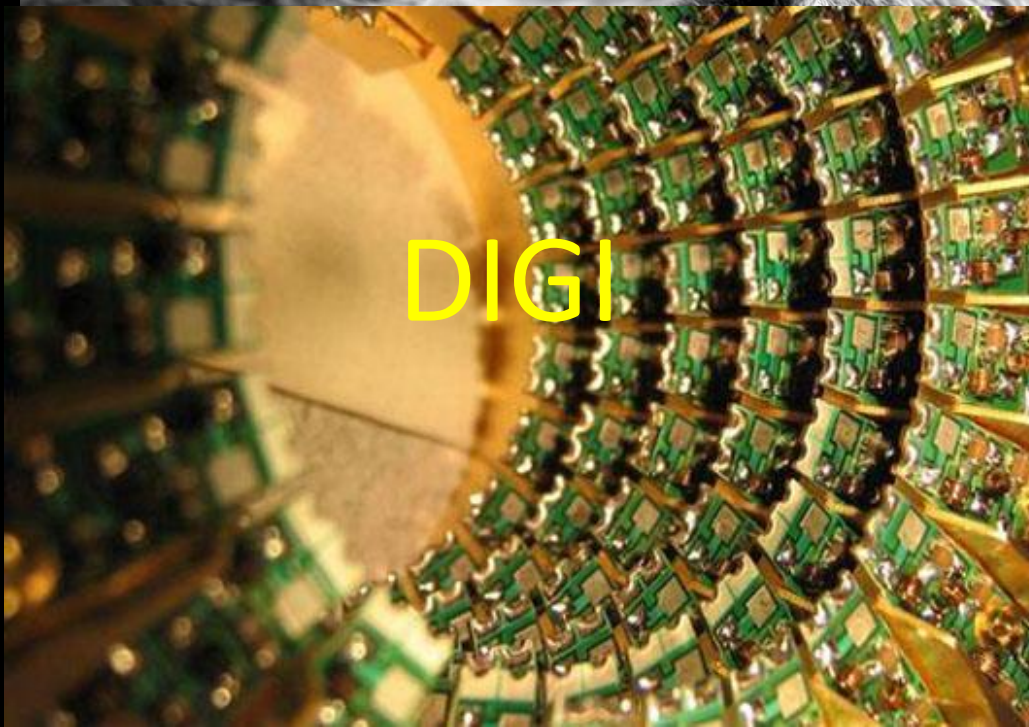
fyysinen, digitaalinen ja biologinen yhdistyvät



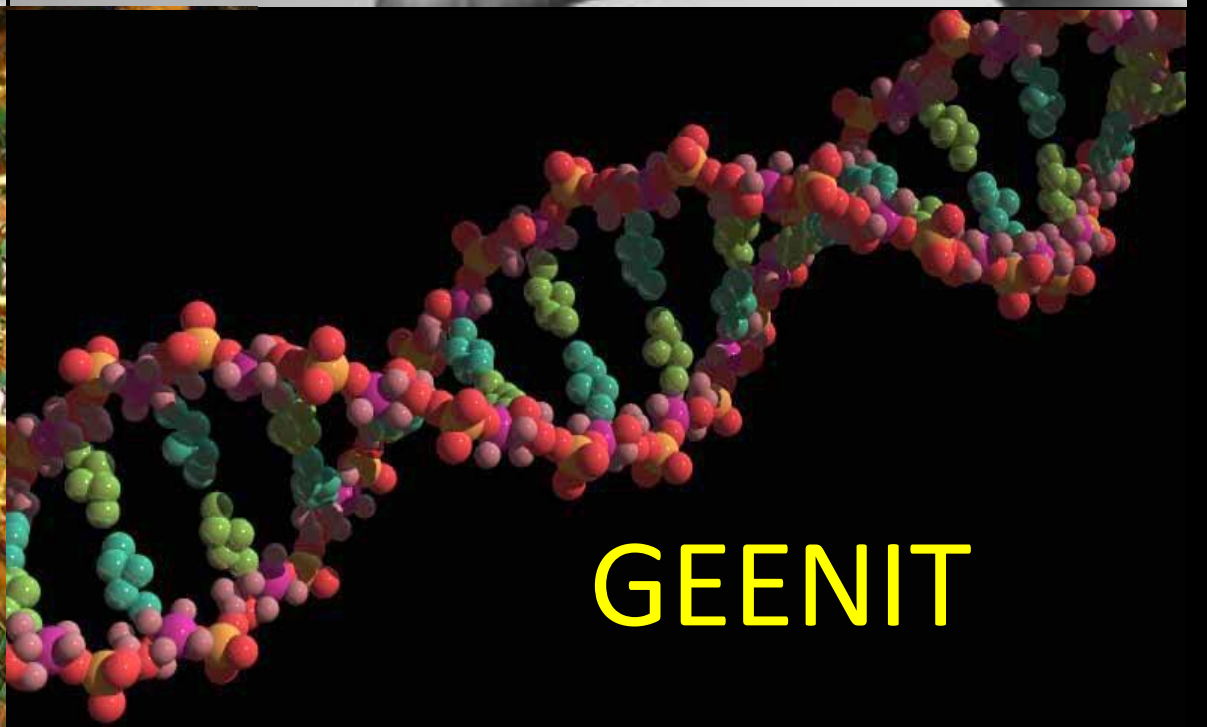
NANO



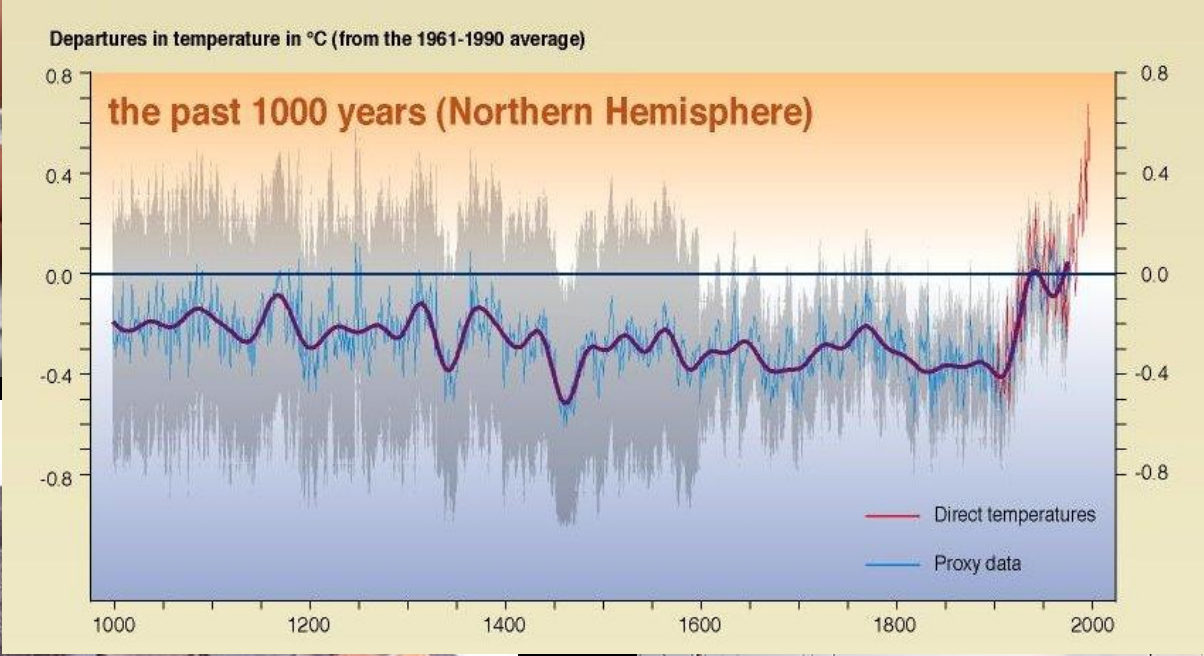
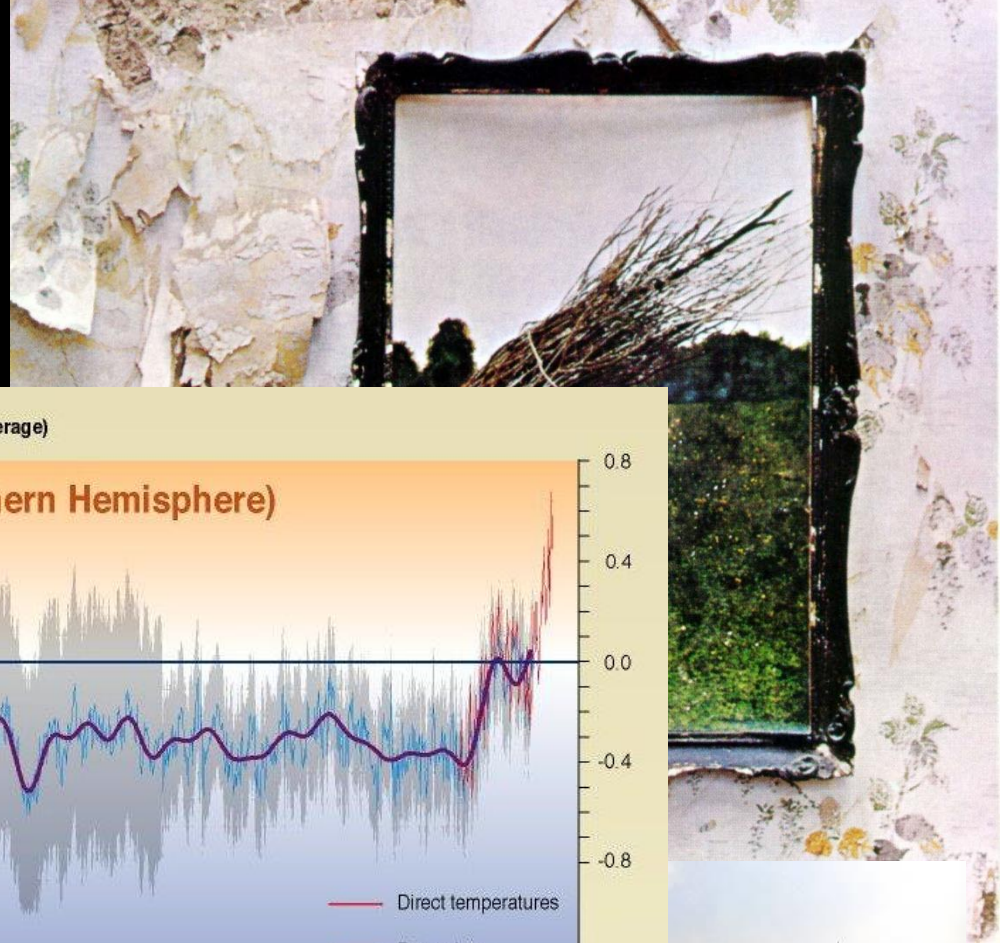
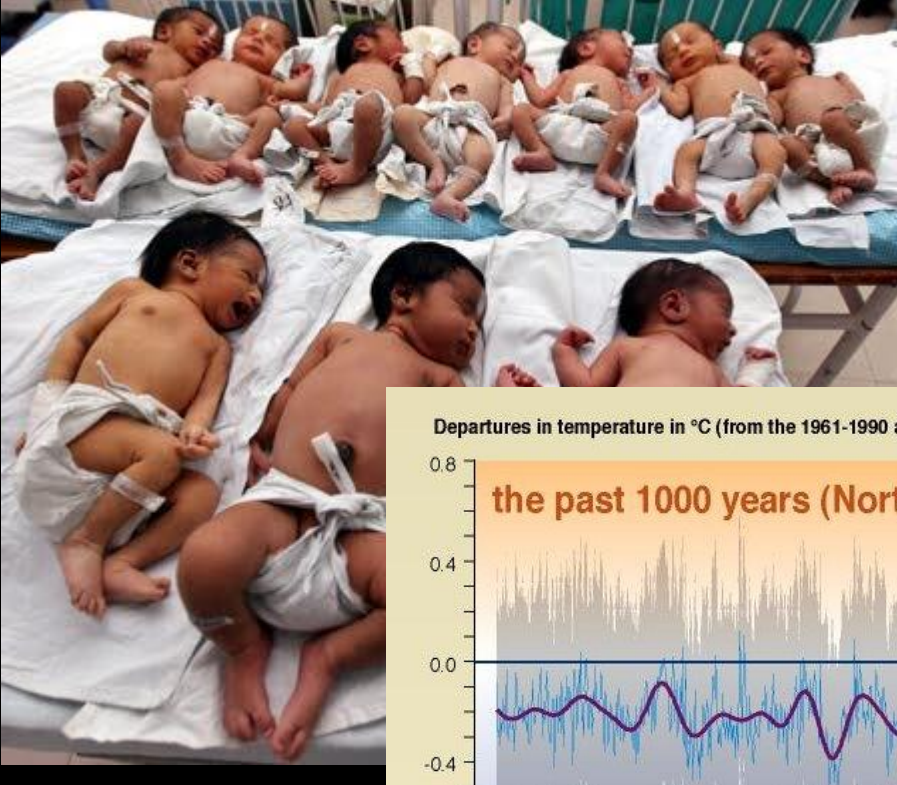
ROBOTIT

