

Economic and Financial Outlook

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September 2017

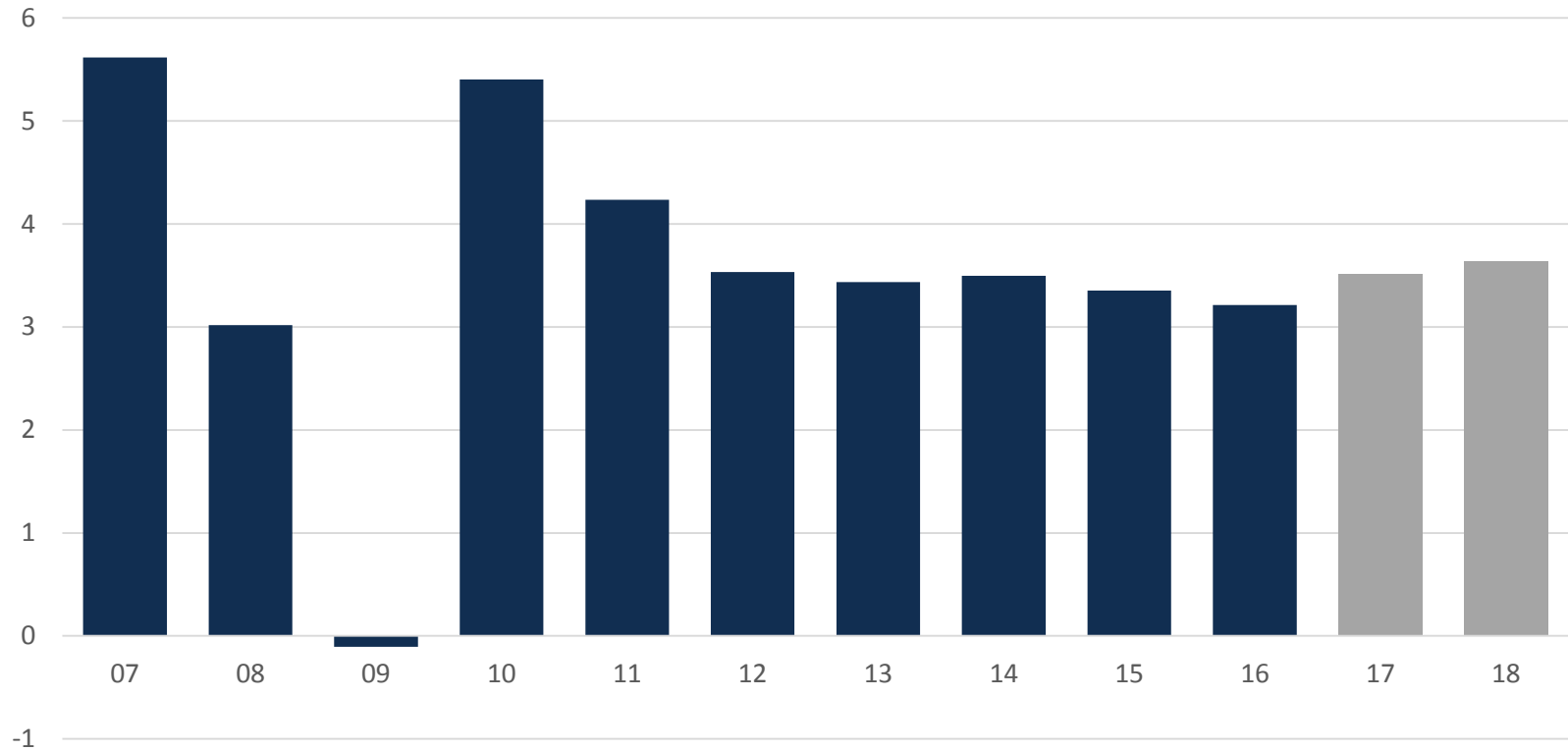


Economic Normalisation



World Economy Seeing Stronger Growth

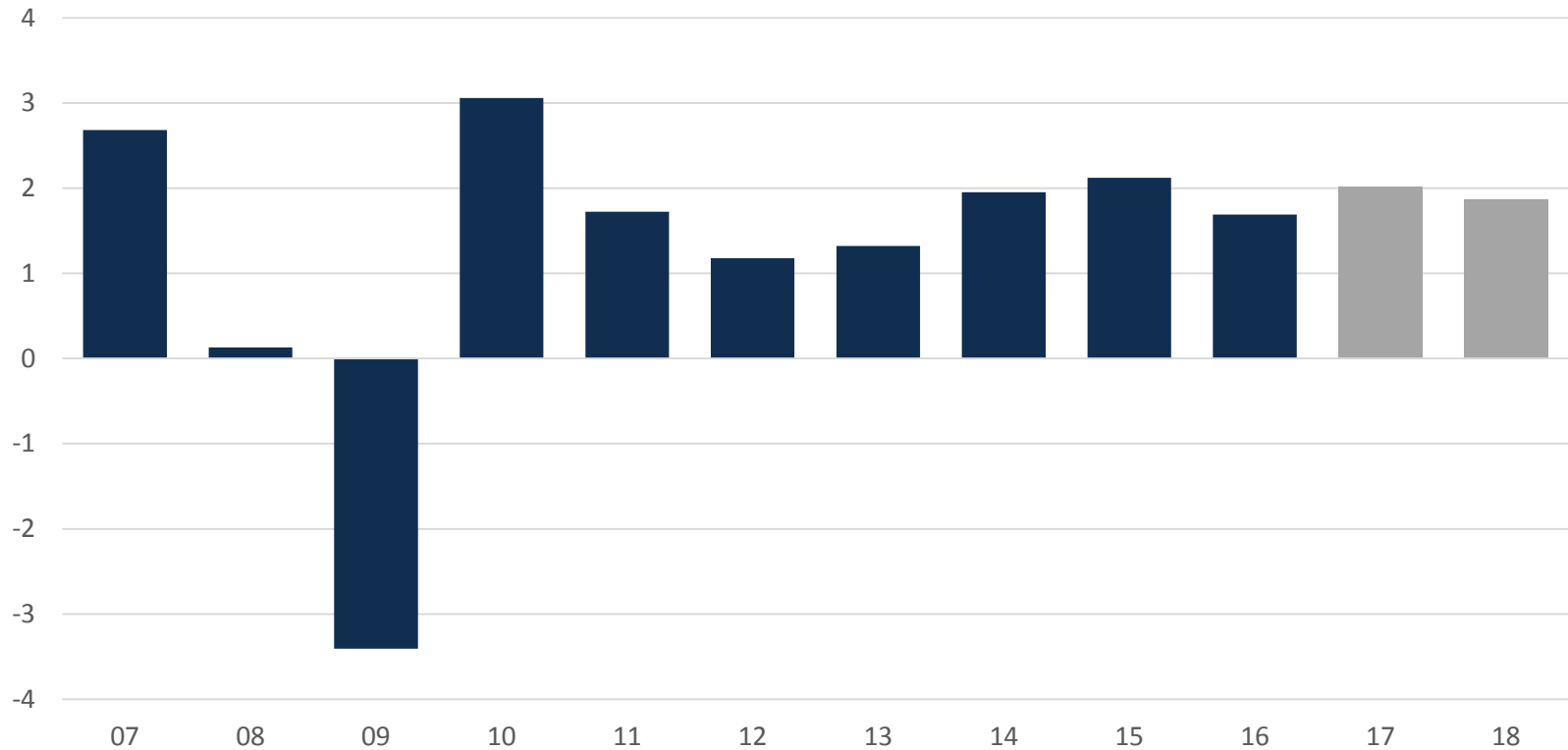
IMF World GDP Growth (y/y, %)





