

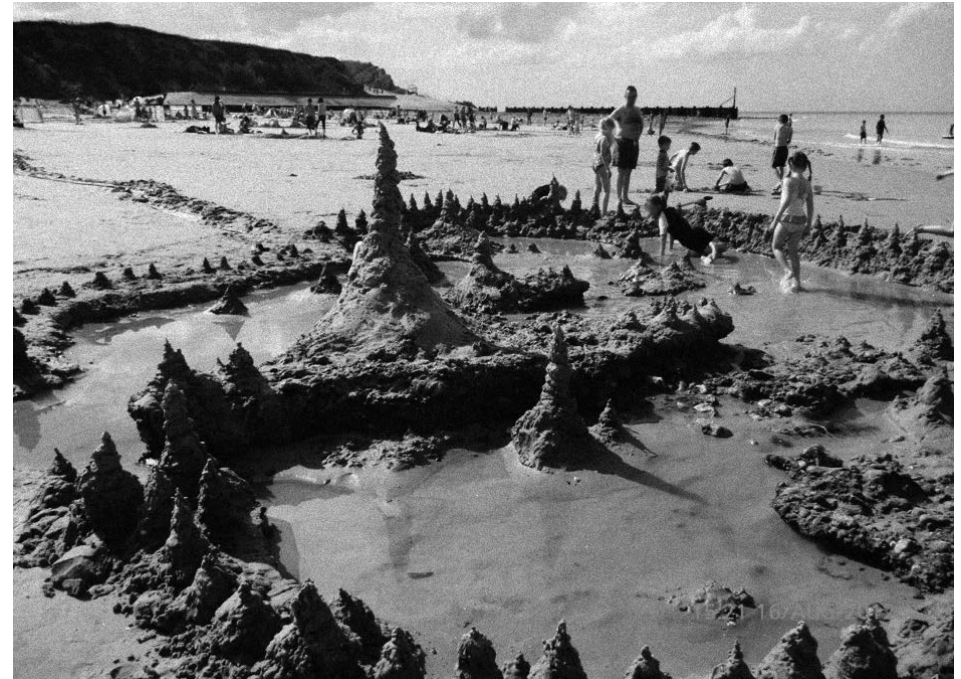
# Stepping back to focus on the longer term (talking about slowdown)

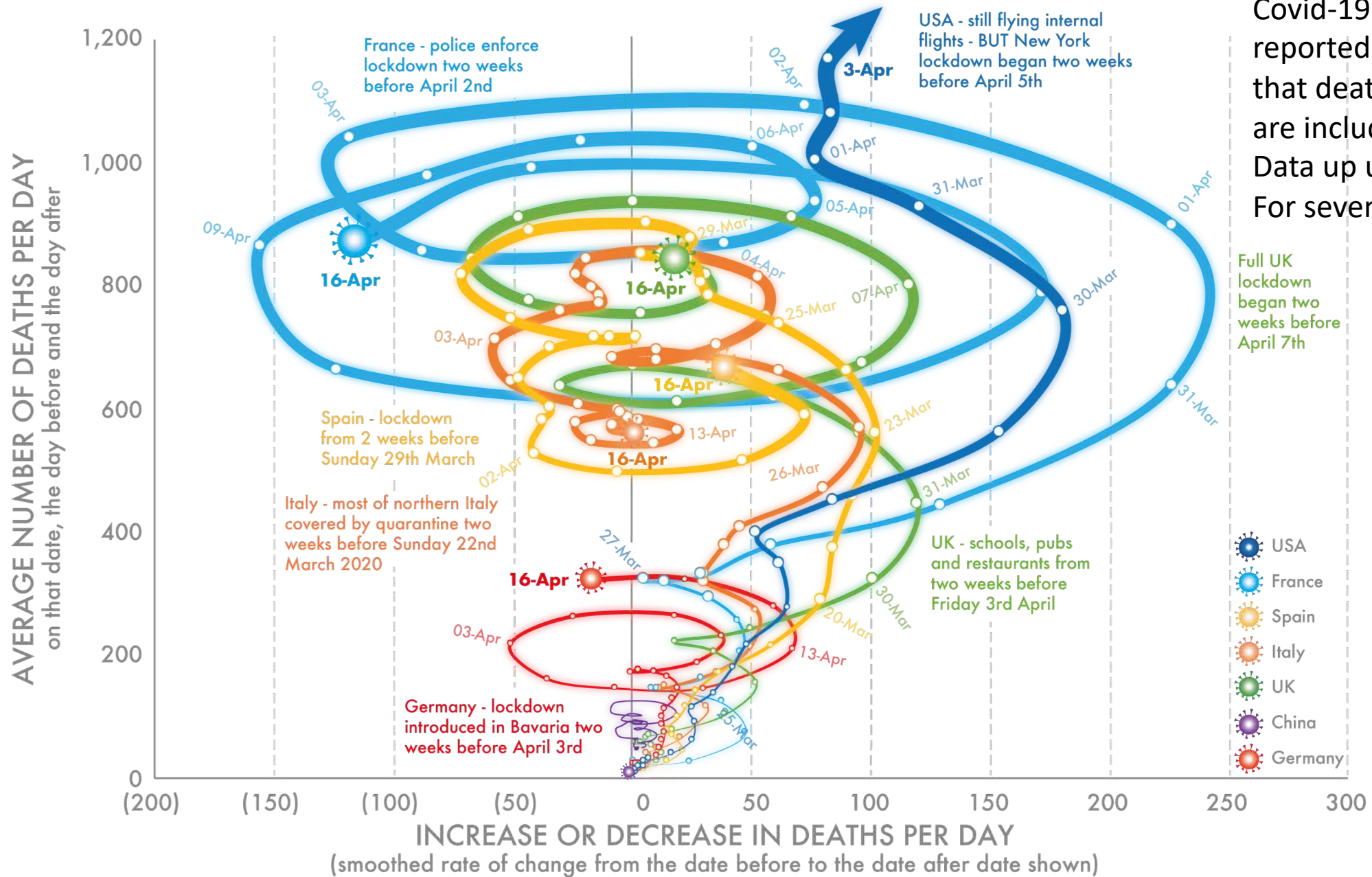
The End of the Great Acceleration— and Why it's Good for the Planet, the Economy, and Our Lives