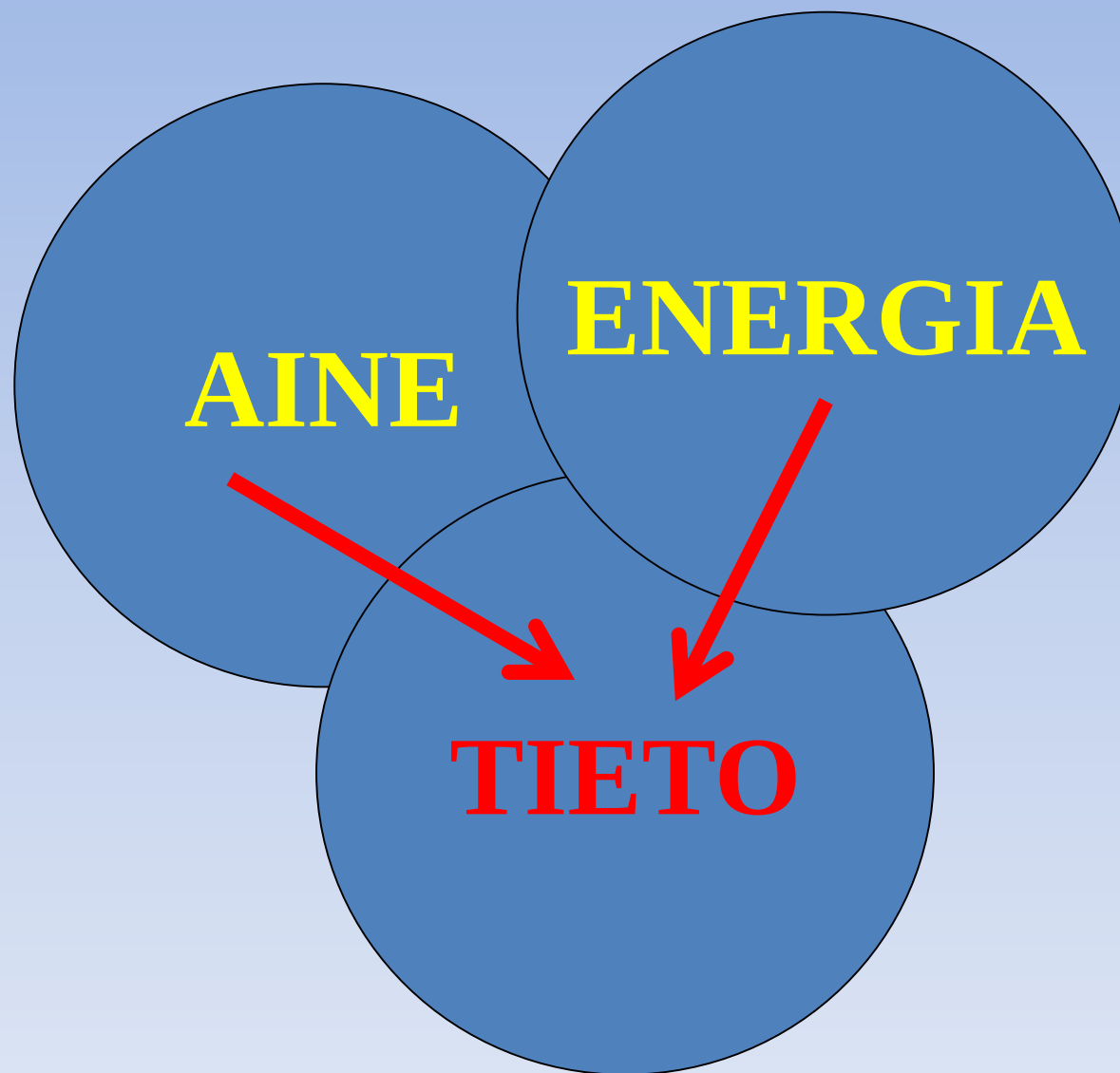


DIGI



GEENIT











**PARANNA
MAAILMAA
KAHVI-
TAUOLLA**



**THE POWER
OF YOU**

**Valitse Reilun kaupan tuote ja
muuta maailmaa ostos kerrallaan.**

Näkökulmia tulevaisuuden johtamiseen

Esko Valtaoja
emeritusprofessori, Turun yliopisto
valtaoja@utu.fi

TUOTTAVUUS

TYÖHYVINVOINTI

TYÖKYKY

JAKSAMINEN

TERVEYS

TYÖLLISYYS

JOHTAMINEN

YRITTÄMINEN

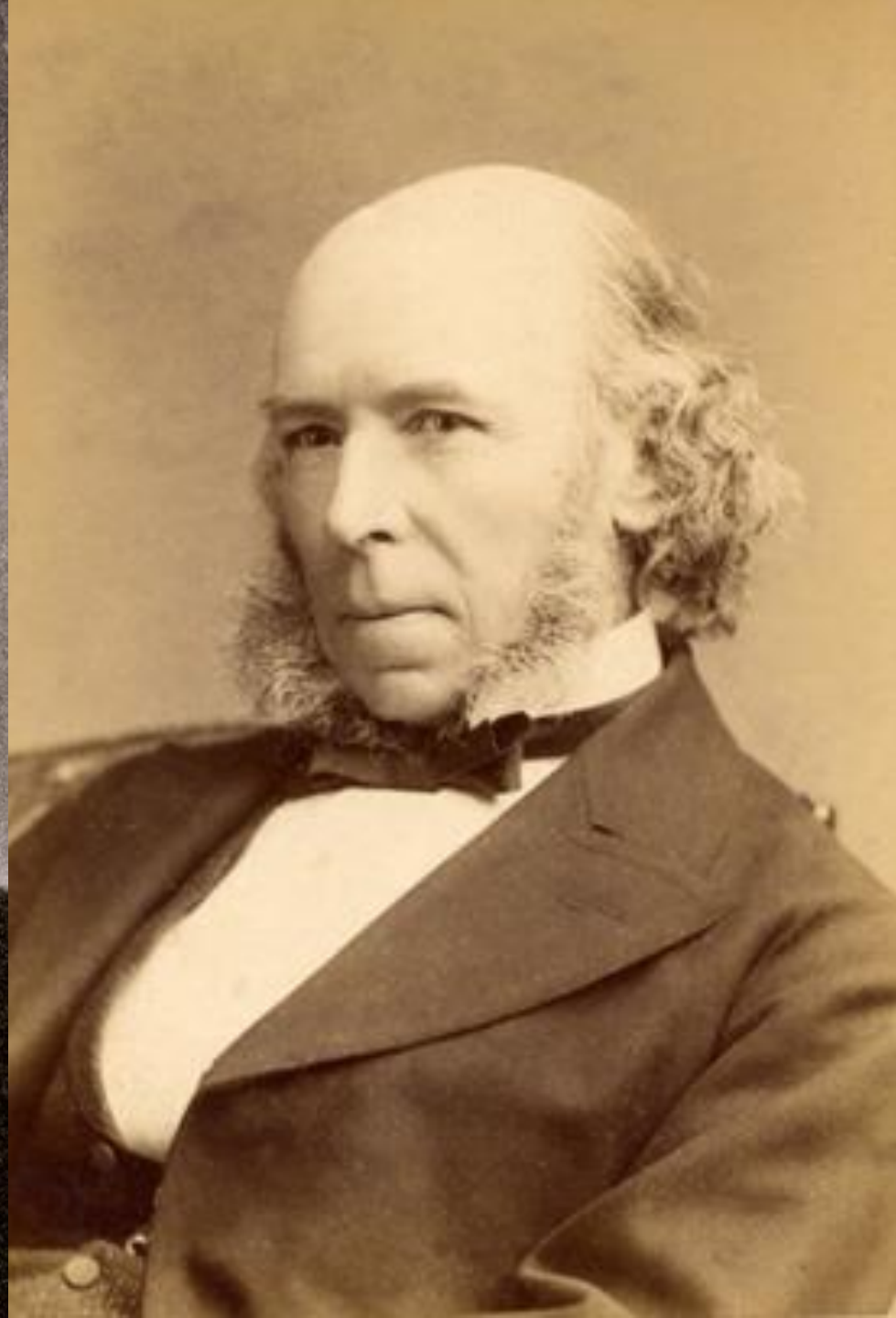
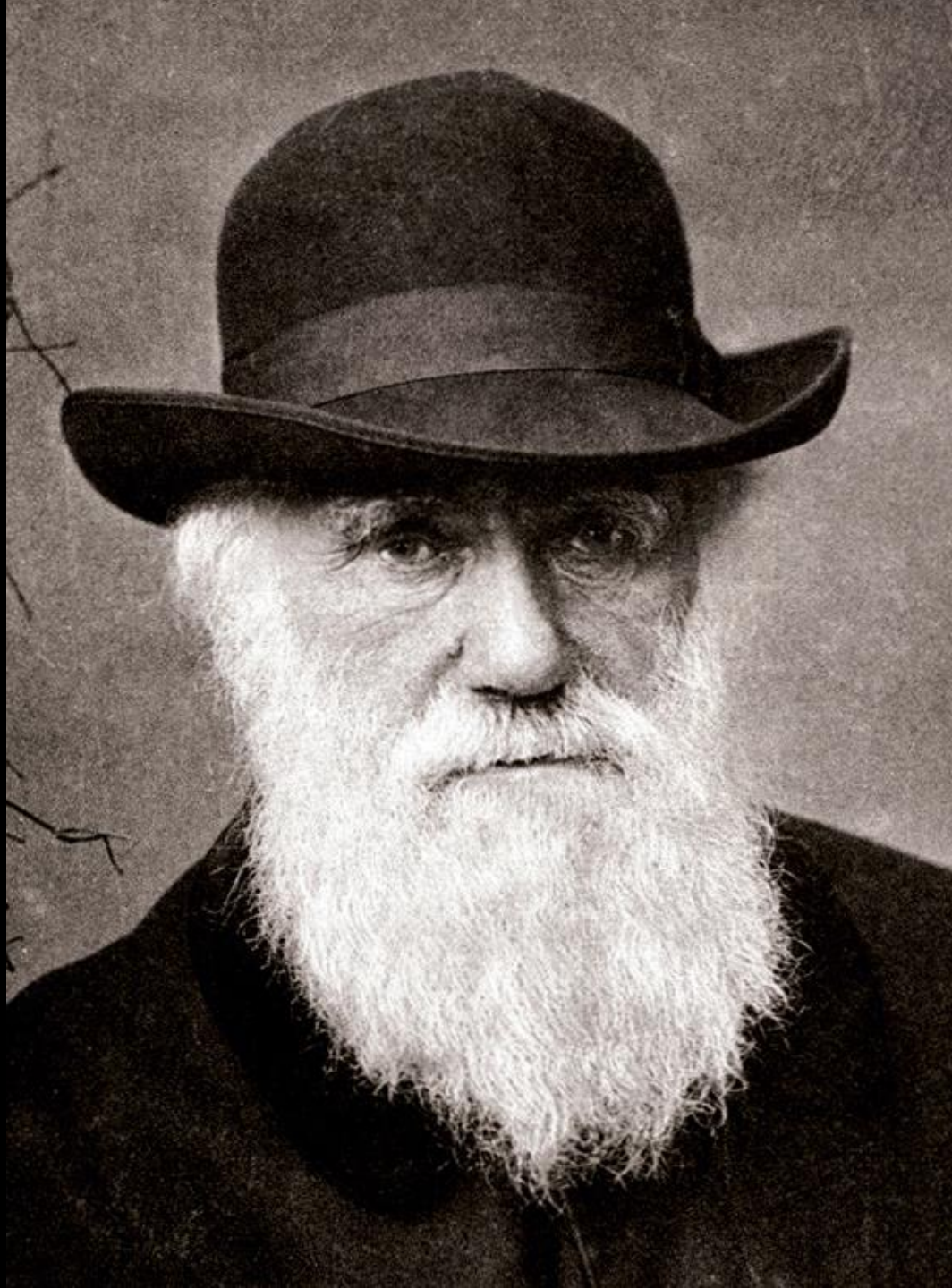
TALOUS