Advanced Economies Modest but Improving

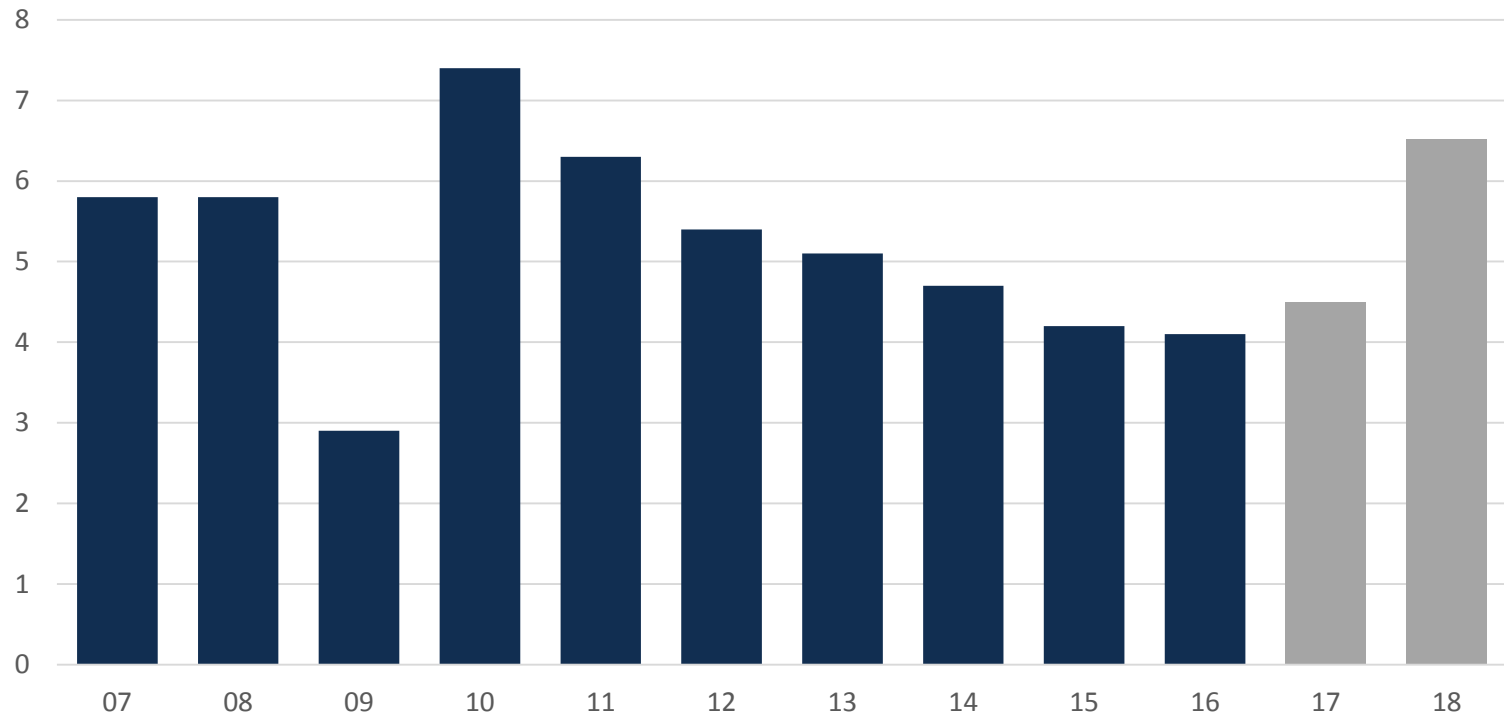
IMF Advanced Economies GDP Growth (y/y, %)





Growth in emerging economies recovering

IMF Developing Economies GDP Growth (y/y, %)





Global Trade Has Turned the Corner

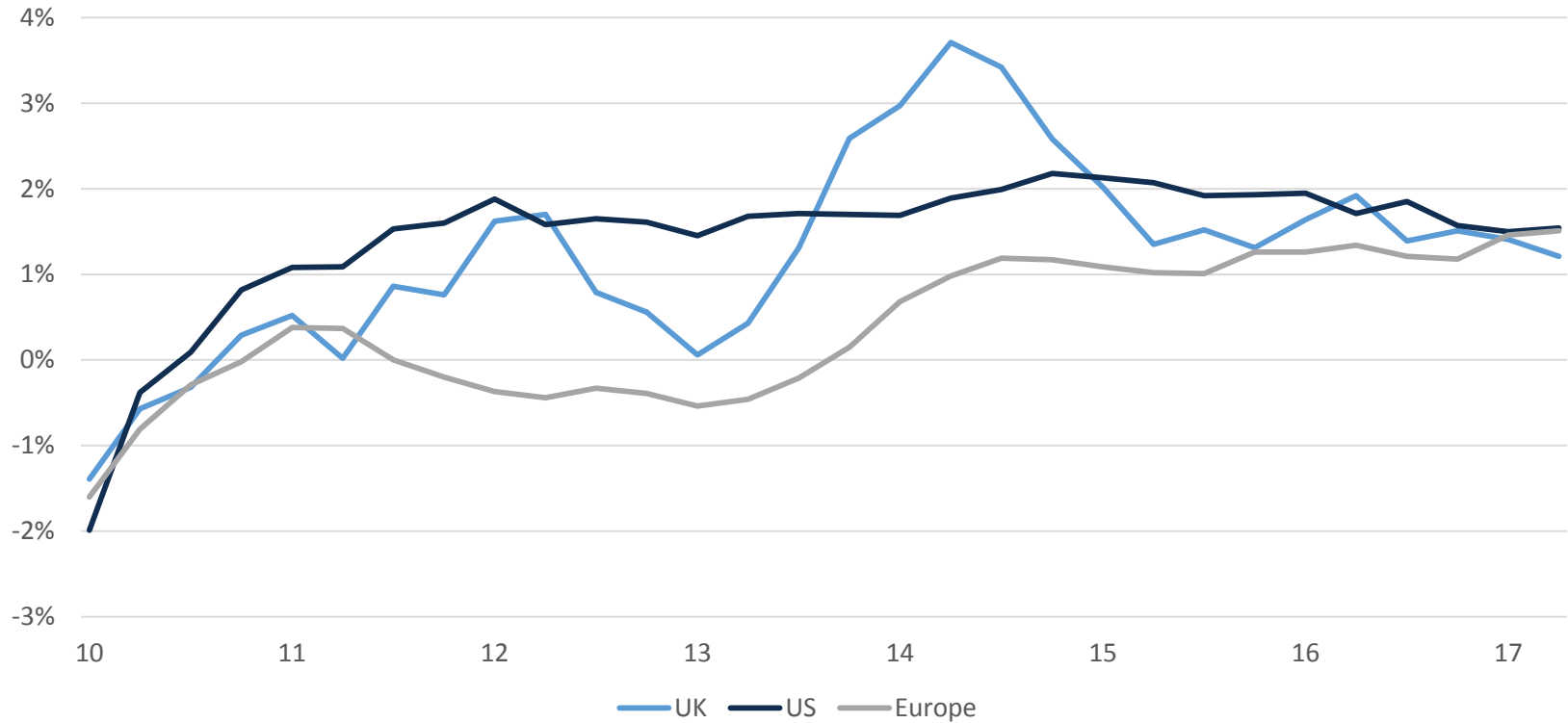
Annual Growth Rates (3m avg., y/y)





