

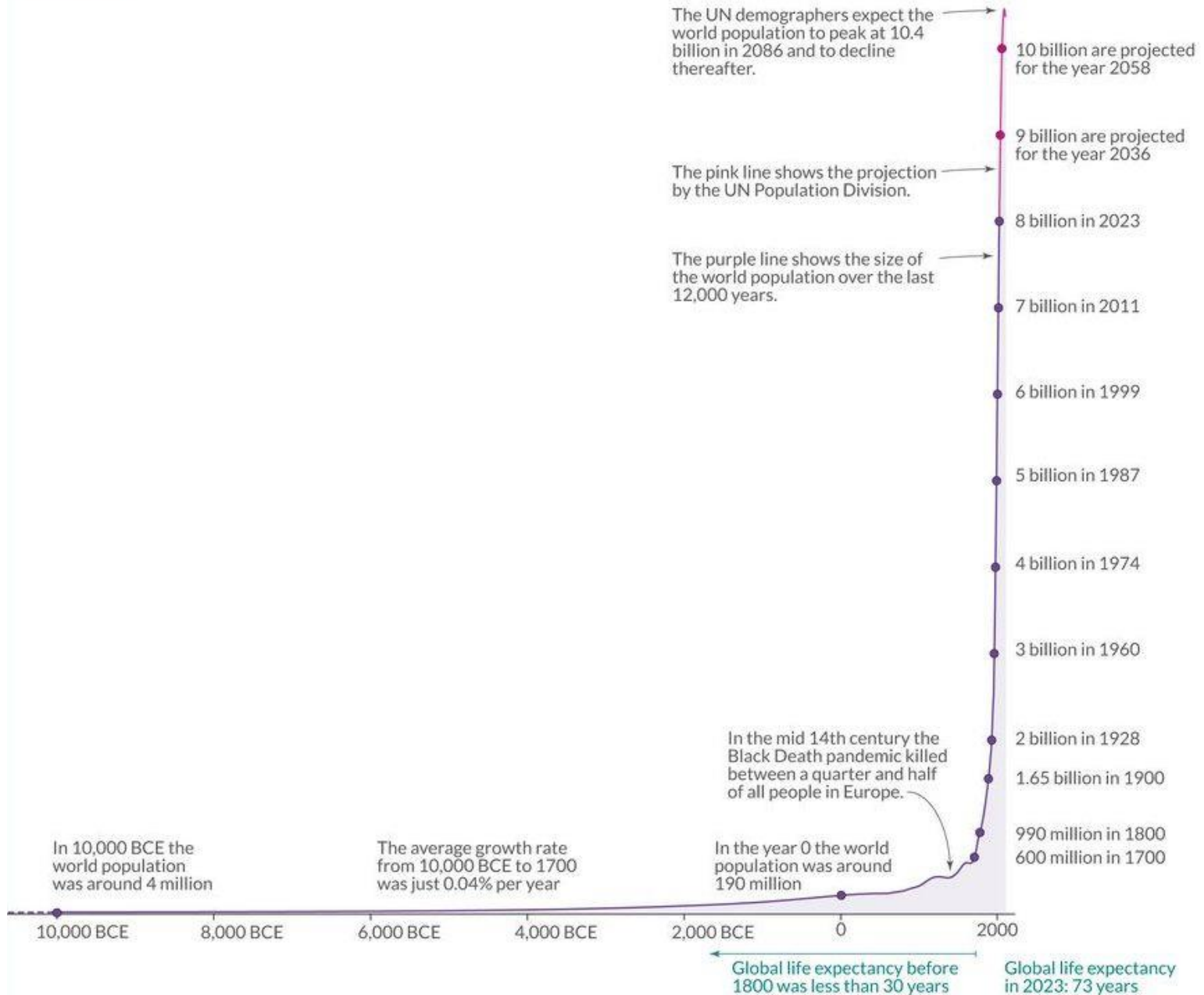


# Demografia – perspektywa globalna

**Jan Maria Szomburg**

Prezes Zarządu Instytutu Badań nad Gospodarką  
Rynkową

# The size of the world population over the long-run



Based on estimates by the History Database of the Global Environment (HYDE) and the United Nations.

