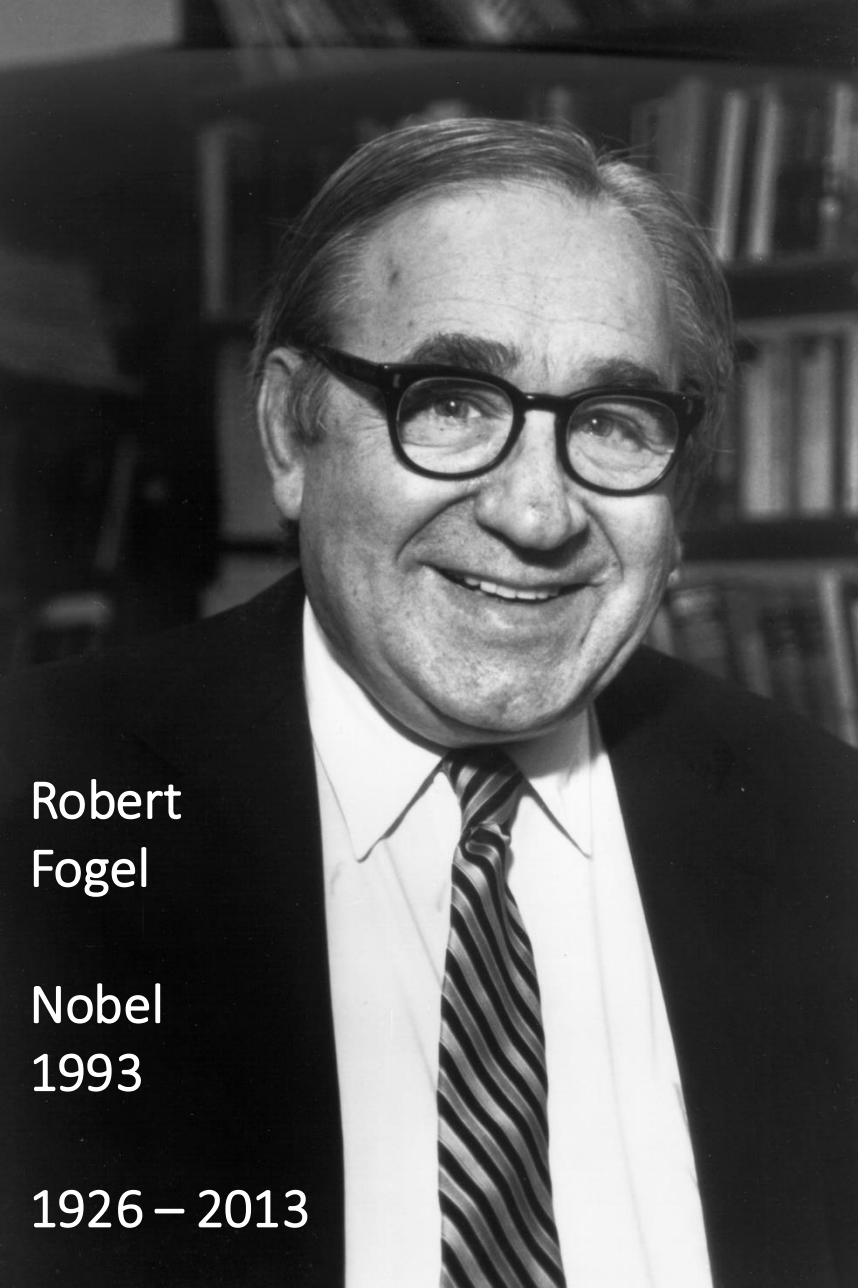


Tecnología e Innovación

¿dónde estamos?

- 1. ¿De dónde venimos?**
- 2. ¿A dónde vamos?**
- 3. Un momento histórico, que cambiará para siempre la Humanidad**
- 4. ¿Me acompañáis en un viaje?**

A black and white portrait photograph of Robert Fogel. He is a middle-aged man with dark hair, wearing black-rimmed glasses, a white collared shirt, and a dark striped tie. He is smiling slightly and looking towards the camera. The background is dark and out of focus.

Robert
Fogel

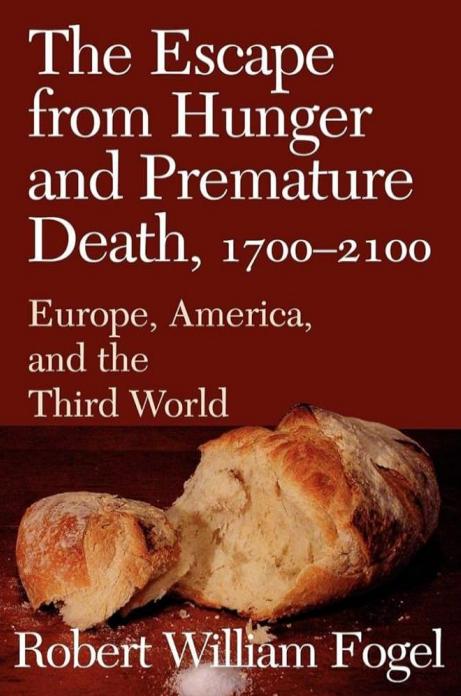
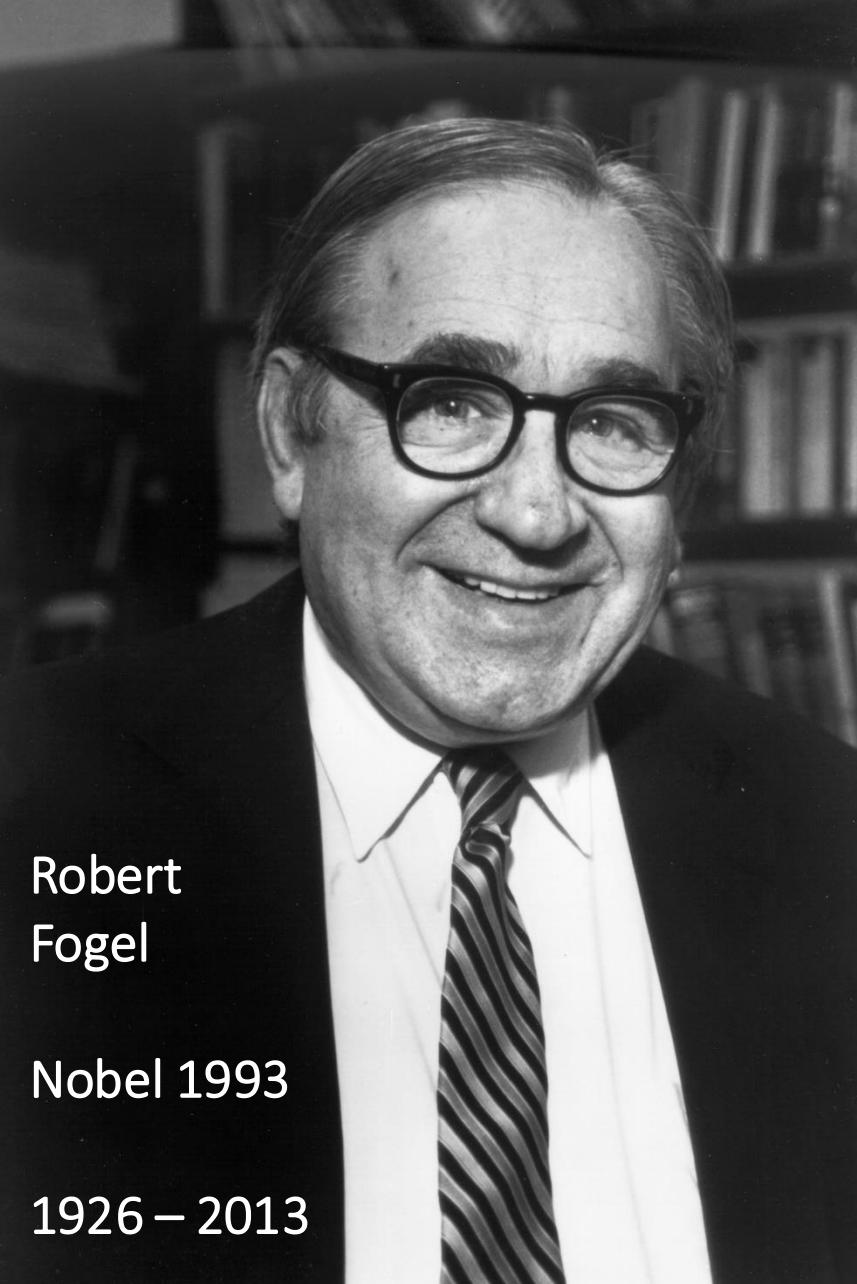
Nobel
1993

1926 – 2013

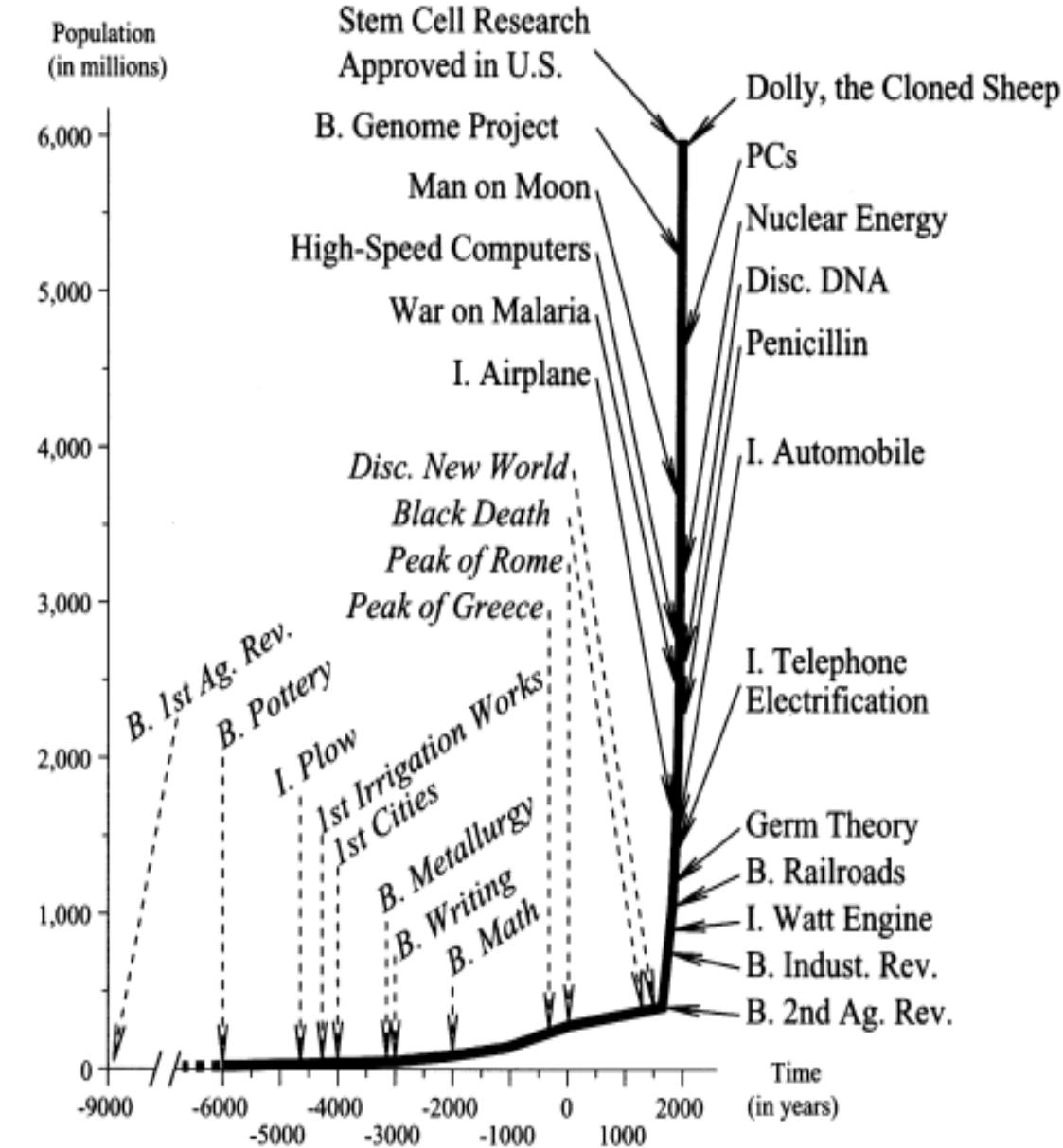
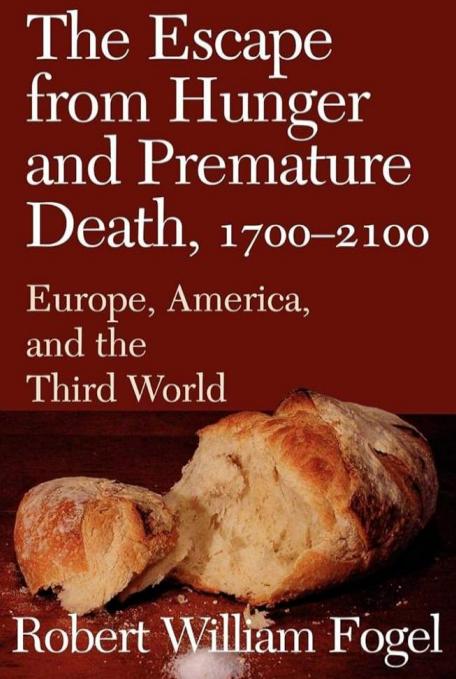
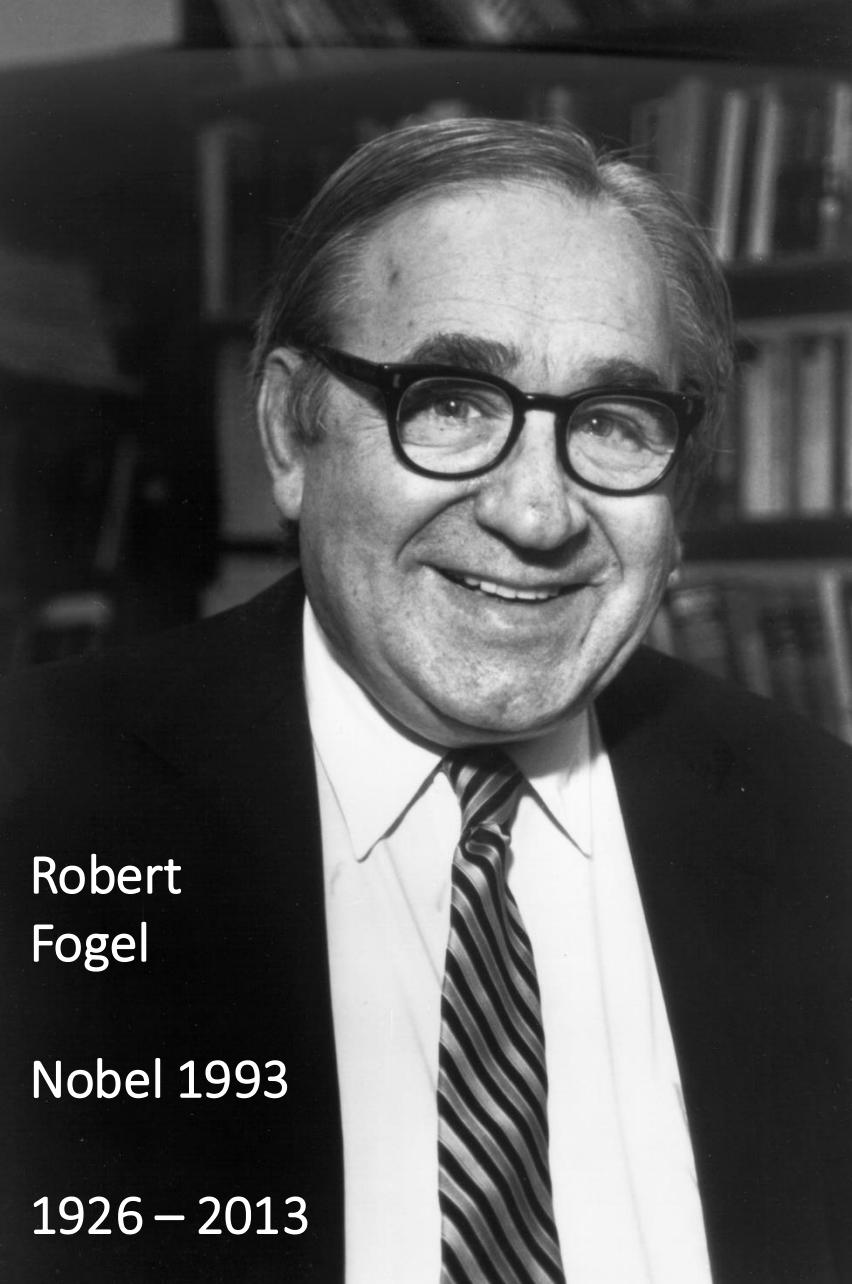
Robert
Fogel

Nobel 1993

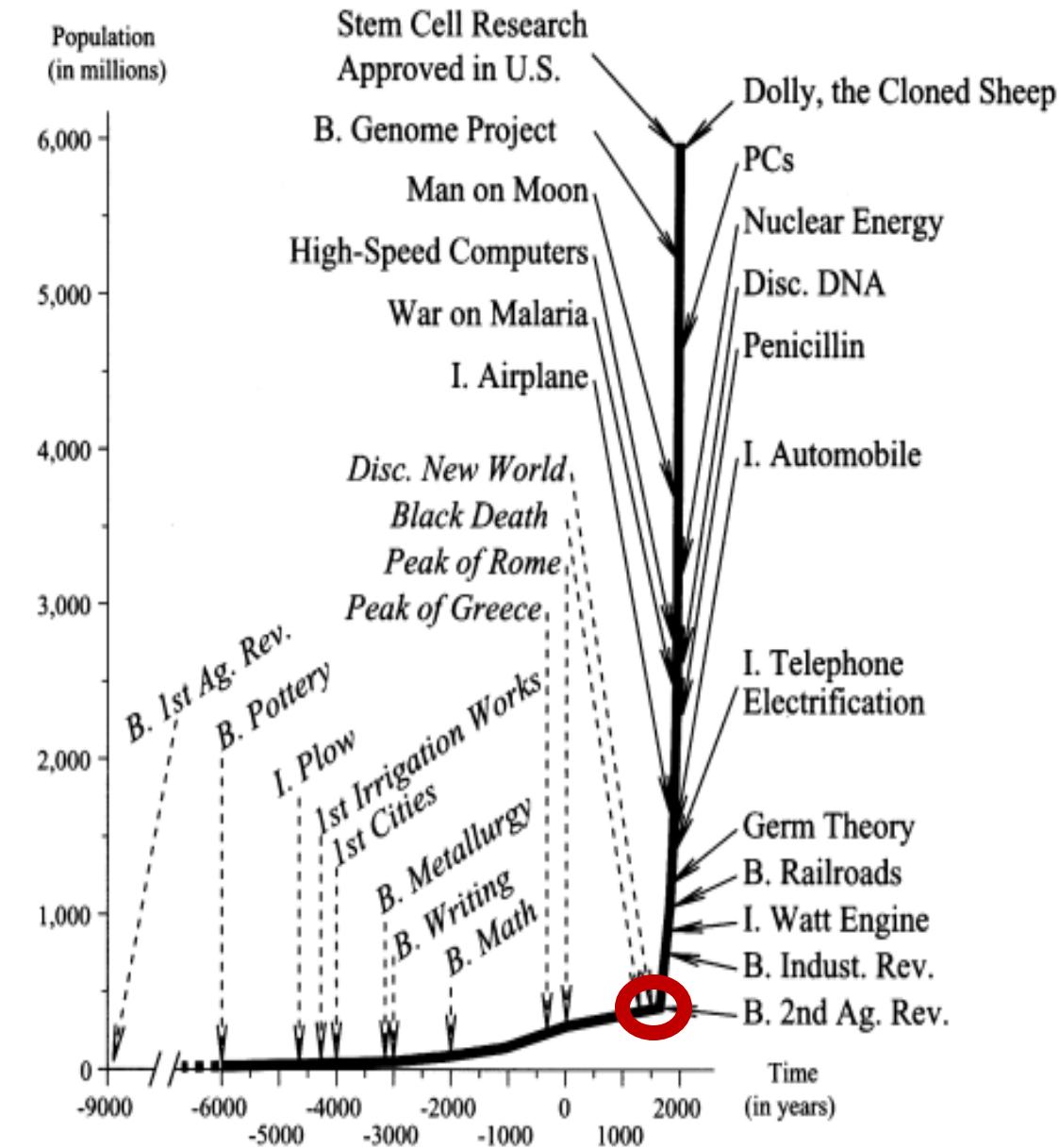
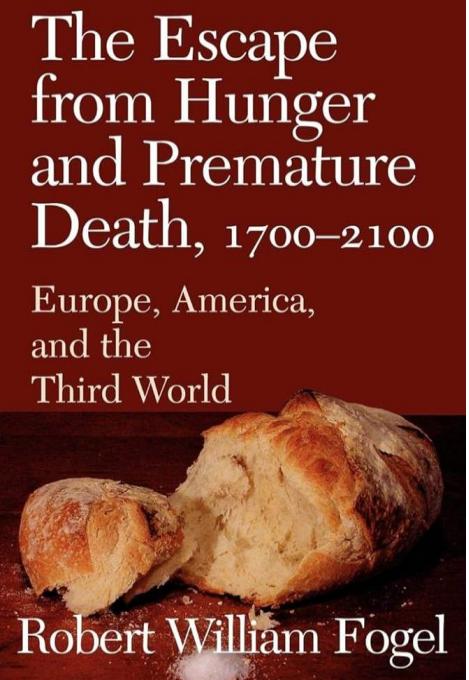
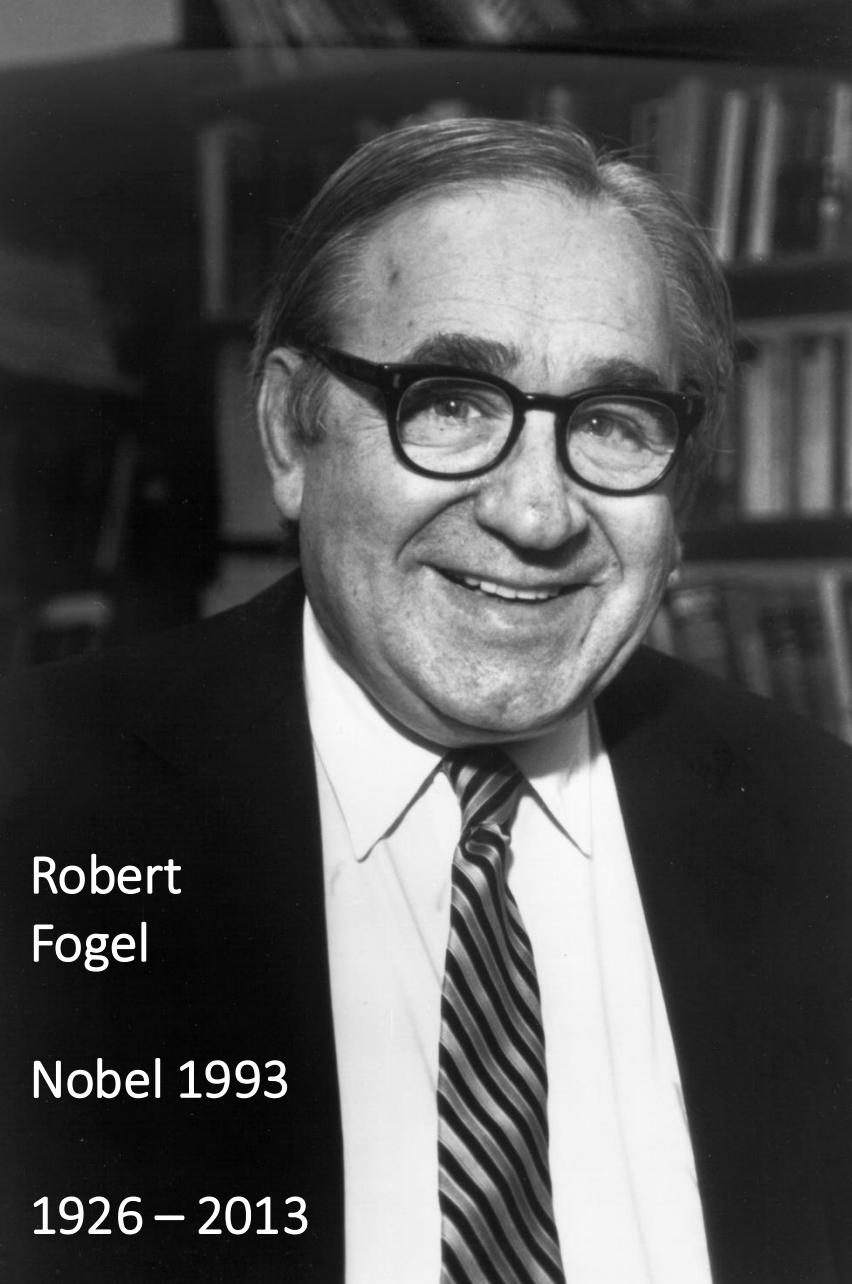
1926 – 2013