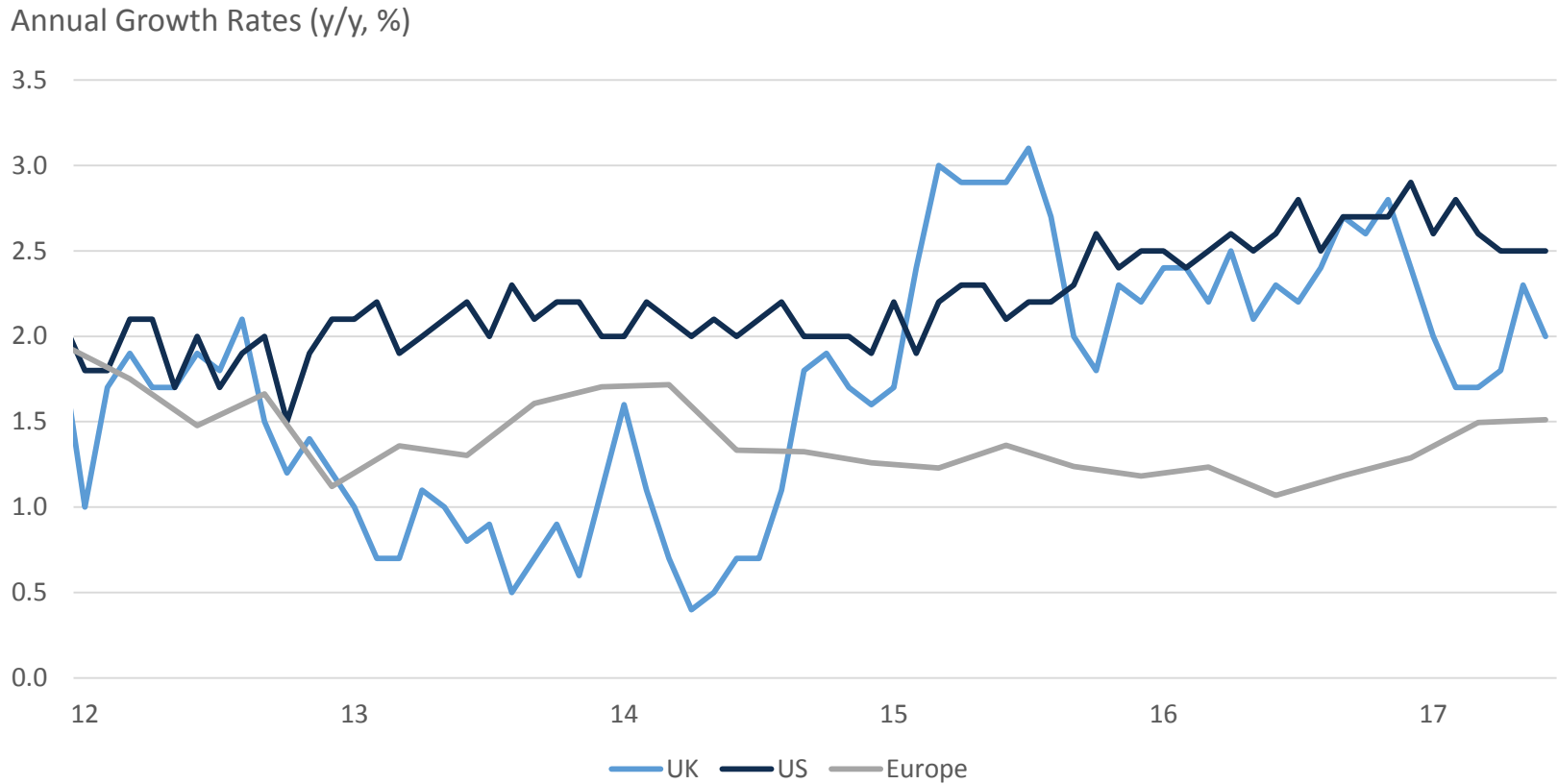
Employment Gains are Robust in the West

Annual Growth Rates (y/y, %)





Hypernormalisation: Wages Vary and Disappoint





Structural pressures supressing wages

Structural downward pressure on wages & costs

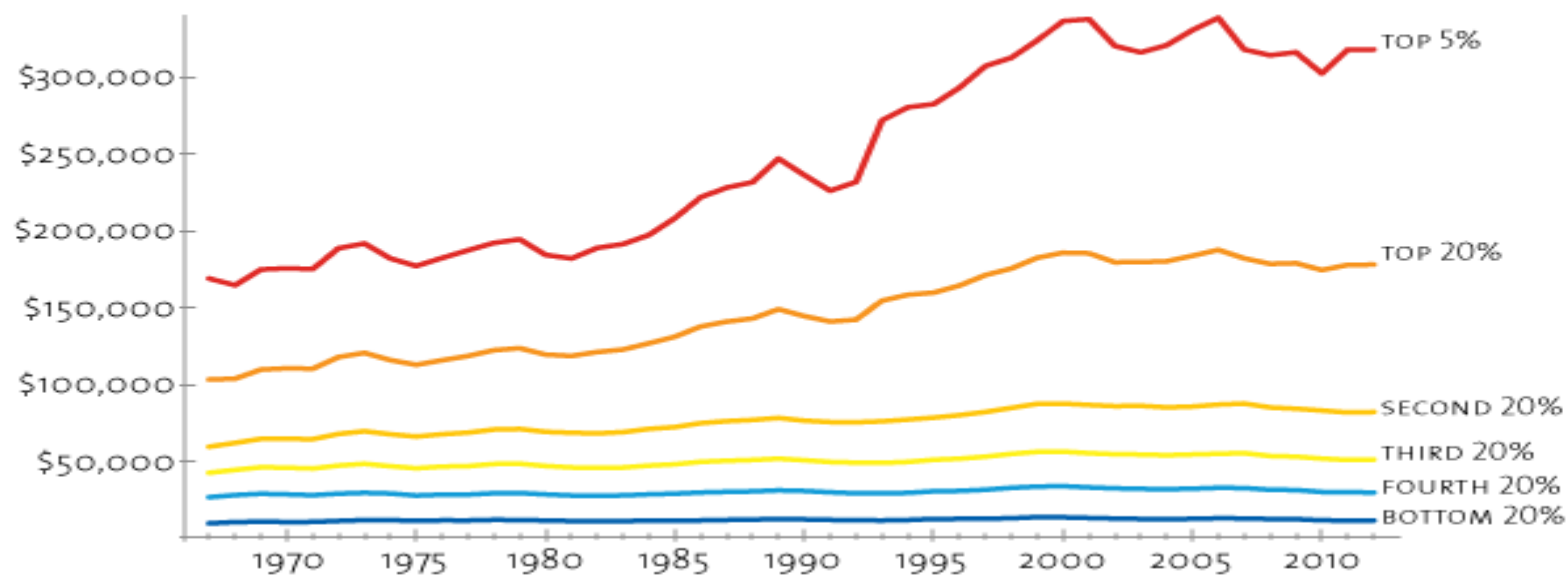




Populism: diverging income growth (US)

