A connected world
How to navigate in the changing landscape

Global Outlook Norway

Arendal 2017

CIFS, Carsten Beck

CIFS

- Founded by Thorkil Kristensen i 1970
- Private non-profit organisation
- Member based:
  - 50 companies globally
- Interdisciplinary think tank (economic and political science, ethnology, sociology, philosophy)
- 20 academic employees
- Danish, Norwegian, Brussels Future Club
- Europe, LATAM, Asia, Africa

Why we need scenarios

"Our goal is to supply everything needed to rebuild civilization"
Jeff Bezos

+ Amazon Basics

Algorithms predicts 70% of Court decisions!

- We live in a time where data help illuminate our routines, habits and other information about our lives. But can it actually predict something as important as a Supreme Court decision?

- Michigan State University law professor Daniel M. Katz and his colleagues have created an **algorithm that has accurately predicted 70 %of the Supreme Court's overall decisions,** and **71 %**of the votes of individual justices -- more robust results than any other predictive study done to date. Applying various techniques from machine learning, the algorithm takes into account dozens of variables before it makes a prediction.

- Katz wants to make law more accessible and transparent to the people it is meant to serve. He recognizes that a predictive model has social, political and economic ramifications. Using data analytics can help improve the accuracy and efficiency of the law and court practises.

WHY THIS MATTERS:
Data can help guide legal decisions. Better decisions are made when using a combination of analytics and human expertise. More informed decision making will help reduce legal fees and make law more efficient and accessible.

Macro stability uncertain
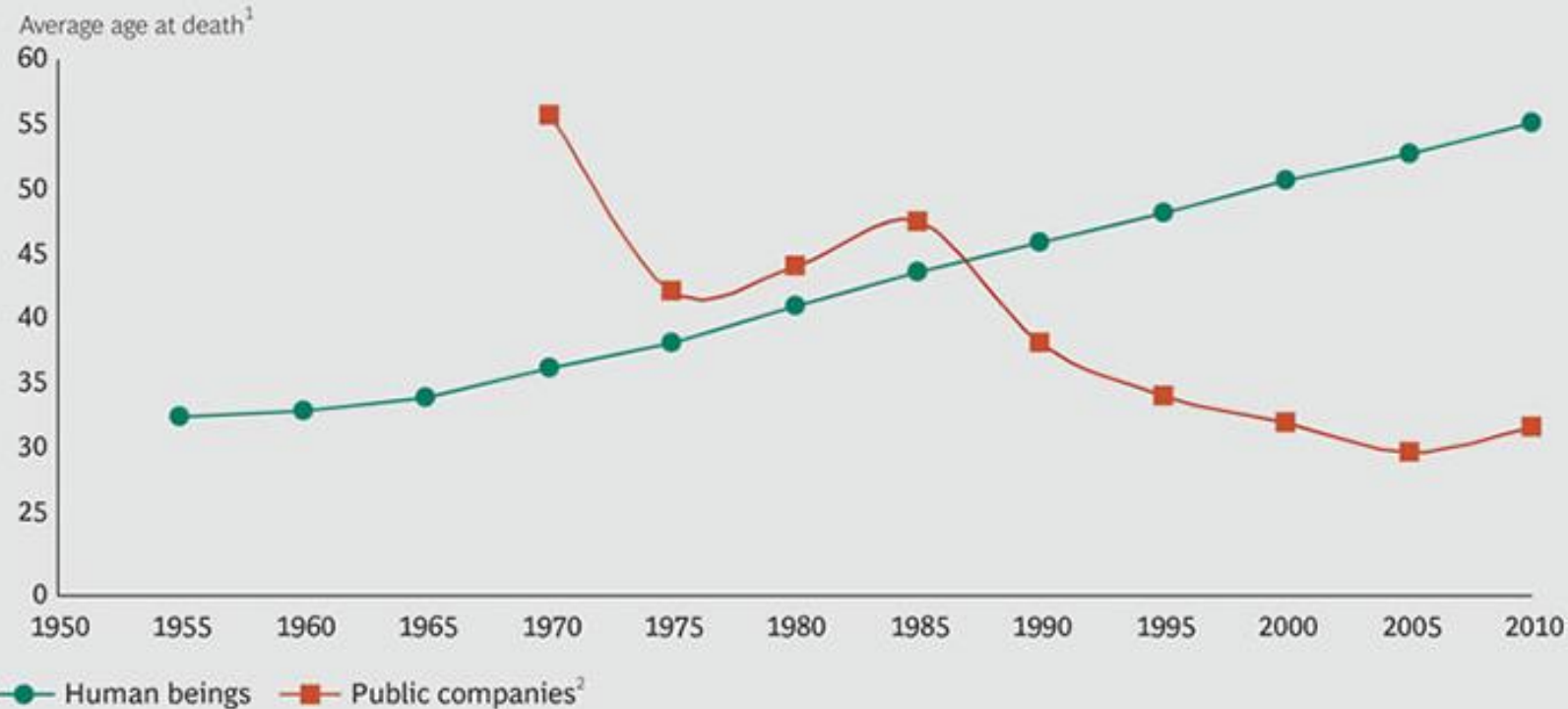# Global value chains in trouble?