VASTUU

VERKOSTOITUMINEN

ELÄMÄ ON TAISTELUA







POHJANTIKKA

VARPUSHAUKKA

KAARNAKUORIAINEN

NÄÄTÄ

PUNAKYLKIRASTAS

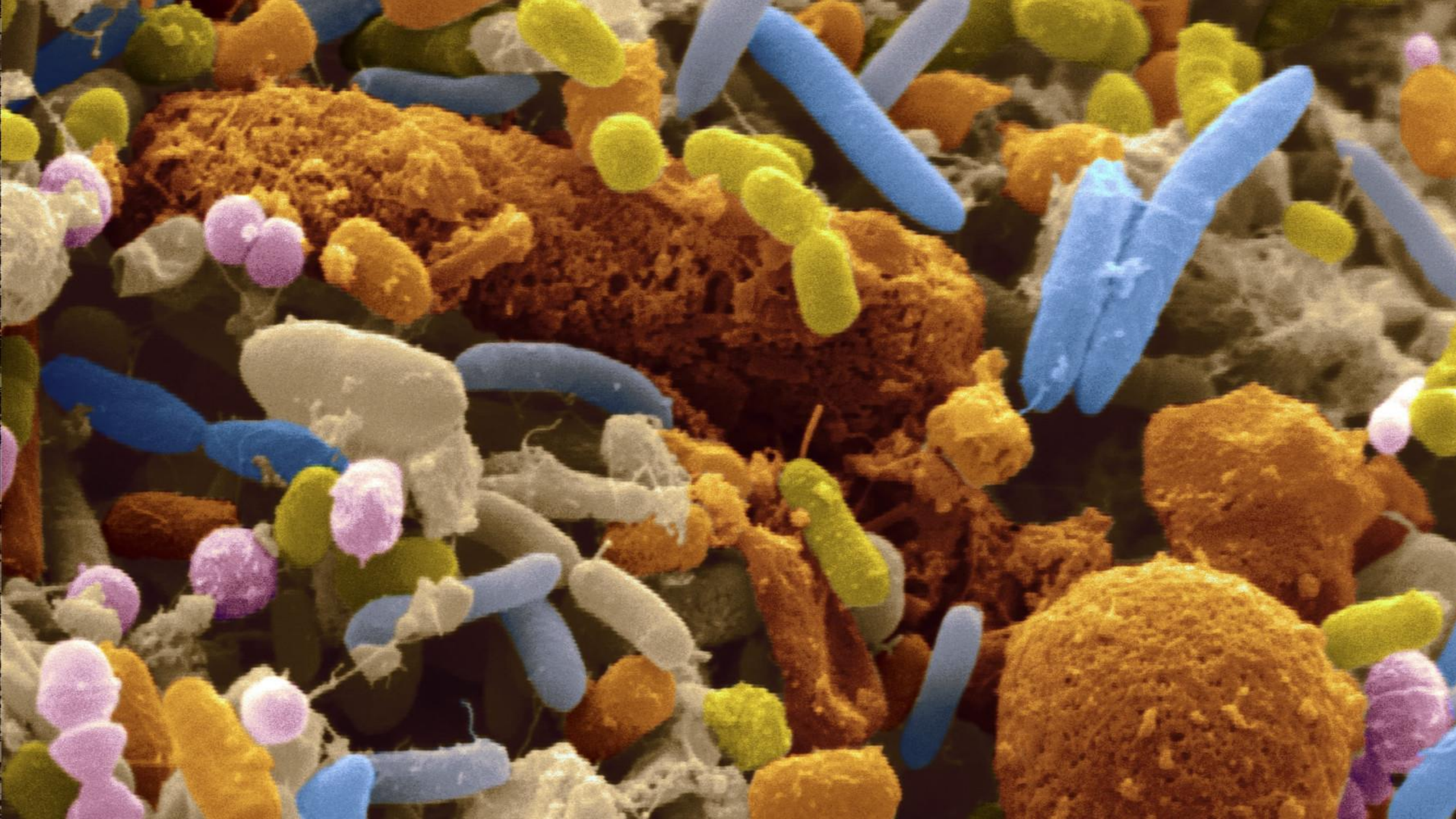
MUSTIKKAMITTARI

METSÄMYYRÄ

MUSTIKKA

KASTEMATO

LILLUKKA





A dense, chaotic painting depicting a pack of werewolves and human figures. The scene is filled with numerous werewolf heads, some with glowing eyes and open mouths showing sharp teeth. Interspersed among the wolves are several human figures, mostly nude, in various poses of distress or struggle. The overall color palette is dark and moody, with highlights on the fur and skin. The composition is tightly packed, creating a sense of overwhelming horror and chaos.

IHMINEN ON IHMISELLE SUSI







The phylogenetic

José María Gómez, Migue

Affiliations | Contribution

Nature 538, 233–237 (13

Received 17 March 2016 |



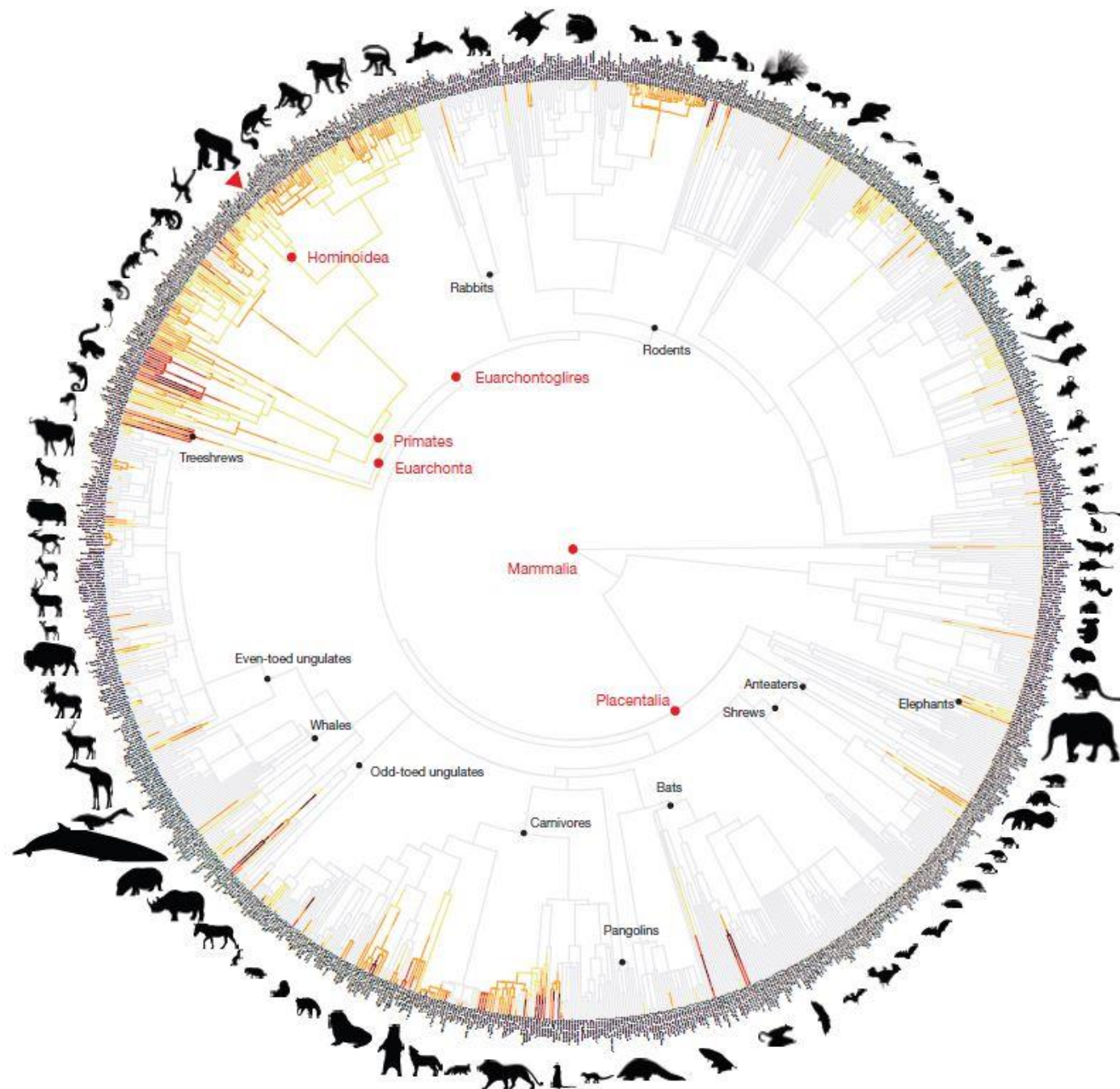
PDF



Citation



The psychological, social
are still debated, despite
4, 5, 6, 7, 8, 9, 10, 11. Here we



arch

Go

► [Advanced search](#)

العربية

as Hobbes said that people
Jean-Jacques Rousseau, that
aceable. The reality
where in between, but where?

athal violence deep in the



HYVÄLUONTOINEN

Oikean ja väärän alkuperä
ihmisessä ja muissa eläimissä



FRANS DE WAAL

Suomentanut
Kimmo Pietiläinen

Terra Cognita





ÉMILE ELI KASVATUKSESTA

ROUSSEAU, JEAN JACQUES



JONNA TERVOMAA

Se ei kuulu mulle Lyrics

Heräsin, kun sua muutettiin
Seinän taakse sun makuuhuoneeseen.
En etunimeäs vieläkään
Ole päässyt sulta kysymään,
Pari sanaa toisinaan
Hississä vaihdetaan.
Peität kasvosi kaulaliinaan.