Danny Dorling

Friday 24<sup>th</sup> April 2020

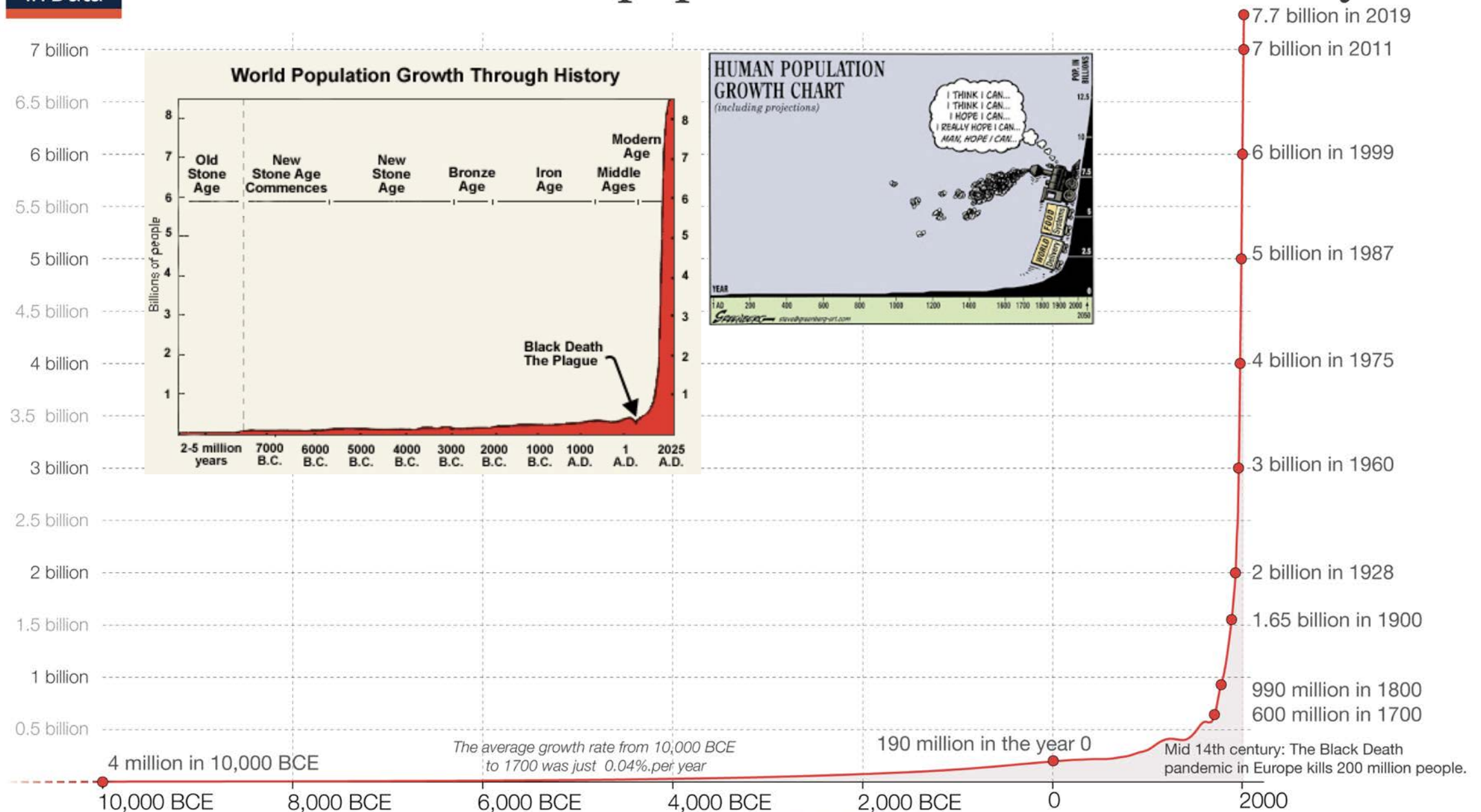
British Sociological Association Annual Conference (on-line in a time of Covid19)





Covid-19 smoothed daily reported figures (note that deaths in care homes are included in France). Data up until April 17<sup>th</sup>. For seven large states.

# The size of the world population over the last 12.000 years

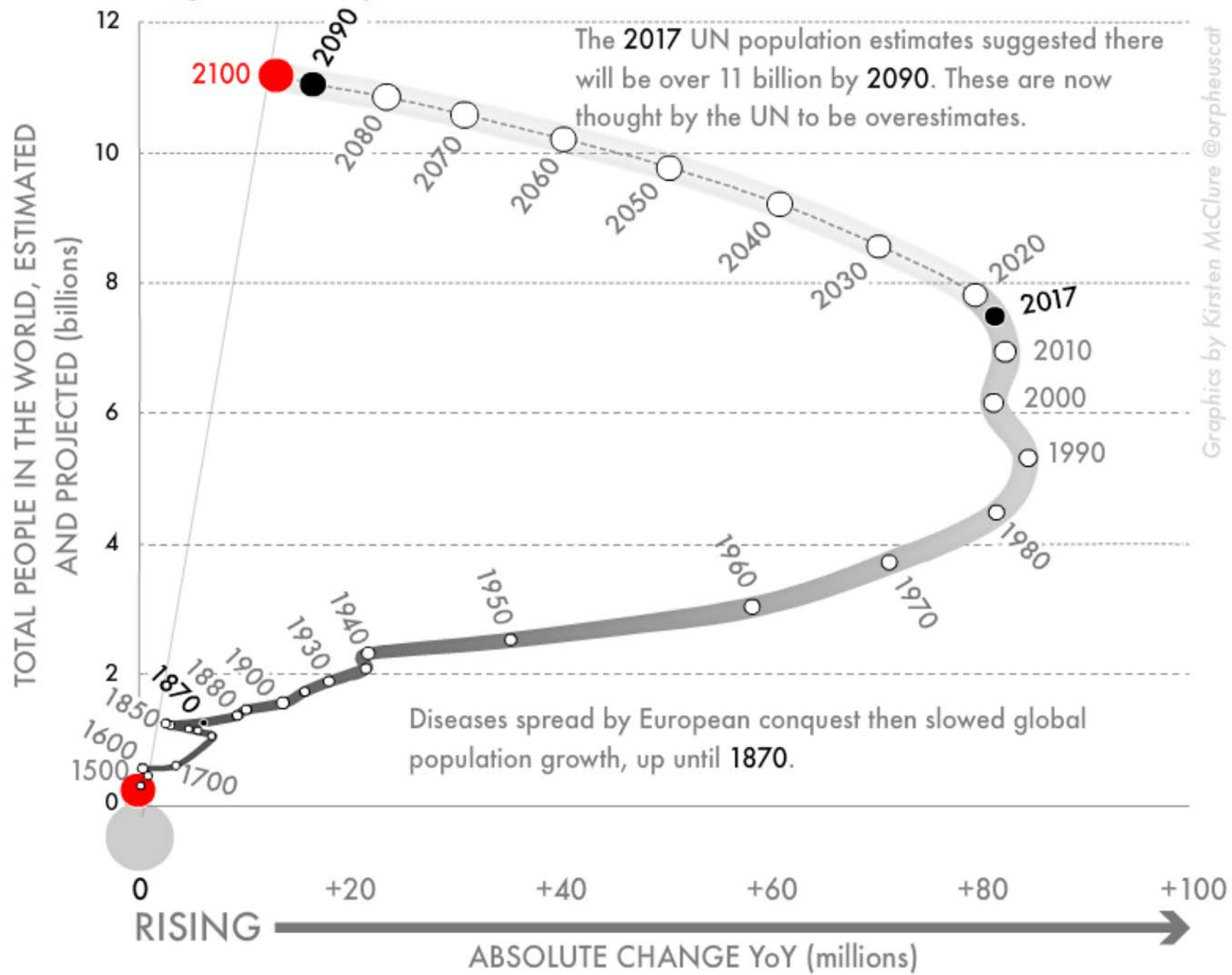


Based on estimates by the *History Database of the Global Environment (HYDE)* and the United Nations. On [OurWorldinData.org](https://OurWorldinData.org) you can download the annual data.