Consumers live longer than companies

EXHIBIT 1 | The Evolution of Corporate Versus Human Life Spans

Average age at death[1]

Legend: Human beings — Public companies[2]

Sources: BHI analysis; UN Department of Economic and Social Affairs, *World Population Prospects: The 2012 Revision.*
[1]Over the preceding five-year period; average weighted by number of exits per year.
[2]All Compustat companies listed on US stock exchanges that were matched with S&P Capital IQ founding-year data.

Personal attitudes

Copenhagen Institute for **Futures** Studies
Instituttet for **Fremtids**forskning

- Oriented towards the past
  - Loss, safety first, trust in old authorities
  - I knew the old ways
  - Make me feel safe, cozy etc.

- Oriented towards the present
  - +/- 5%
  - The future is difficult to imagine, smart solutions, more information, better access
  - More of what you deliver today – welfare state
- Oriented towards the future
  - Let´s rock – new touchpoints, products, technology, experiences, inspiration, institutions etc.
  - Always something new, new authorities, new solutions, AI,,
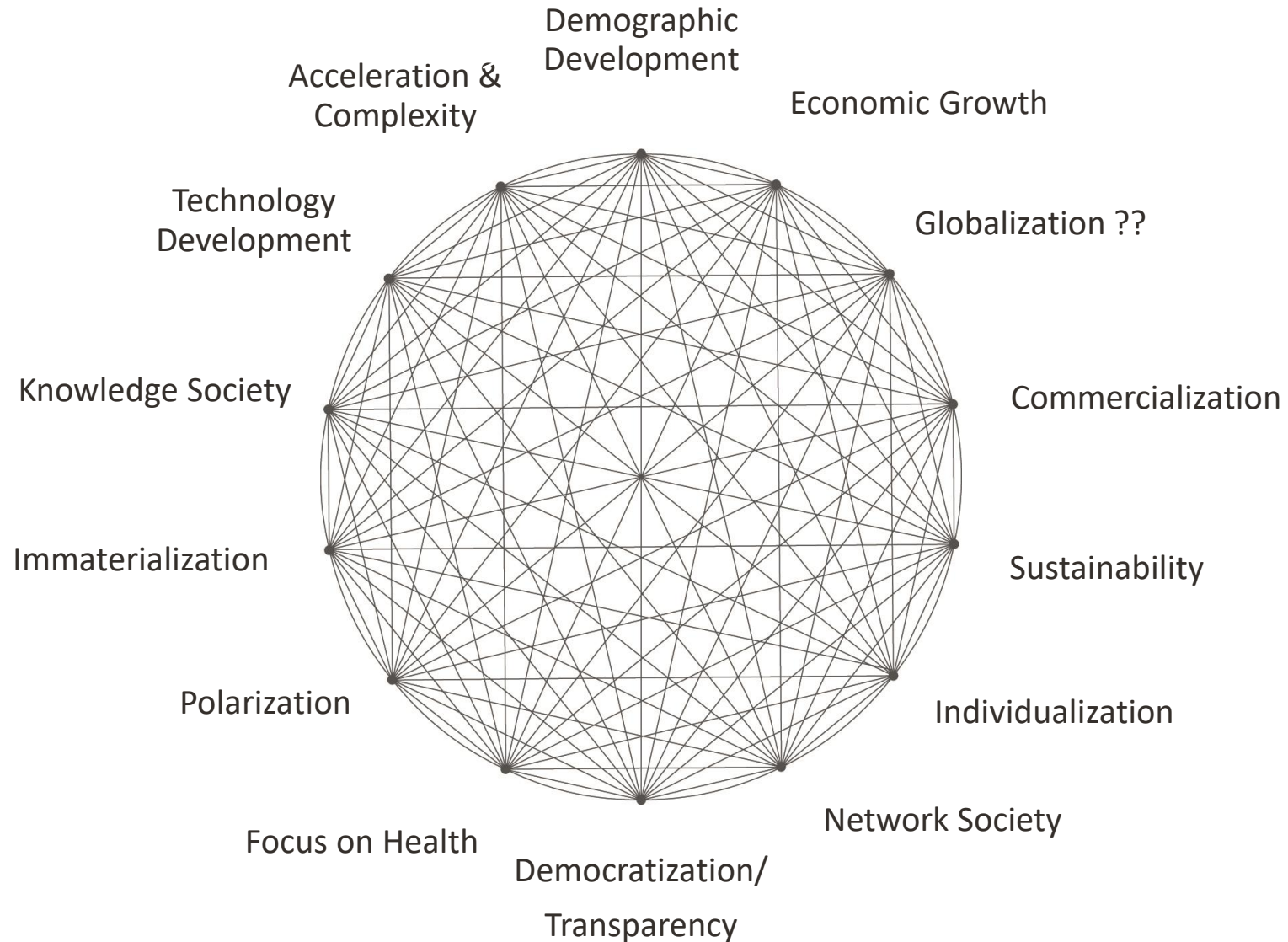 - Co-creating the future with you