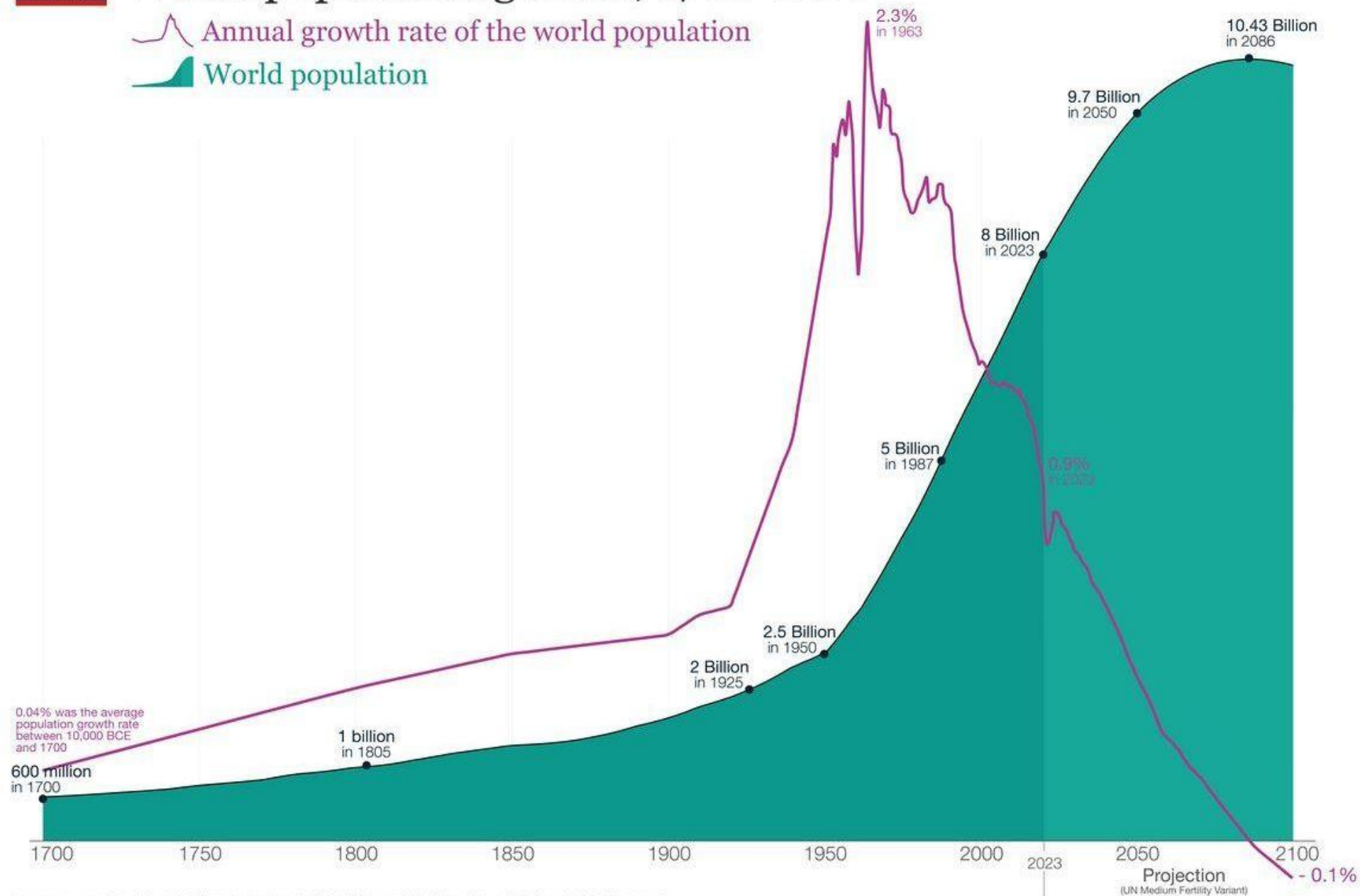
This is a visualization from [OurWorldinData.org](https://www.ourworldindata.org).

Licensed under [CC-BY-SA](https://creativecommons.org/licenses/by-sa/4.0/) by the author Max Roser.