Average Household Income, 1967-2012

in 2012 dollars, by percentile



SOURCE: CENSUS BUREAU

Mother Jones

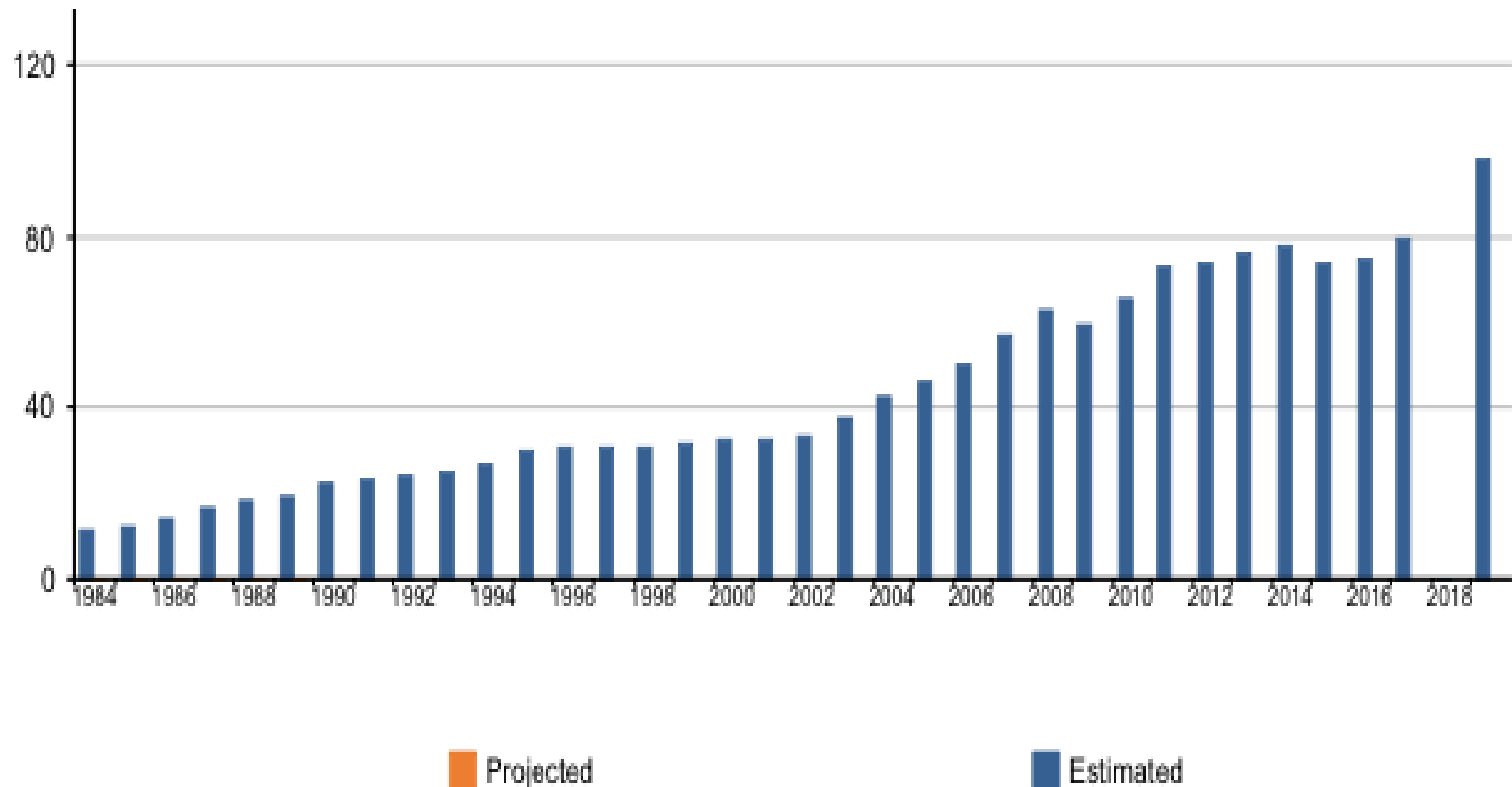


Think of the world in terms of an economic cake





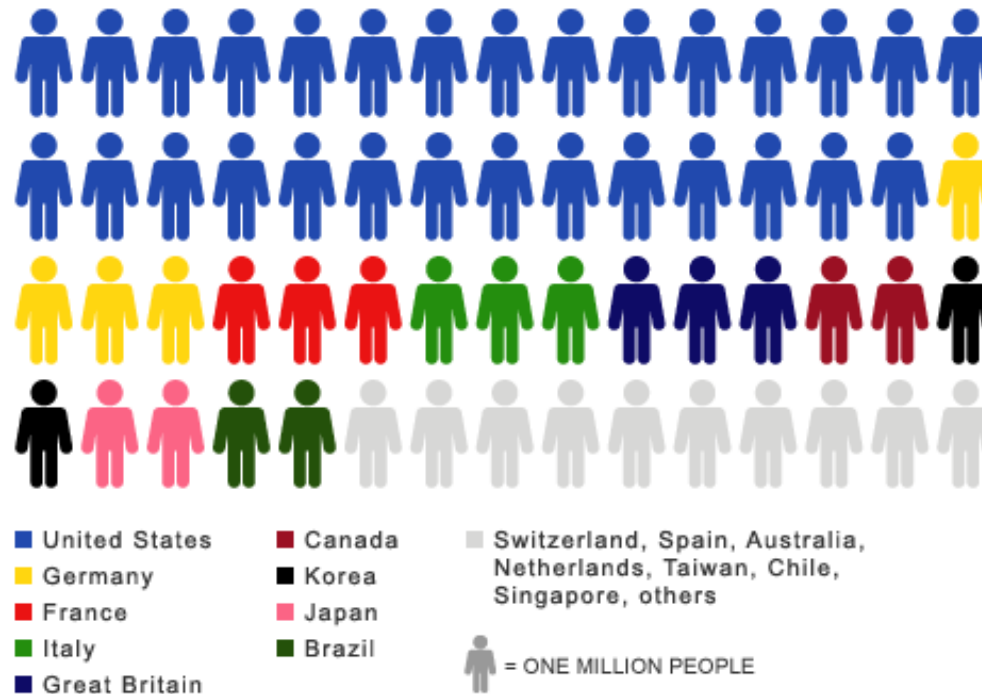
And it is getting bigger





But where are the gains going

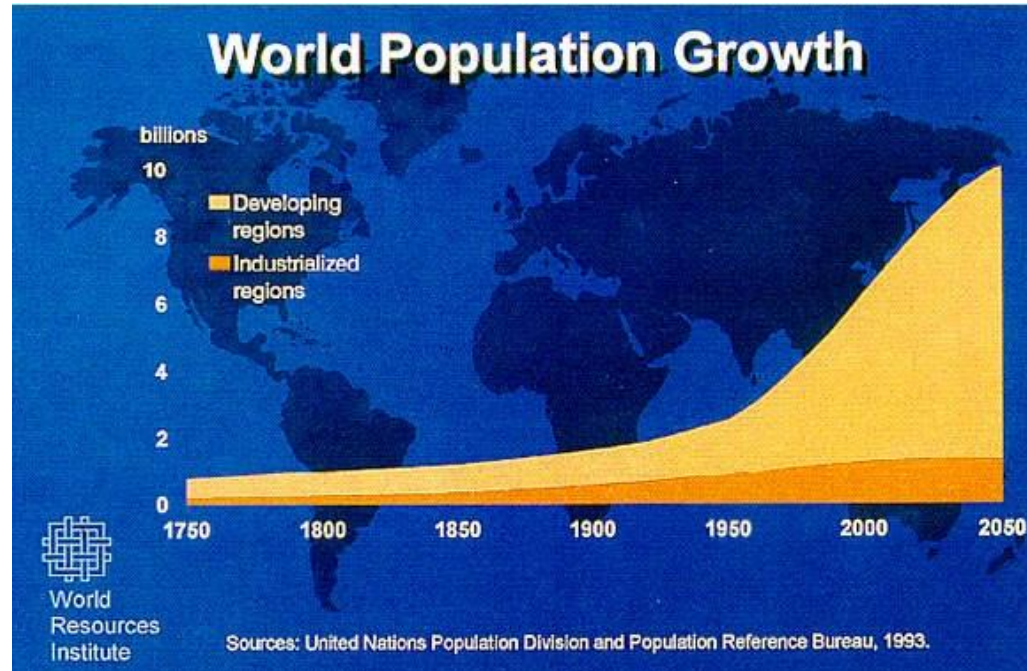
THE WORLD'S RICHEST 1%



SOURCE: THE HAVES AND THE HAVE-NOTS, BY WORLD BANK ECONOMIST BRANKO MILANOVIC



Perspiration: more people





Innovation and globalisation





Urbanisation: a powerful influence





Inspiration and the new industrial revolution

- 1st UK 1780-1850
- 2nd USA, Germany, Russia, Late 19th Century
- 3rd USA & West, Second half 20th Century
- 4th Globally, last quarter century