PAST PRESENT FUTURE

IF YOU HIT THIS SIGN,
YOU WILL HIT THAT BRIDGE

"The best way to predict the future is to create it"

The Big Picture

CIFS megatrends

A picture of the future

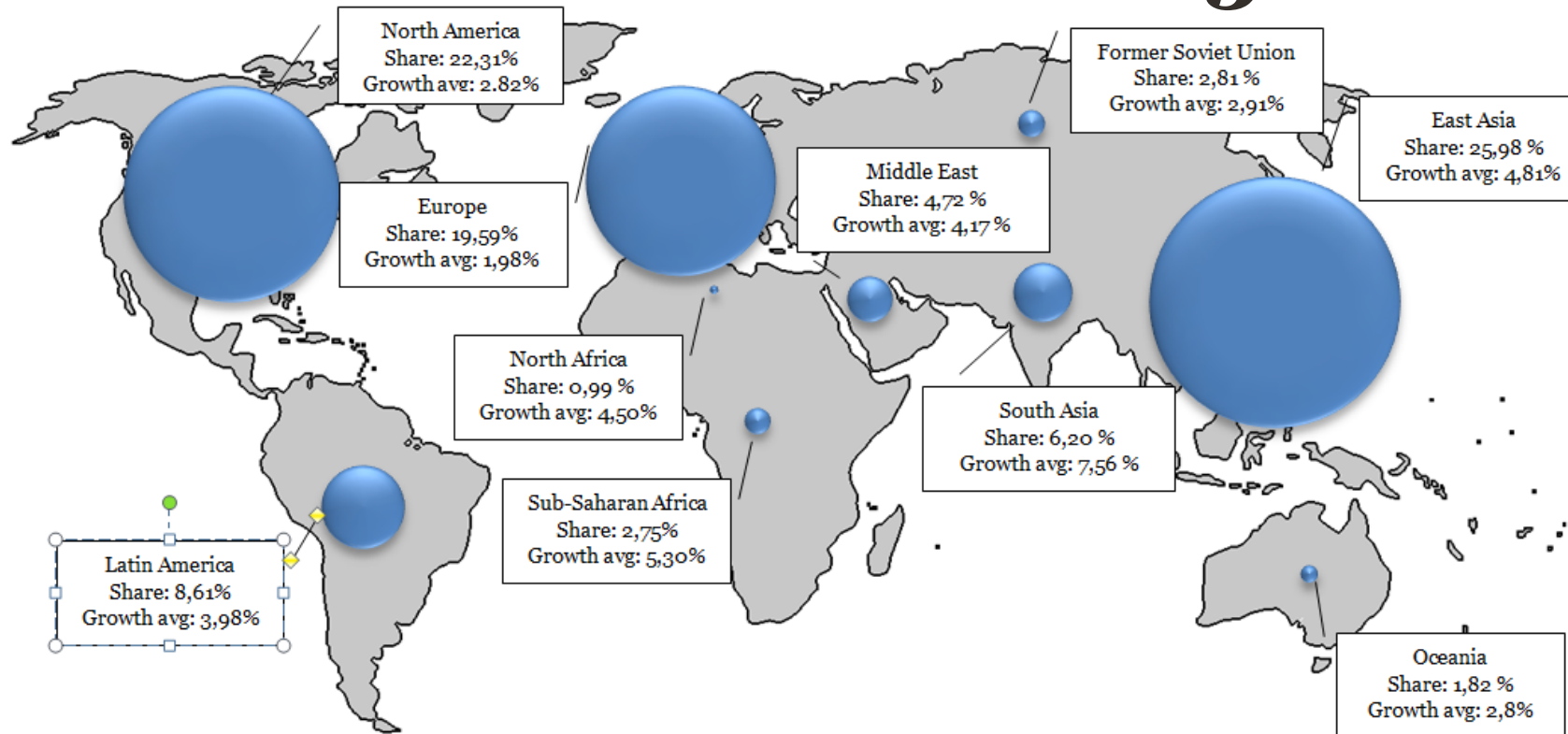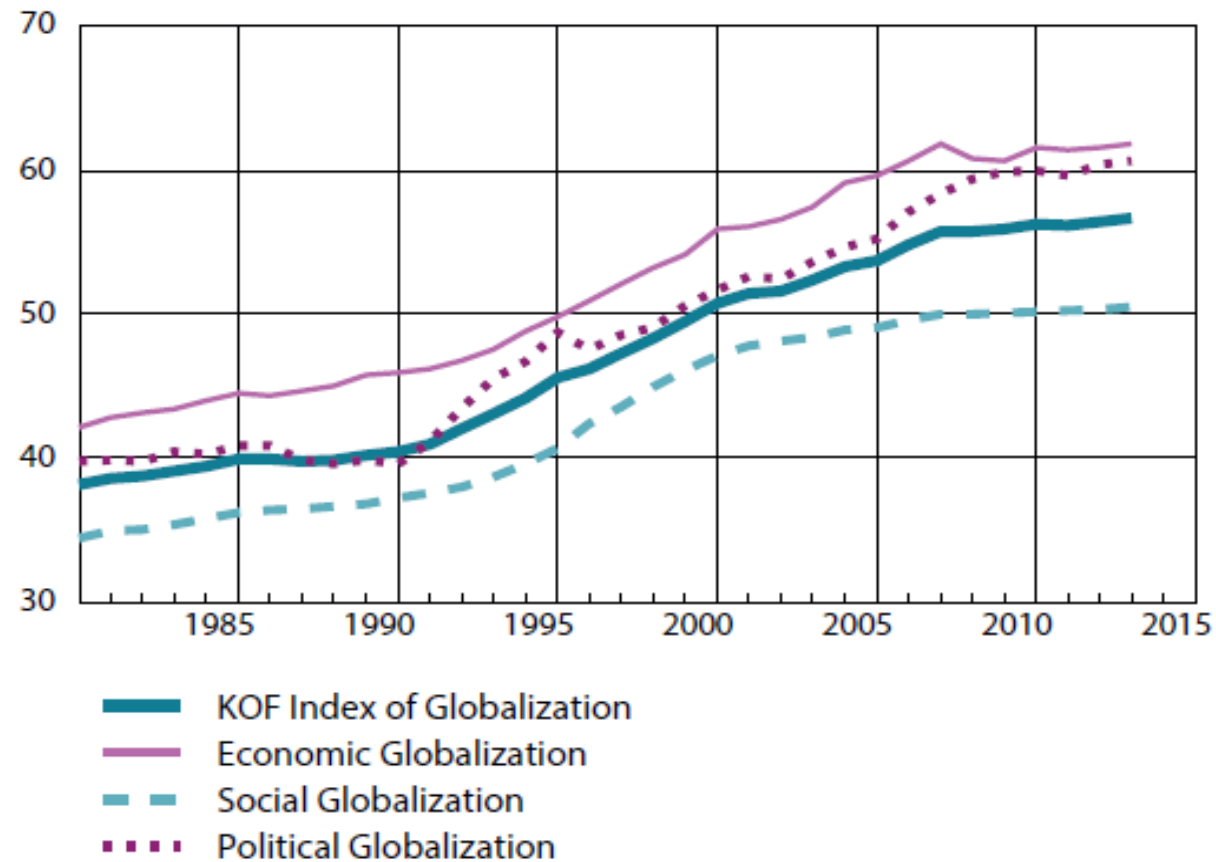**The future**