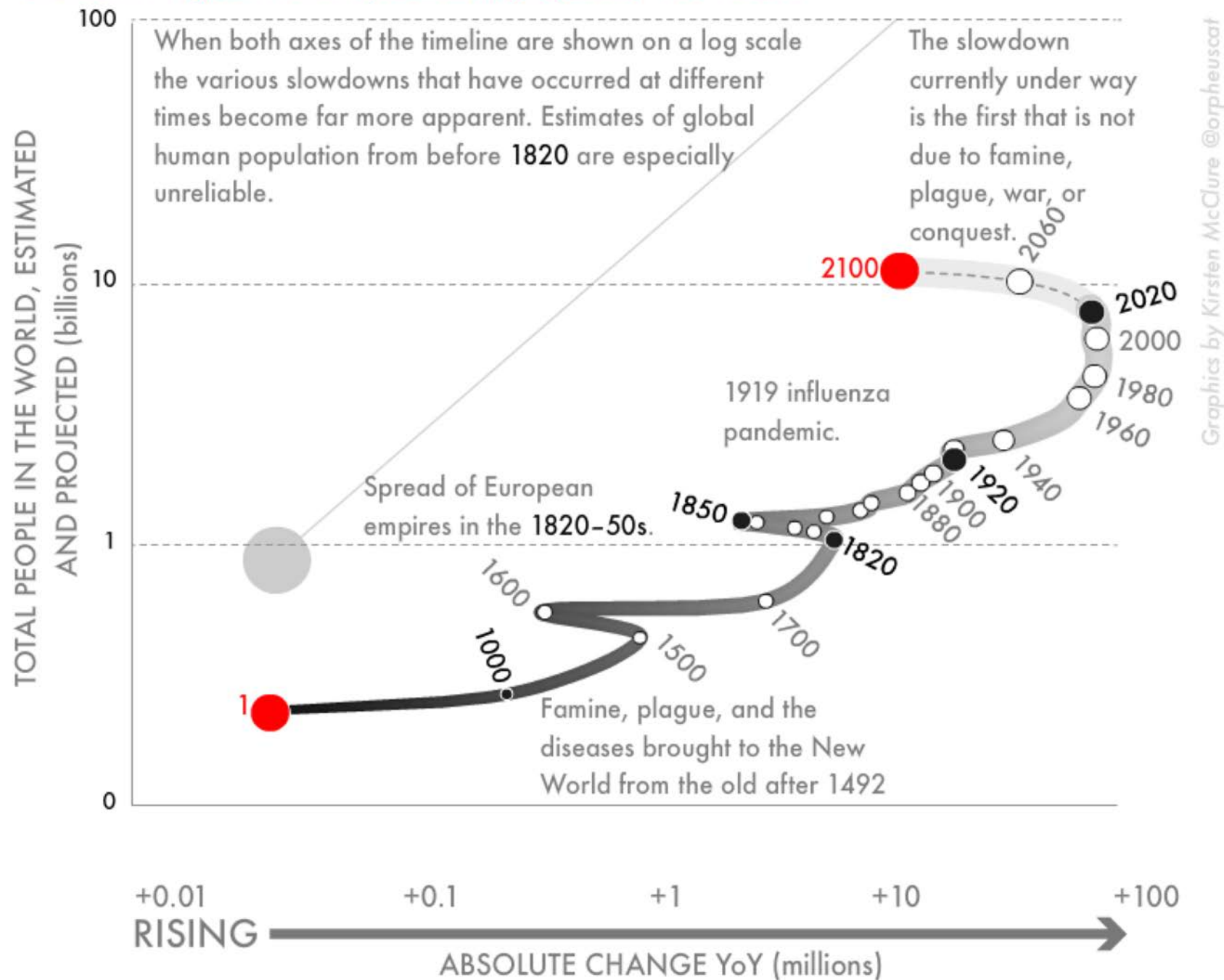
This is a visualization from [OurWorldinData.org](https://OurWorldinData.org), where you find data and research on how the world is changing.

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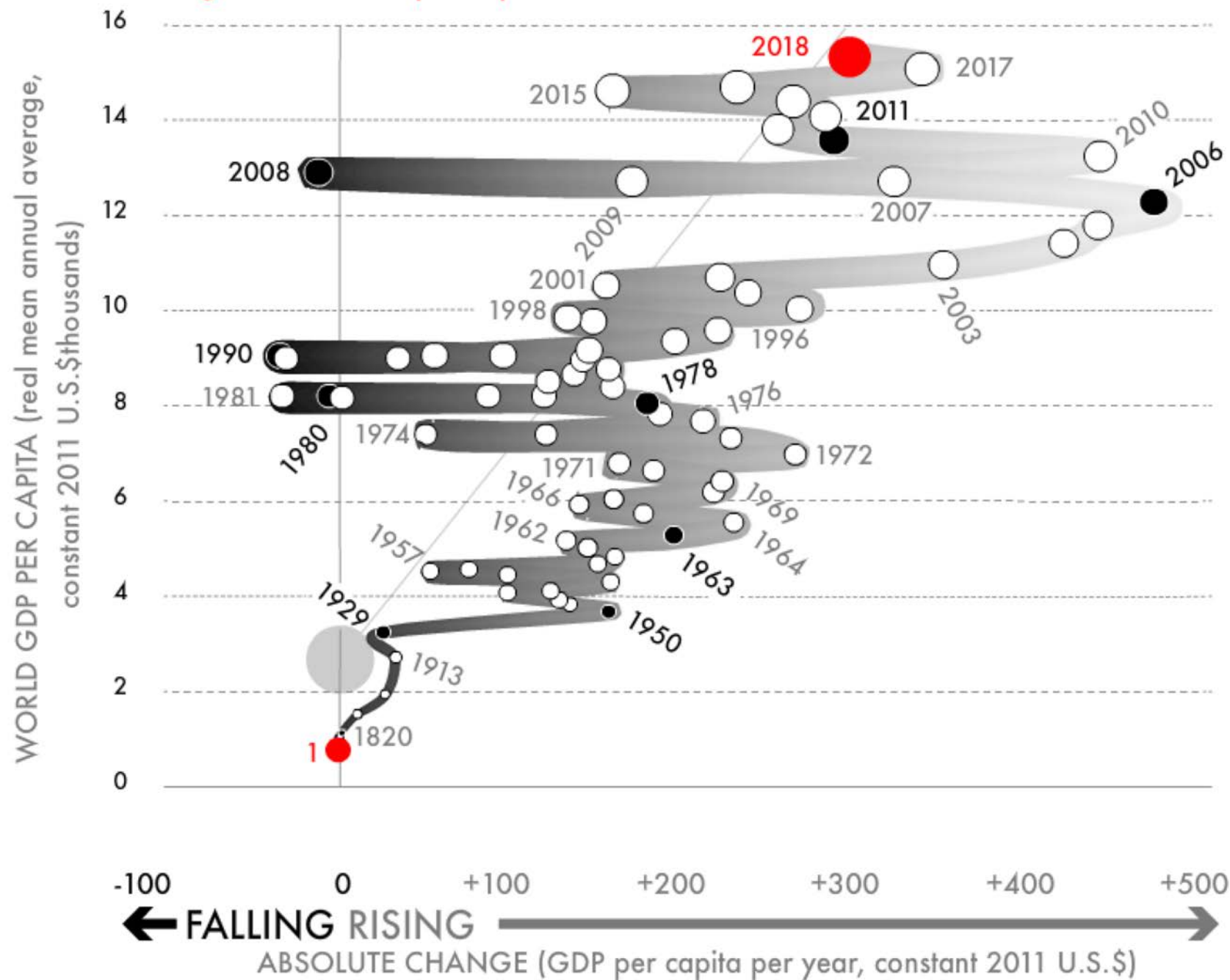
"Slowdown" Fig 21 World Population 1-2100