Phenomenal change:

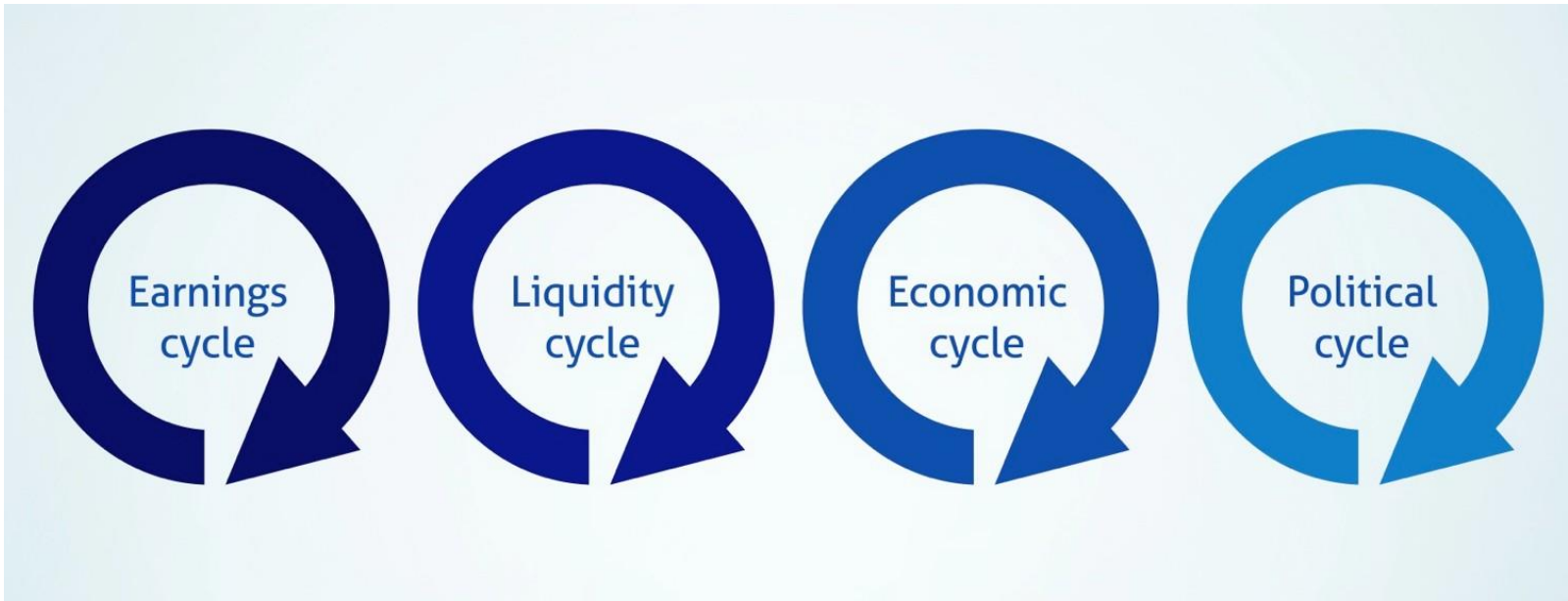
- Genomics, Life sciences, Stem cell research
- Artificial intelligence, Robotics
- Green revolution
- Cleantech, Biotech, Nanotech, FinTech, Tech!
- Ability to produce customised goods in remote places using digital technology & 3D printing
- Even areas such as waste
- Enhanced connectivity
-Supply creates its own demand



Policy Normalisation



Changing nature of cycles





Central banks: shock absorber





The Fed's Balance Sheet to Shrink Soon

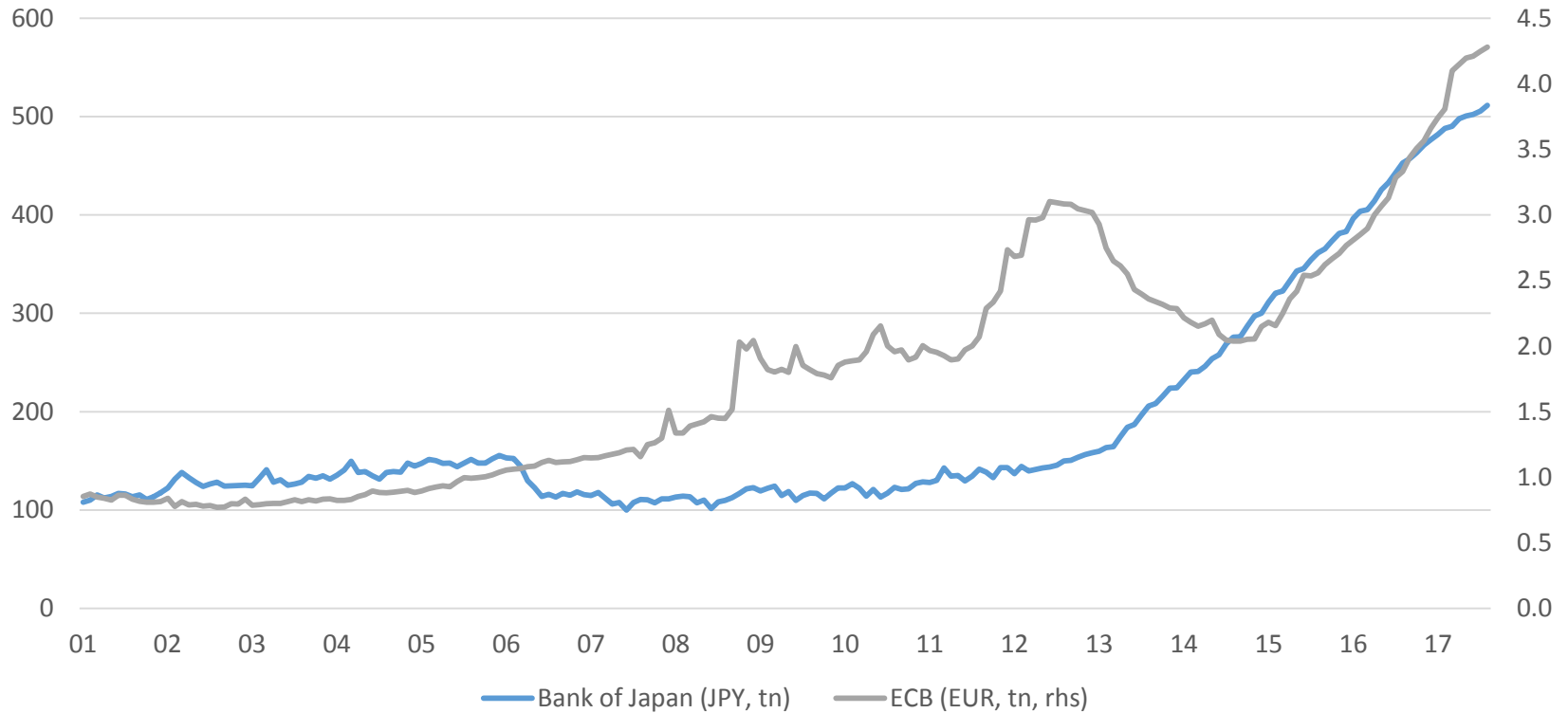
US Federal Reserve (USD, mn)