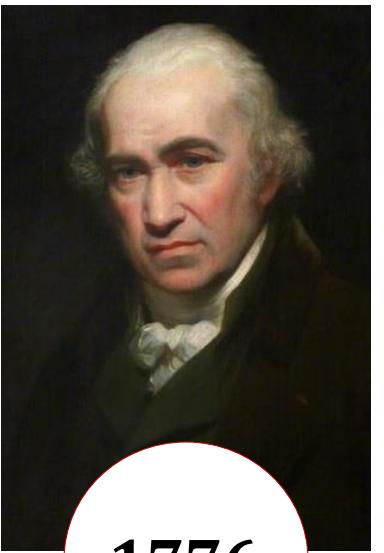
Robert
Fogel
Nobel 1993
1926 – 2013



Robert
Fogel
Nobel 1993
1926 – 2013



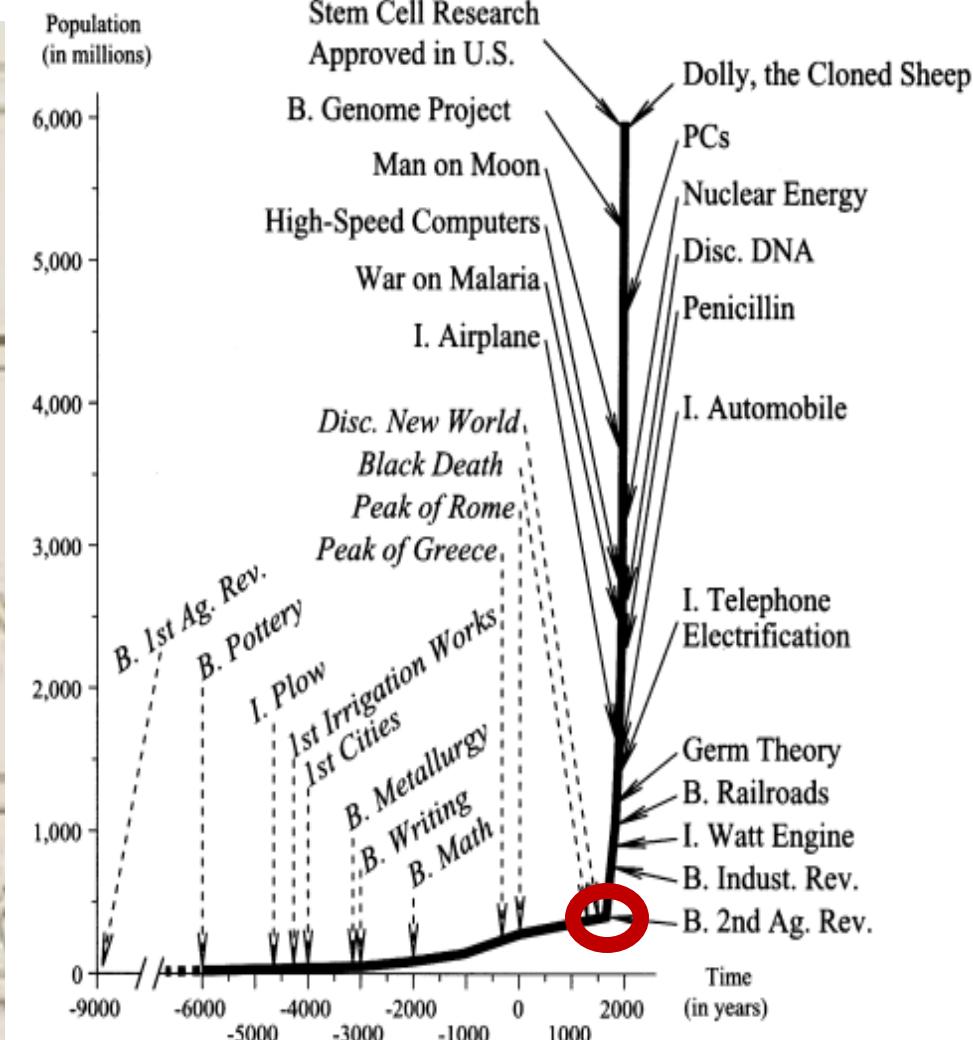
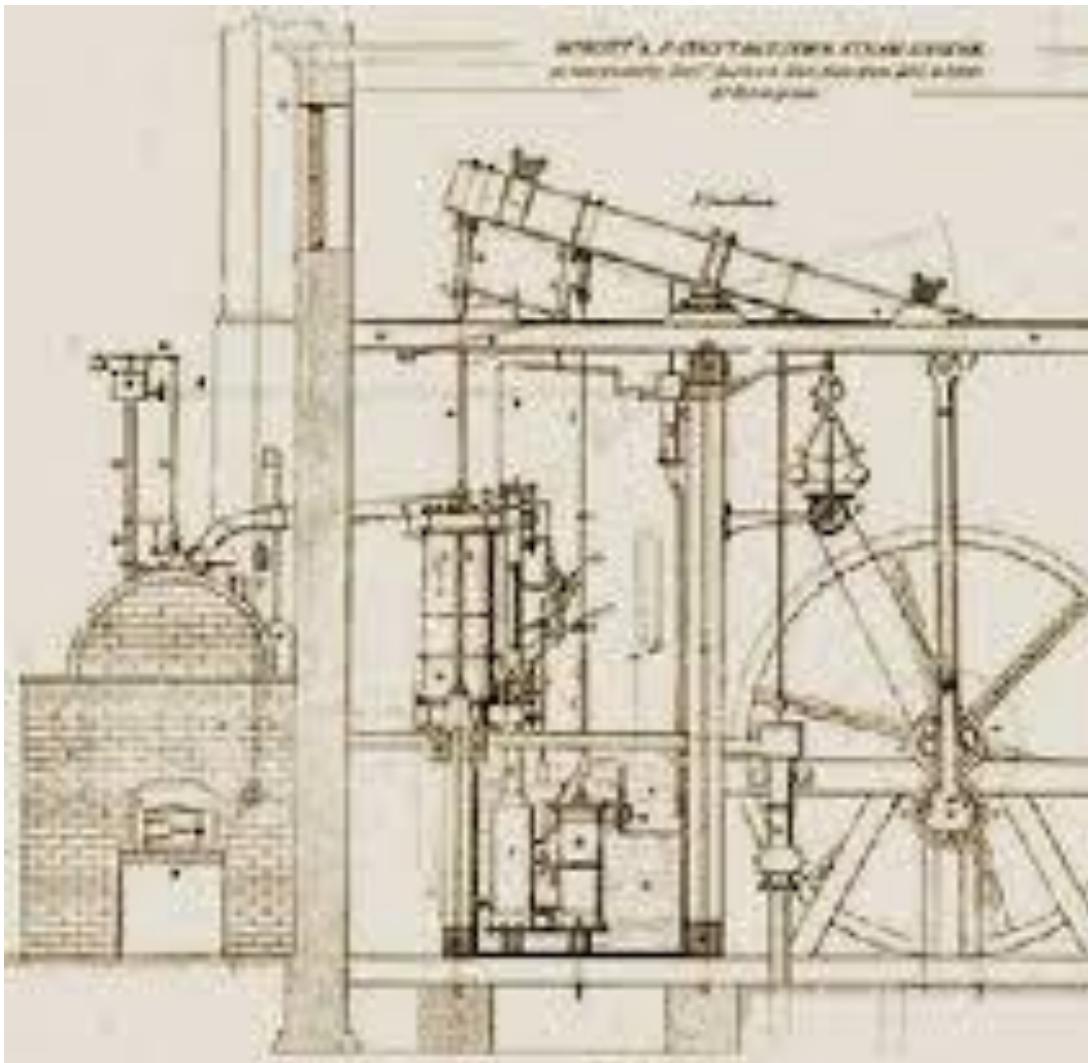
James Watt



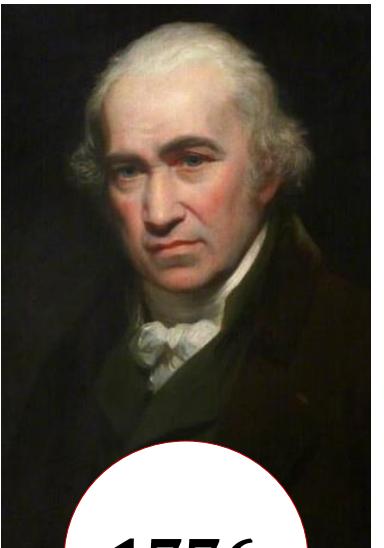
1776

process, a healthy boy about 12 years of age, was taken from a suppressed sore on the hand of a long Martin. He was inflicted by another long Martin, and converted into the dog of the year 1932, known as "the dog of the suppressed sore," and about three quarters of an inch long. On the 7th day he completed his course in the hole, lost his epithelium and had a soft tubercle.

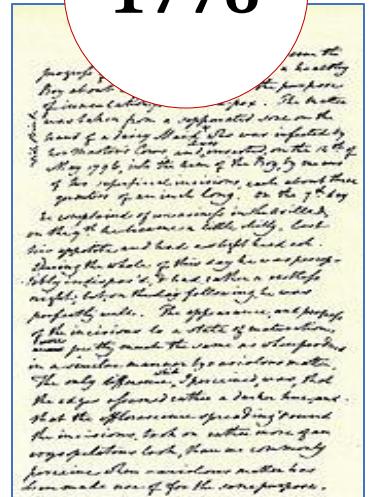
During the whole of this day he was perfectly independent of his tubercle following which he was perfectly well. The appearance and progress of the incision to a state of maturation, was pretty much the same as described in a similar manner by another author. The only difference, however, was that the edges of the cut were a darker brown, and that the ulcerous spreading round the incision, took on a rather more granular appearance, than is commonly perceived. Some ridiculous author has been made use of for the same purpose.



James Watt



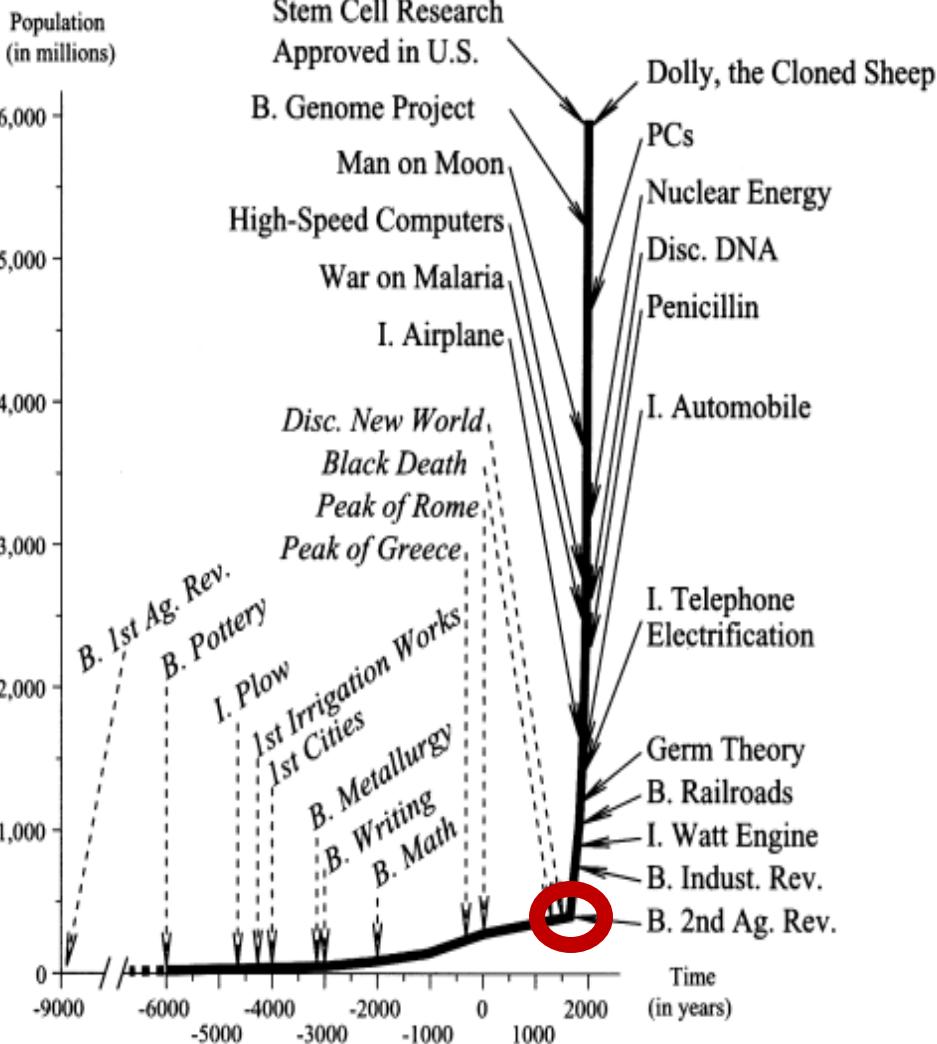
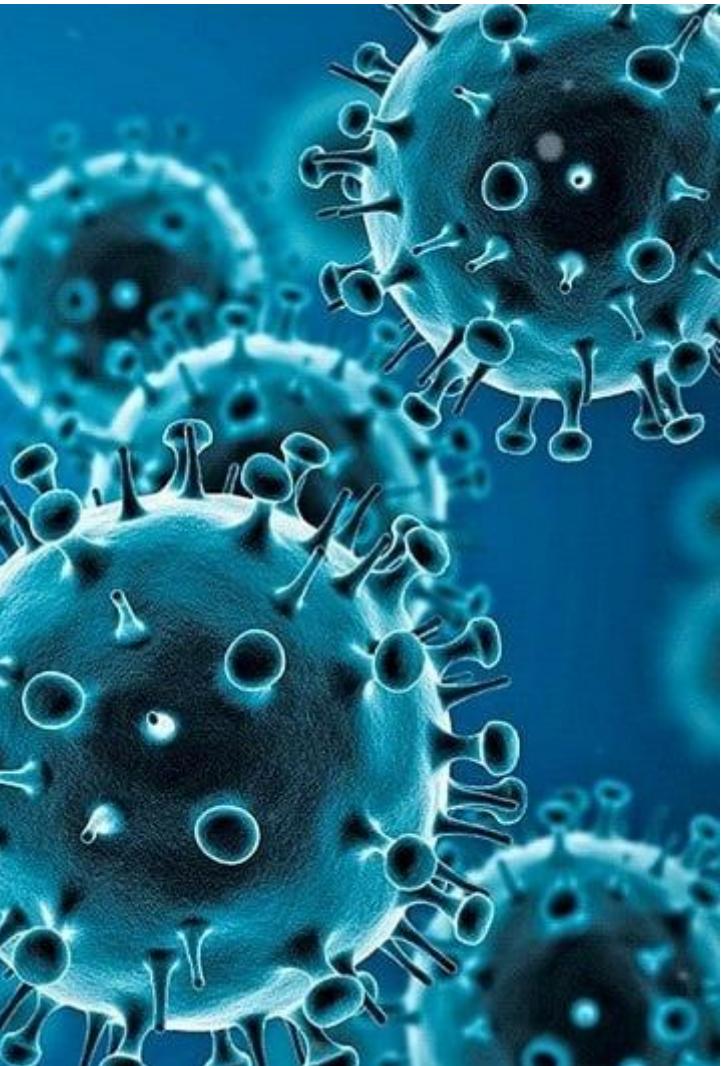
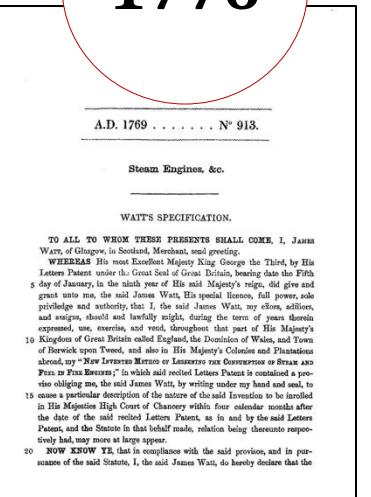
1776



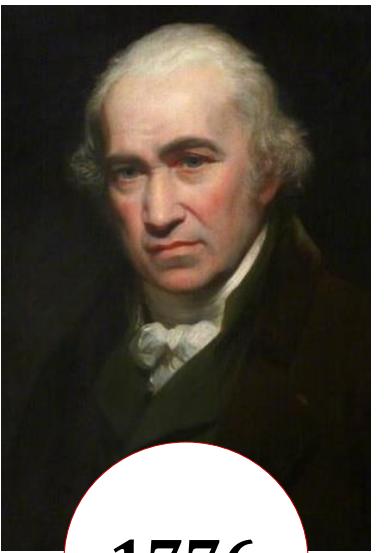
Edward Jenner



1776



James Watt



1776

1776

on the
hostile
frontier

fragments
of a short
time ago.
A few days later, a company was sent to the head of a long branch which was infested by the Indians. They were sent on the 10th of May 1776, and the men of the Regt. by reason of their untrained condition, made about three quarters of a mile long. On the 17th day they were engaged in skirmishing with the Indians, and had little success, lost two officers and had one left dead.

During the whole of this day it was very cold, and the Indians had a victory at night, when Friday following, he was perfectly naked. The appearance and progress of the incursions to a state of destruction, and partly made the same as described in a similar manner by General Wayne. The only difference General Wayne said the Indians made either a dark line, and that the appearance spreading toward the incursions took on either more or less a congegation look, than an ordinary foreseen. An audience neither has learned nor of the consequence.

Edward Jenner



1776

A.D. 1769 N° 913.

Steam Engines, &c.

WATT'S SPECIFICATION.