**”Firman ainoa tehtävä on tuottaa
ihmiskunnalle voittoa.”**







Turun
Sinappia



LEHMAN BROTHERS



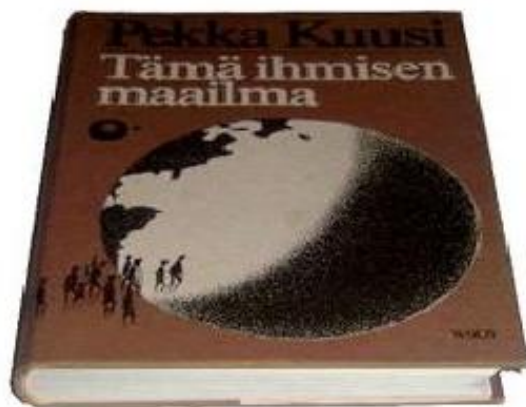
NOKIA
RENIKAA



Nordea 



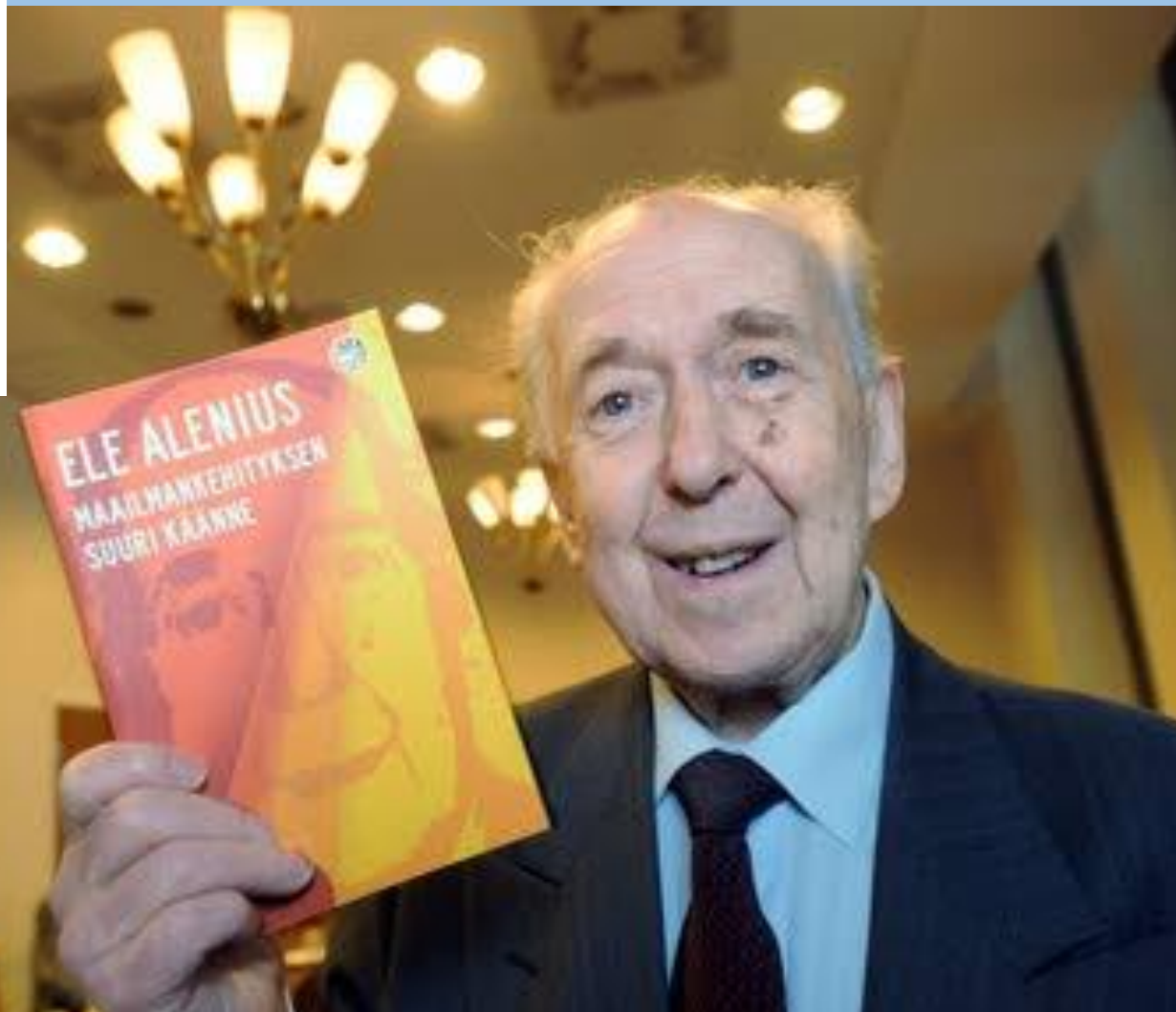
Pekka Kuusi 1917-1989

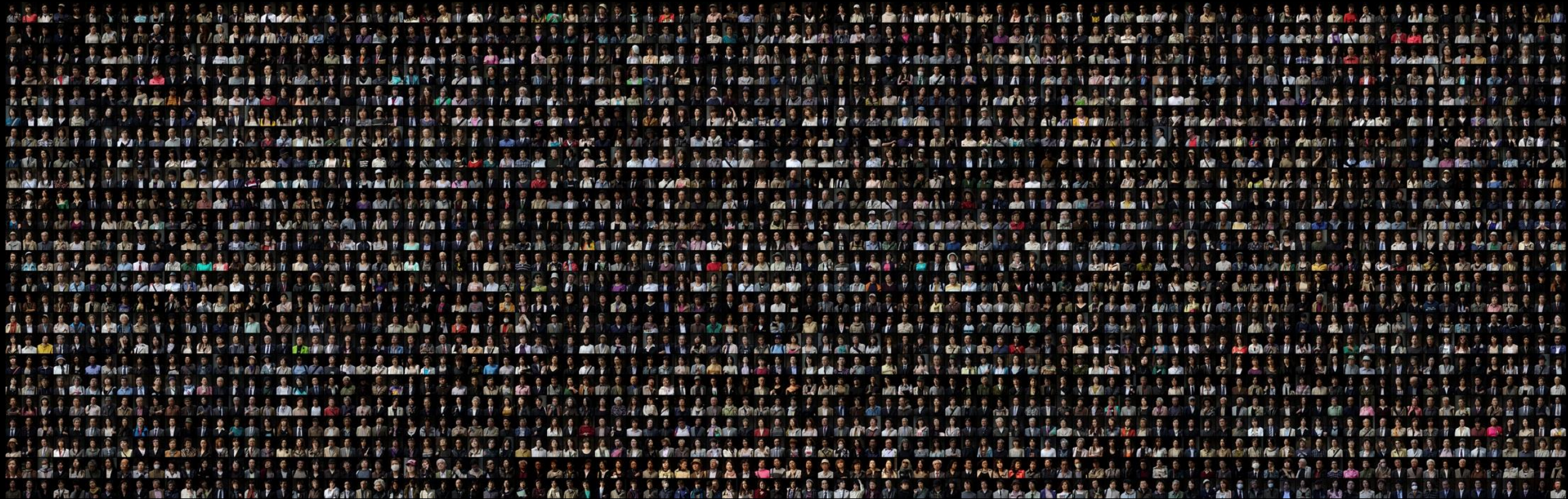


Pekka Kuusi: Tämä ihmisen maailma (engl. *This World of Man*), 1983.

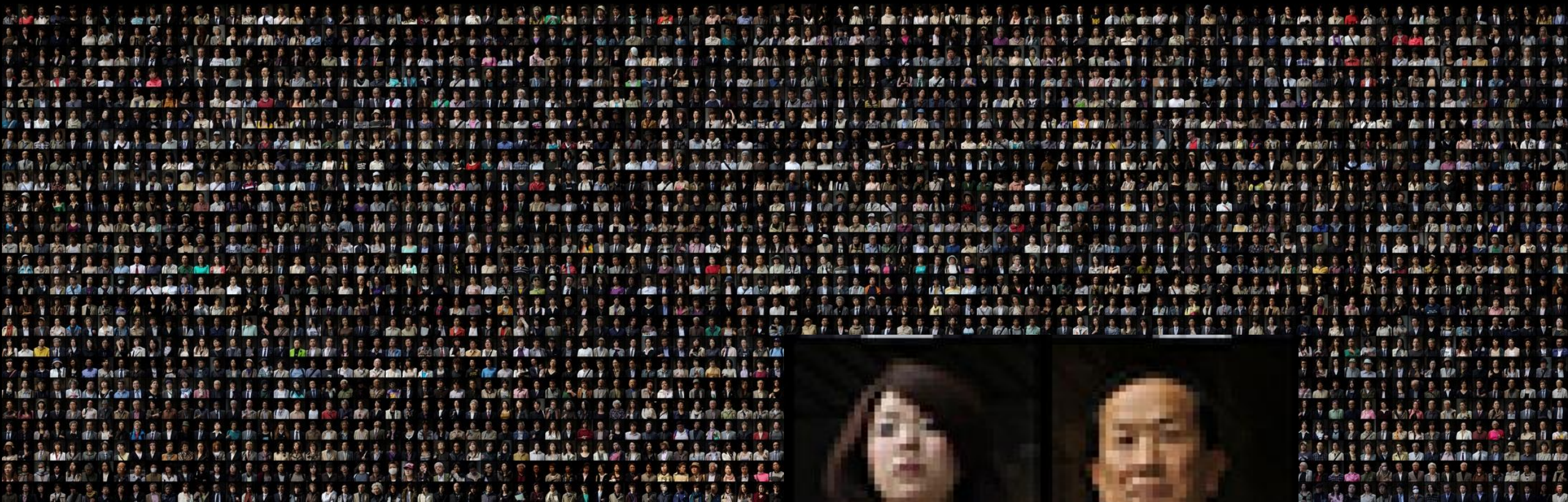
lajikumppanuus

planetarismi





Tuomo Rainio: Murtuva katse



PHOENIX

6:52 PM MT



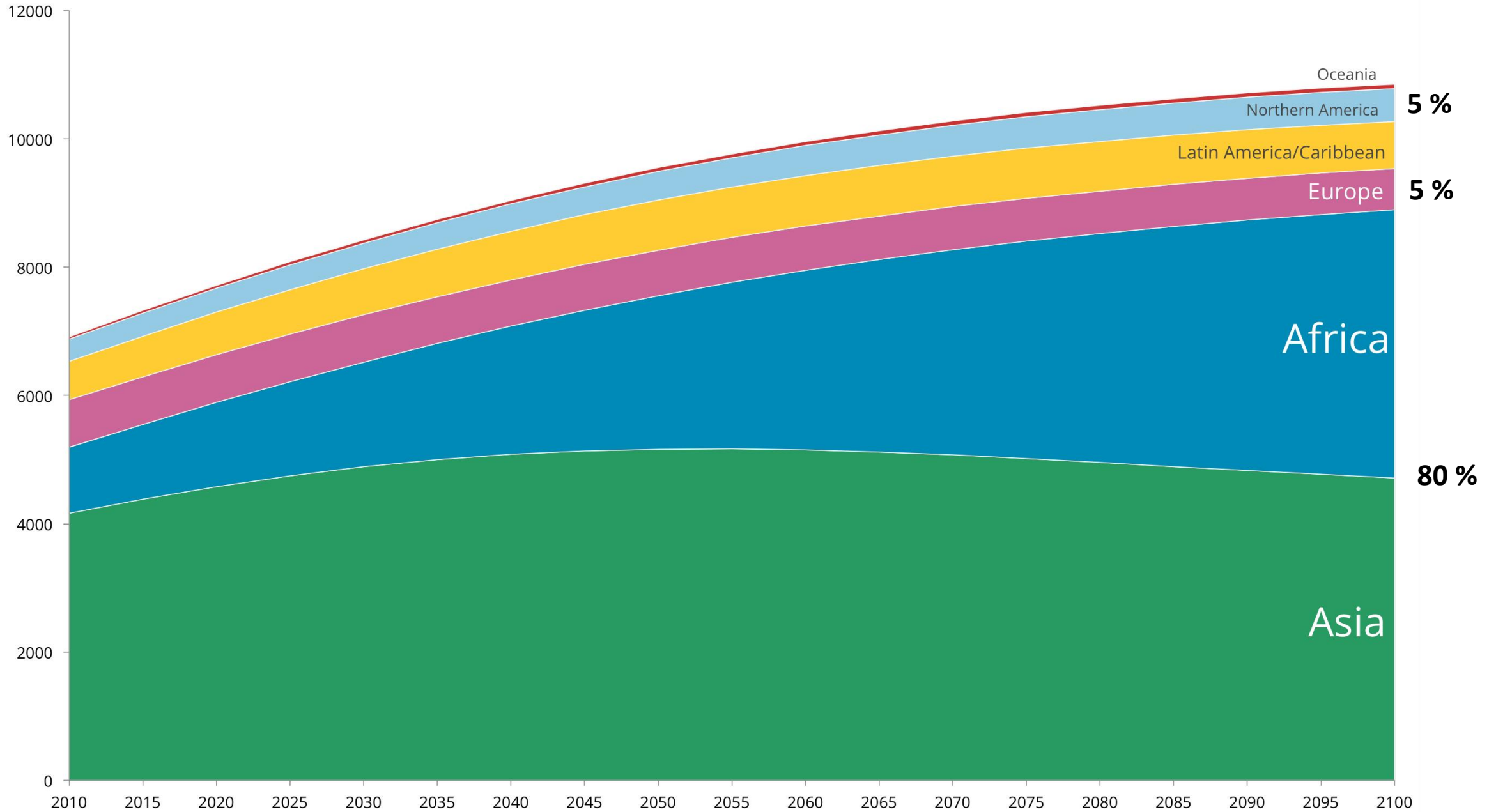
TRUMP

TRUMP: WE WILL BUILD A GREAT WALL ALONG BORDER

BREAKING TONIGHT

MAKE AMERICA GREAT AGAIN!

People (in millions)