"Slowdown" Fig 22 World Population (log-log scale) Year 1-2100

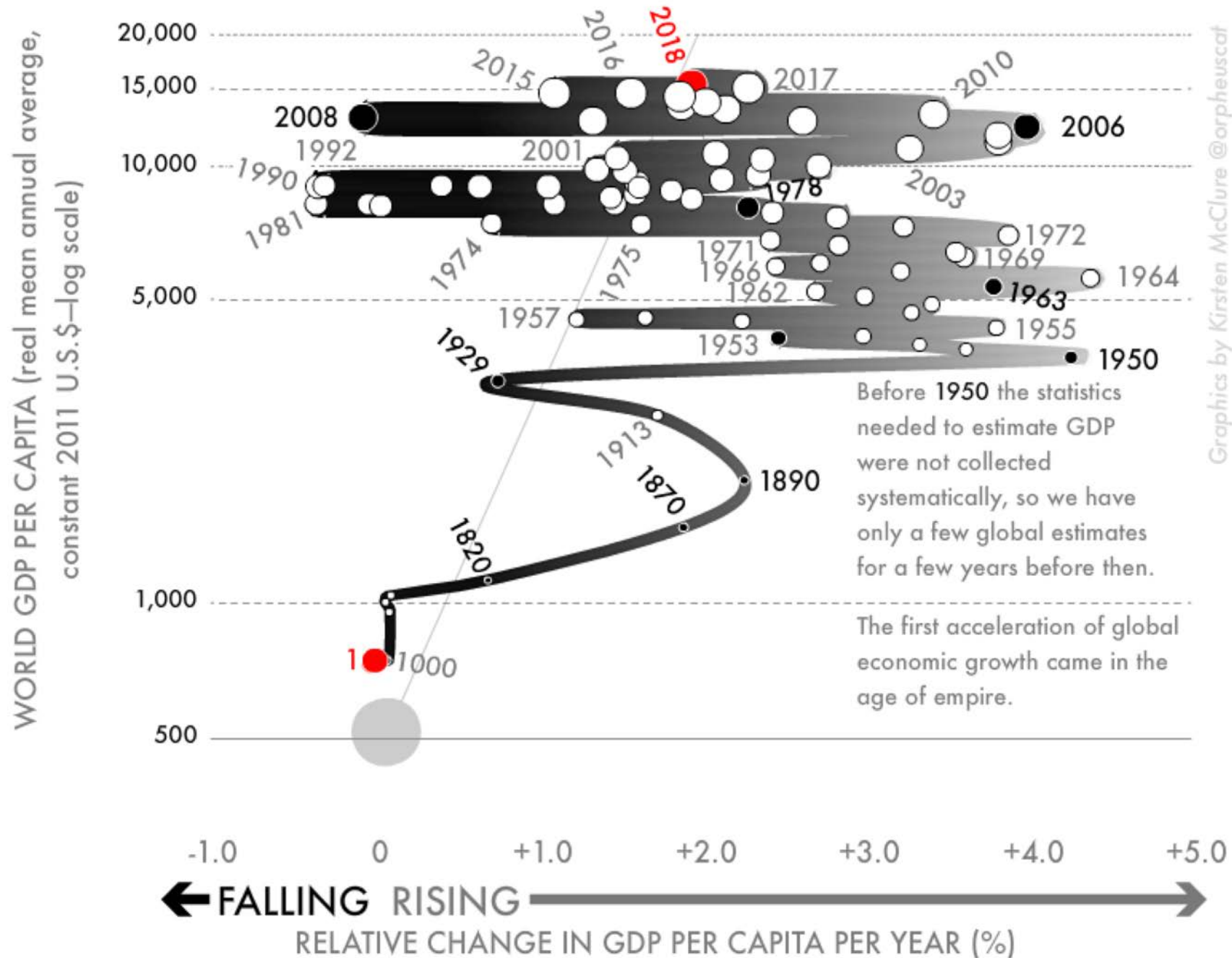


"Slowdown" Fig 47 World GDP per Capita 1-2019

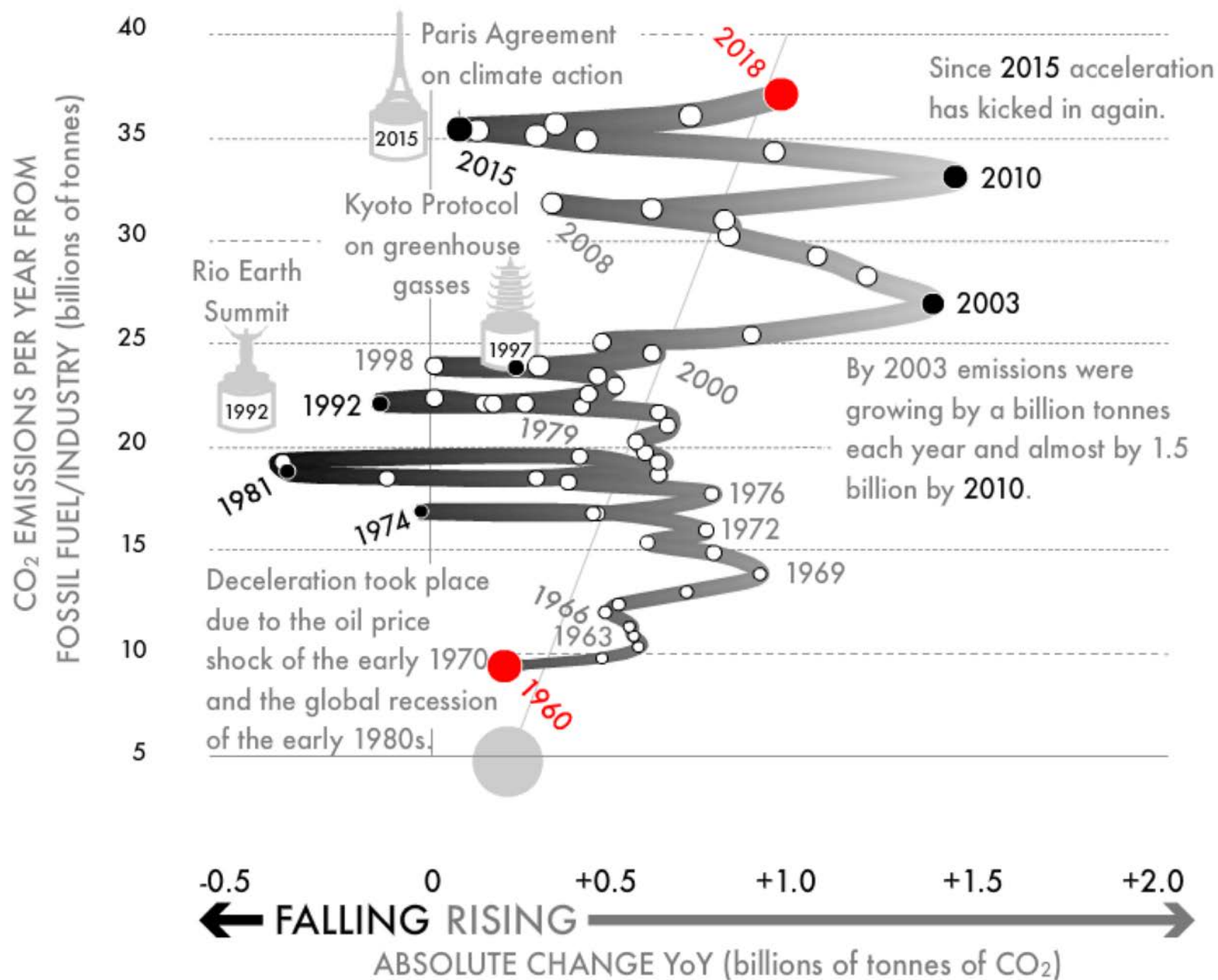


Graphics by Kirsten McClure @orpheuscat