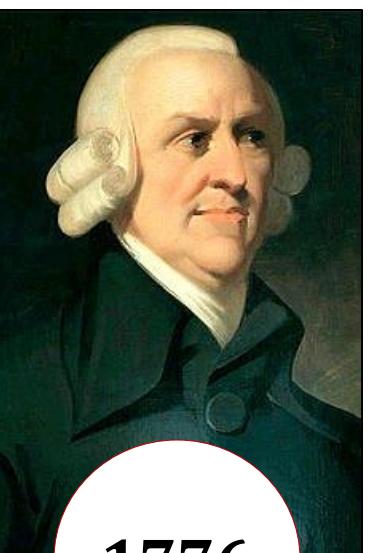
TO ALL TO WHOM THESE PRESENTS SHALL COME, I,
Watt, of Glasgow, in Scotland, Merchant, send greeting:

WHEREAS I have most Excellent Majesties Royal Letters Patent under the Great Seal of Great Britain, bearing date this 5 day of January, in the ninth year of His said Majestys reign, did grant unto me, the said James Watt, His special Fonce, full power
privileedge and authority, that I, the said James Watt, my executors and Assignees, might and may during the term of one year express my, exercice and have and to have, all and singular the Inventions, Improvements, and Discoveries which shall hereafter occur to me, in the said Fonce, and in every part of His Majestys Dominions, or of any other Country or Countries, as well within as without the same, and in every Part of the Kingdom of Great Britain called England, the Dominion of Wales, and the City of Berwick upon Tweed, and also in His Majestys Colonies and Plantations, and in all other Countries where His Majestys Subjects may alredy be, or hereafter may be, and in which ever Part of the same, or in any other Part of the Earth, where the same may be or hereafter may be, and in which and wheresoever the same may be used, practised, or applied, or in any Way or Manner whatsoever oblige me, the said James Watt, by writing under my hand and Seale, or otherwise;

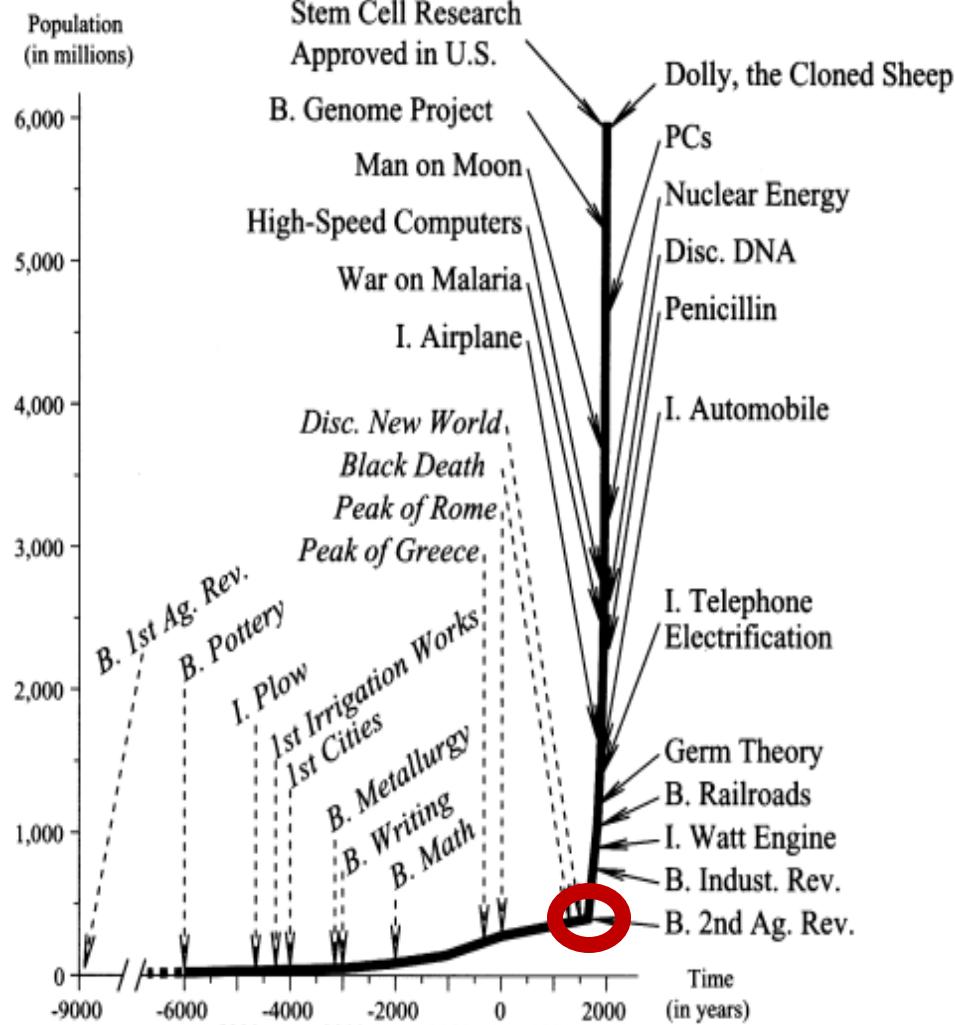
19 and cause a particular description of the nature of the said Invention to be made in His Majesties High Court of Chancery within four calendar months from the date of the said recited Letters Patent, as in or before the said Patent Office, and to make and declare, relating thereto, shewings and may have a large appear-

20 and KNOW YE that in consequence of the said provision, and of the nature of the said Statute, I, the said James Watt, do hereby declare

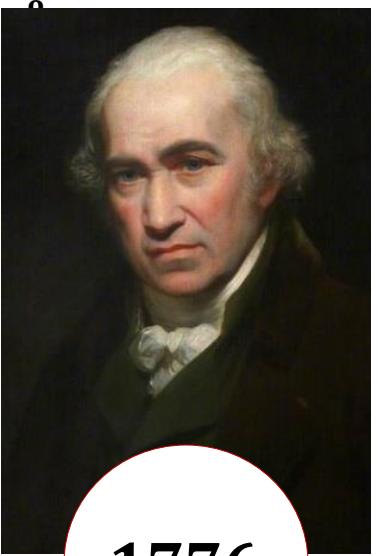
Adam Smith



1776



James Watt



1776

Edward Jenner



1776

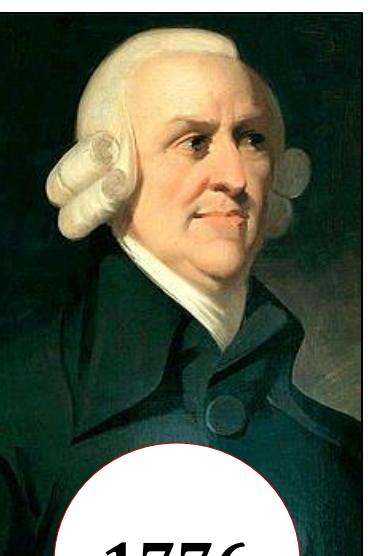
A.D. 1769 N° 9
Steam Engines, &c.

WATT'S SPECIFICATION.

ALL TO WHOM THESE PRESENTS SHALL COME, I, JAMES OF Glasgow, in Scotland, Merchant, seal greeting.

I, James of Glasgow, Major General in the King's Army, The Third, by his Commission under the Great Seal of Great Britain, bearing date the Fifth day of January, in the ninth year of His said Majesty's reign, did give and unto me, the said James Watt, His special Honour, full power, sole authority and authority, that I, the said James Watt, my executors, trustees and successors, and lawful heirs, during the term of years therein mentioned, and for ever thereafter, in all parts of His Majesty's dominions of Great Britain, and England, the Dominion of Wales, the Towns upon Tweed, and also in His Majesty's Colonies and Plantations in America, in which said Letters Patent is contained or contained a pro-
perty in the Island of Jersey, with all my heritable and moveable seals, to a particular description of the island of Jersey, and the same to be held of His Majesties High Court of Chancery with four calendar months after-
ward of the said recited Letters Patent, as in and by the said Letters
and, in the Statute that behid made, relation being thereunto respon-
d, more at large appear.

Adam Smith



1776

I THE Y

Nature and Causes
OF THE
WEALTH OF NATIONS.

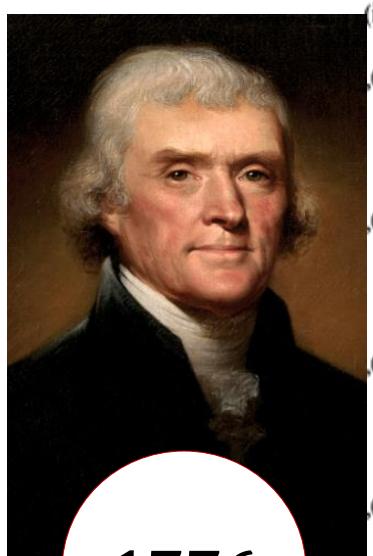
By ADAM SMITH, LL. D. and F. R. S.
Formerly Professor of Moral Philosophy in the University of Glasgow.

IN TWO VOLUMES.
VOL. I.

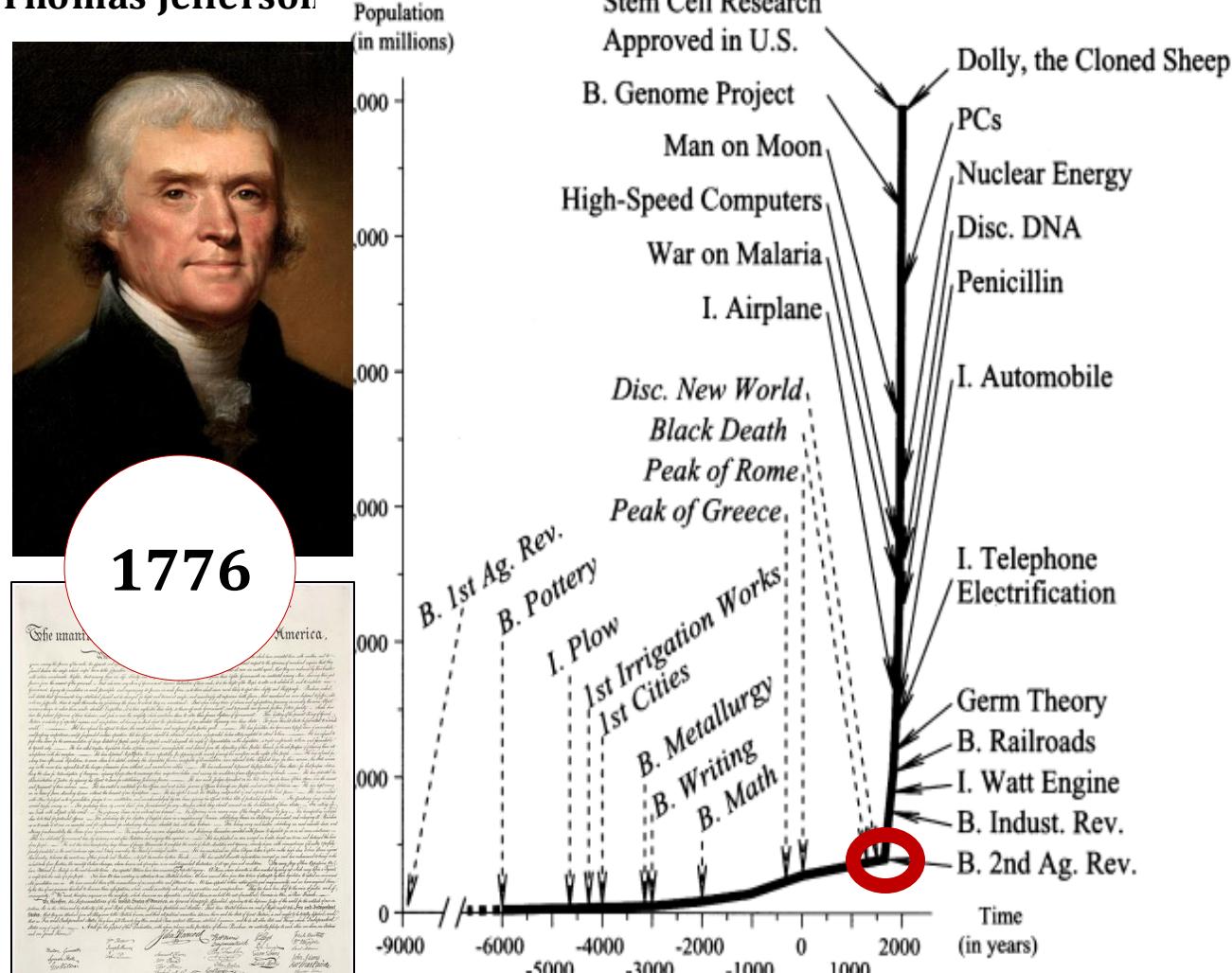
LONDON:

PRINTED FOR W. STRAHAAN; AND T. CADELL, IN THE STRAND,
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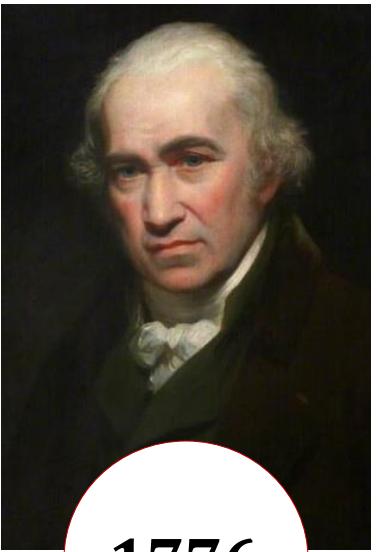
Thomas Jefferson



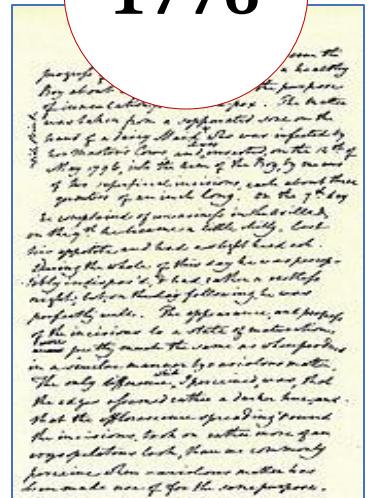
1776



James Watt



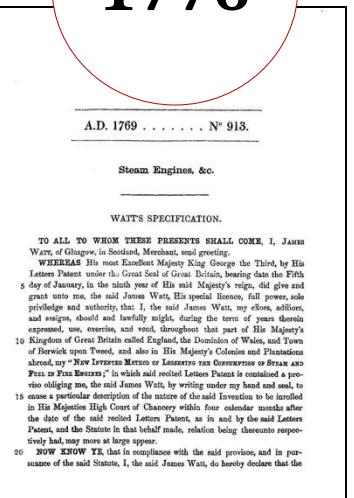
1776



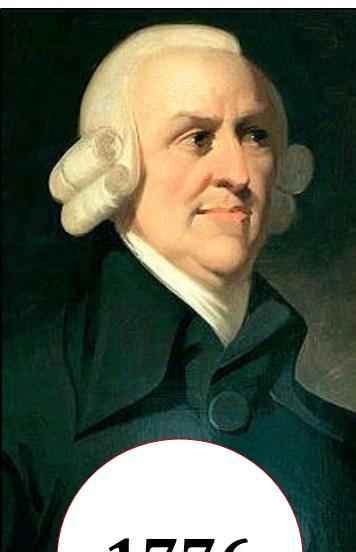
Edward Jenner



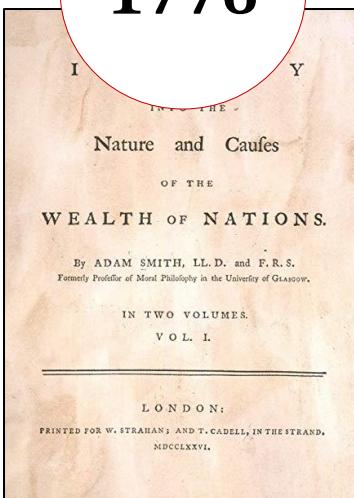
1776



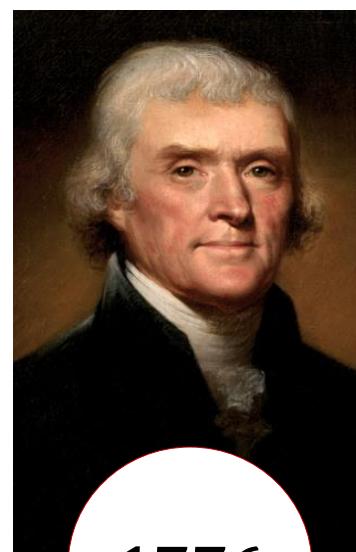
Adam Smith



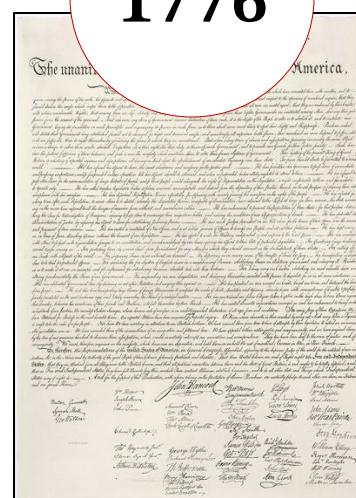
1776



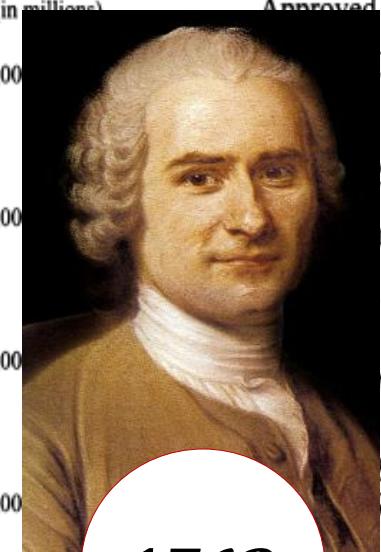
Thomas Jefferson



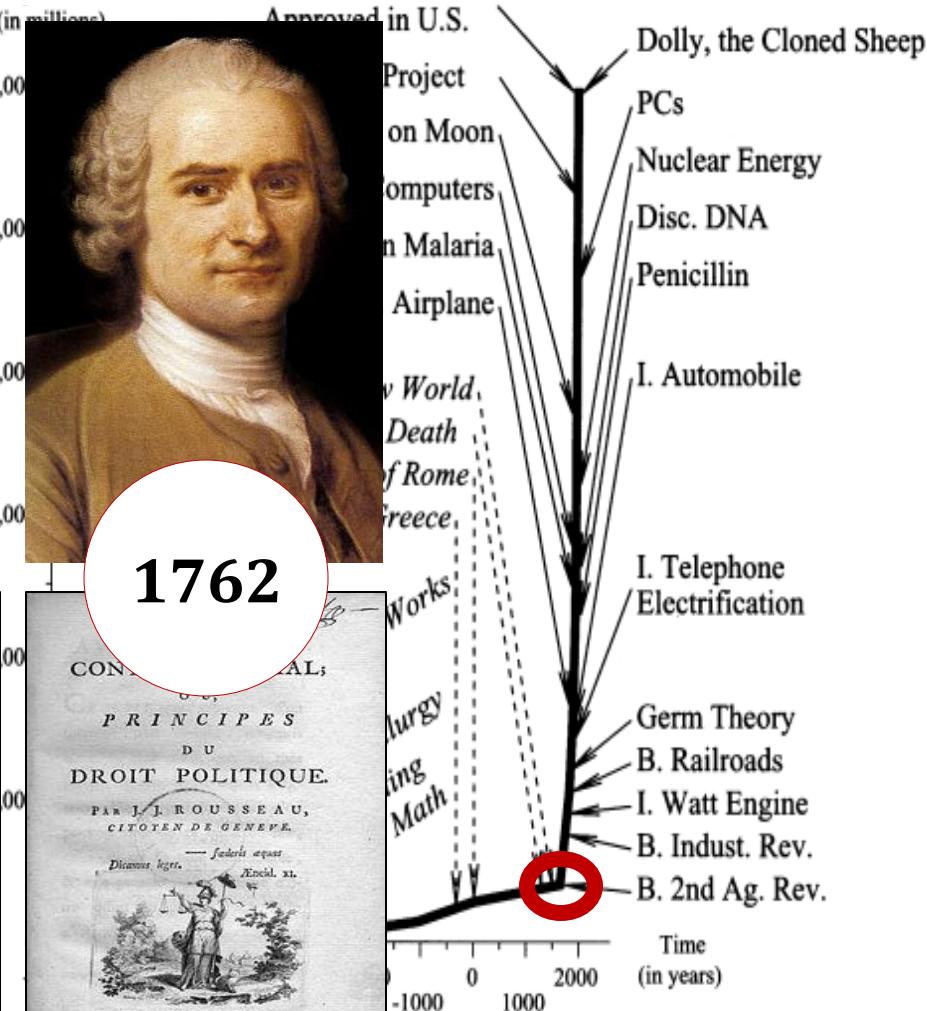
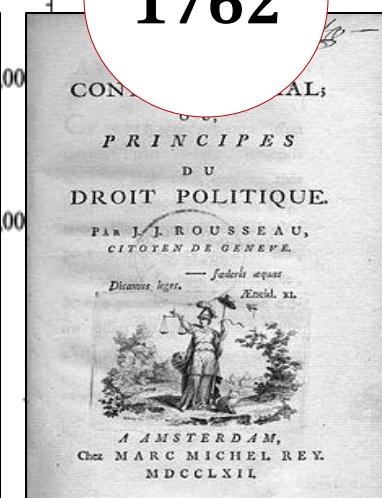
1776