**PARANNA
MAAILMAA
KAHVI-
TAUOLLA**



**THE POWER
OF YOU**

**Valitse Reilun kaupan tuote ja
muuta maailmaa ostos kerrallaan.**

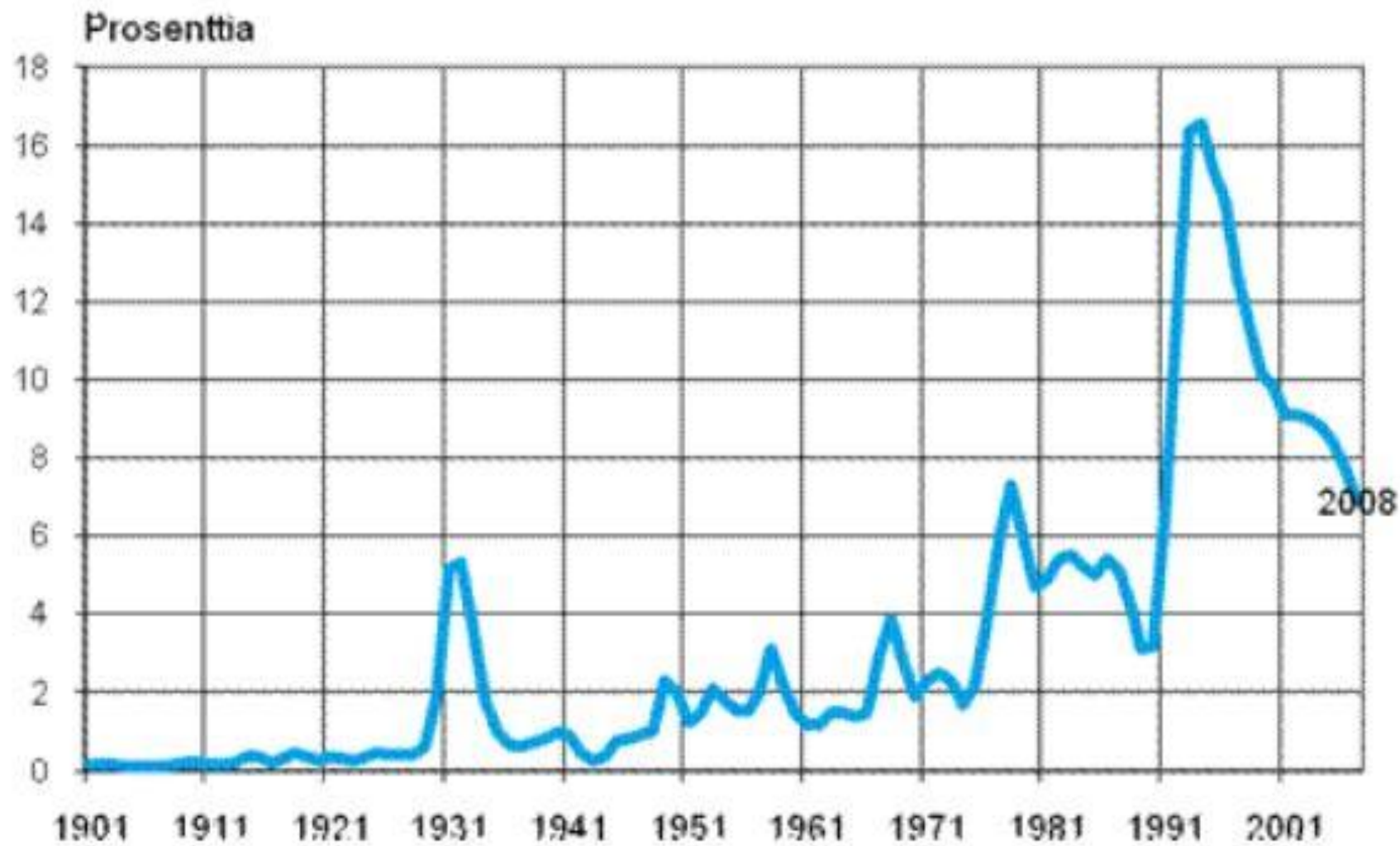
JUHA SILTALA



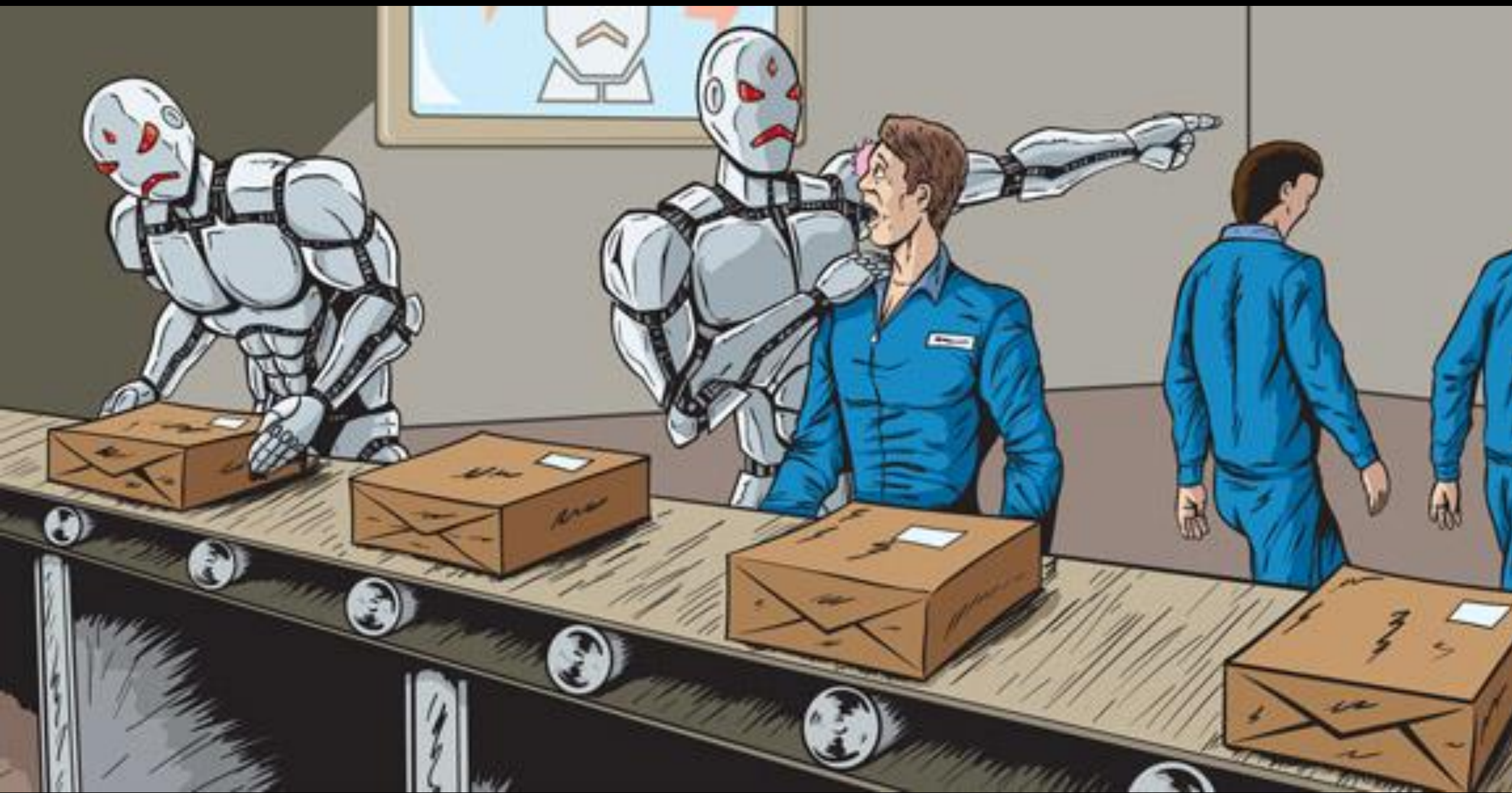
TYÖELÄMÄN
HUONONTUMISEN
AINAVAIN

P*SKEMPAA DUUNIA

Työttömyysaste



(Lähde: Tilastokeskus)