# World population growth, 1700-2100

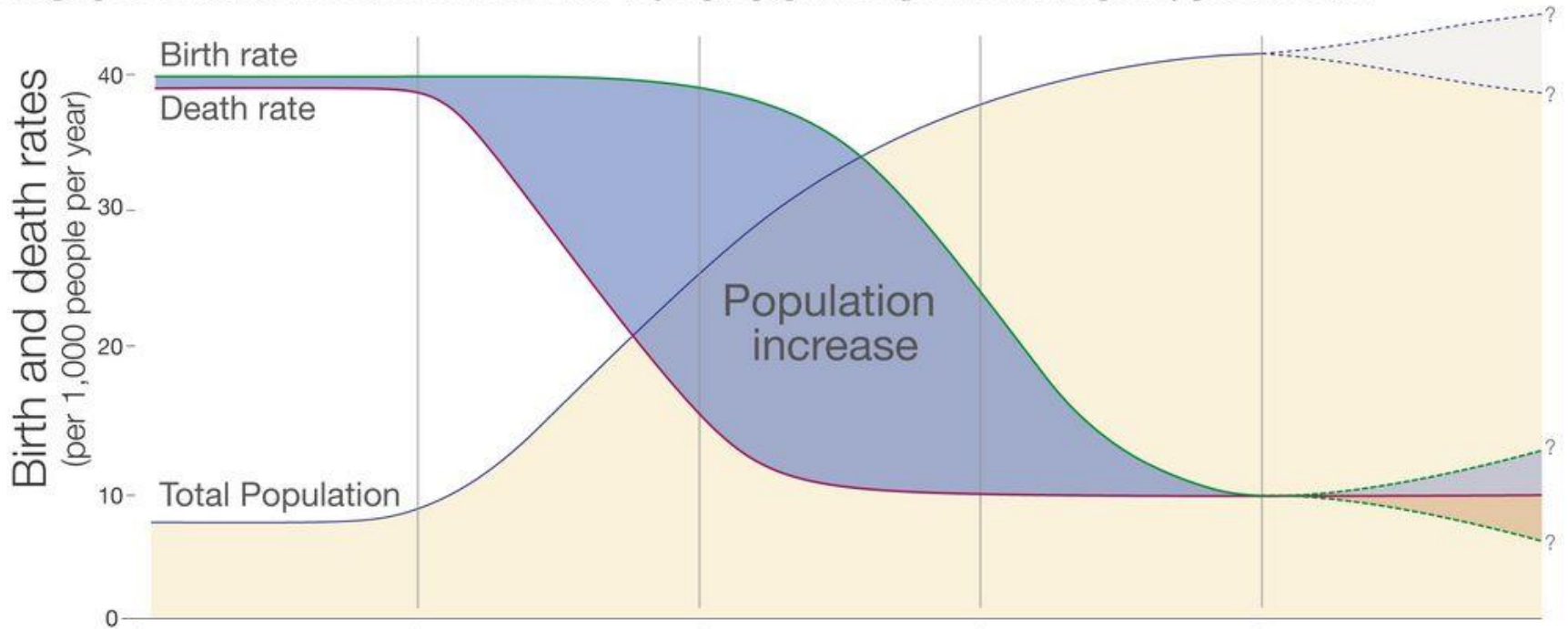
Annual growth rate of the world population