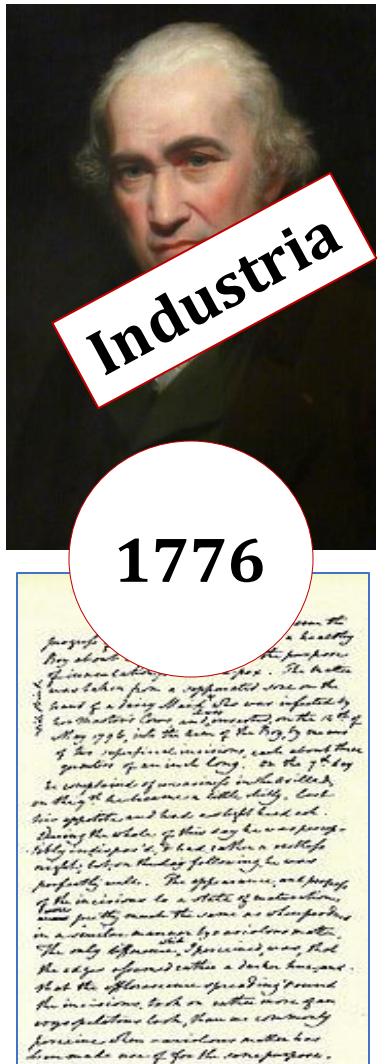
Jean-Jacques Rousseau



1762



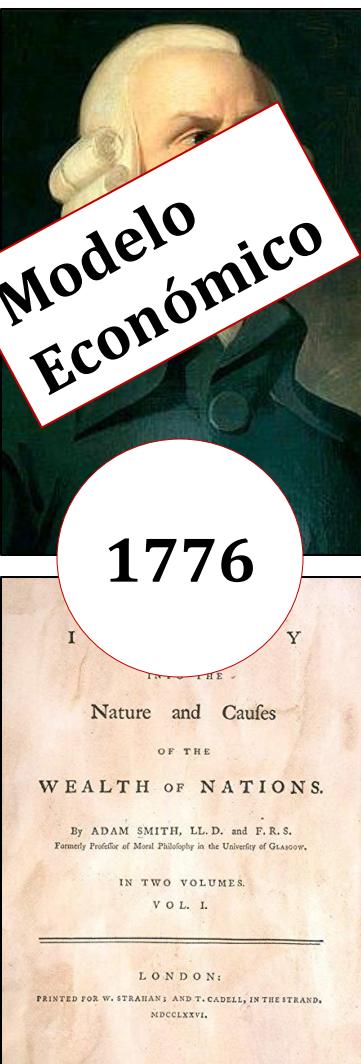
James Watt



Edward Jenner



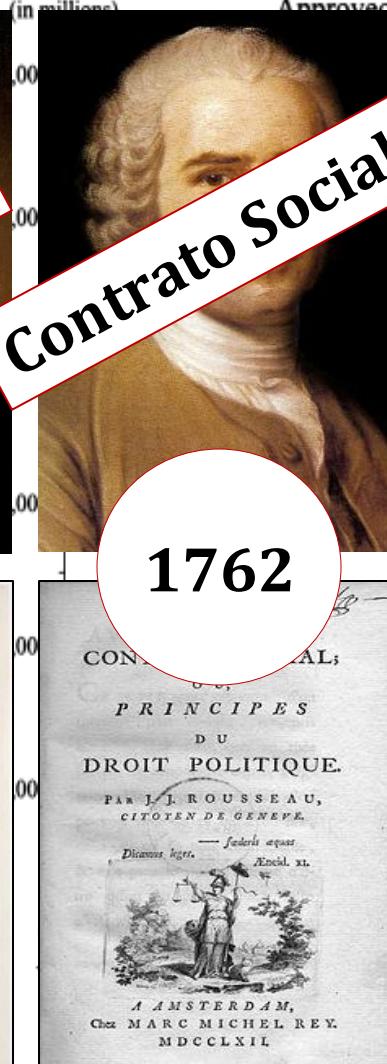
Adam Smith



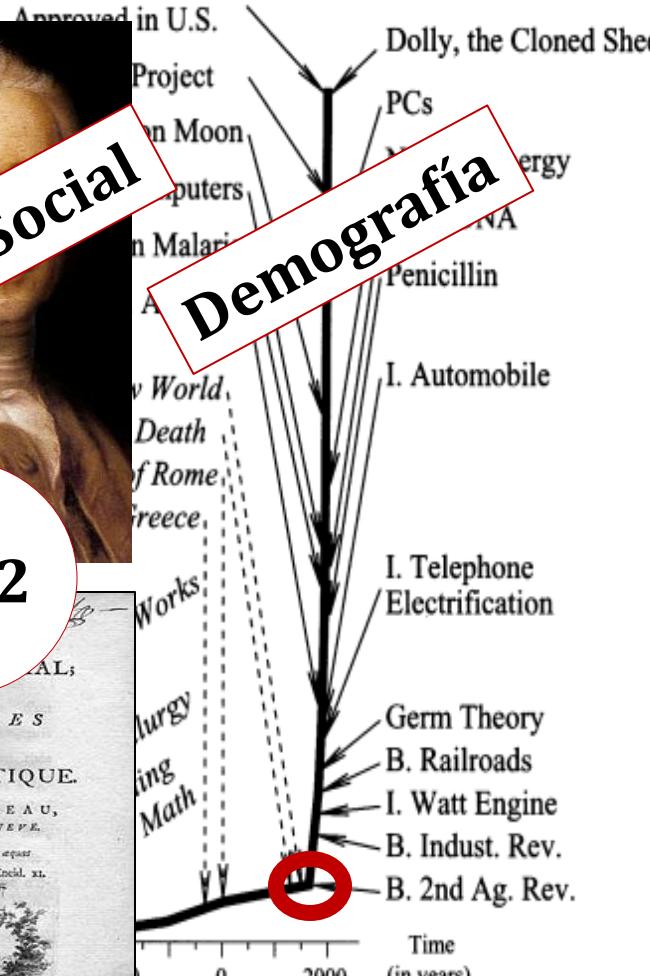
Thomas Jefferson



Jean-Jacques Rousseau



(in millions)



SIXTH WAVE

FIFTH WAVE

FOURTH WAVE

THIRD WAVE

SECOND WAVE

FIRST WAVE

1400

Siglos XV – XVI Renacimiento

Siglo XVII Revolución Científica

Siglo XVIII Ilustración

Revolución



60 YEARS

55 YEARS

50 YEARS

40 YEARS

30 YEARS

25 YEARS

1785

1845

1900

1950

1990

2020

Water power

Textiles

Iron

Steam power

Rail

Steel

Electricity

Chemicals

Internal-combustion engine

Petrochemicals

Electronics

Aviation

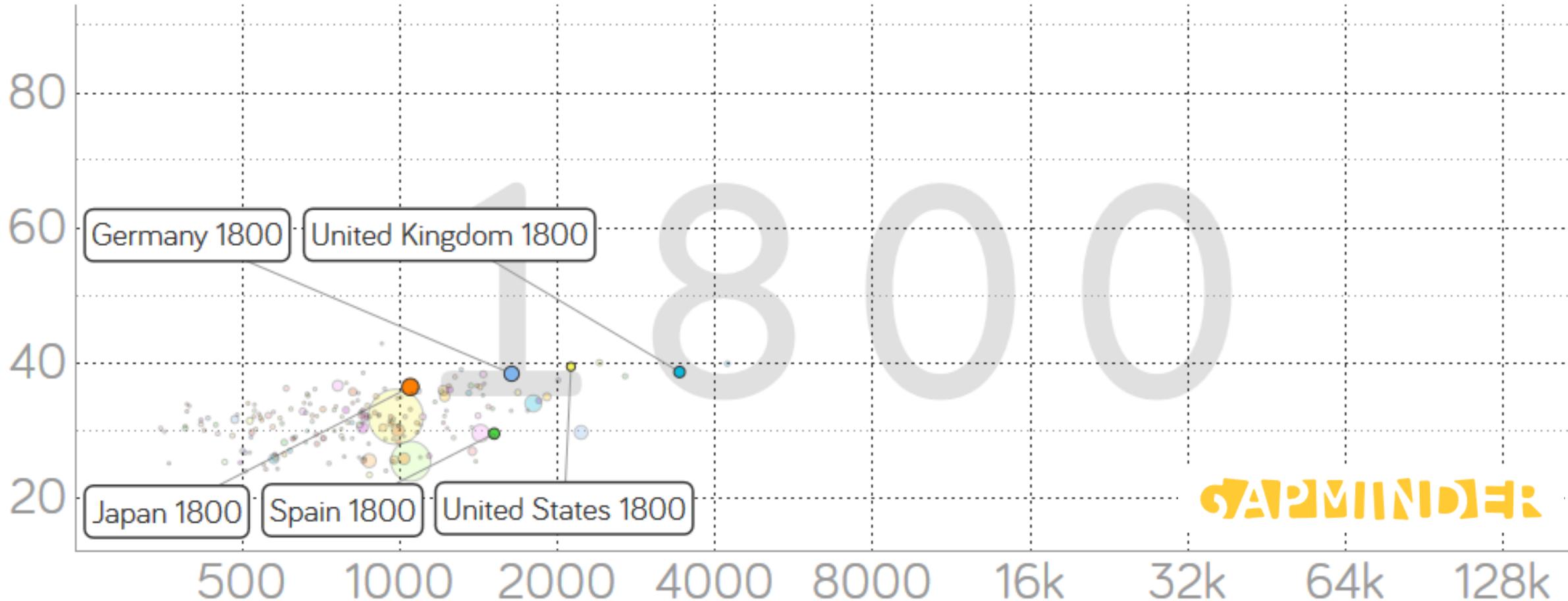
Digital network

Software

New media

- AI & IoT
- Robots & drones
- Clean tech

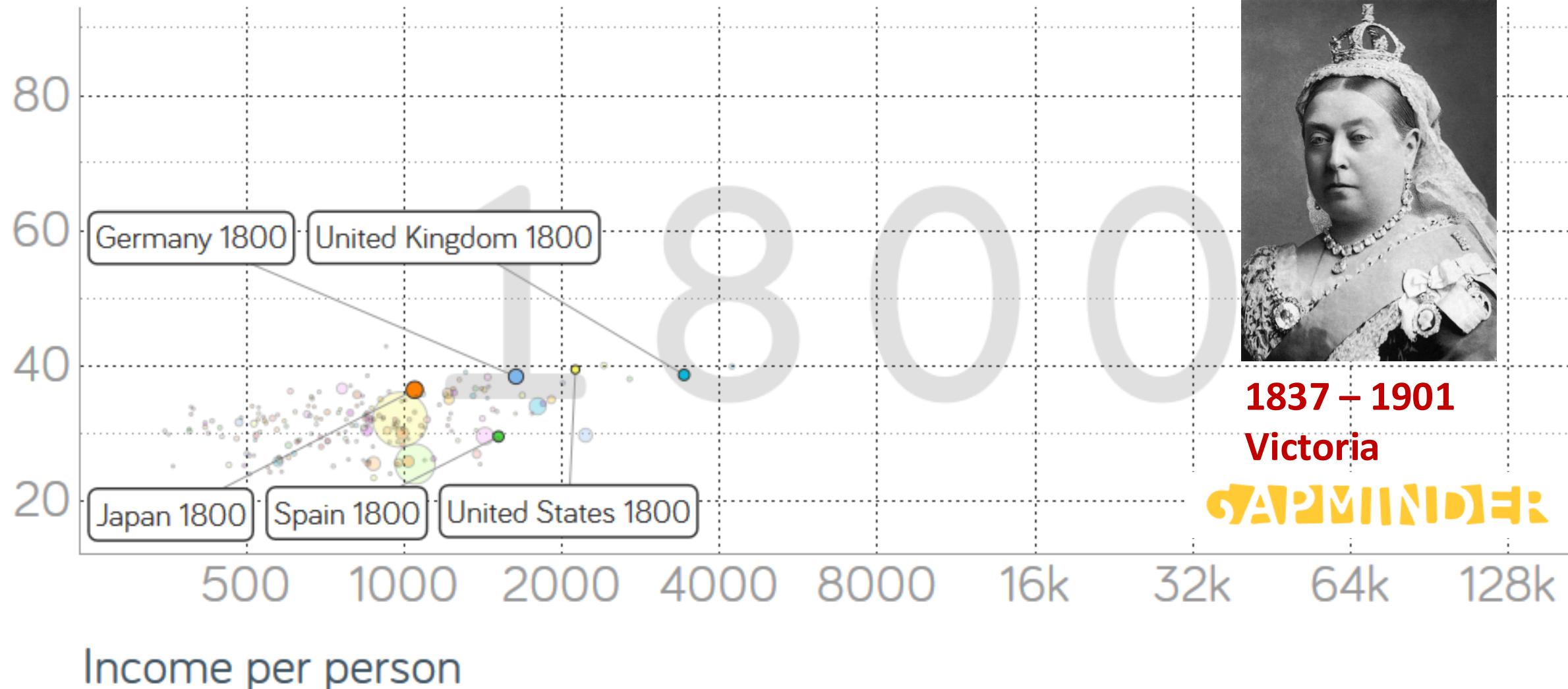
Life expectancy, years



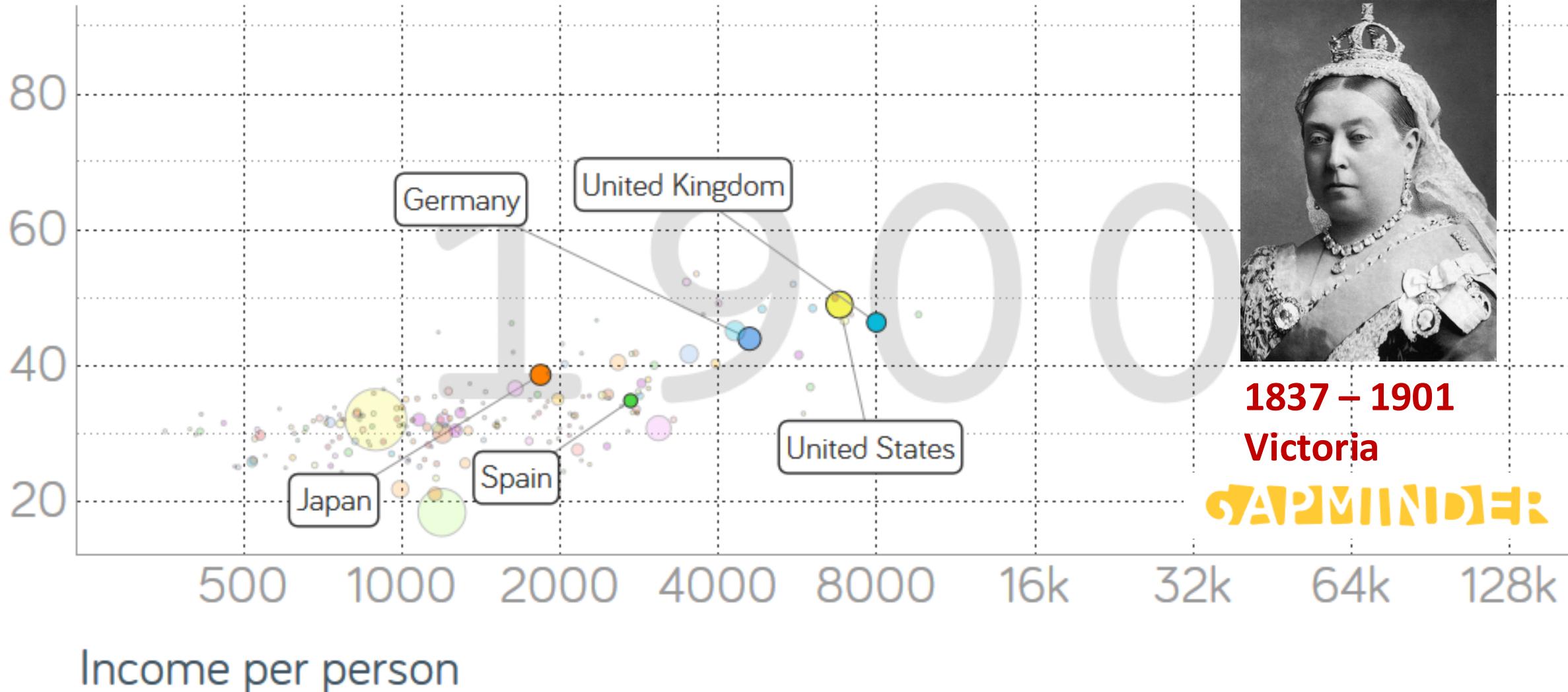
GAPMINDER

Income per person

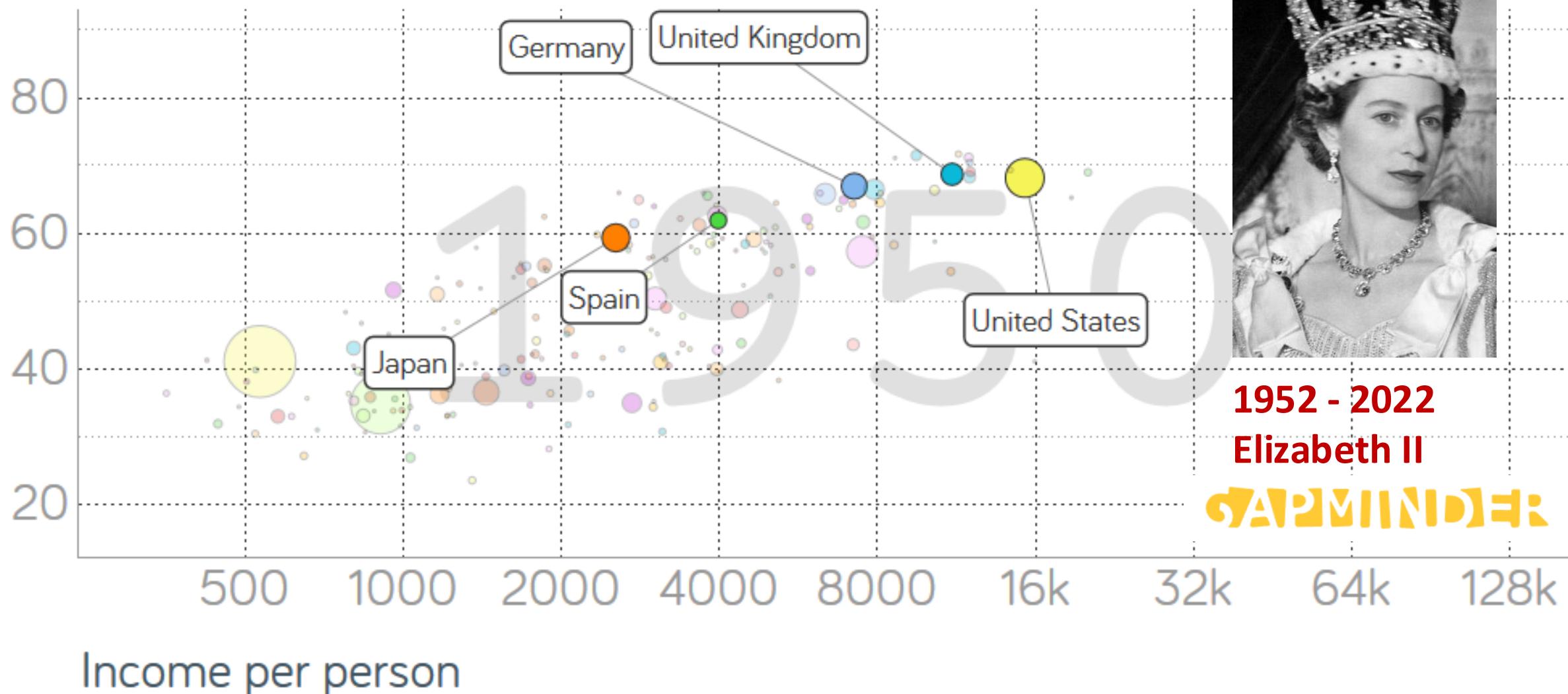
Life expectancy, years



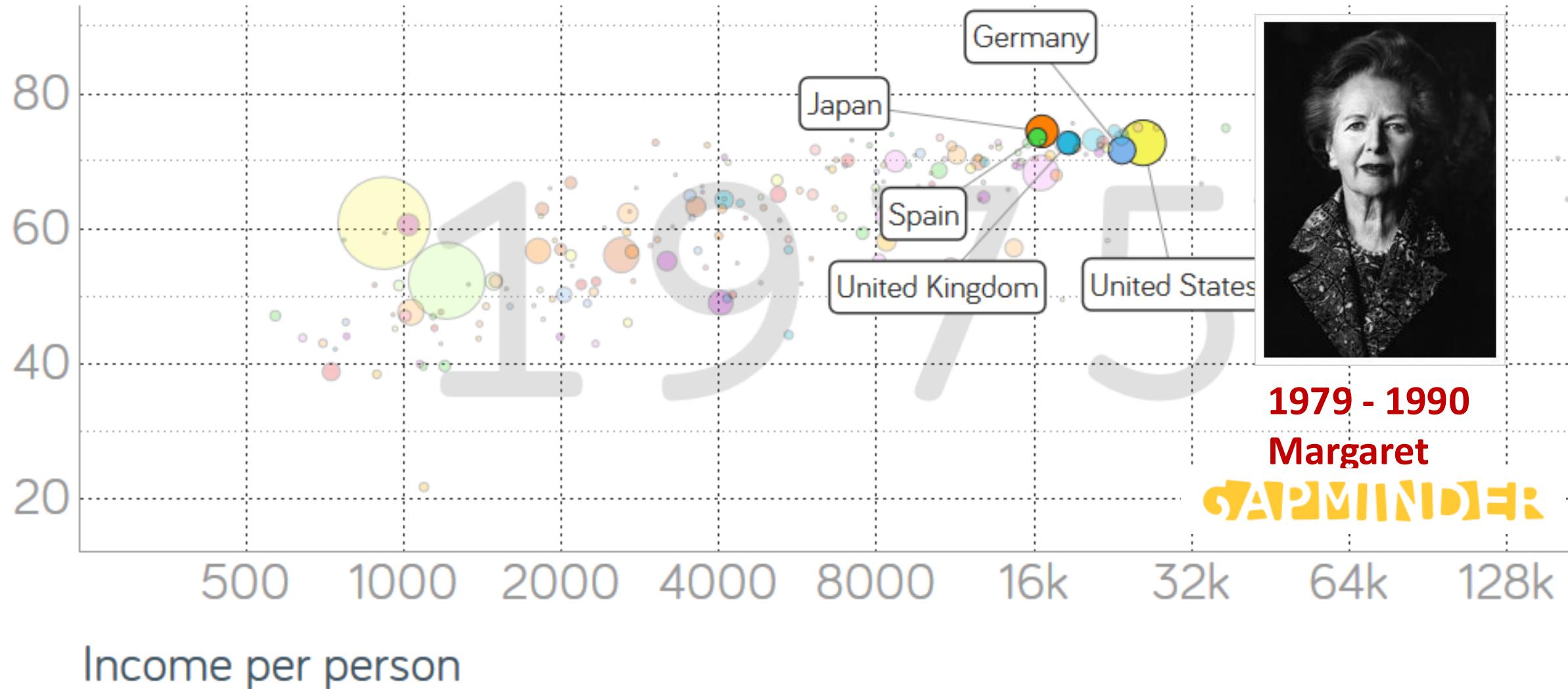
Life expectancy, years



Life expectancy, years



Life expectancy, years





"The best industrial policy is none at all"