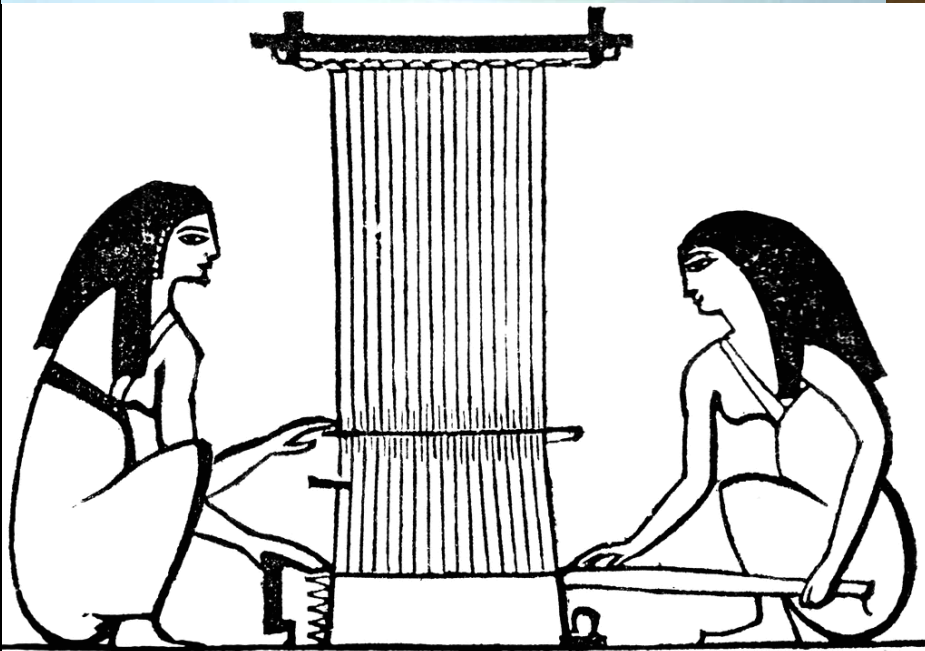


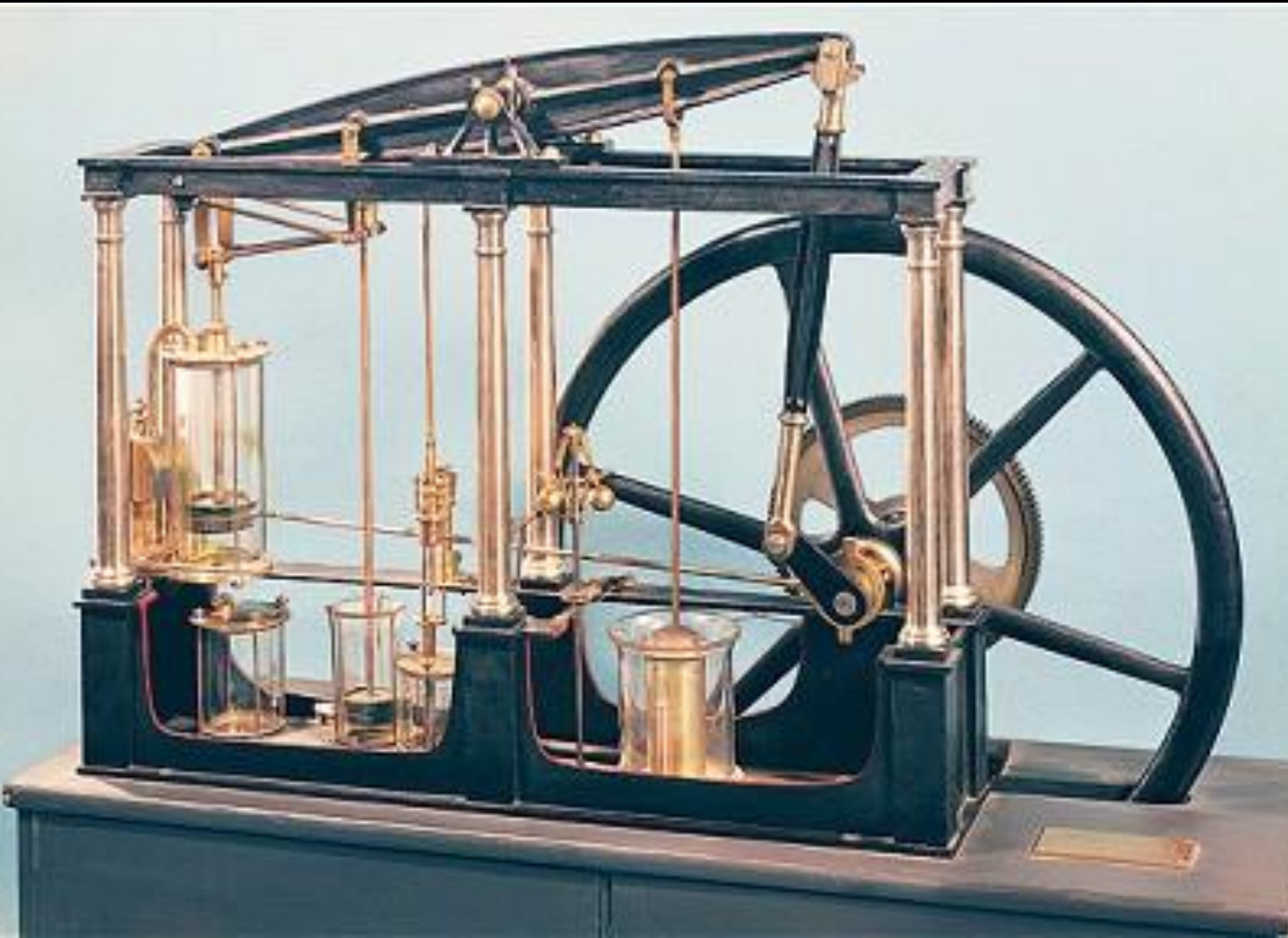






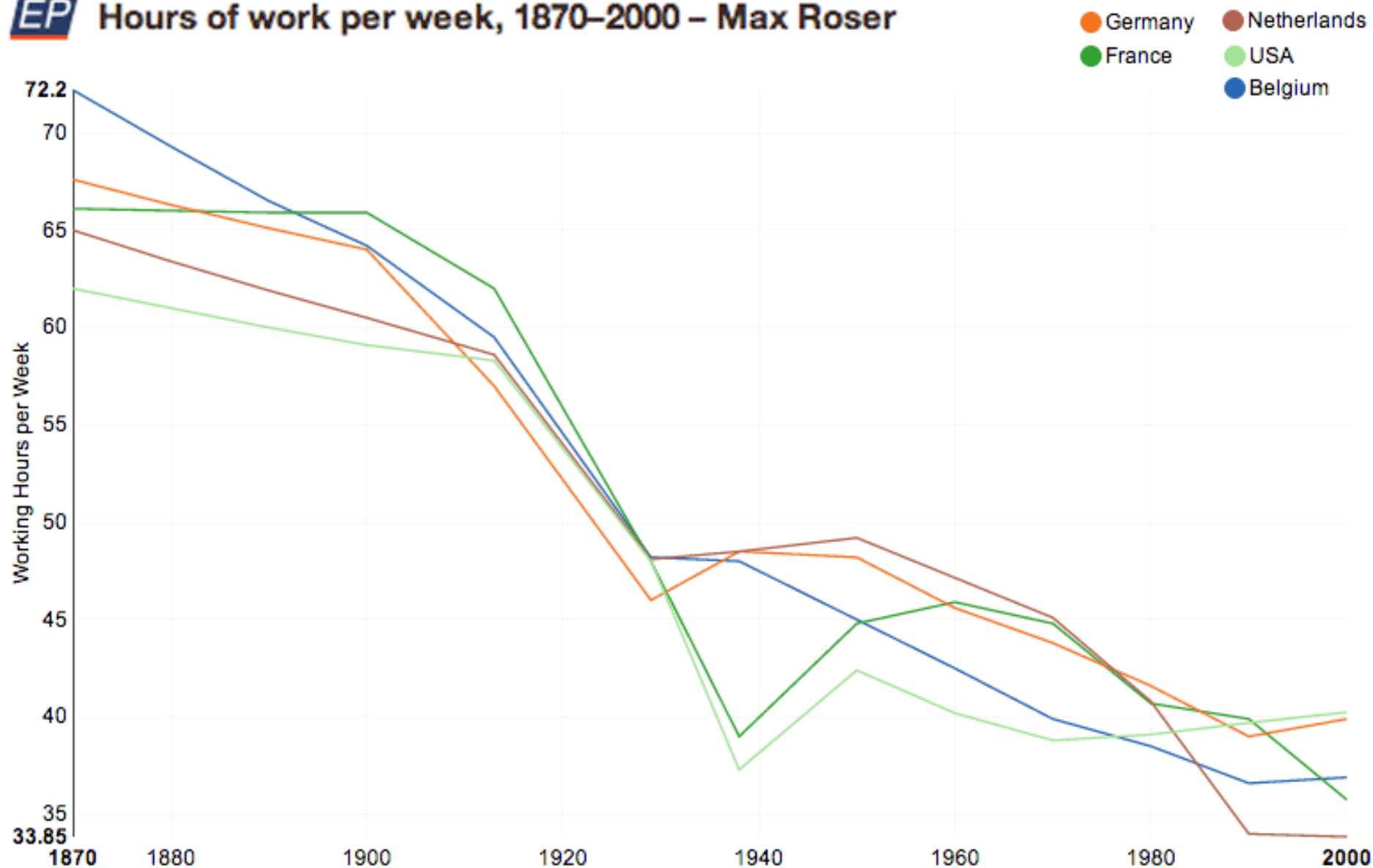




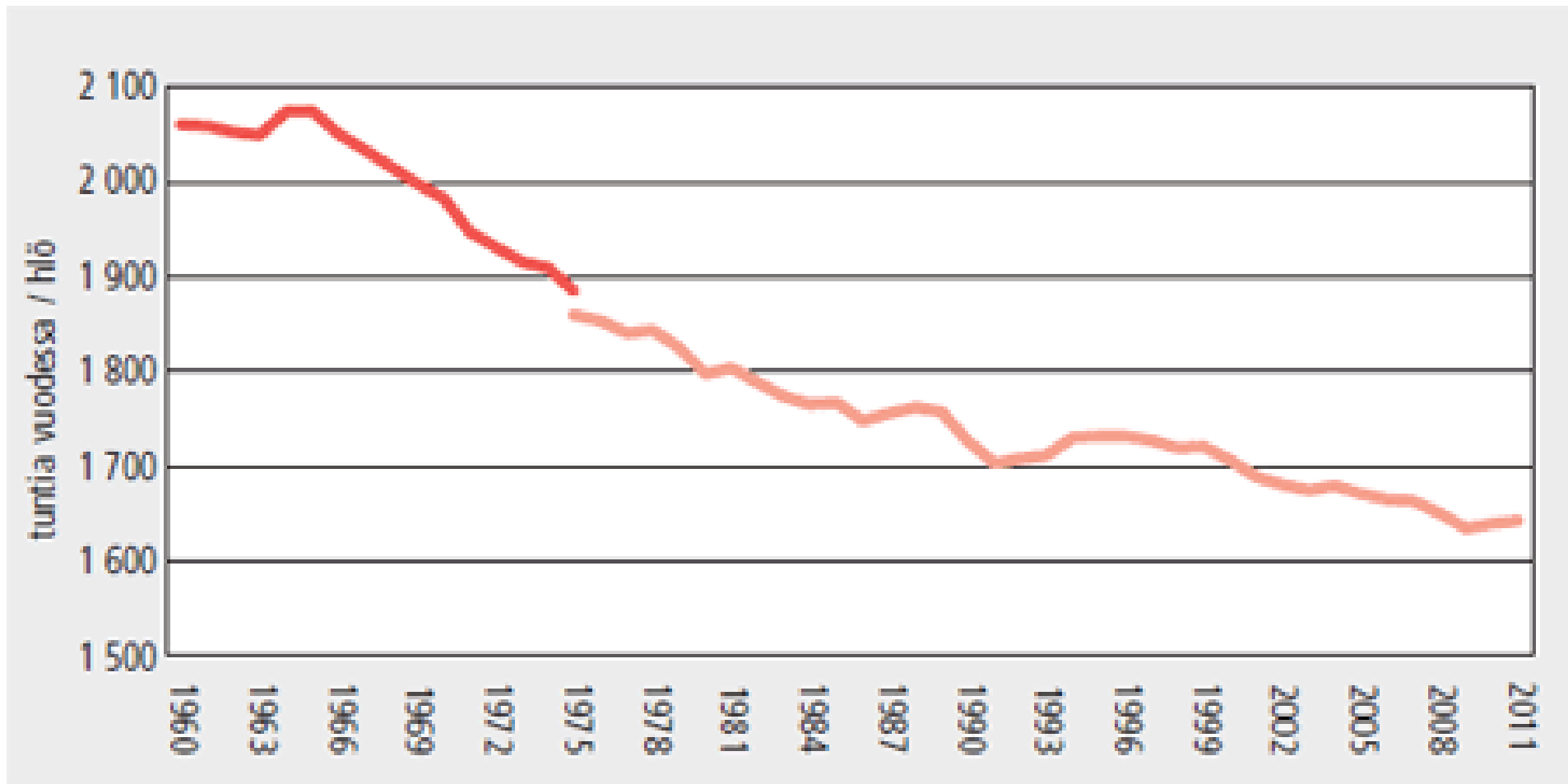




Hours of work per week, 1870–2000 – Max Roser



The author Max Roser licensed this visualisation under a [CC BY-SA license](https://creativecommons.org/licenses/by-sa/4.0/). You are welcome to share but please refer to its source where you find more information: www.explainingprogress.com/data/economic-development-work-standard-of-living/working-hours
Data Source: Hubermann & Minns (2007)



(Tilastokeskus)



TYÖ: ENERGIA



Our Punkah Man.
Higginbotham & Co., Madras & Bangalore. No. 64.

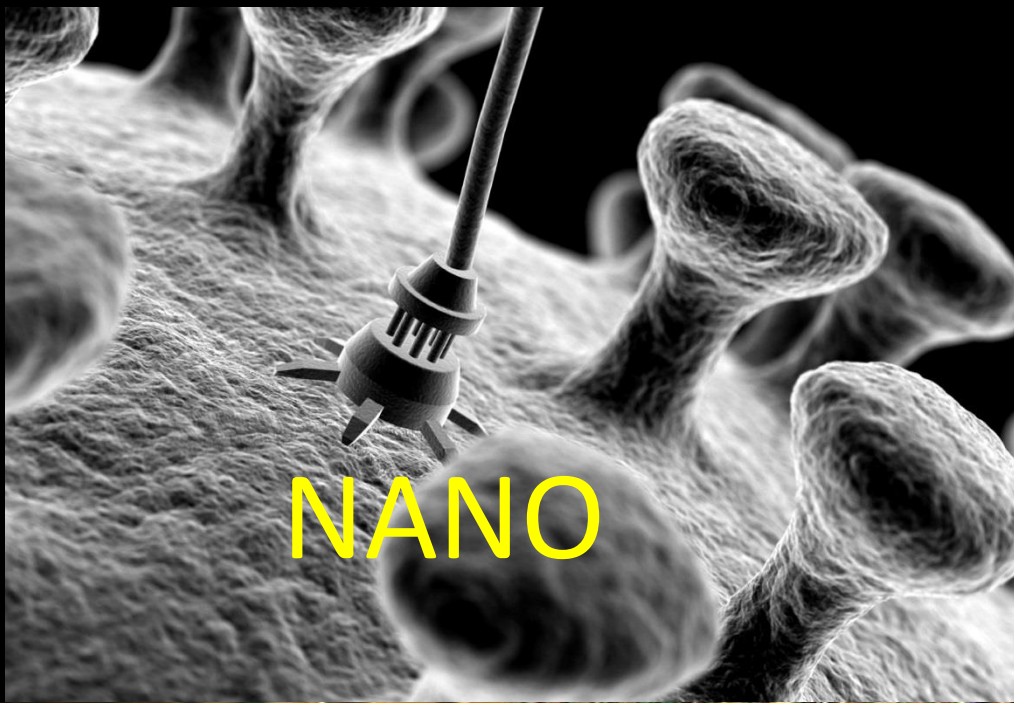
TYÖ: TAITO



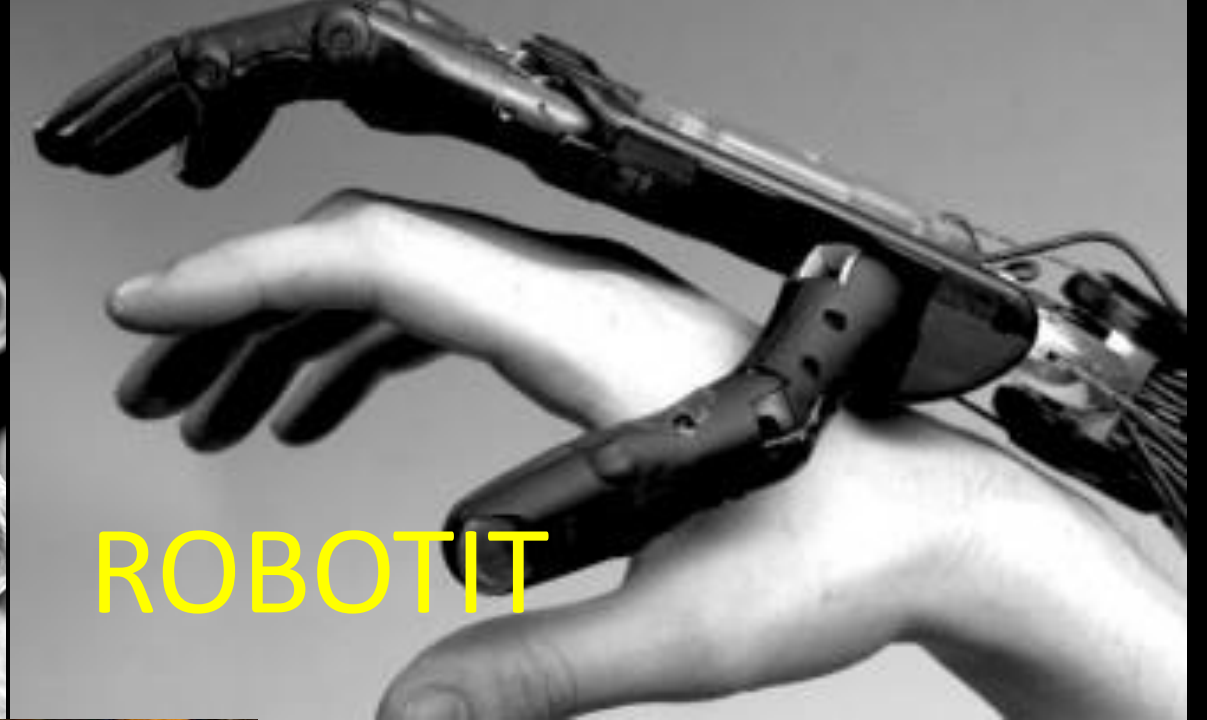
The image is a composite. The background shows a man in a dark patterned shirt sitting at a desk in an office, looking stressed with his hand on his head. On the desk are a laptop, a telephone, and some papers. In the bottom right corner, there is an inset image of a futuristic, white, female robot head with glowing blue eyes and a small light on its chin. The text 'TYÖ: LUOVUUS' is overlaid in large yellow letters at the bottom left.