"Slowdown" Fig 60 World GDP per Capita (vertical log scale) year 1-2018

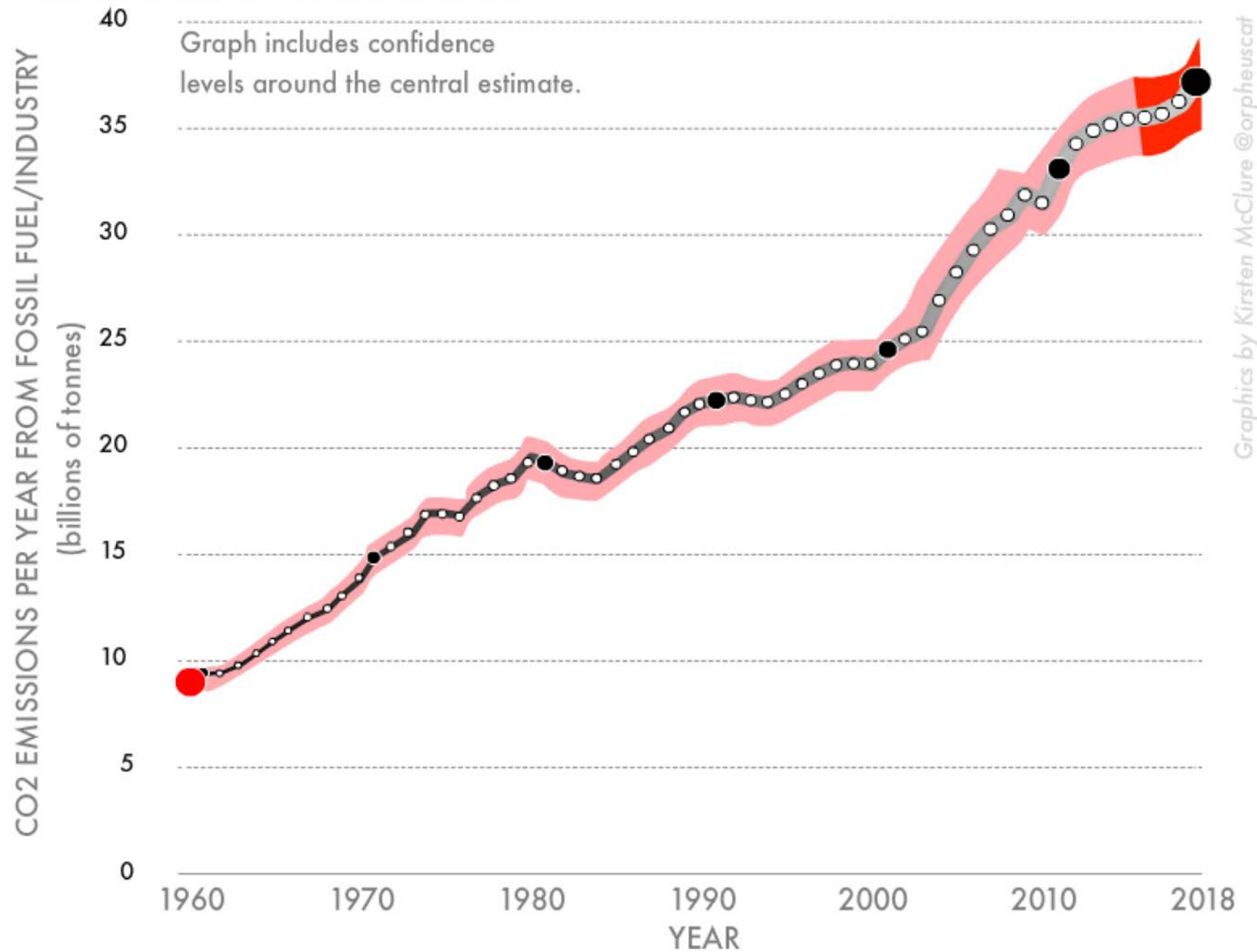


"Slowdown" Fig 16 Emissions 1960-2018



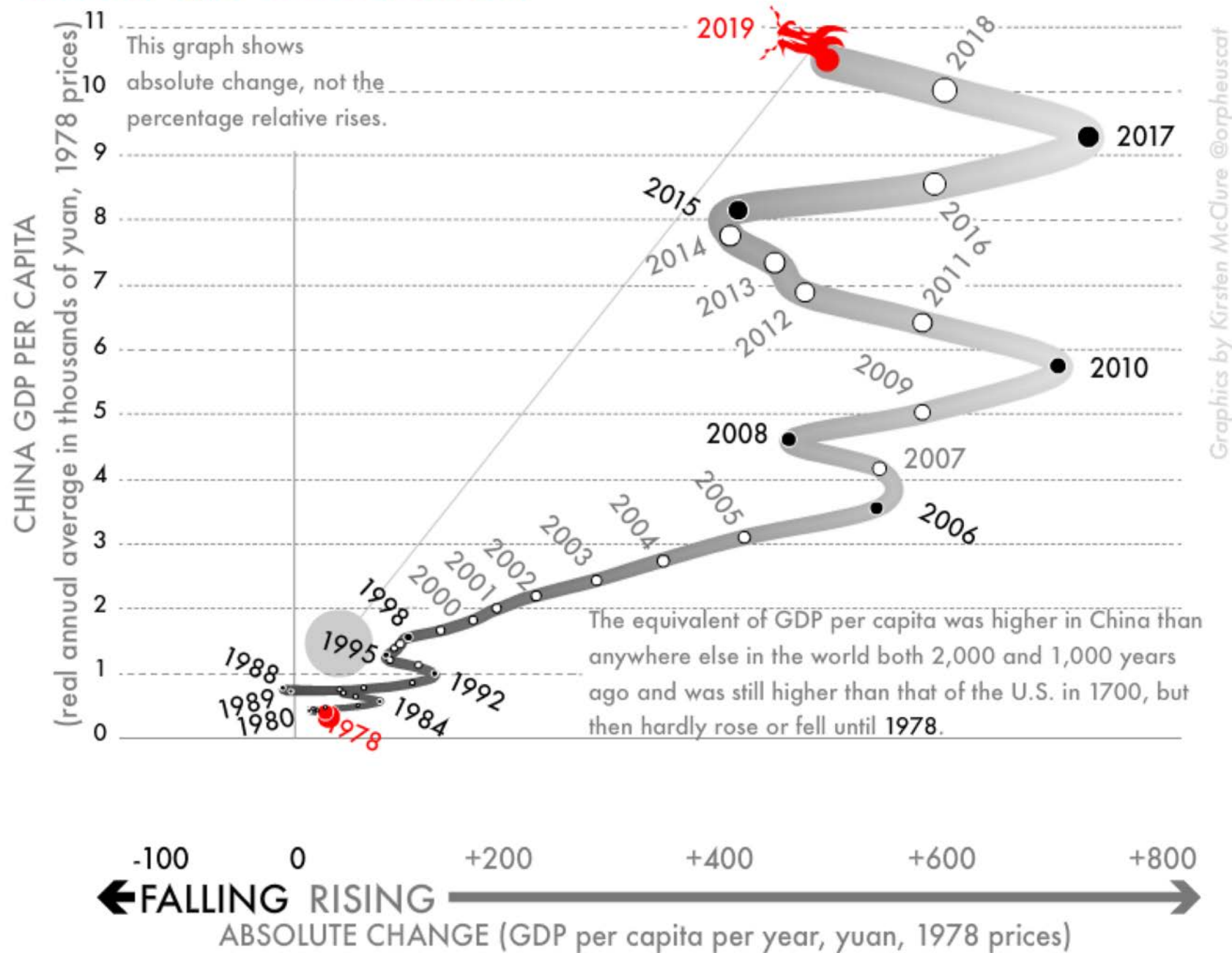
Graphics by Kirsten McClure @orpheuscat