...but ECB and BoJ have continued to Print

Bank of Japan & European Central Bank Balance Sheets



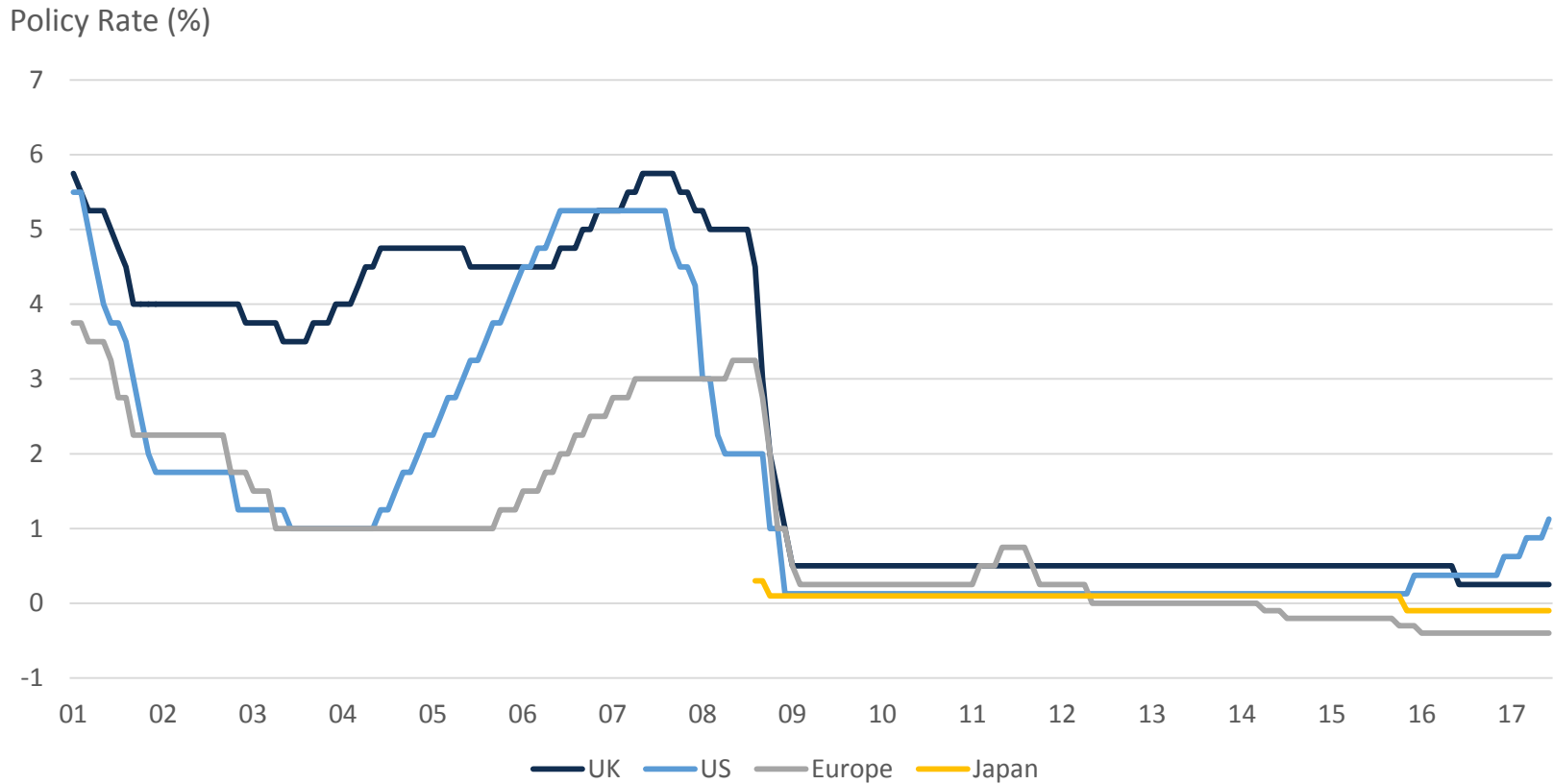


Are interest rates too low?

- What constitutes a risk free asset?
- Are markets pricing properly for risk?
- Can markets and economies cope with tightening and are they vulnerable to shocks ?



Central Banks to Normalise Rates at their Own Pace





UK Inflation to Peak Soon

Consumer Price Index (y/y, %)





Hard to Sustain High Headline Inflation in the West

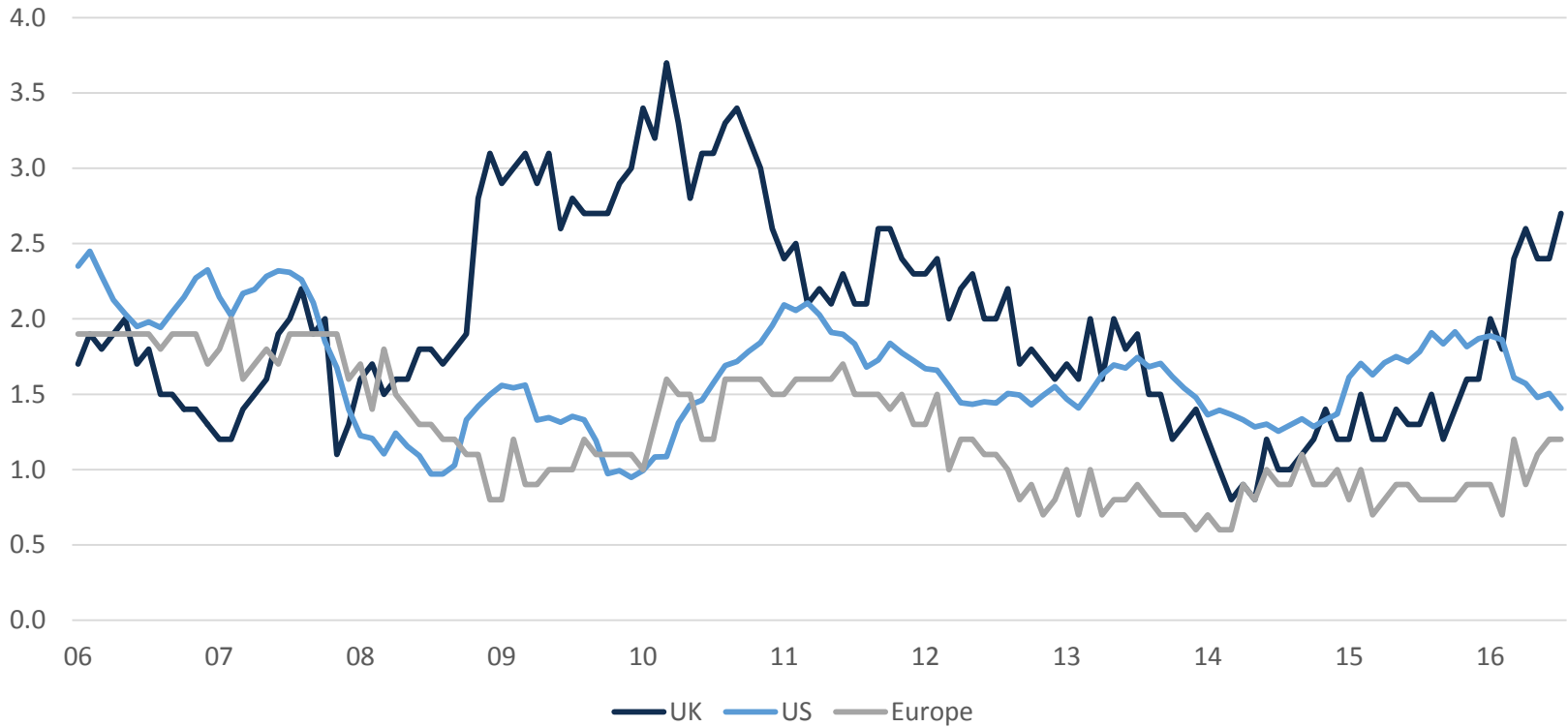
Consumer Price Indices (y/y, %)