World population



# The five stages of the demographic transition

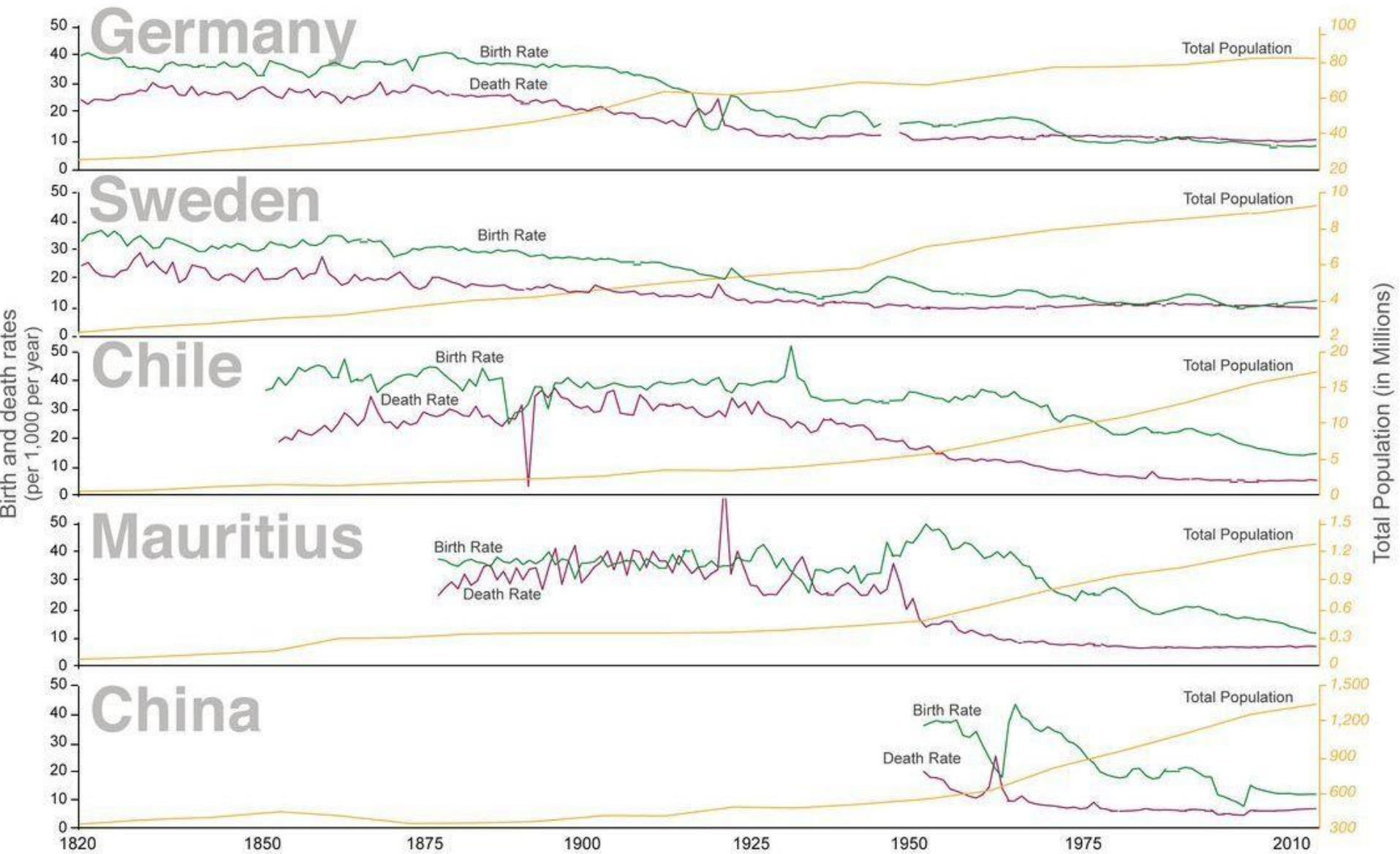
The demographic transition is a model that describes why rapid population growth is a temporary phenomenon.



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
<b>Birth rate</b>	High	High	Falling	Low	Yet to be seen possibly falling further, possibly rising again
<b>Death rate</b>	High	Falling rapidly	Falling slowly	Low	Low
<b>Population change</b>	Stable or slowly increasing	Rapidly increasing	Increase slows down	Falling and then stable	Little change
<b>Population pyramid</b>					
	Men Women	Men Women	Men Women	Men Women	Men Women

# The Demographic Transition in 5 Countries

The Demographic Transition refers to the transition from high birth & death rates to low birth & death rates. It is shown here for five countries that achieved the transition one after the other.



Data source: The data on birth rates, death rates and the total population are taken from the International Historical Statistics, edited by Palgrave Macmillan (April 2013).

The interactive data visualisation is available at [OurWorldinData.org](http://OurWorldinData.org). There you find the raw data and more visualisations on this topic.