"Slowdown" Fig 15 Emissions 1960-2018

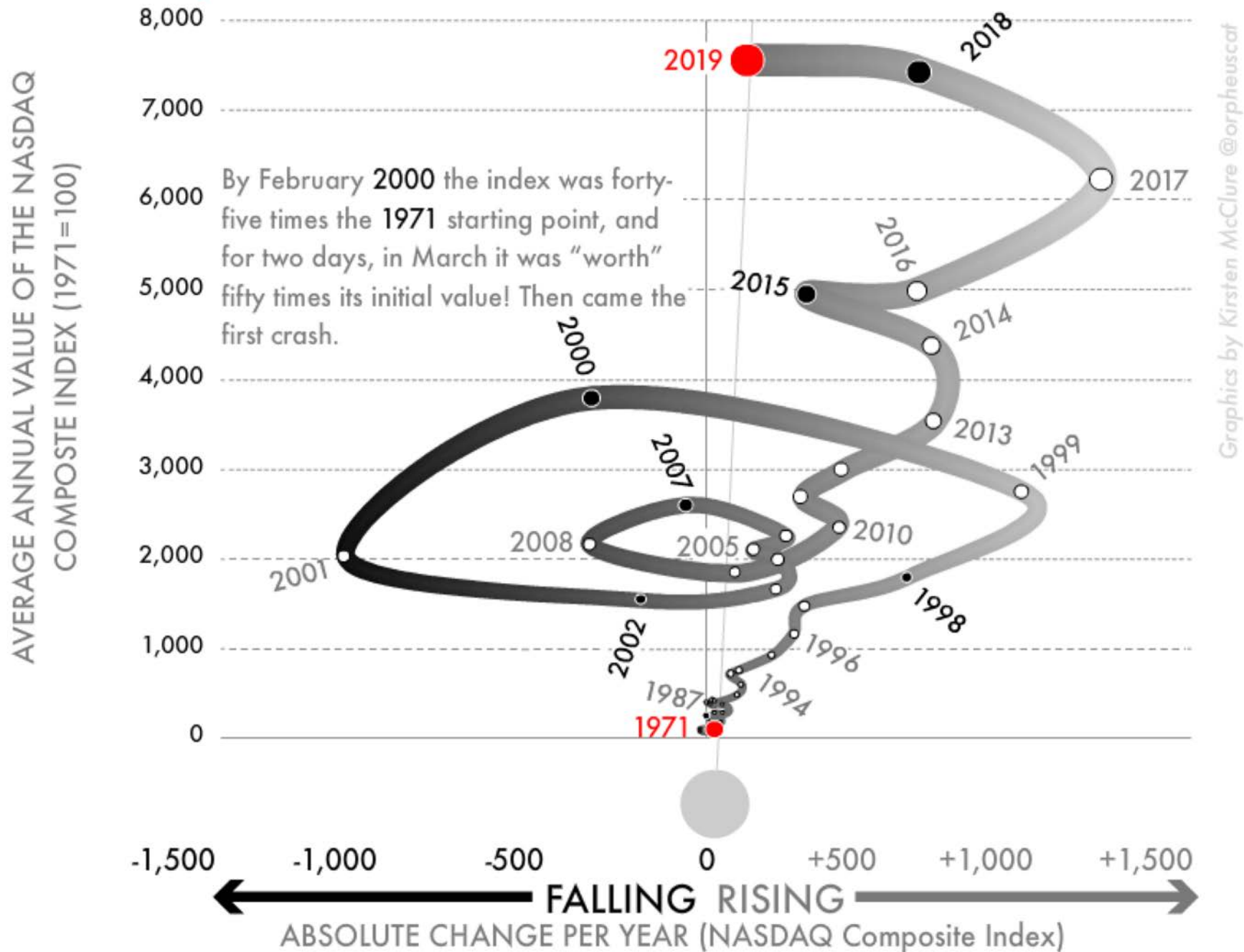




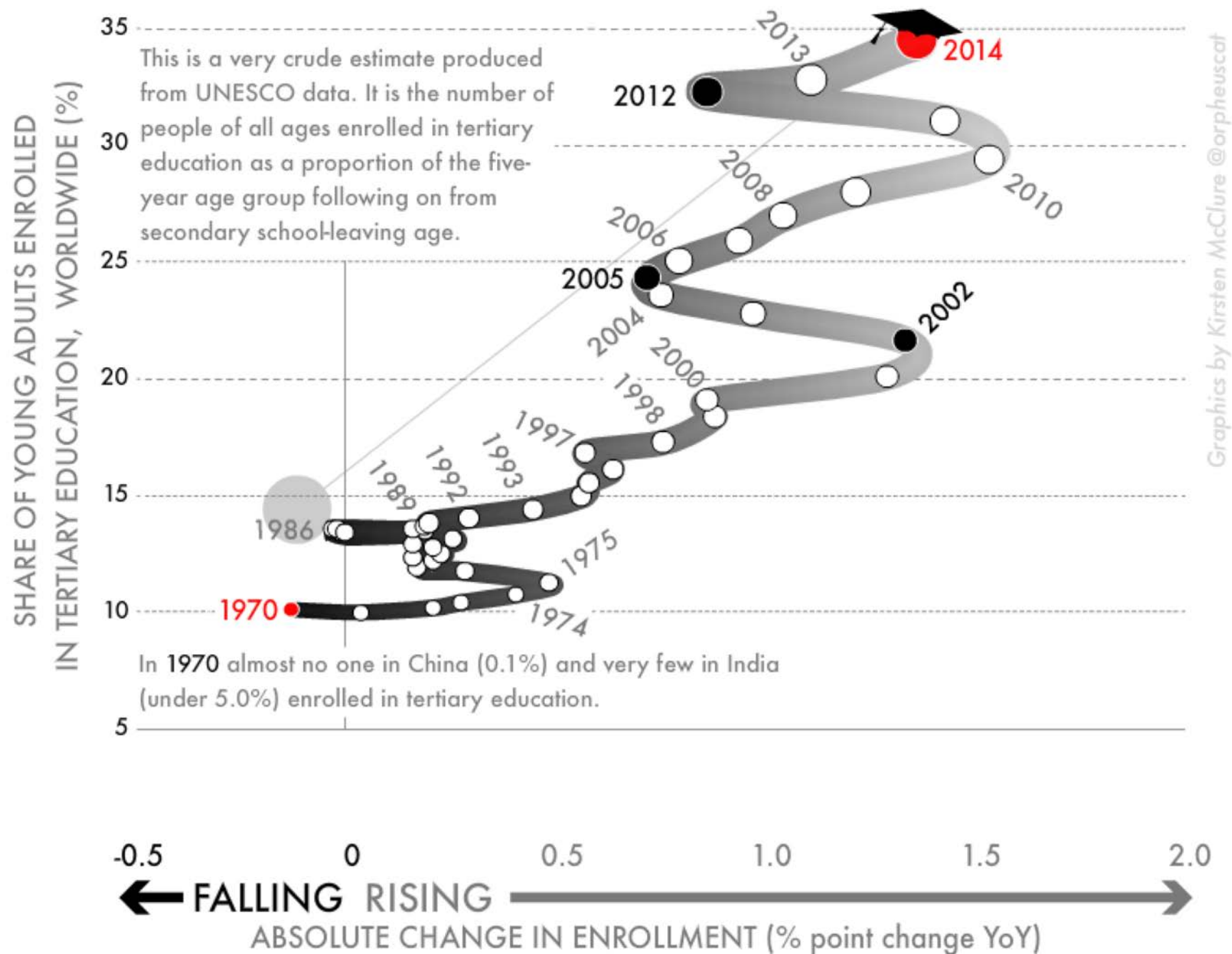
"Slowdown" Fig 49 China GDP 1978-2019



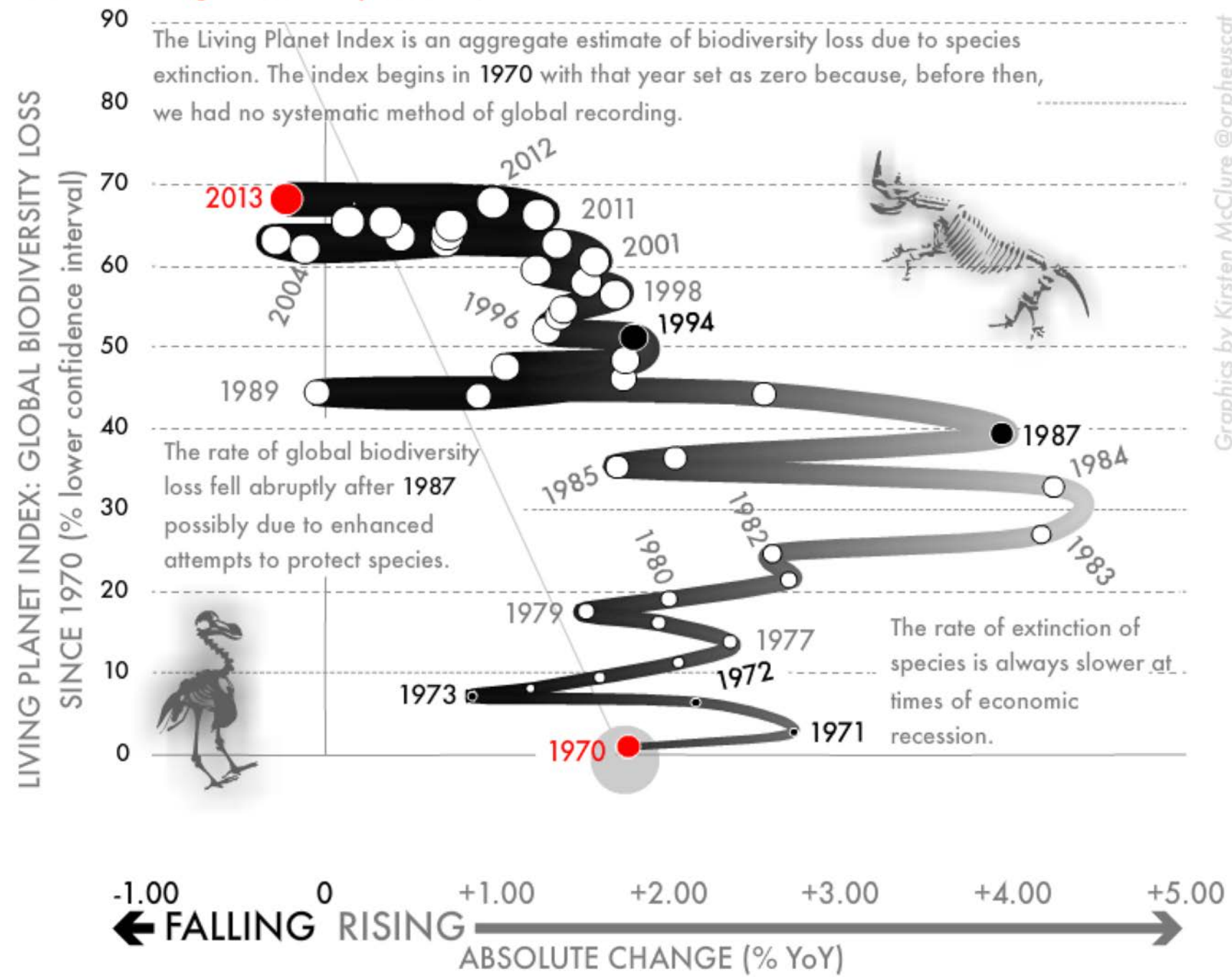
"Slowdown" Fig 54 NASDAQ Stock Price 1971-2019