TYÖ: LUOVUUS

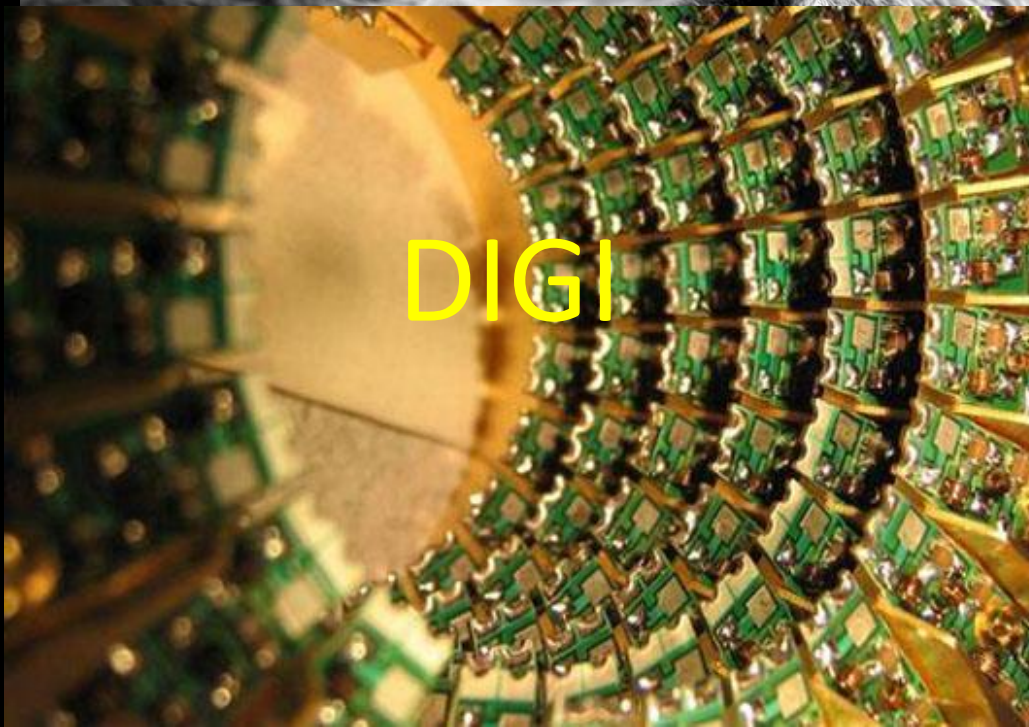




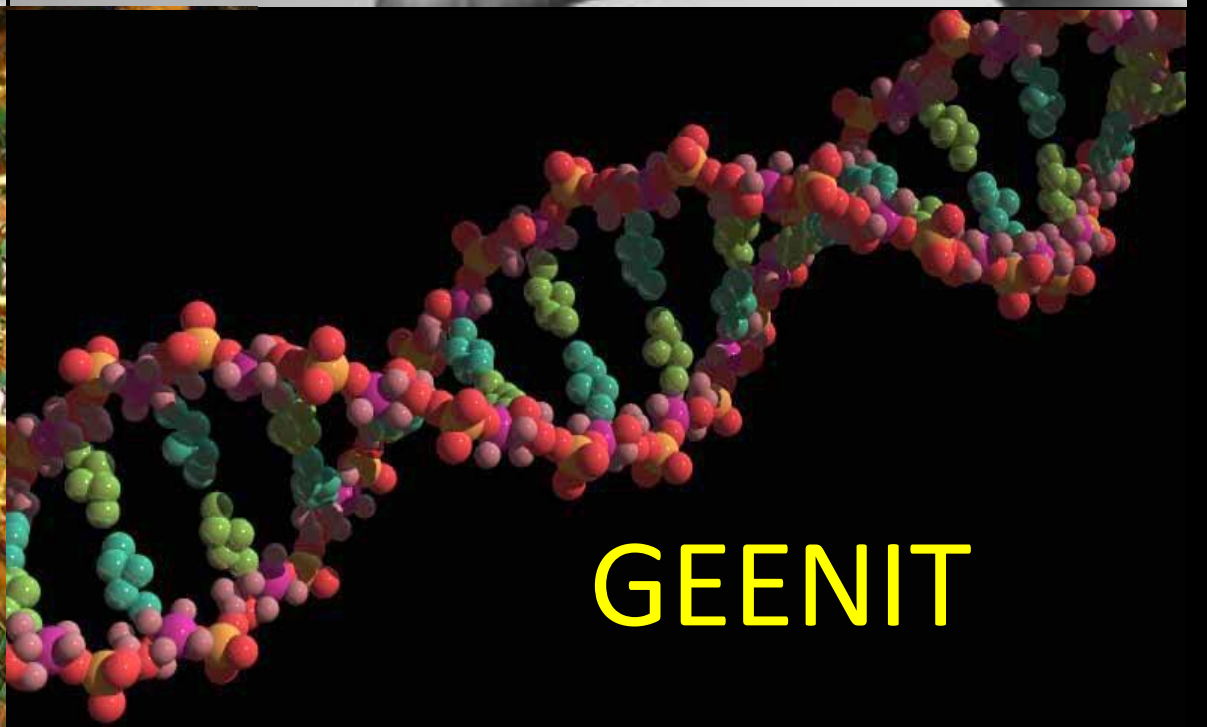
NANO



ROBOTIT



DIGI



GEENIT

Työllä tarkoitetaan jonkin tehtävän suorittamiseen tähtäävää pitkäjännitteistä, aktiivista ja tavoitteellista toimintaa, joka liittyy tyypillisesti toimeentulon hankkimiseen (ansiotyö) tai yksilön omien taikka hänen lähipiirinsä aineellisten tarpeiden tyydyttämiseen (kotityö).



Työllä tarkoitetaan toimintaa, joka liittyy tyypillisesti yksilön omien taikka hänen lähipiirinsä henkisten tai sosiaalisten tarpeiden tyydyttämiseen (elämäntapa- eli hupityö).



Tulevaisuuden työelämätaidot 2200



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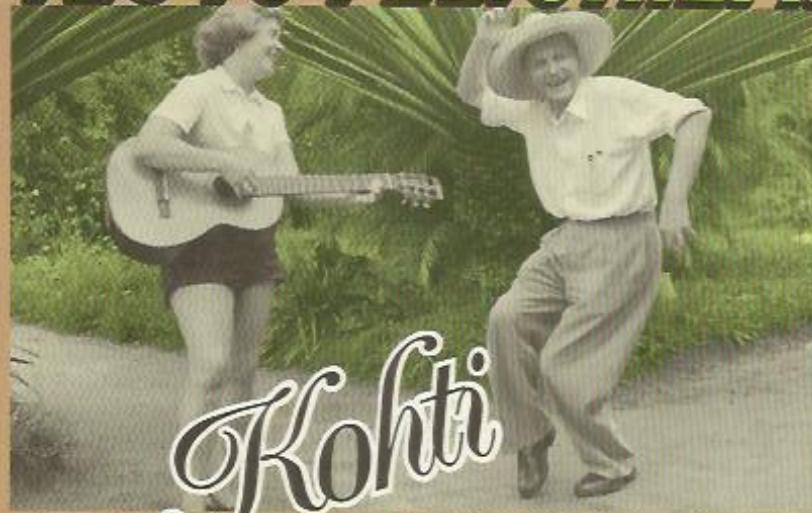
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Essi Ryymin, HAMK AOKK



POMOT TARTTIS VIEDÄ
SAUNAN TAAKSE...



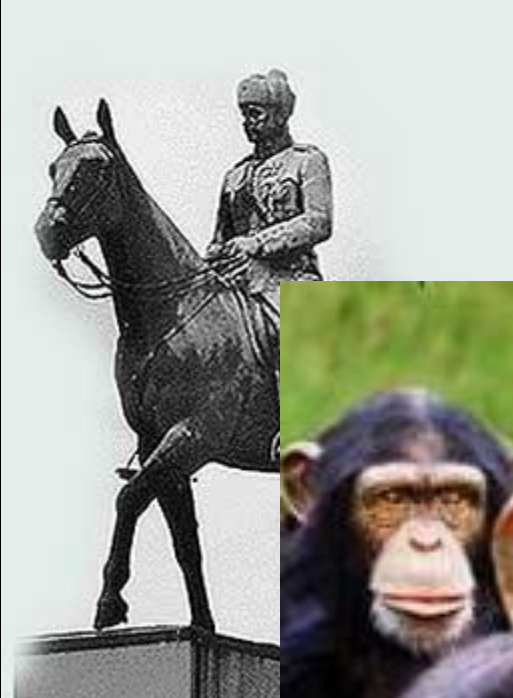
TEUVO PELTONIEMI



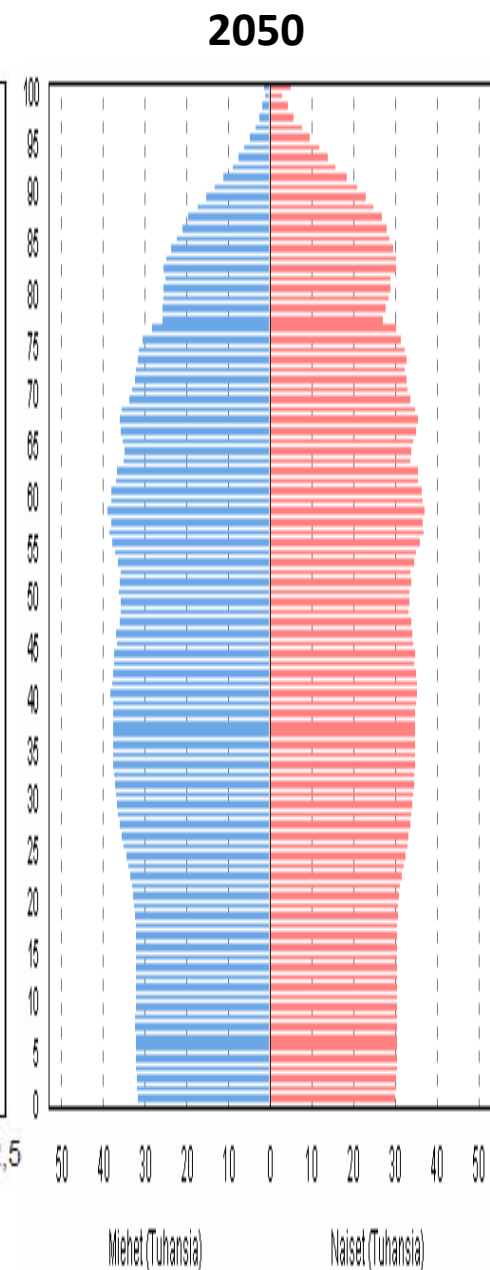
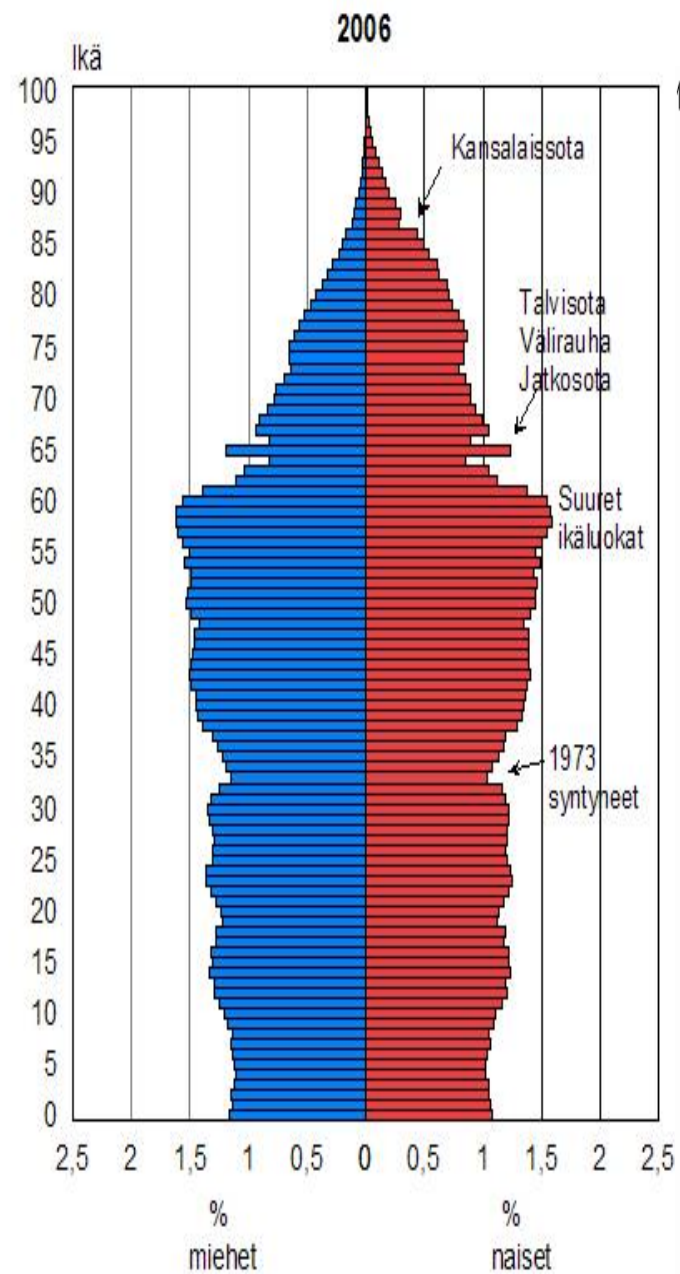
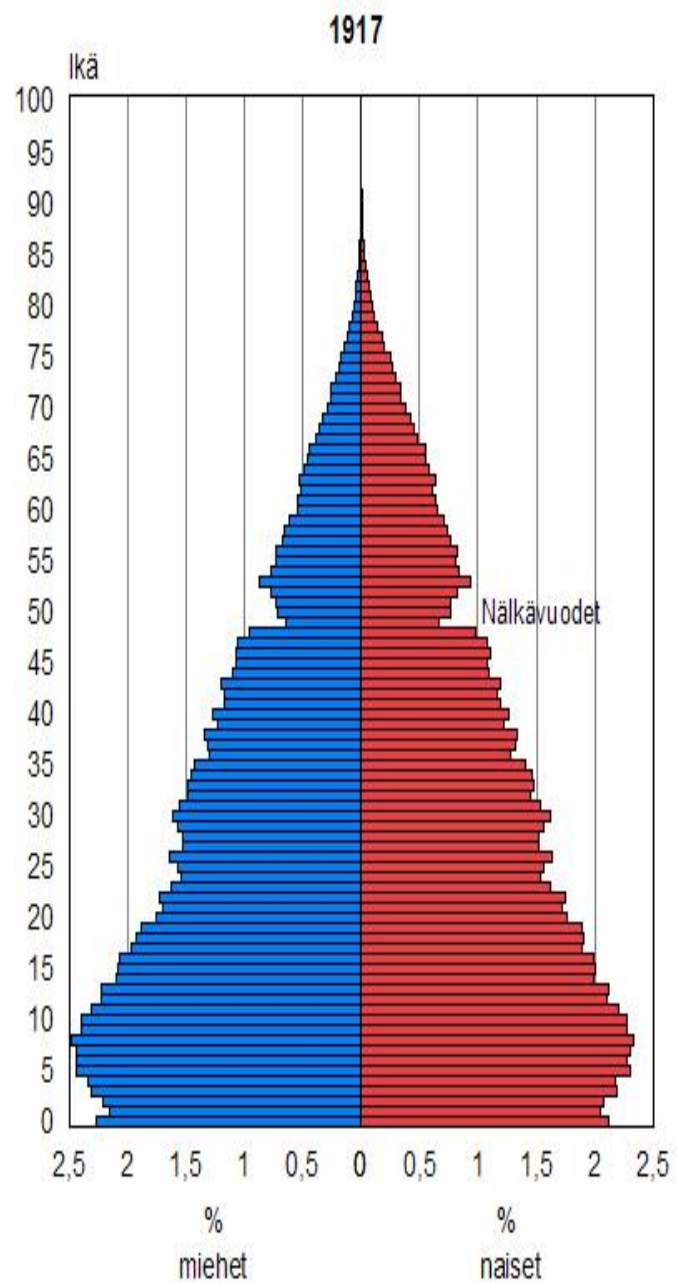
Kohti
**PAREMPAA
MAAILMAA**