Nobel Price Gary Becker, 1985

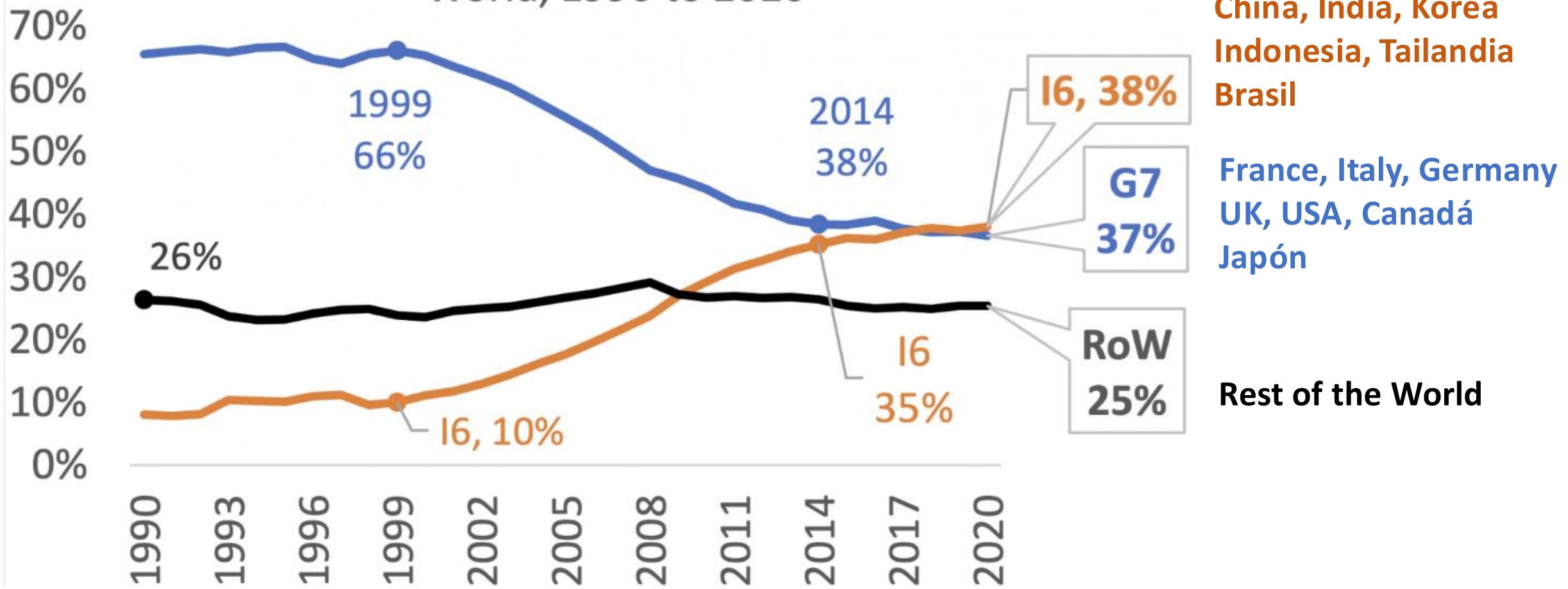


"Whether manufactured by black, white, brown or yellow hands, a widget remains a widget - and it will be bought anywhere if the price and quality are right."

The market is a more powerful and more reliable liberating force than government can ever be."

Margaret Thatcher (Statecraft, 2002)

Share of world manufacturing GDP, G7, I6 & Rest of World, 1990 to 2020



Our Purpose

Our brand

In the world

Our business

Organization

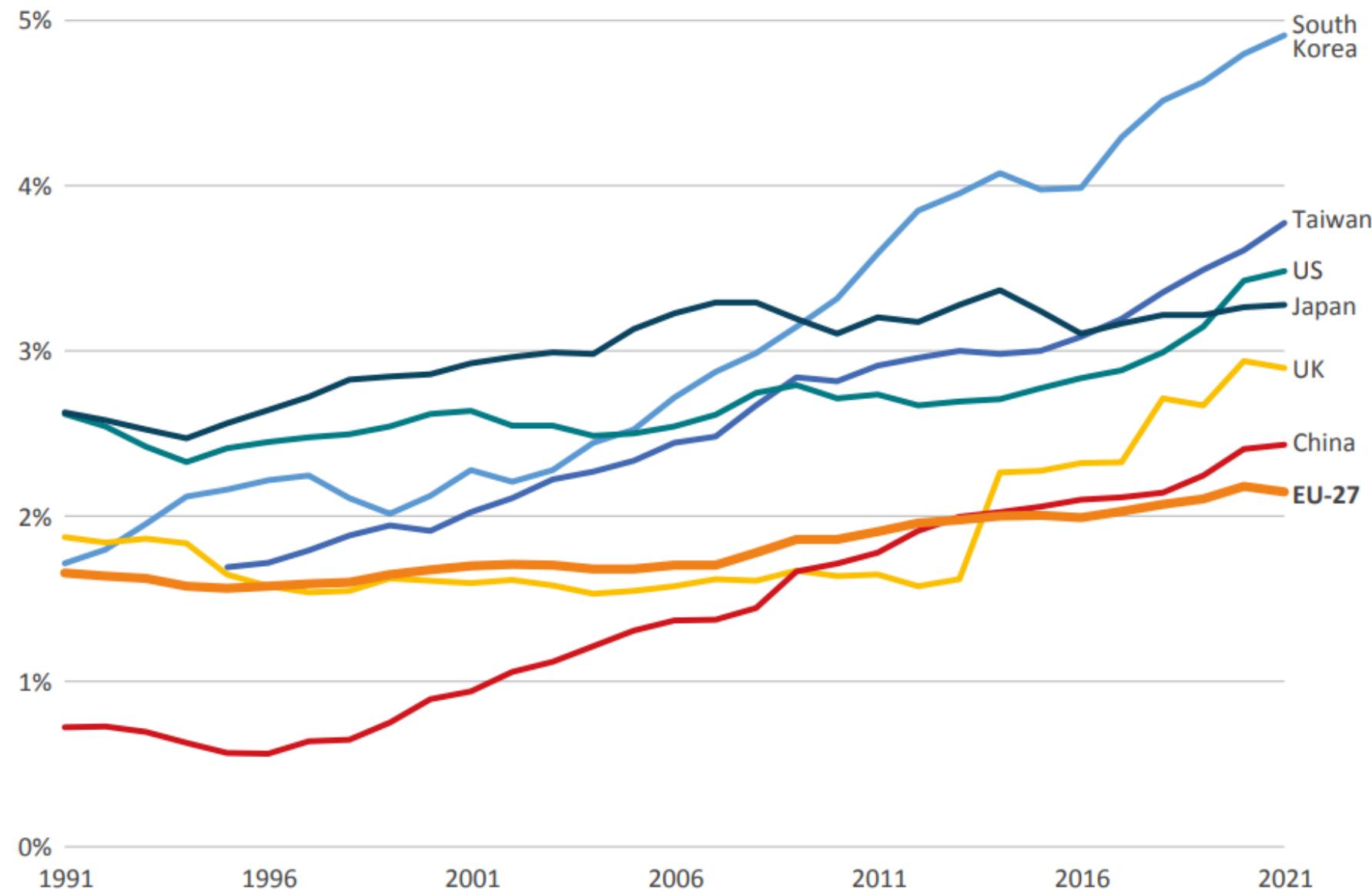
At a glance

Strategic Plan 2024–2026

ECONOMY | 10.18.2024

Draghi and Letta: Two strategies to tackle the EU's competitive lag





1. ¿De dónde venimos?

2. ¿A dónde vamos?

3. Un momento histórico, que cambiará para siempre la Humanidad

4. ¿Me acompañáis en un viaje?



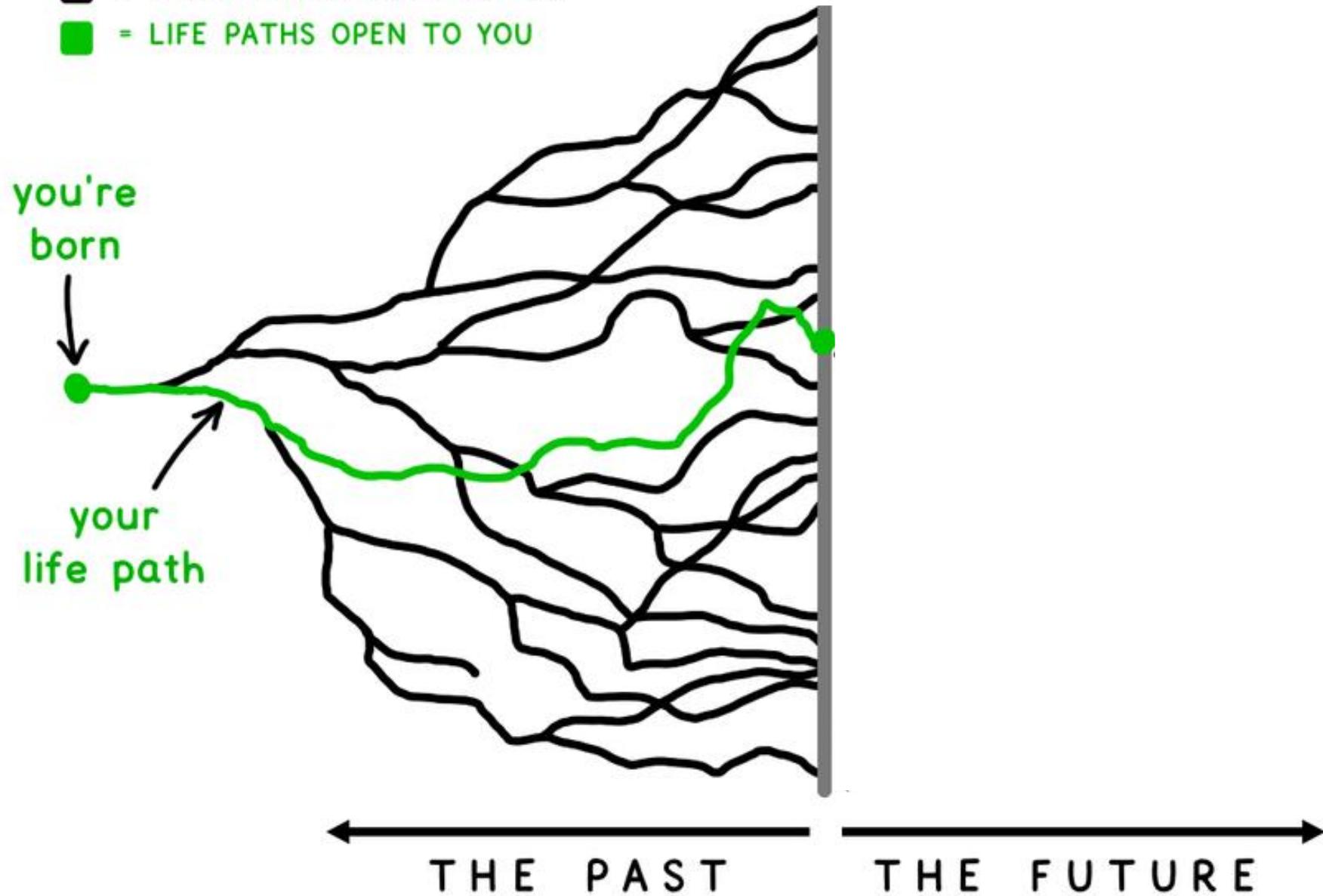
La vida es una serie de colisiones con el futuro; no es la suma de lo que hemos sido, sino lo que anhelamos ser.