"Slowdown" Fig 56 World Graduates Share 1970-2014

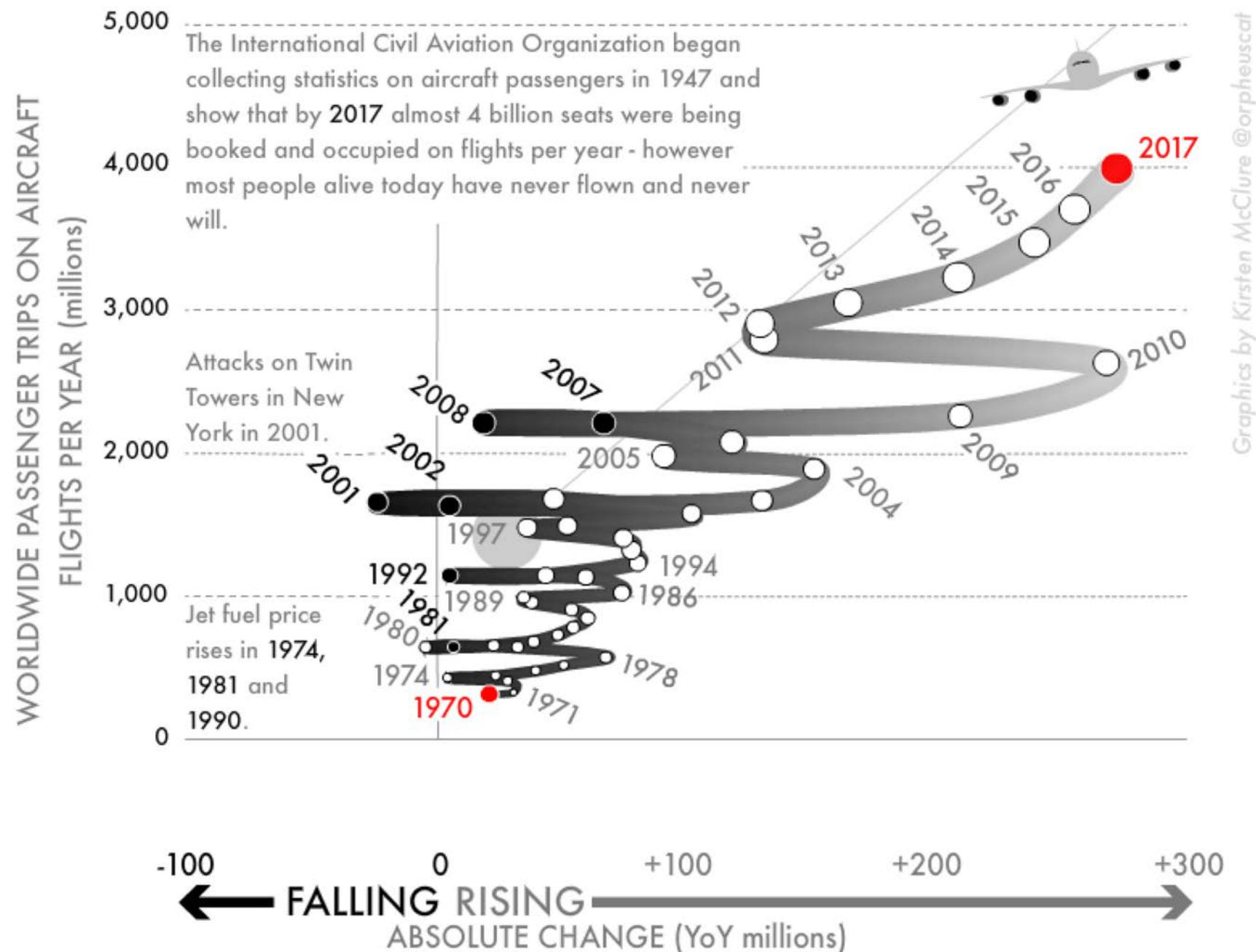


# "Slowdown" Fig 61 World Species 1970-2014

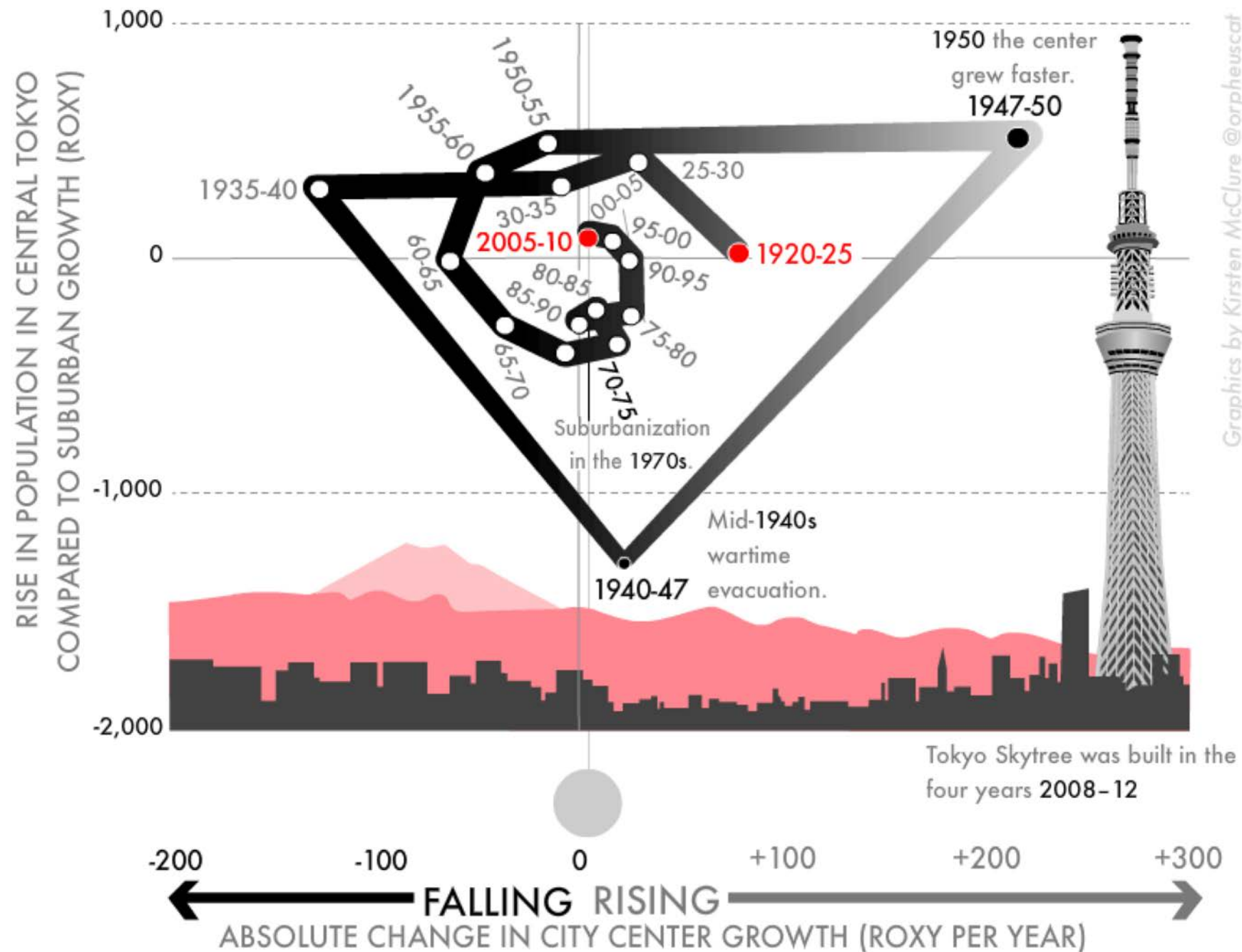


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**"Slowdown" Fig 62 World Air Passengers 1970-2017**



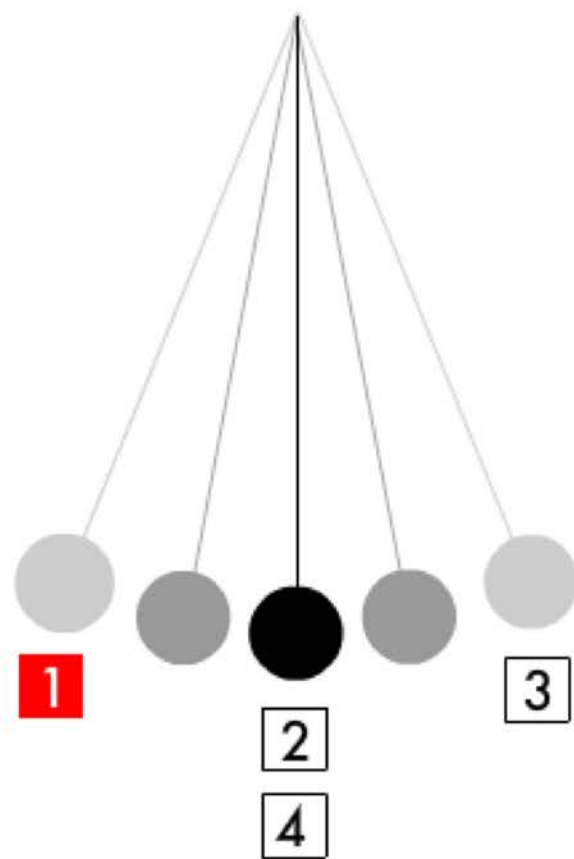
"Slowdown" Fig 65 Tokyo Population and Suburban Growth 1920-2010



Graphics by Kirsten McClure @orpheuscat

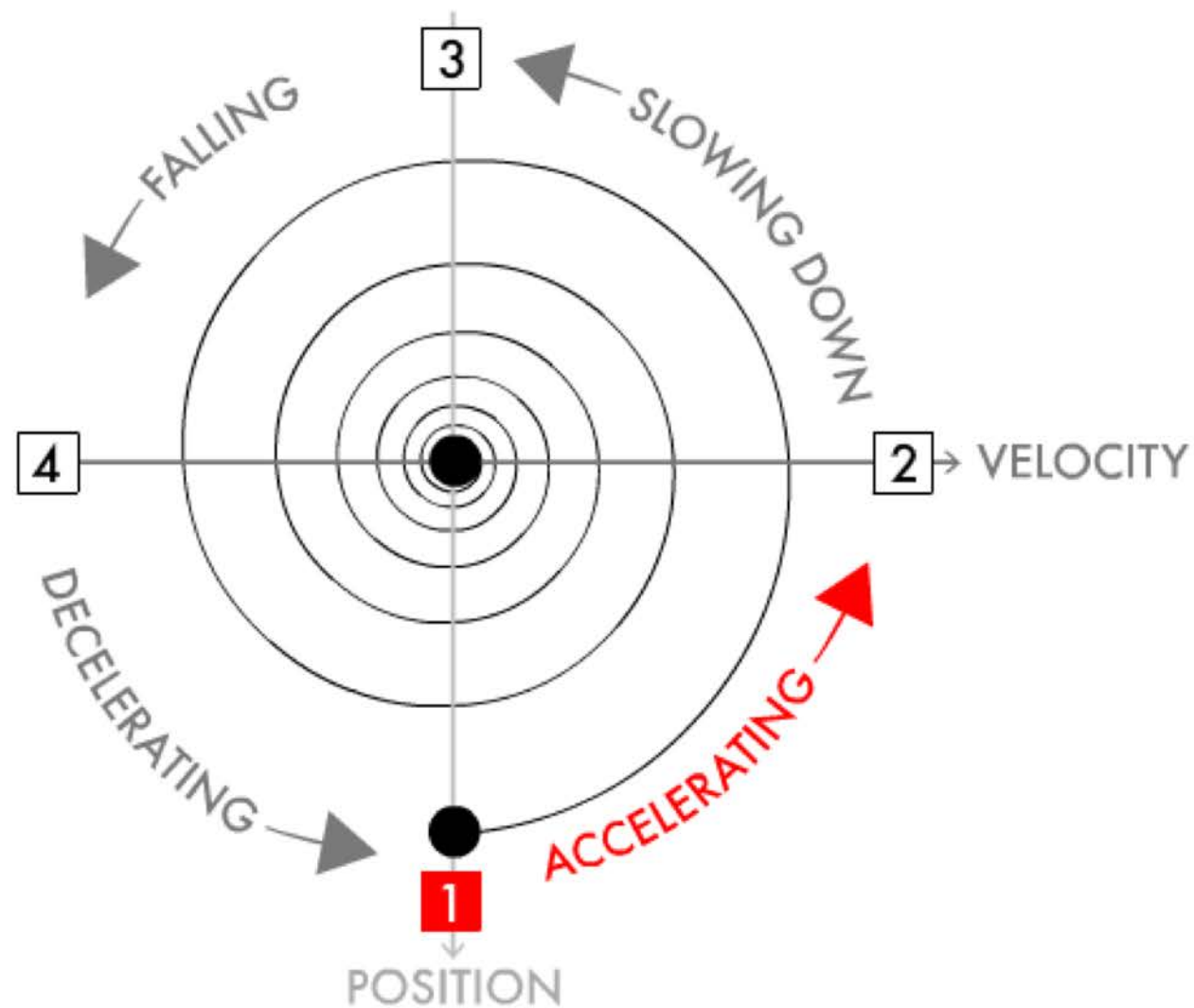
"Slowdown" Figure 67

## Pendulum



Graphics by Kirsten McClure @orpheuscat

## Phase portrait



## Conclusion - **Slowdown**: (The End of the Great Acceleration—and Why It's Good for the Planet, the Economy, and Our Lives)

Great economic inequalities will be hard to sustain during and following slowdown. As things change less, it will become much more difficult to make money out of a shrinking and aging population who may also become savvier and harder to fool with the allure of the “new”.

Slowdown means goods lasting longer; it means less waste. It means that many of the things that we currently think of as great social and environmental problems will not be problematic in future. We will, of course, have new problems—most of which we cannot even imagine right now.