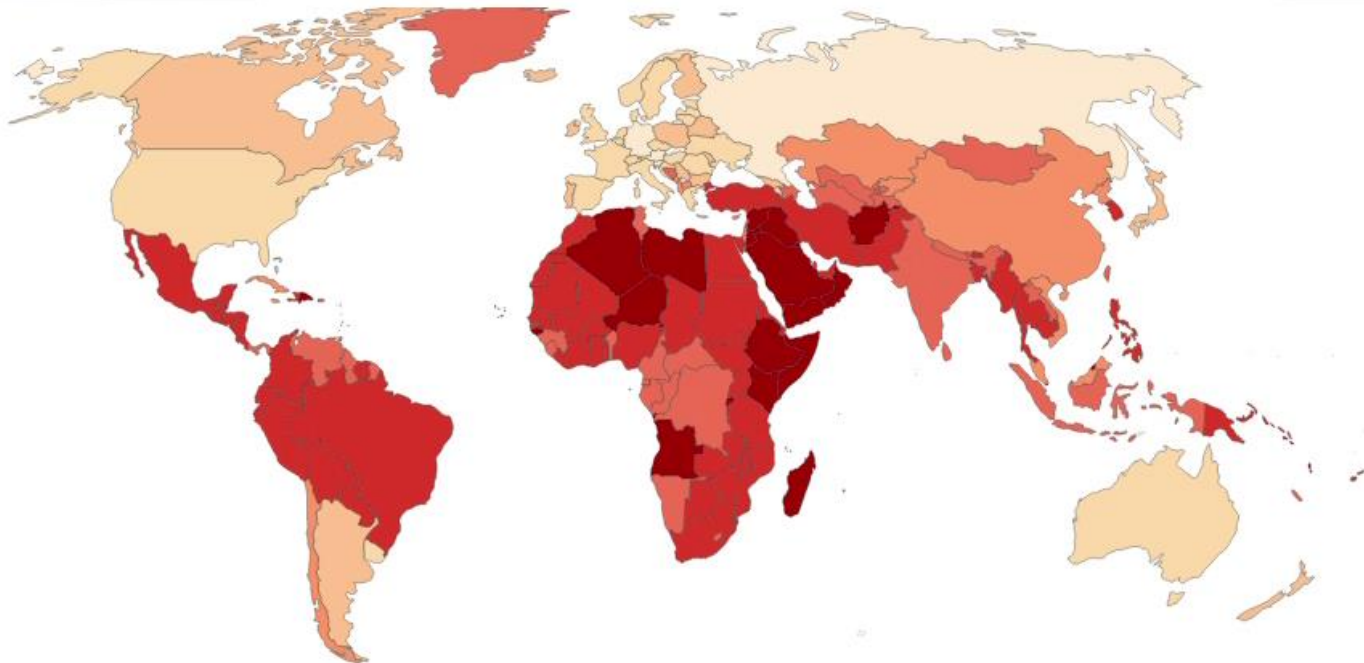
Licensed under CC-BY-SA by the author Max Roser.

# Fertility rate: children per woman, 1945

The number of children that would be born to a woman if she were to live to the end of her child-bearing years and give birth to children at the current age-specific fertility rates.

Table Map Chart

World



1541 1945 2022

Data source: Gapminder (2017) - [Learn more about this data](#)