José Ortega y Gasset



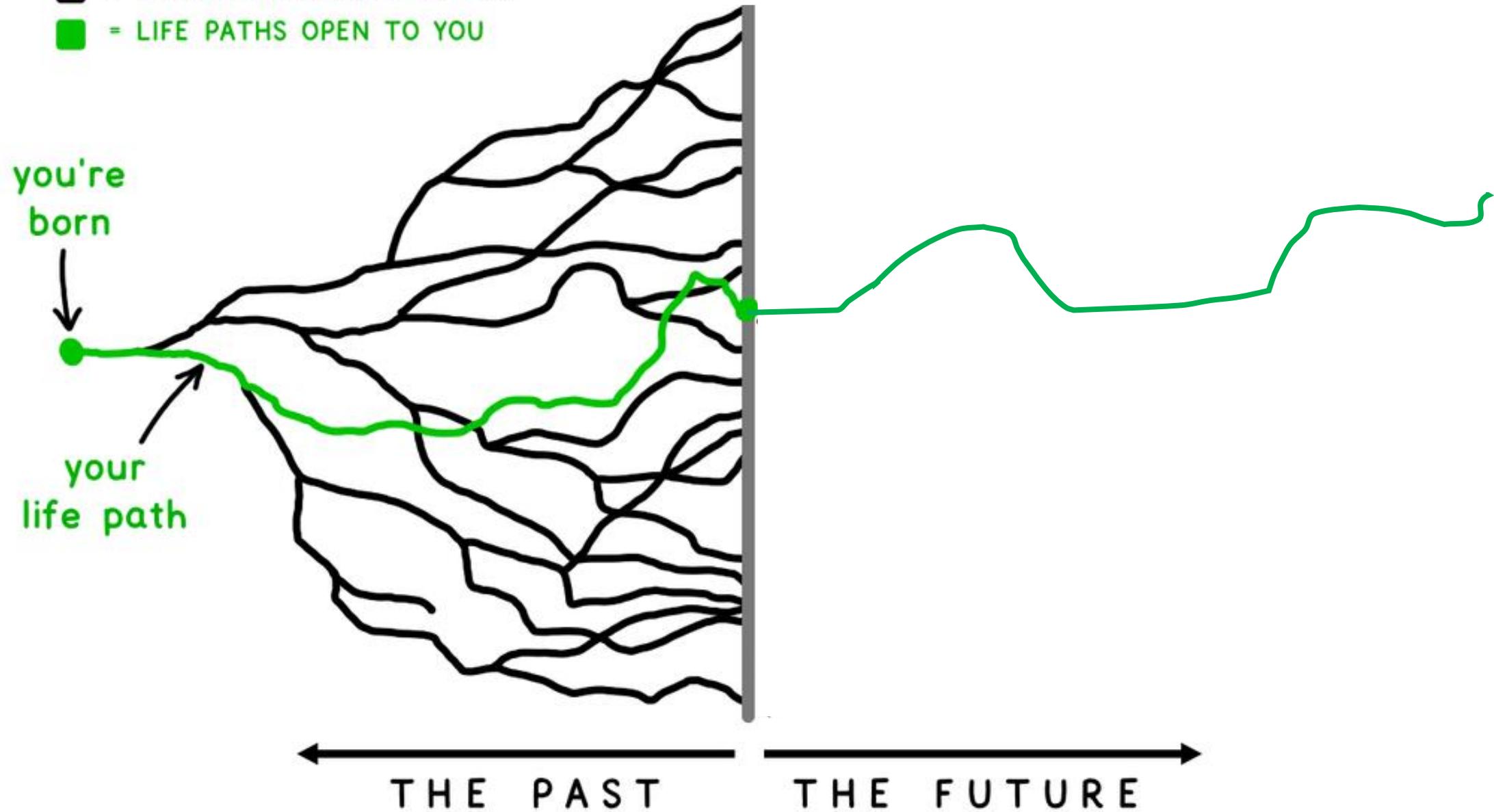
KEY

- = LIFE PATHS CLOSED TO YOU
- = LIFE PATHS OPEN TO YOU



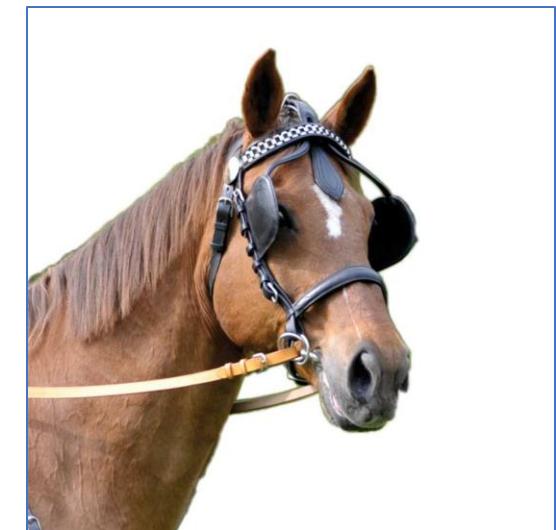
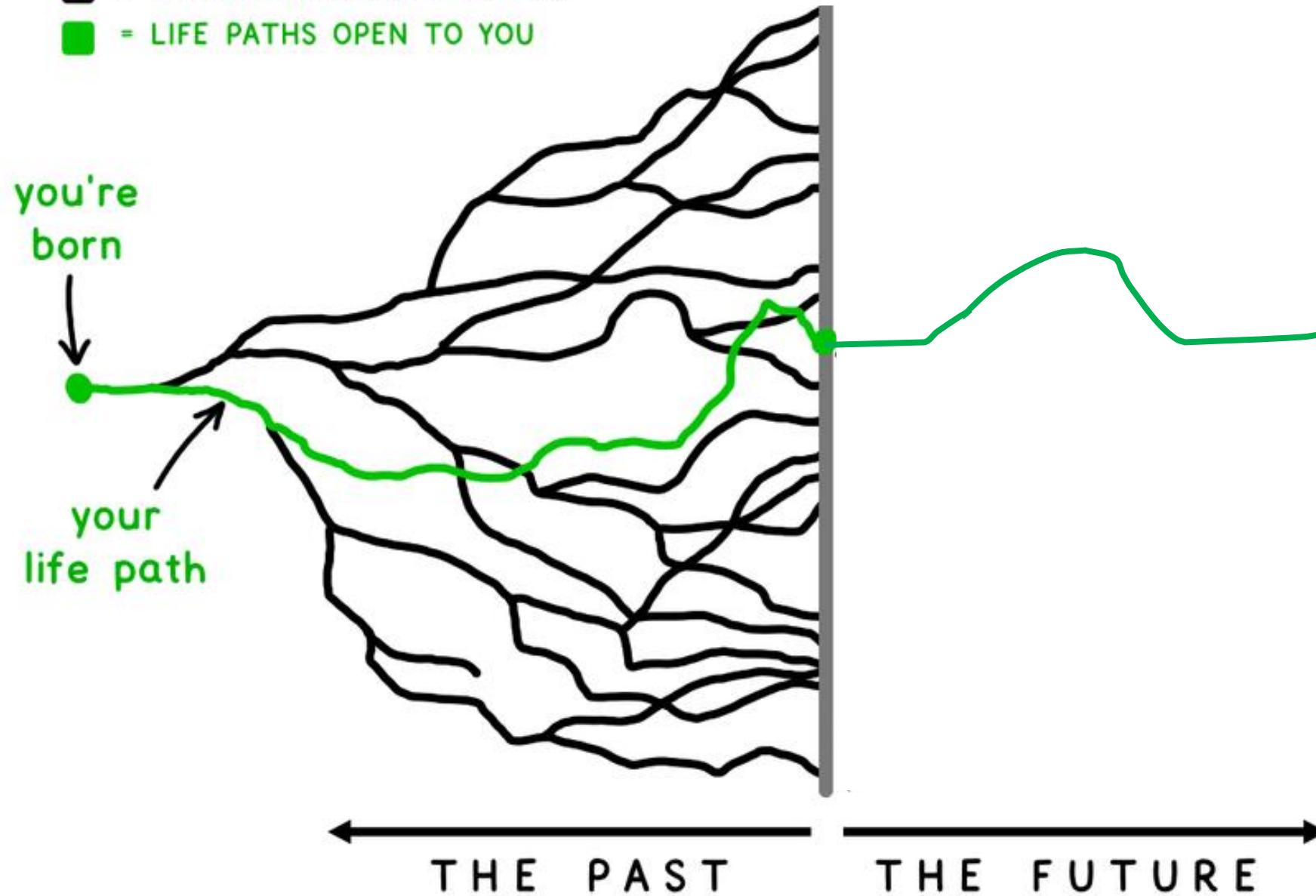
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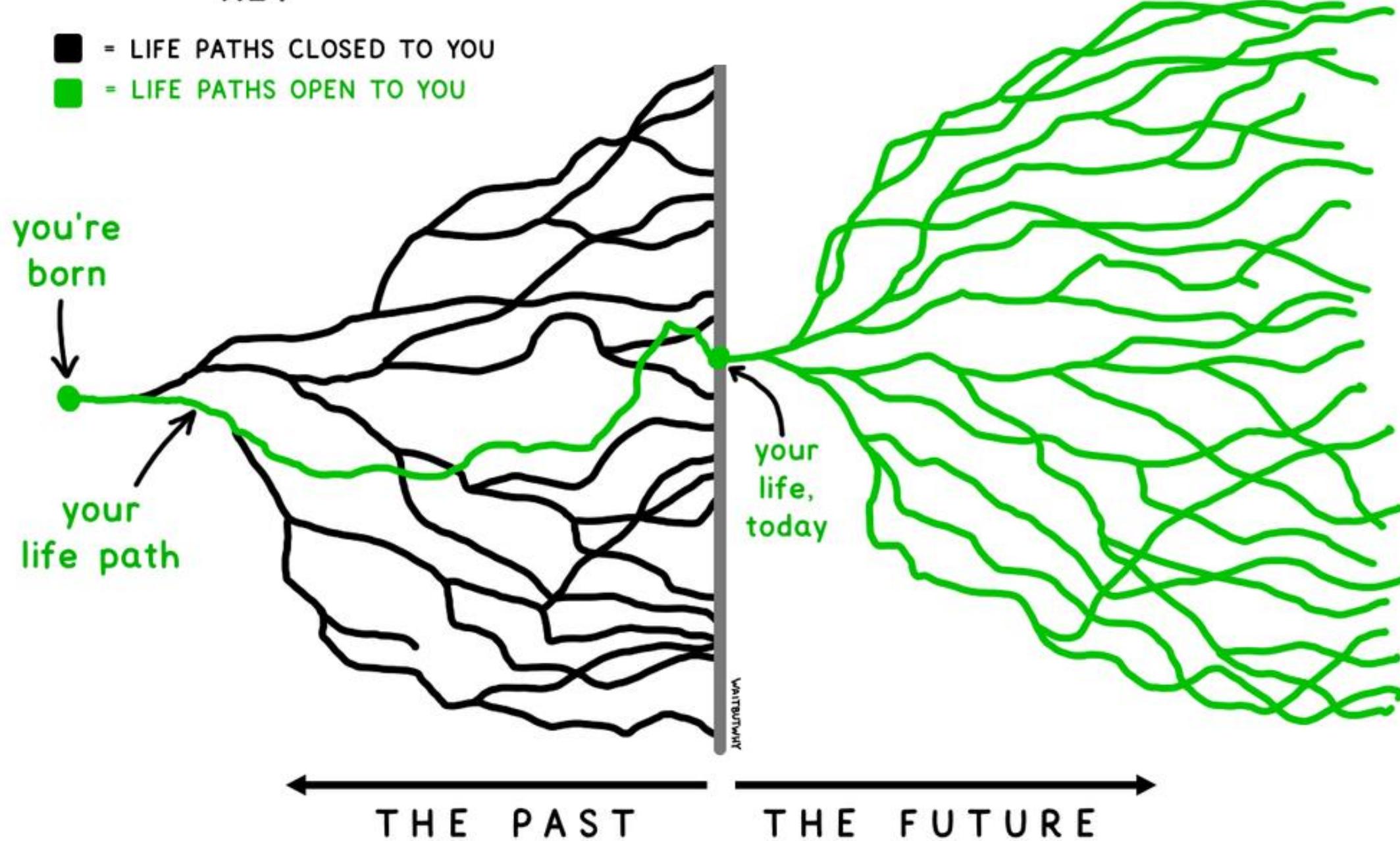
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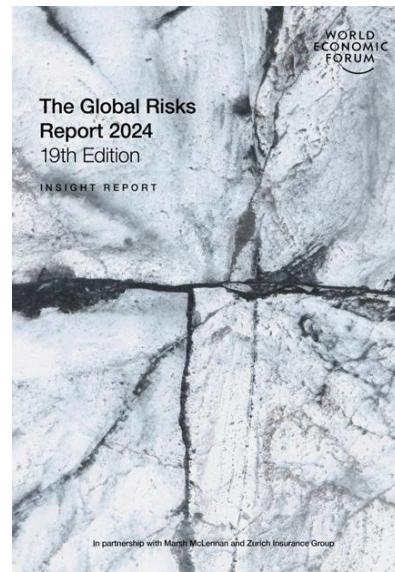
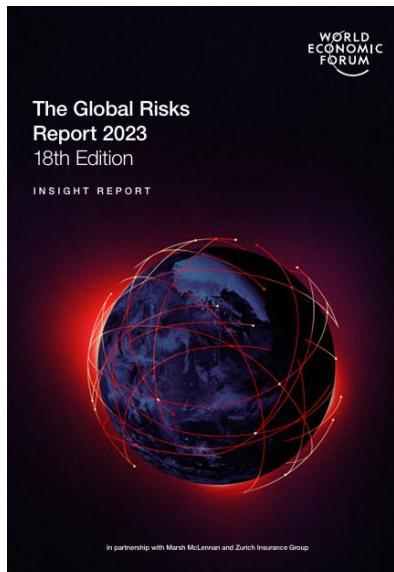
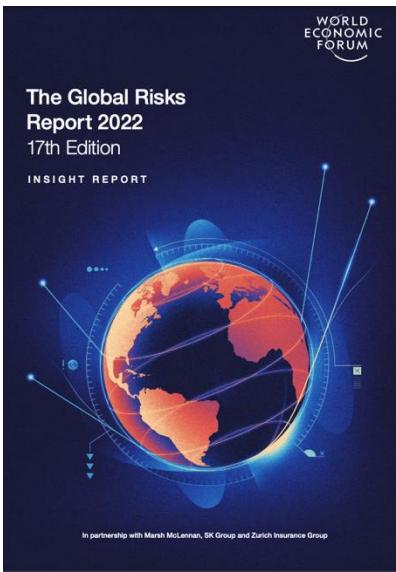
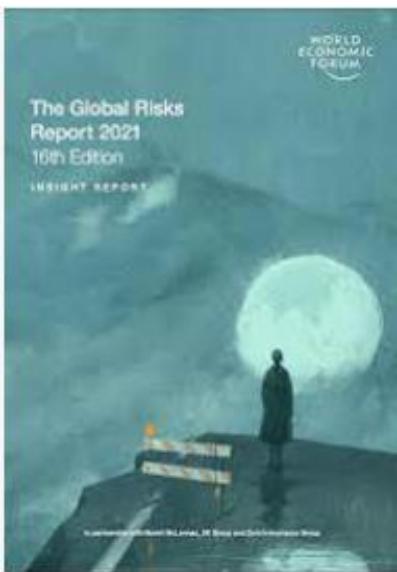
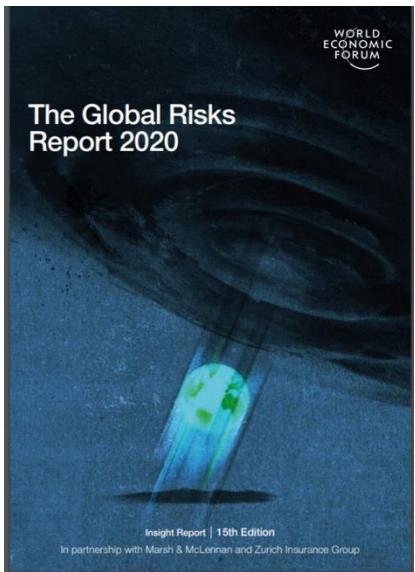
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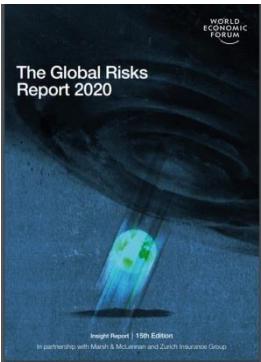
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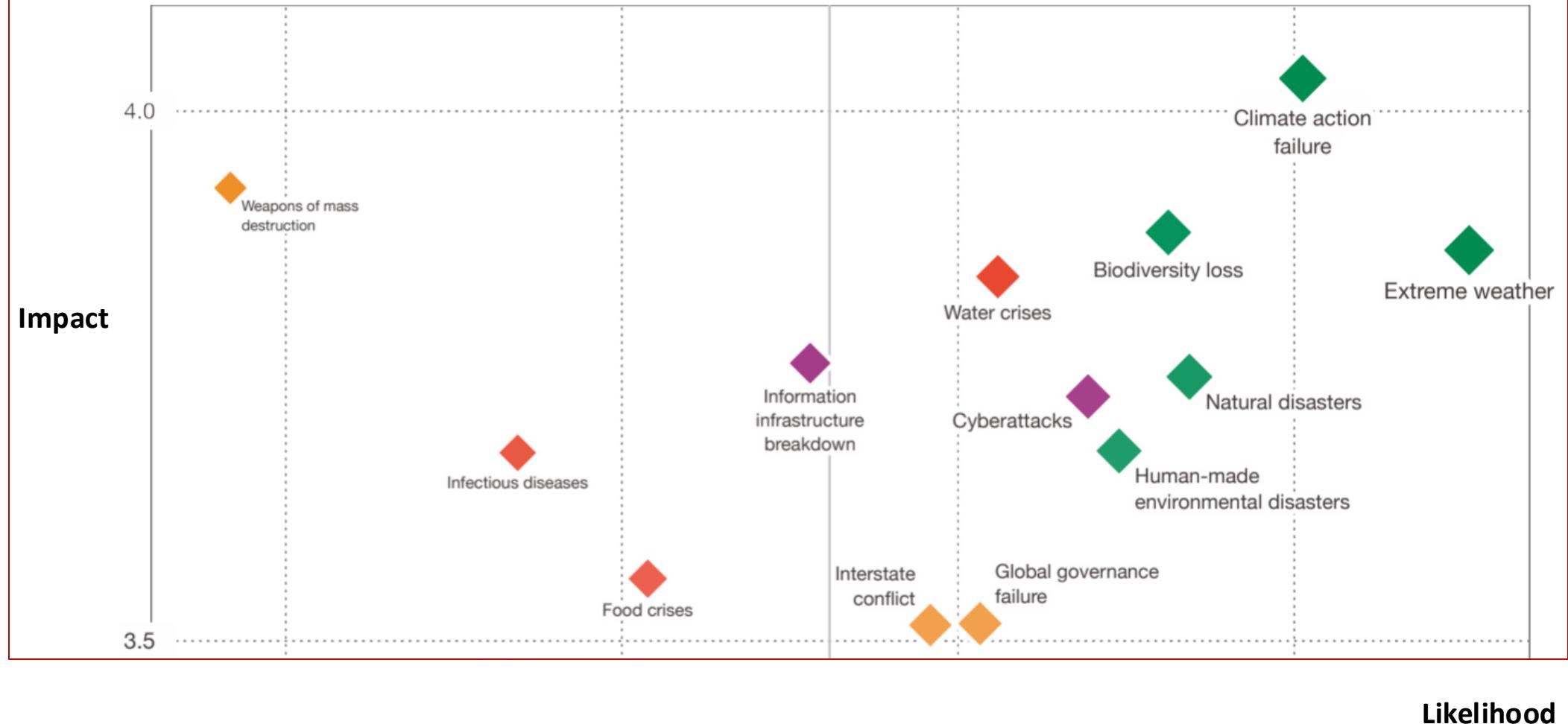
WORLD ECONOMIC FORUM

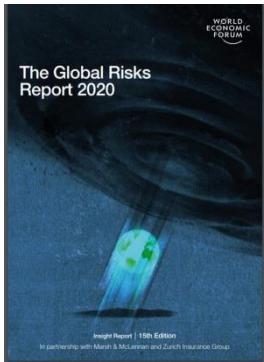




January
2020

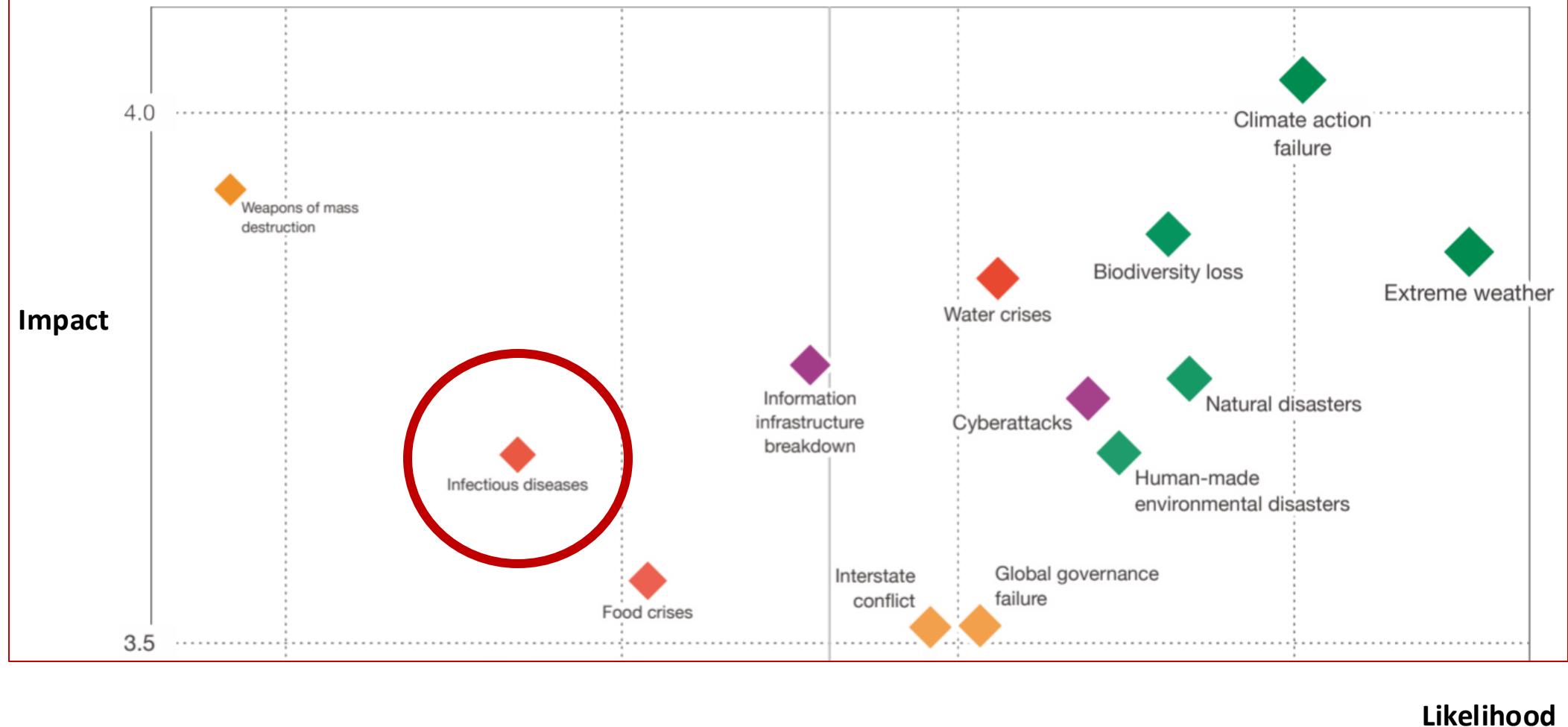
Figure II: The Global Risks Landscape 2020

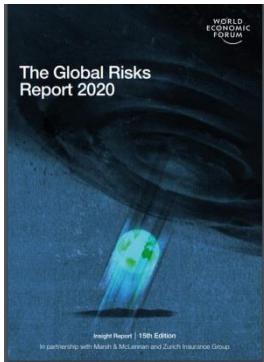




January
2020

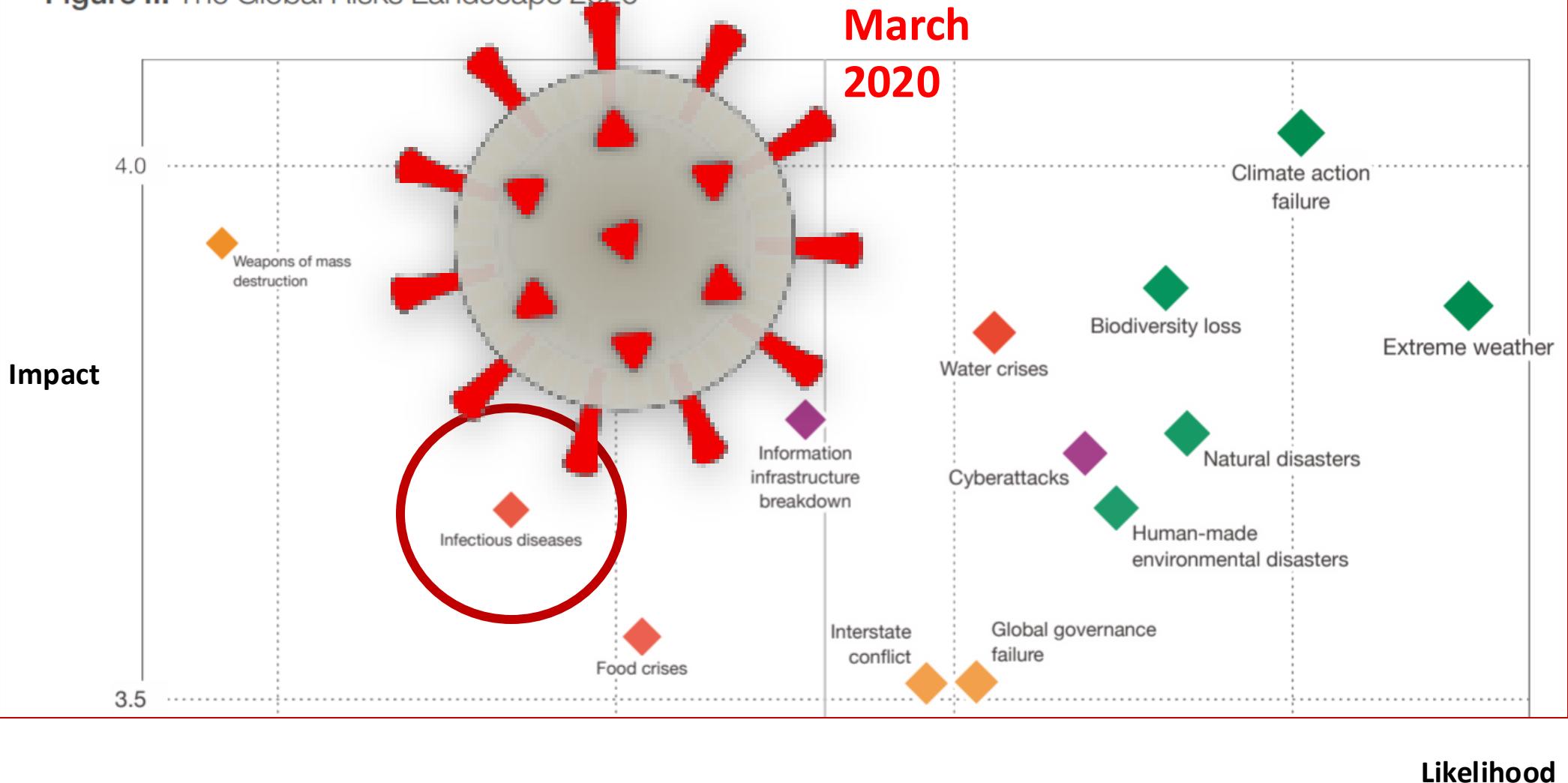
Figure II: The Global Risks Landscape 2020

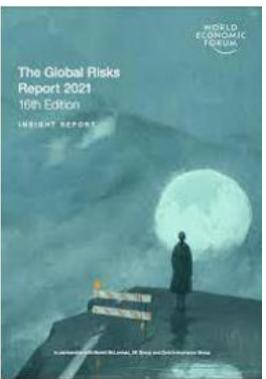
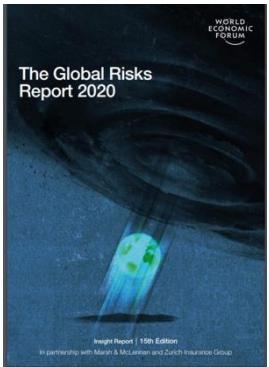




January
2020

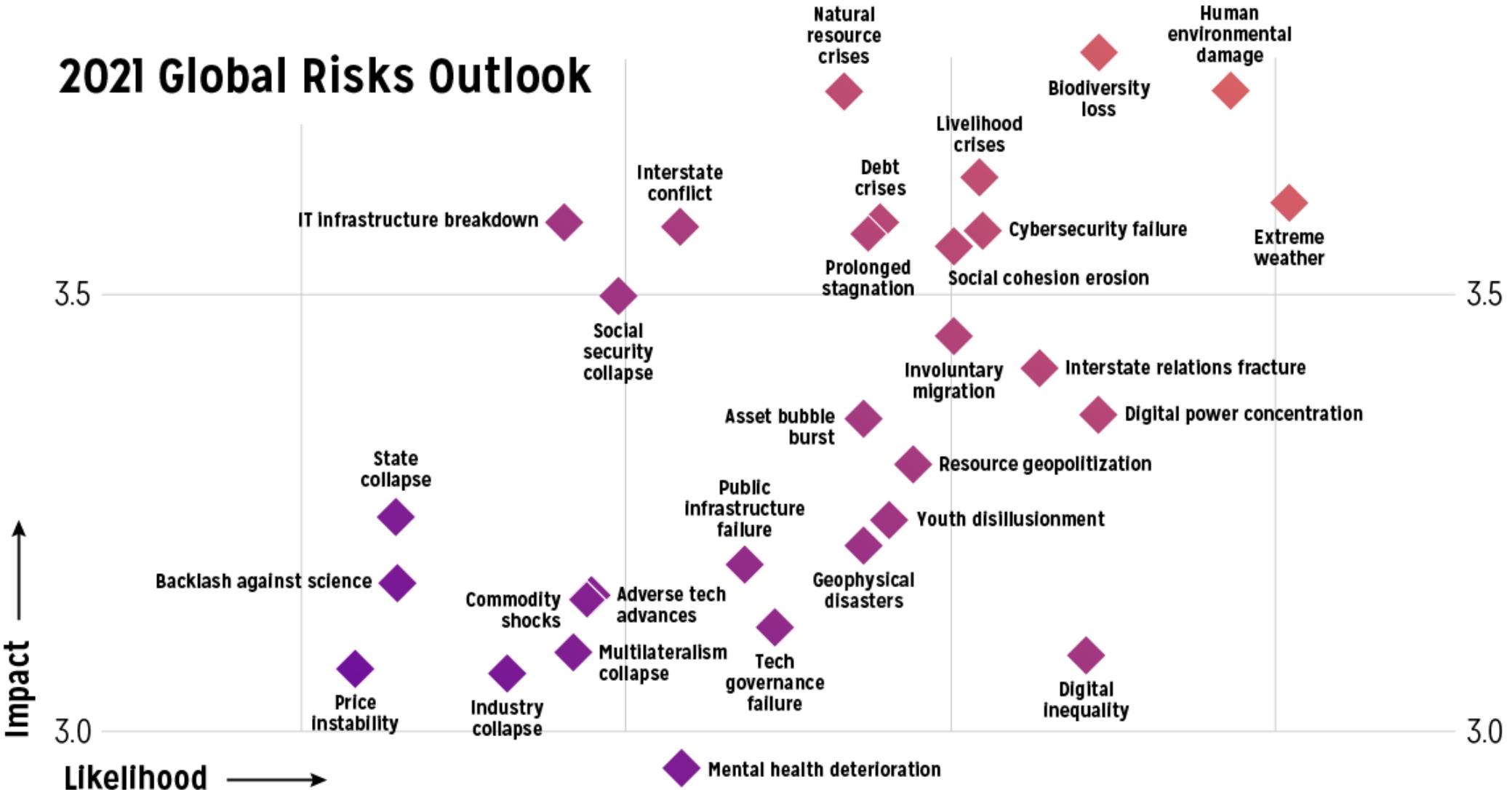
Figure II: The Global Risks Landscape 2020