Otava

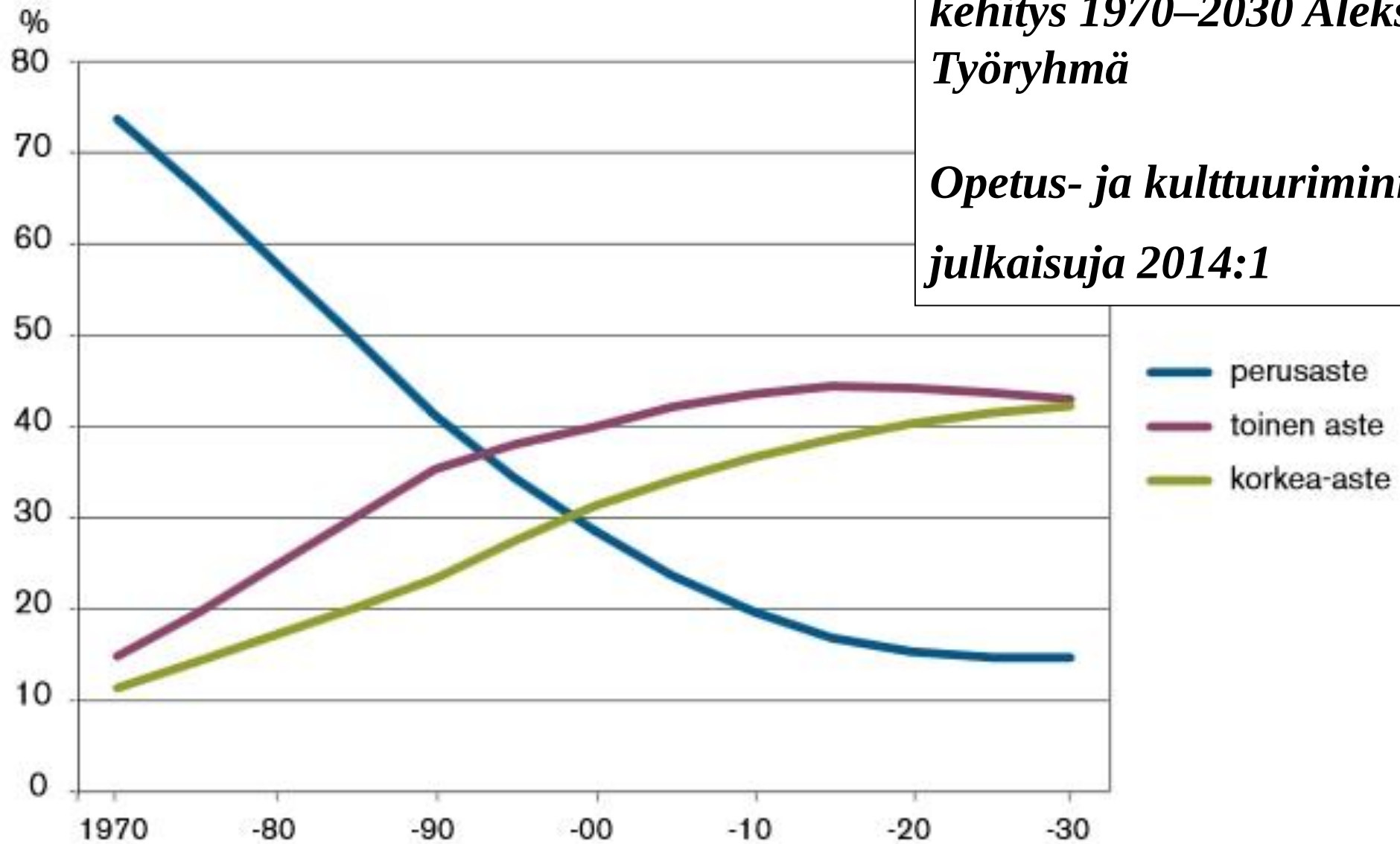






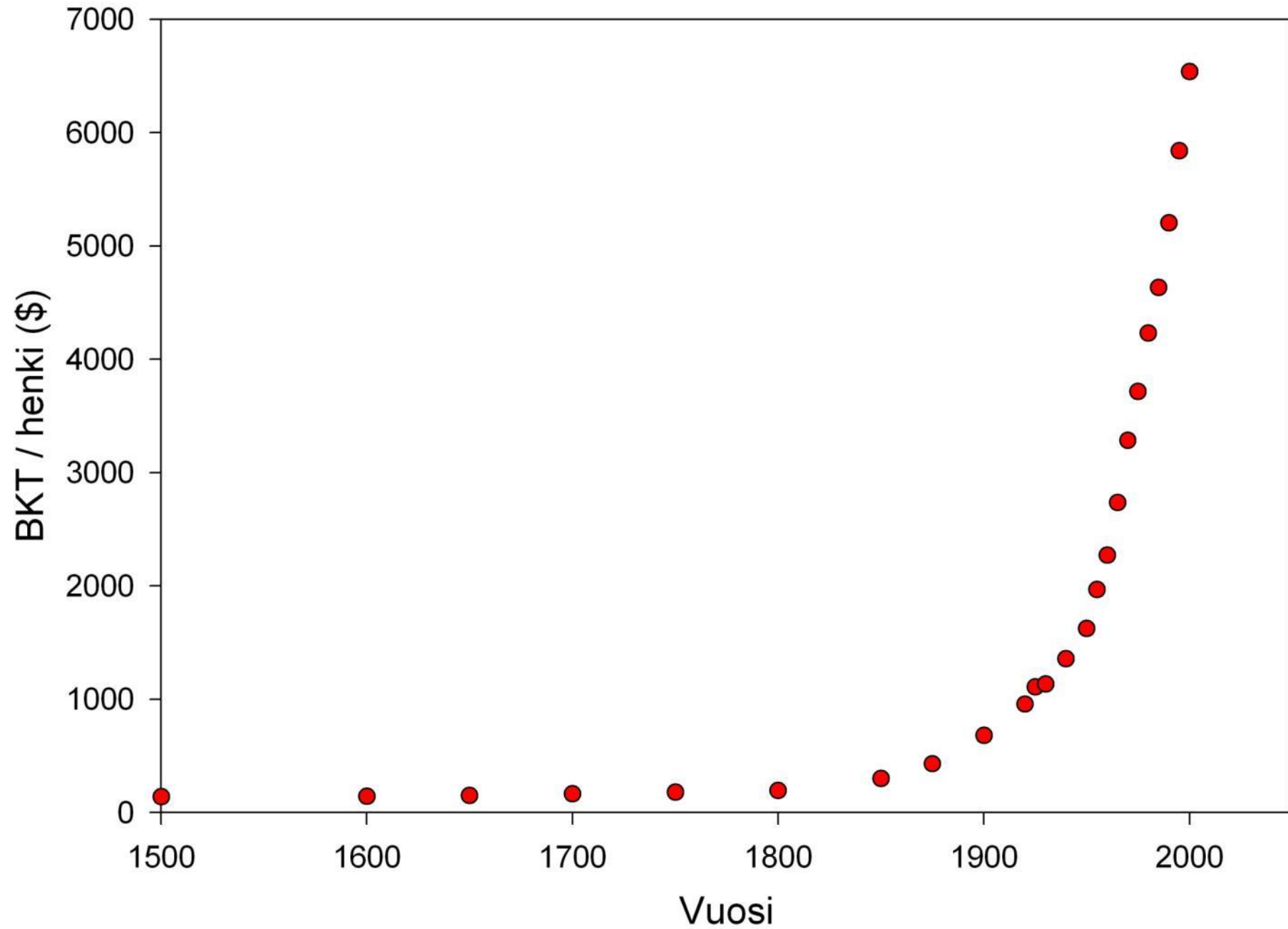
*Suomalaisten koulutusrakenteen
kehitys 1970–2030 Aleksi Kalenius
Työryhmä*

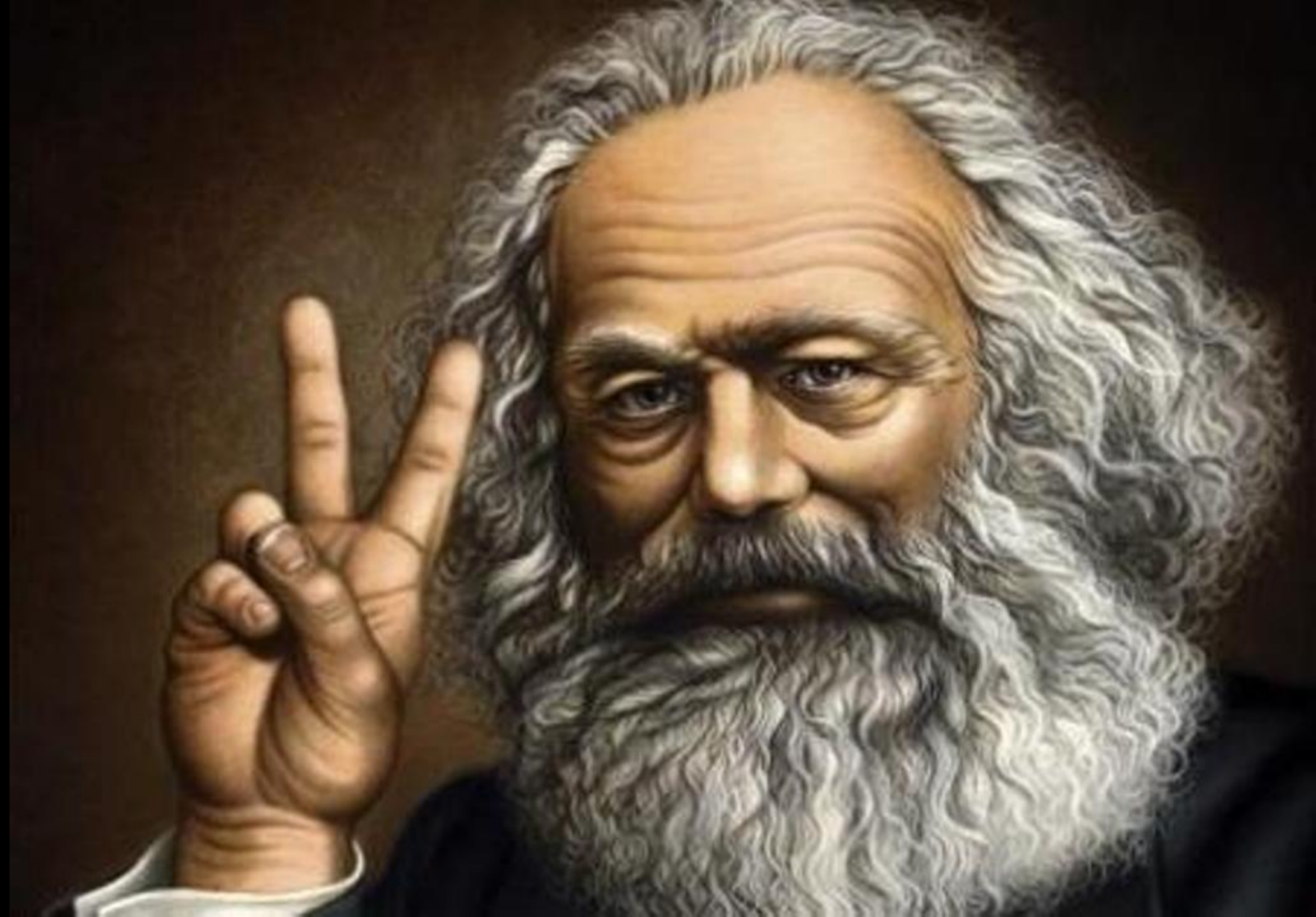
*Opetus- ja kulttuuriministeriön
julkaisuja 2014:1*



Kuvio 26. Työikäisen väestön koulutusrakenne 1970–2030

Angus Maddison: The World Economy: a Millennial Perspective









AJATTELU

NOPEASTI JA HITAASTI



DANIEL KAHNEMAN

Suomentanut
KIMMO PIETILÄINEN

Terra Cognita

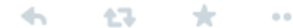


Carl Haglund ✓
@Calle_Haglund



Seurataan

@TimoHaapala TP - utva tietenkin tietoinen pohjoismaisen yhteistyön etenemisestä. Artikkelissa ei mitään uutta linjausta.



SUOSIKIT
5



15.51 - 10. huhtikuuta 2015