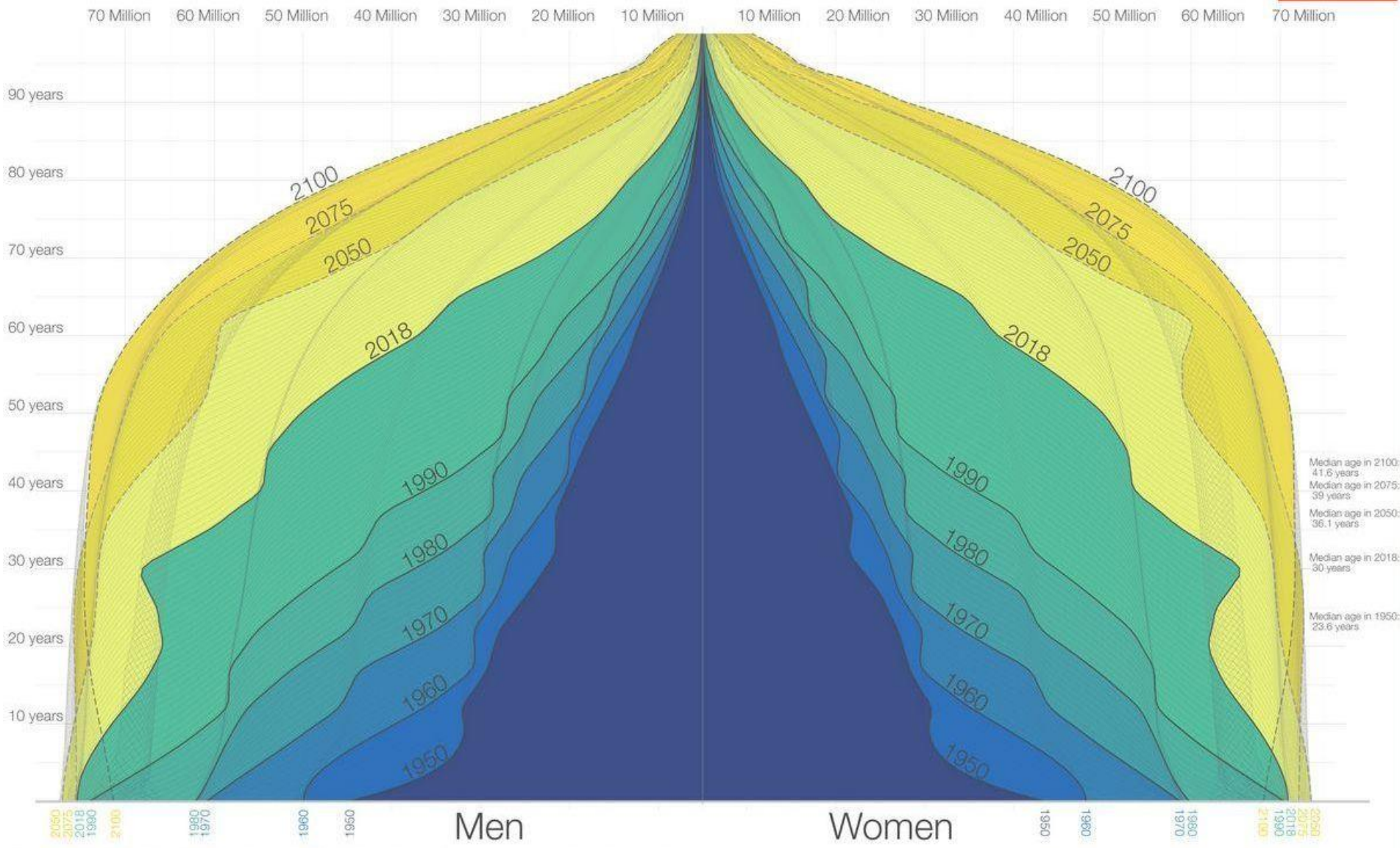
[OurWorldInData.org/fertility-rate](https://OurWorldInData.org/fertility-rate) | CC BY

Note: The total fertility rate is the number of children that would be born to a woman if she were to live to the end of her child-bearing years and give birth to children at the current age-specific fertility rates.