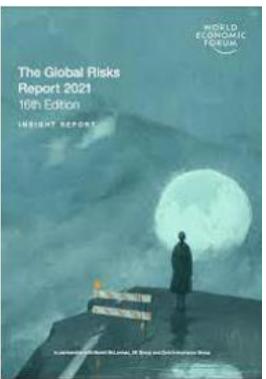
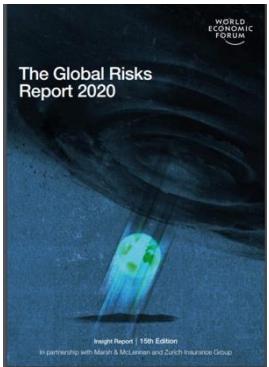




January
2021

2021 Global Risks Outlook





January
2021

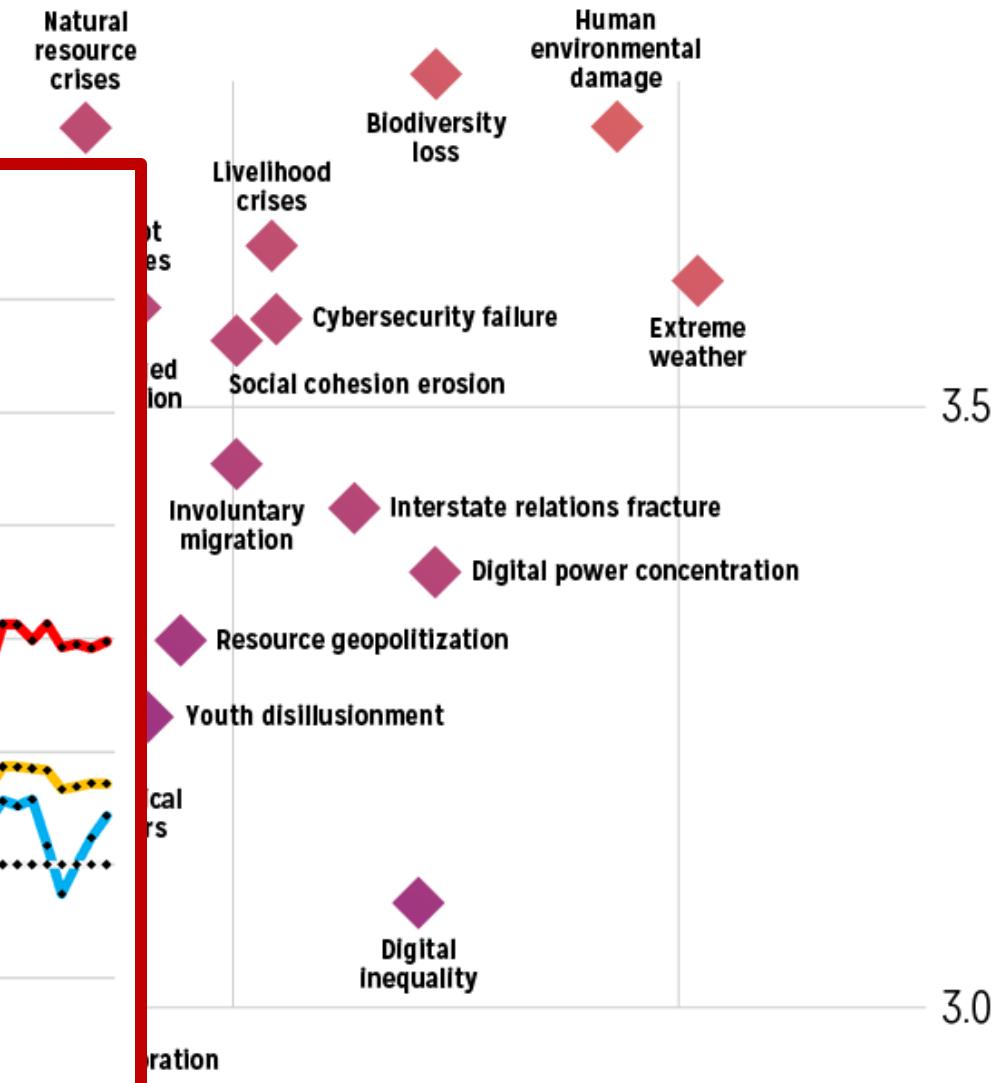
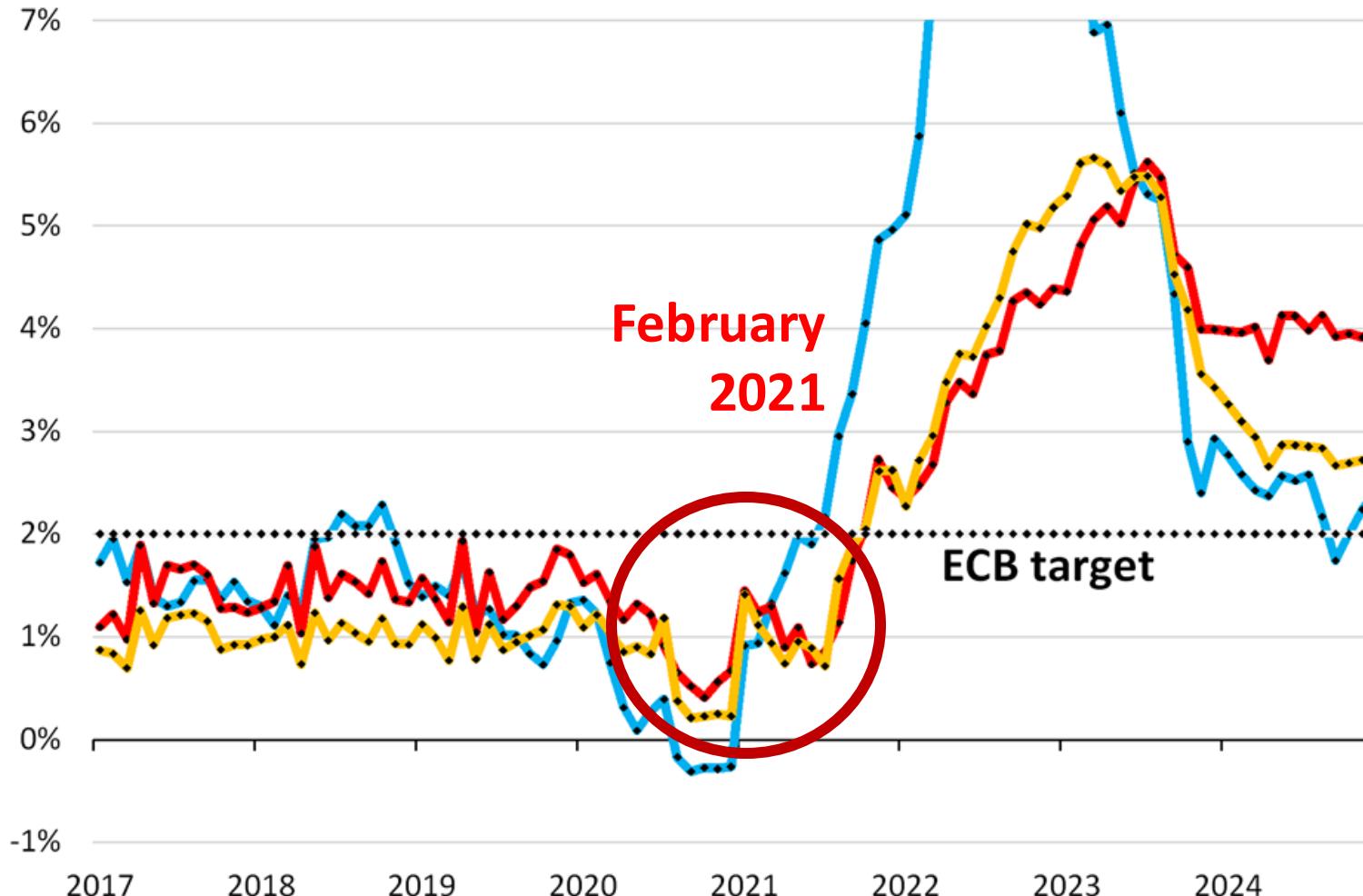
2021 Global Risks Outlook





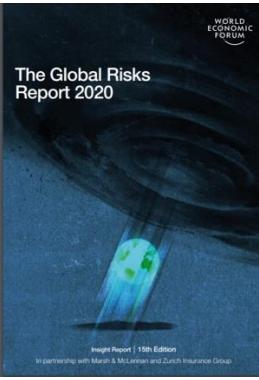
2021 Global Risks Outlook

Eurozone Overall CPI, Core CPI, Services CPI



Source: Eurostat

WOLFSTREET.com



The Global Risks
Report 2020

Economic Environmental Geopolitical Societal Technological

1st Climate action failure

2nd Extreme weather

3rd Biodiversity loss

4th Social cohesion erosion

5th Livelihood crises

6th Infectious diseases

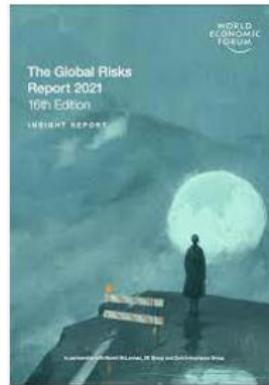
7th Human environmental damage

8th Natural resource crises

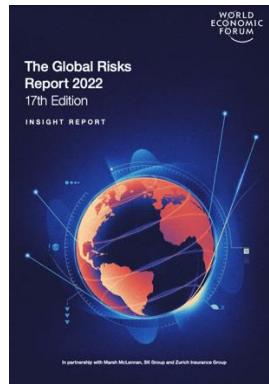
9th Debt crises

10th Geoeconomic confrontation

Source: World Economic Forum Global Risks Perception Survey 2021-2022



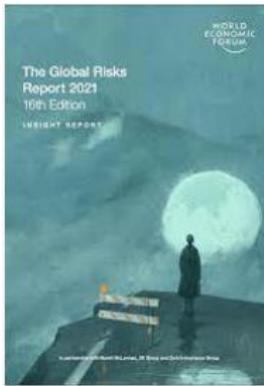
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Report 2021
16th Edition
INSIGHT REPORT



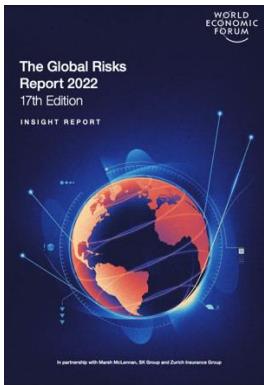
January
2022



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Economic Environmental Geopolitical Societal Technological

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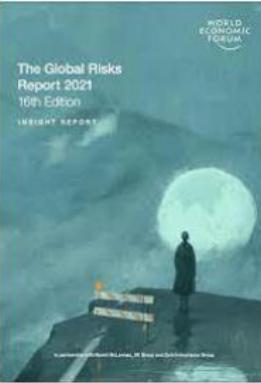
Source: World Economic Forum Global Risks Perception Survey 2021-2022

January
2022



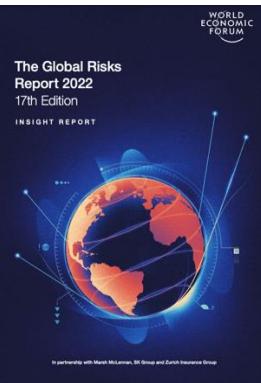
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January
2022

February
2022

- Economic ■ Environmental ■ Geopolitical ■ Social
- 1st Climate action failure
- 2nd Extreme weather
- 3rd Biodiversity loss
- 4th Social cohesion erosion
- 5th Livelihood crises

Source: World Economic Forum Global Risks Perception Survey

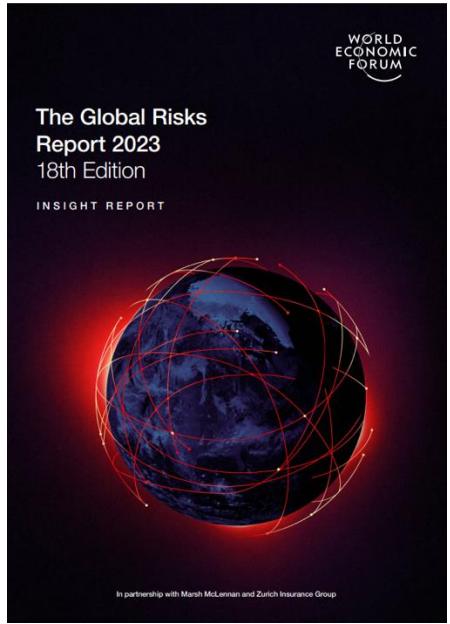
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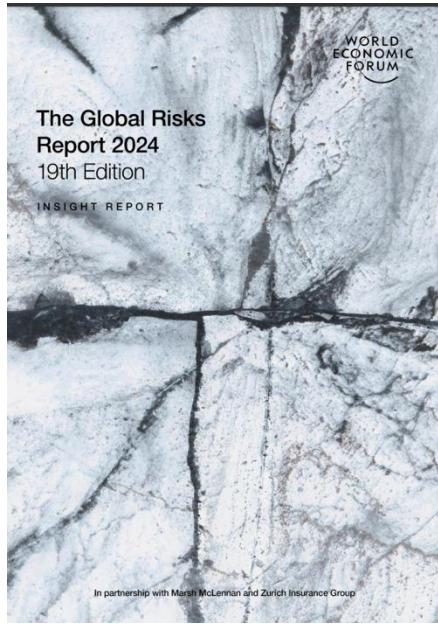
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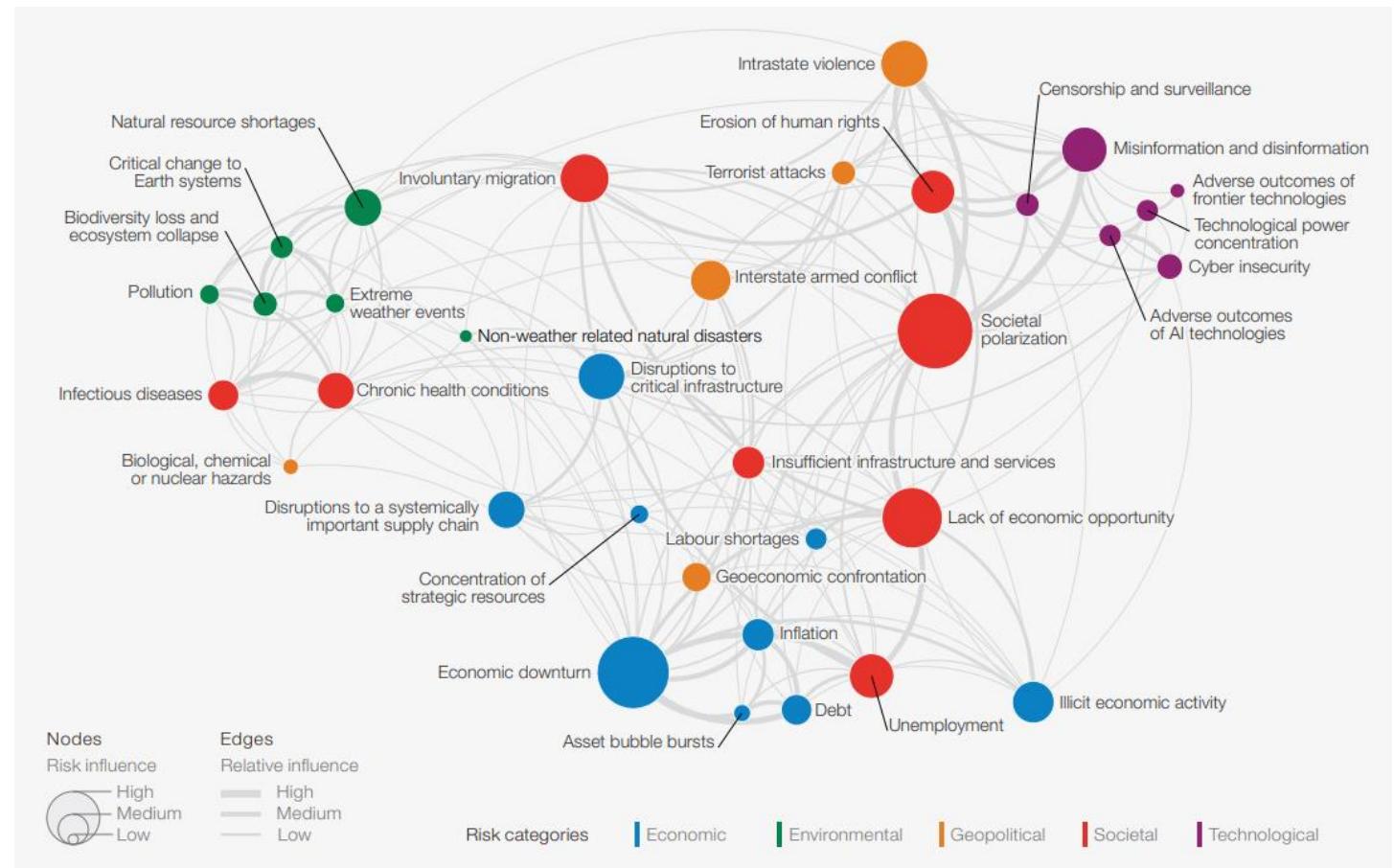
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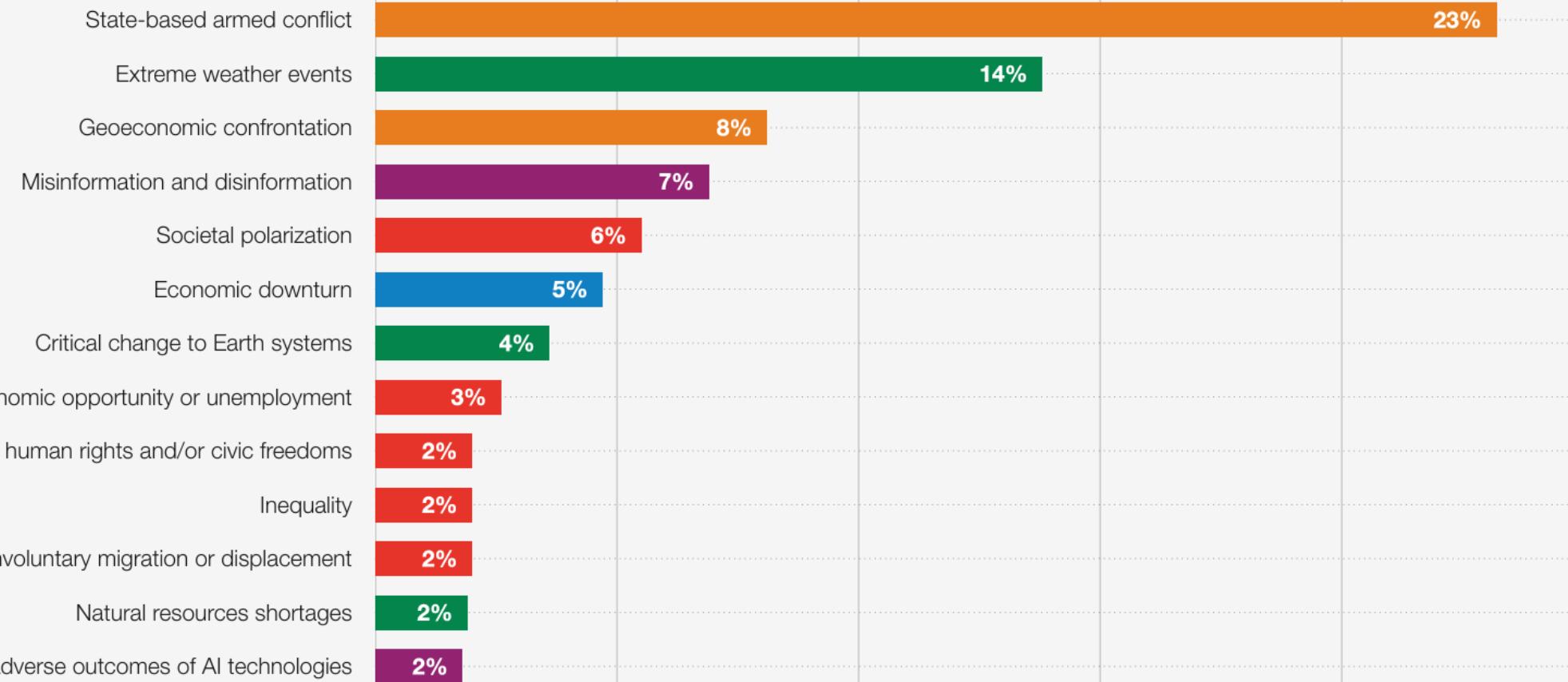