Core Inflation Needs Close Monitoring

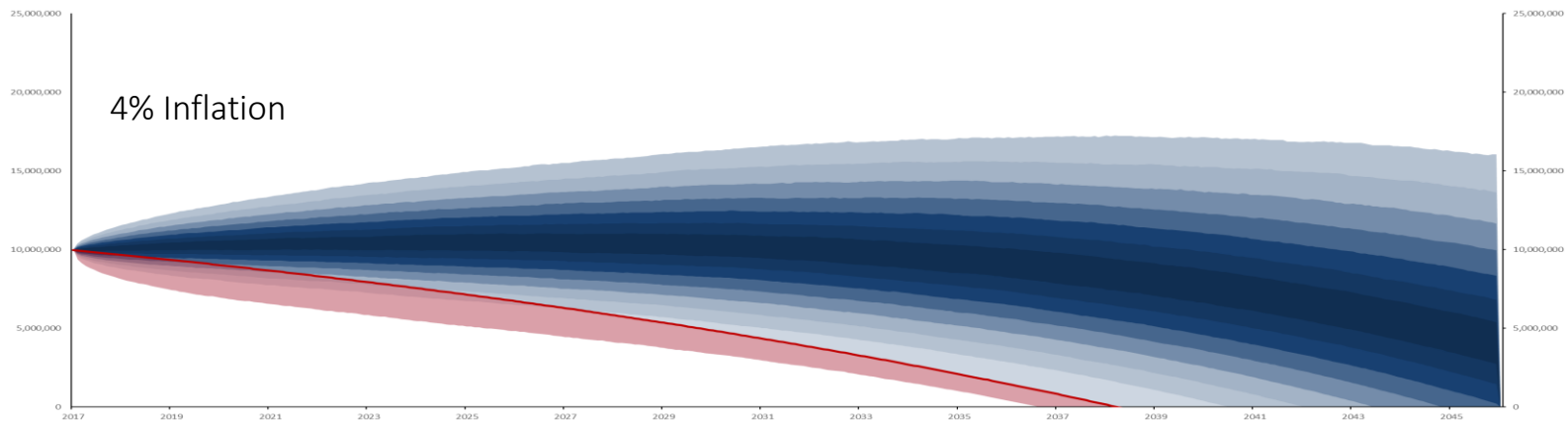
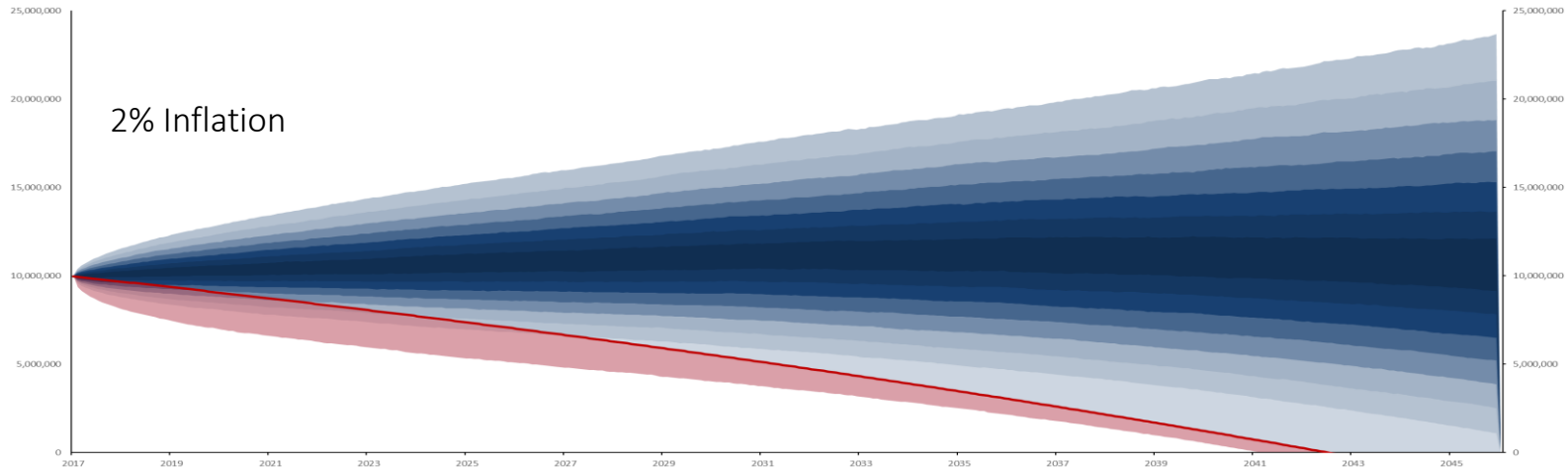
Core Consumer Price Indices (y/y, %)





The Portfolio Impact of Higher Inflation

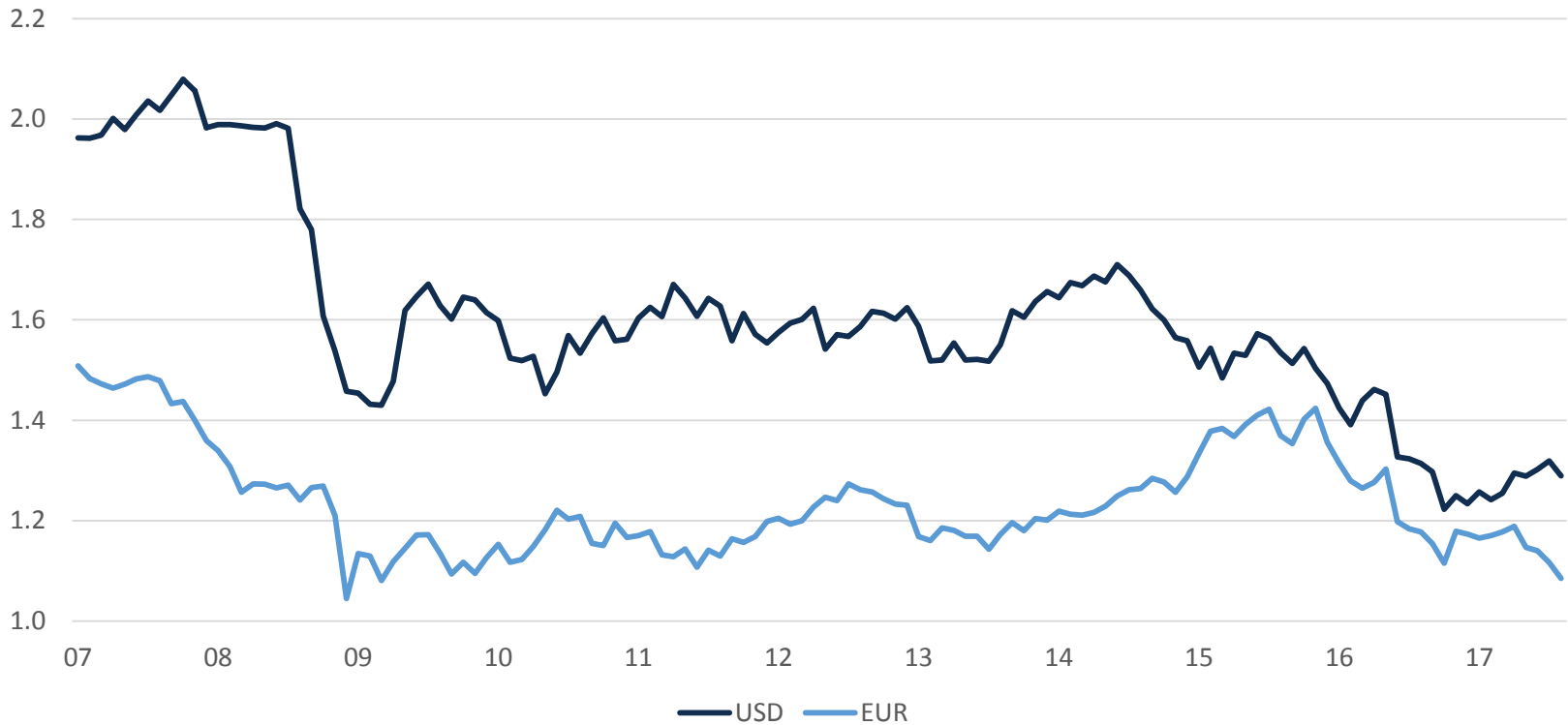
£10m Initial Portfolio with £240,000 withdrawals each year eroded by...