Download Share Full Screen

# The Demography of the World Population from 1950 to 2100

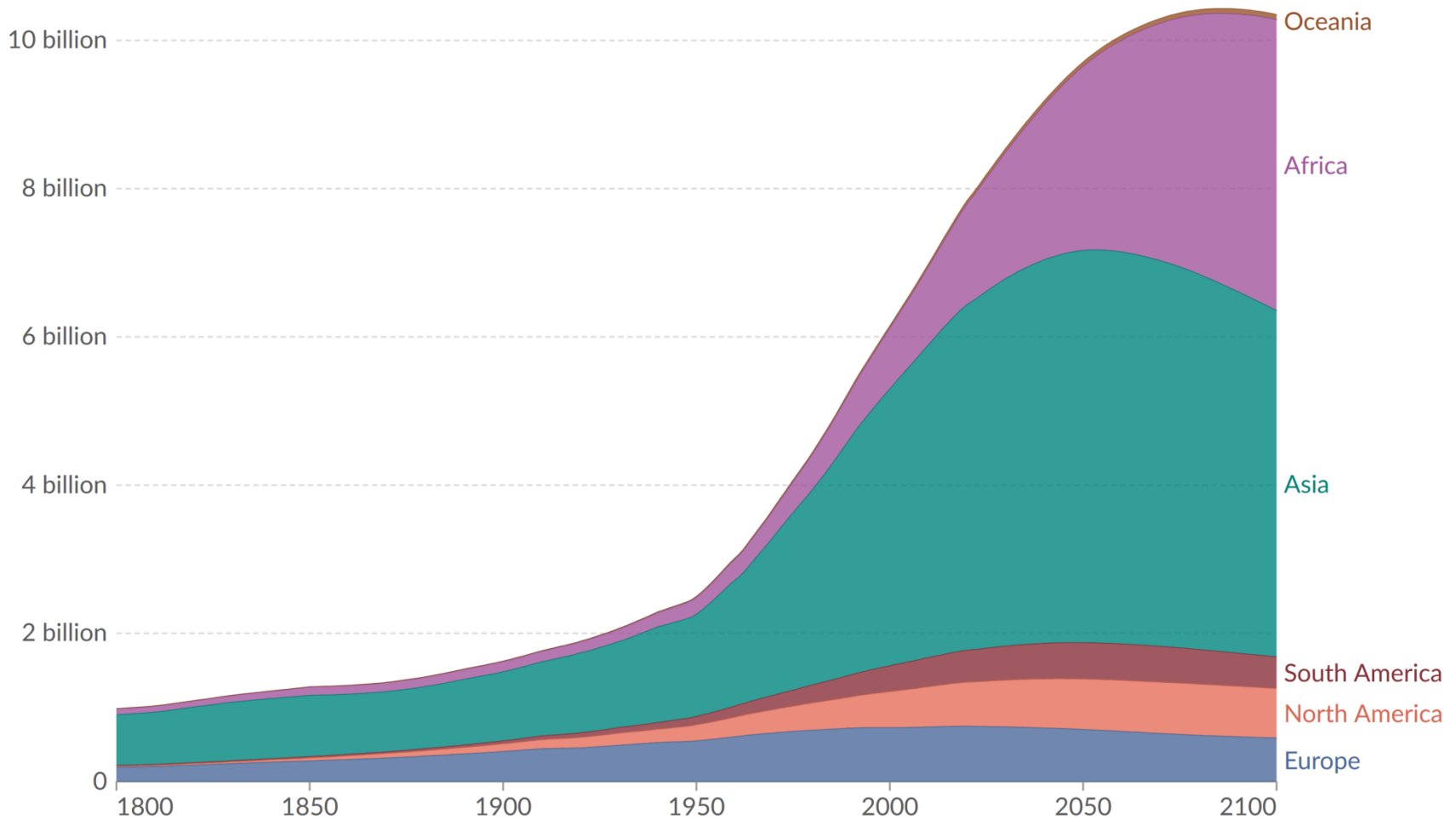
Shown is the age distribution of the world population – by sex – from 1950 to 2018 and the *UN Population Division's* projection until 2100.



Data source: United Nations Population Division – World Population Prospects 2017; Medium Variant.  
The data visualization is available at [OurWorldinData.org](https://ourworldindata.org), where you find more research on how the world is changing and why.

# Population by world region

Historic estimates with future projections based on the UN medium-fertility scenario<sup>1</sup>.



Data source: HYDE (2017); Gapminder (2023); UN (2022)

[OurWorldInData.org/population-growth](https://OurWorldInData.org/population-growth) | CC BY

Note: Historical country data is shown based on today's geographical borders.

**1. UN projection scenarios:** The UN's World Population Prospects provides a range of projected scenarios of population change. These rely on different assumptions in fertility, mortality and/or migration patterns to explore different demographic futures. [Read more: Definition of Projection Scenarios \(UN\)](#)





# Dziękuję za uwagę

**Jan Maria Szomburg**

Prezes Zarządu Instytutu Badań nad Gospodarką  
Rynkową