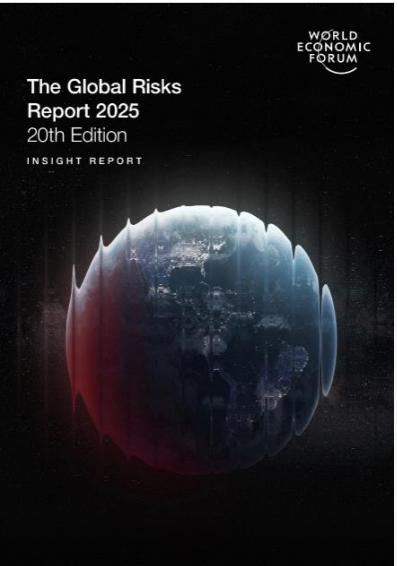
Saadie Zahidi
Managing Director



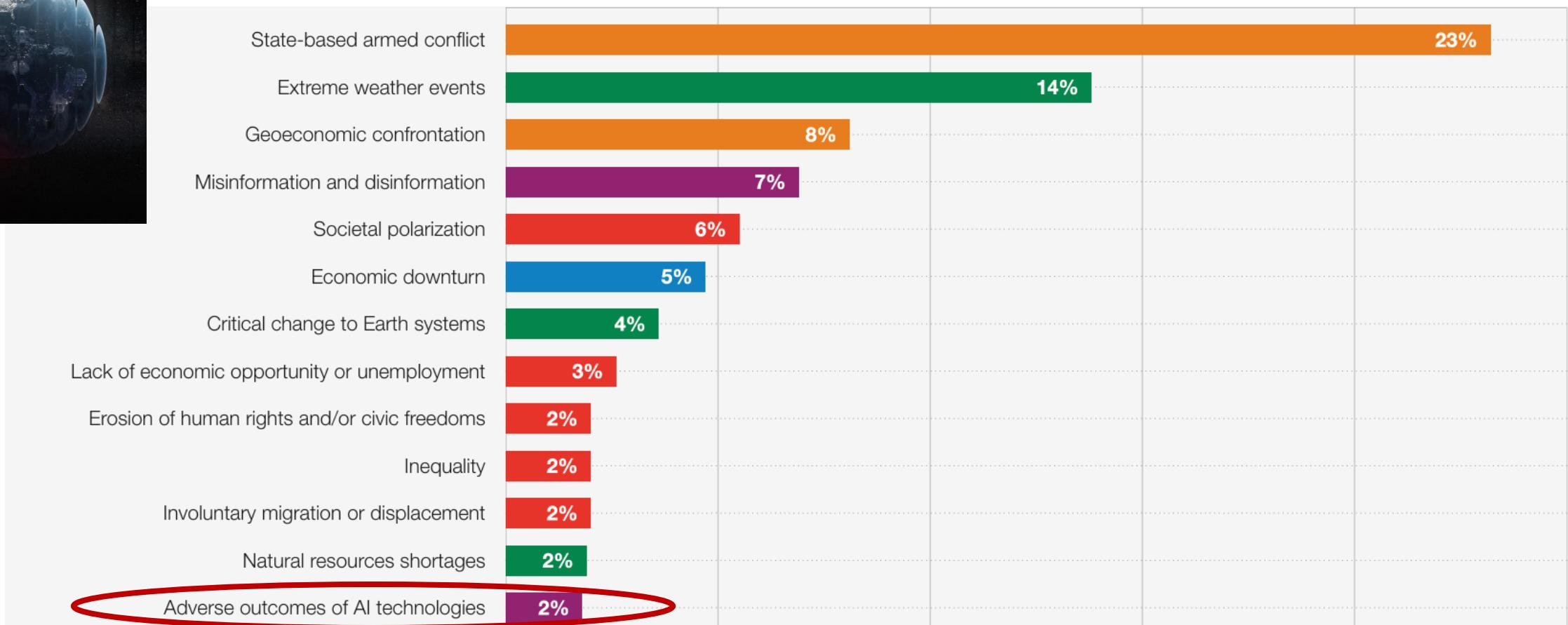


January 2025





January 2025



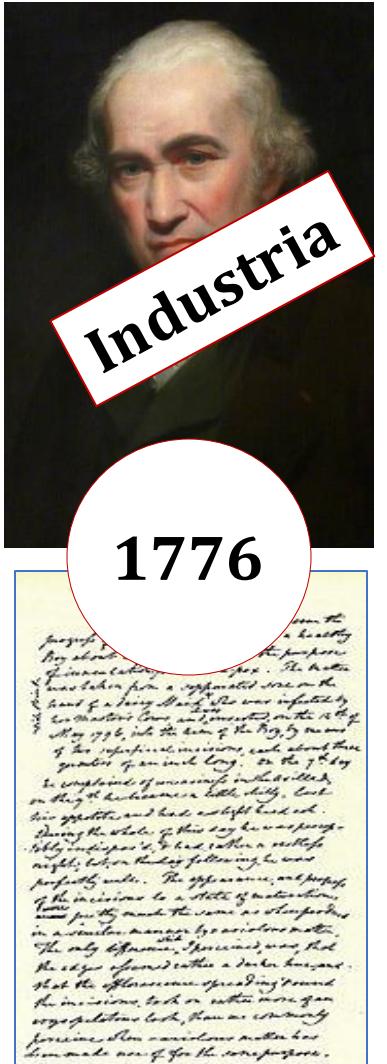
- 1. ¿De dónde venimos?**

- 2. ¿A dónde vamos?**

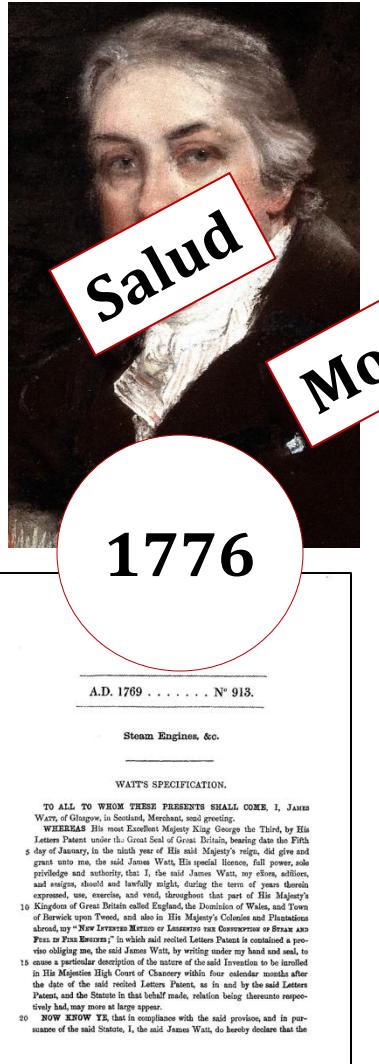
3. Un momento histórico, que cambiará para siempre la Humanidad

- 4. ¿Me acompañáis en un viaje?**

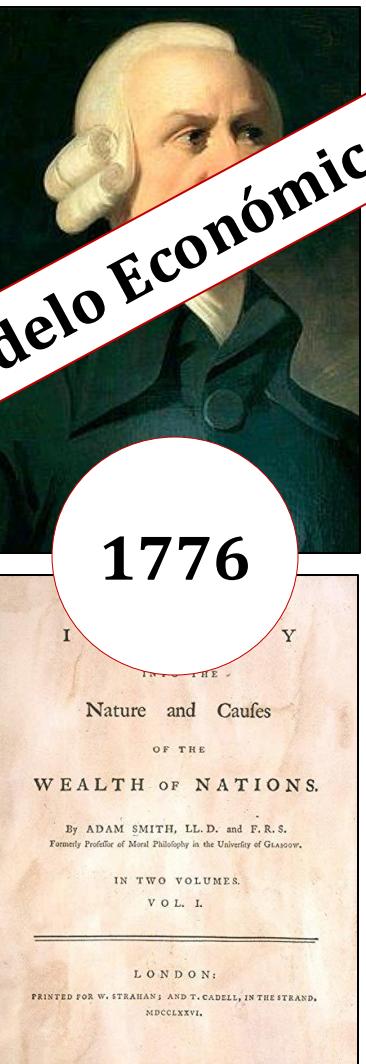
James Watt



Edward Jenner



Adam Smith



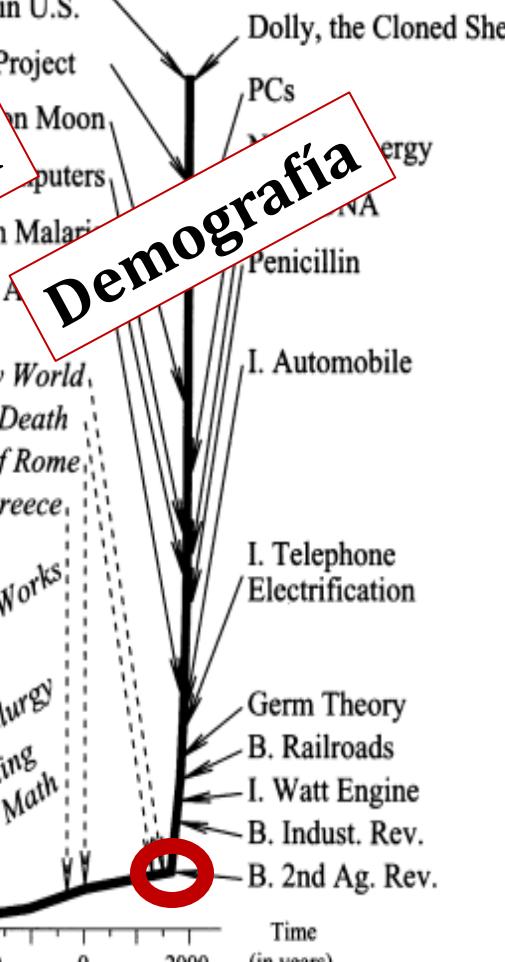
Thomas Jefferson



Thomas Jefferson



Jean-Jacques Rousseau



2025

Industria

2025

Salud

2025

Modelo Económico

2025

Geopolítica

2025

Contrato Social

2025

Demografía

2025

Industria

2025

Salud

2025

Modelo Económico

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Geopolítica

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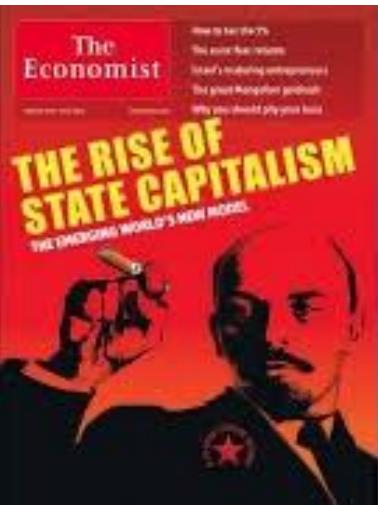
Geopolítica

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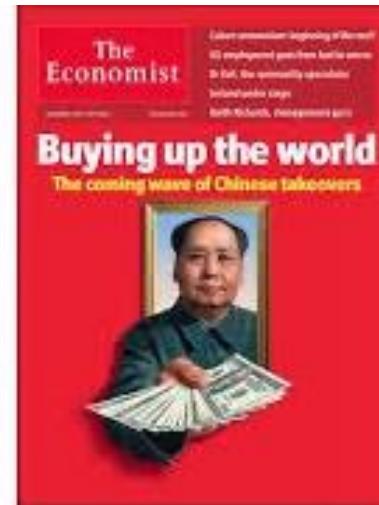
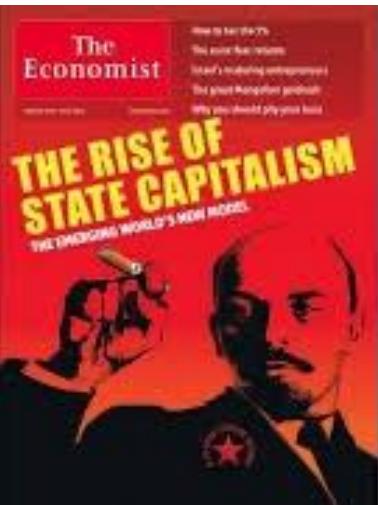
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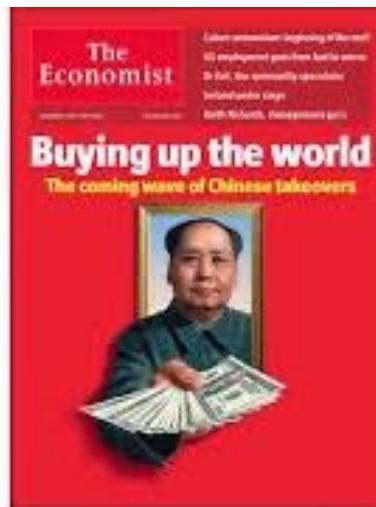
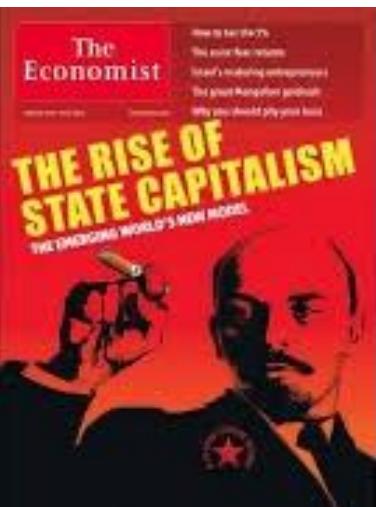
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2025

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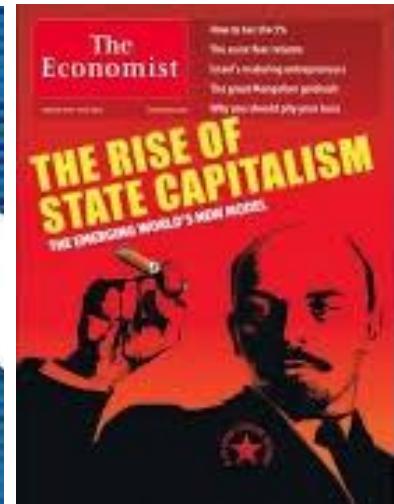
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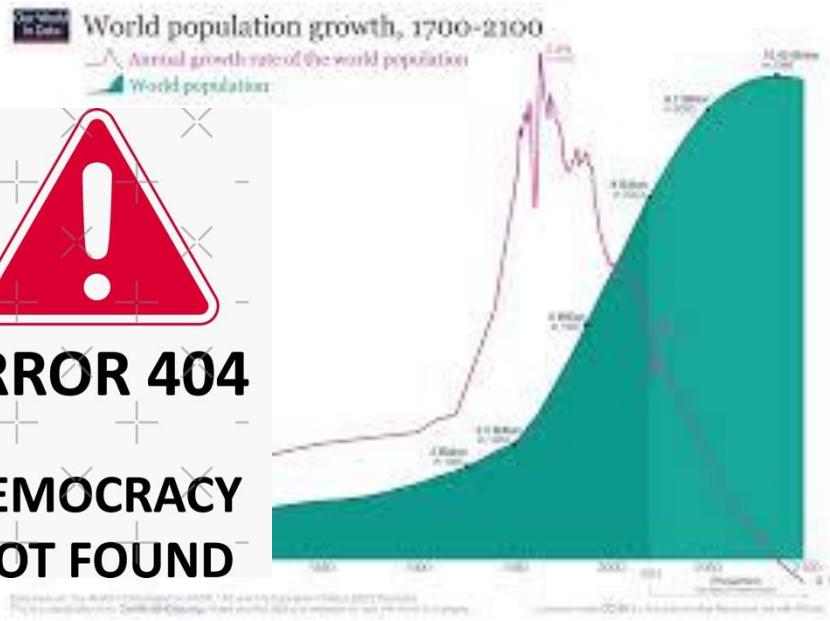
2025

Contrato Social



2025

Demografía



- 1. Will Europe recover its strategic autonomy?**
- 2. Europe, a Continent Built on Industry (among other things...)**
- 3. Another tipping point, 250 years later**
- 4. The future of industry in Europe**

Tecnología e Innovación: ¿Dónde estamos?

Estamos en el último episodio de la saga de Los Vengadores:
Infinity Wars



Dr. Strange conversa con Ironman

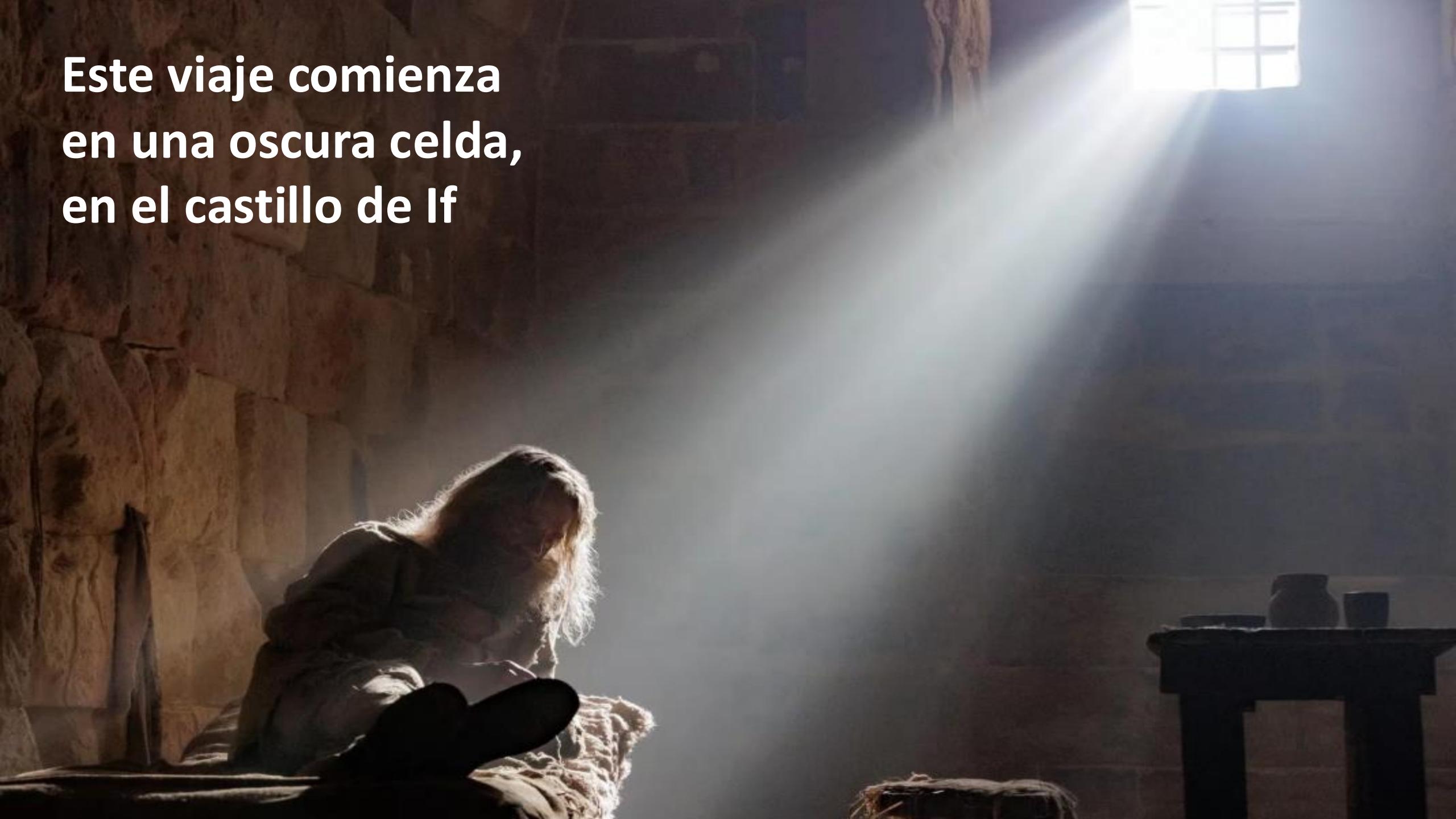
- *He viajado en el tiempo para ver todos los futuros posibles en los que puede acabar el conflicto actual.*
- *Y cuántos futuros has visitado?*
- *14,000,605.*
- *Y en cuántos ganamos?*
- ***Solo en uno.***

Atención spoiler

Como tantas otras veces, se trata de hacer juntos un viaje



Este viaje comienza
en una oscura celda,
en el castillo de If



Soy el abate Faria.
En la celda contigua,
guarda el mapa
de un inmenso tesoro





**Soy el abate Faria.
En la celda contigua,
guarda el mapa
de un inmenso tesoro**

**El arte
de dar oportunidades
al destino**



**Soy el abate Faria.
En la celda contigua,
guarda el mapa
de un inmenso tesoro**

El arte de dar oportunidades al destino

Tres cajas de herramientas:

**1º Caja
¿Cómo entender el futuro?**



**Soy el abate Faria.
En la celda contigua,
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El arte de dar oportunidades al destino

Tres cajas de herramientas:

**1º Caja
¿Cómo entender el futuro?**

**2ª Caja
¿Cómo cambiar para adaptarse al futuro?**



**Soy el abate Faria.
En la celda contigua,
guarda el mapa
de un inmenso tesoro**

El arte de dar oportunidades al destino

Tres cajas de herramientas:

1º Caja
¿Cómo entender el futuro?

2ª Caja
¿Cómo cambiar para adaptarse al futuro?

3ª Caja
¿Cómo crear cosas nuevas?



Mil gracias!!!!

[linkedin.com/in/guiller](https://www.linkedin.com/in/guiller)