Sterling Adjusts to Competitive Territory

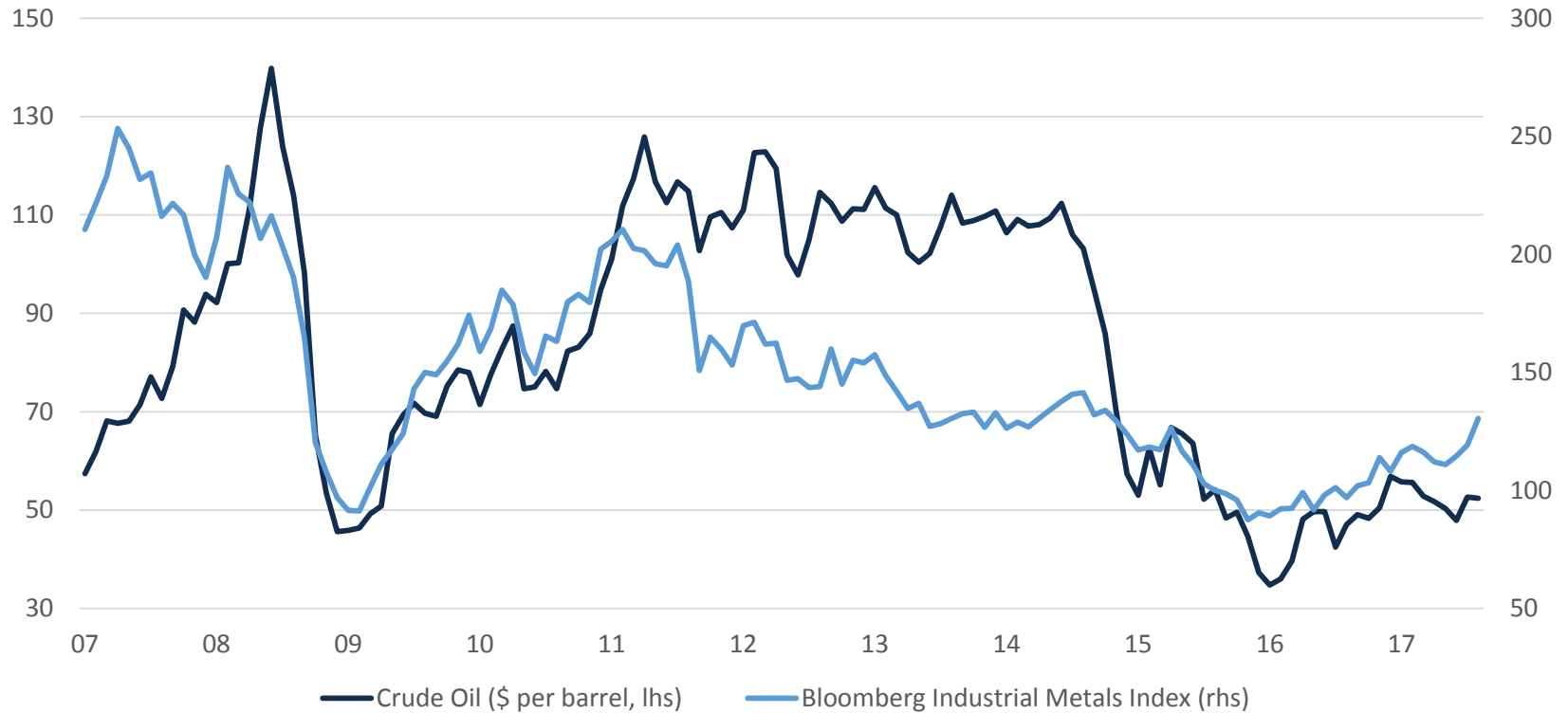
GBP Spot Currency Rates





Beware external cost prices: Commodity Prices

Oil & Industrial Metals Prices



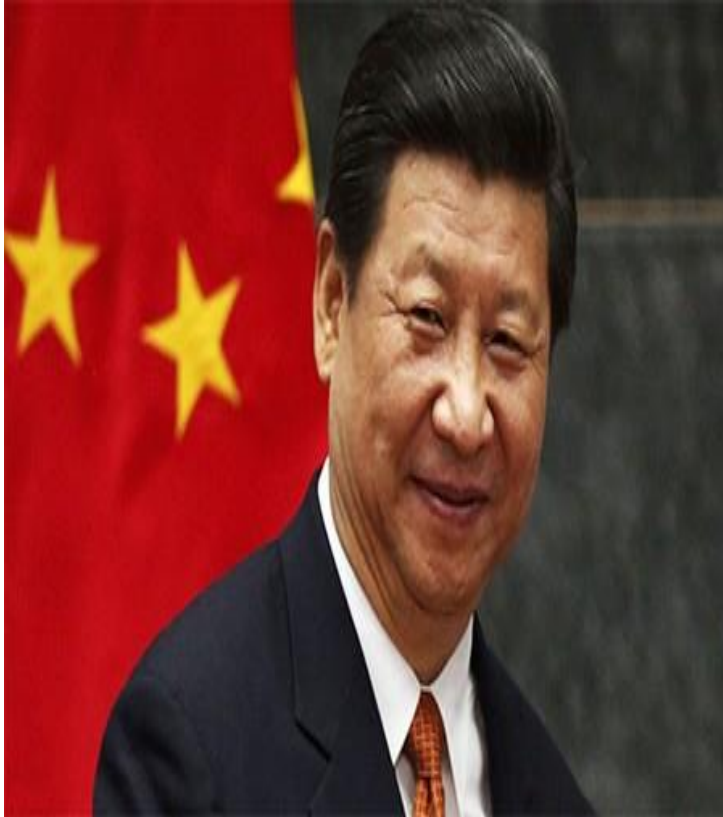


Big issues:

Global geopolitics and Brexit



The G2 relationship





Asia

hotspot

North Korea

Seas

hotspot

— North Korea & China Seas





China's Belt Road Initiative: huge implications





Some issues will not go away





Clean Brexit



- Domestic Economic Agenda
 - Innovation
 - Investment
 - Infrastructure
 - Address productivity & regional divide
- Global opportunities
 - 85% of world economy outside EU
 - 4th Industrial Revolution
- Relationship with EU
 - T-tab
 - Outside SM & CU
 - No race to the bottom