The old system

The world market 2030

North America
Share: 22,31%
Growth avg: 2.82%

Former Soviet Union
Share: 2,81 %
Growth avg: 2,91%

East Asia
Share: 25,98 %
Growth avg: 4,81%

Europe
Share: 19,59%
Growth avg: 1,98%

Middle East
Share: 4,72 %
Growth avg: 4,17 %

North Africa
Share: 0,99 %
Growth avg: 4,50%

South Asia
Share: 6,20 %
Growth avg: 7,56 %

Latin America
Share: 8,61%
Growth avg: 3,98%

Sub-Saharan Africa
Share: 2,75%
Growth avg: 5,30%

Oceania
Share: 1,82 %
Growth avg: 2,8%

Figure 3 Global GDP share in 2030 with projected average growth rate

Globalization?

Megatrend: Demographics

A decade of ageing

World Population Prospects

11.213.000.000 people – one slide
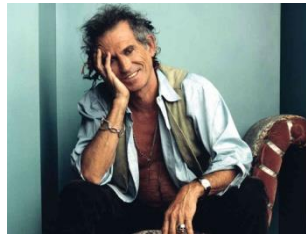
World Population

2015: 7.349 mill
2050: 9.725 mill
2100: 11.213 mill

Decline

Populations will decline in 48 countries incl. Japan, Hungary, Croatia, Lithuania and Ukraine

Old

2015: 901 mill 60+
2050: 2100 mill 60+

Low fertility

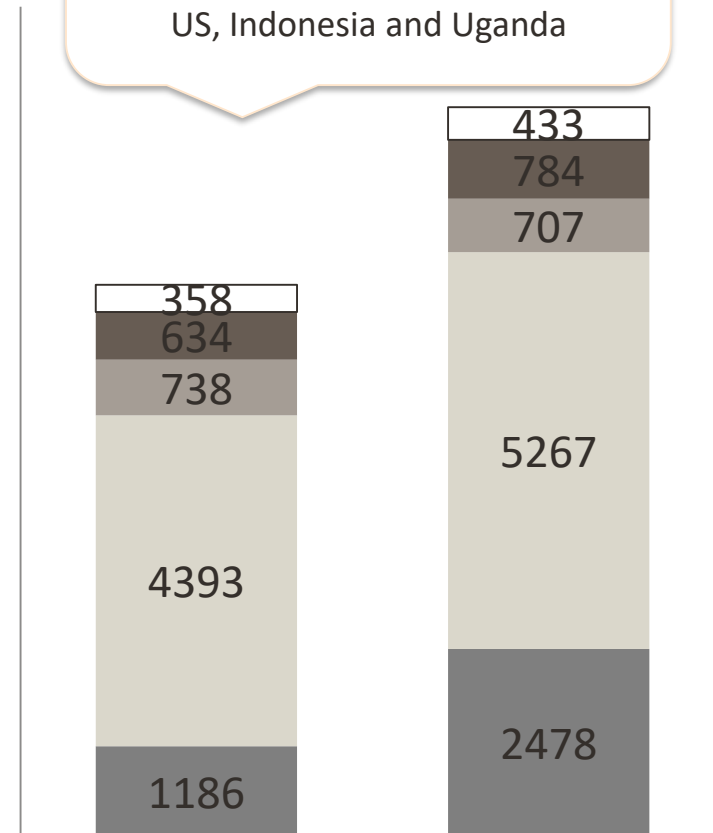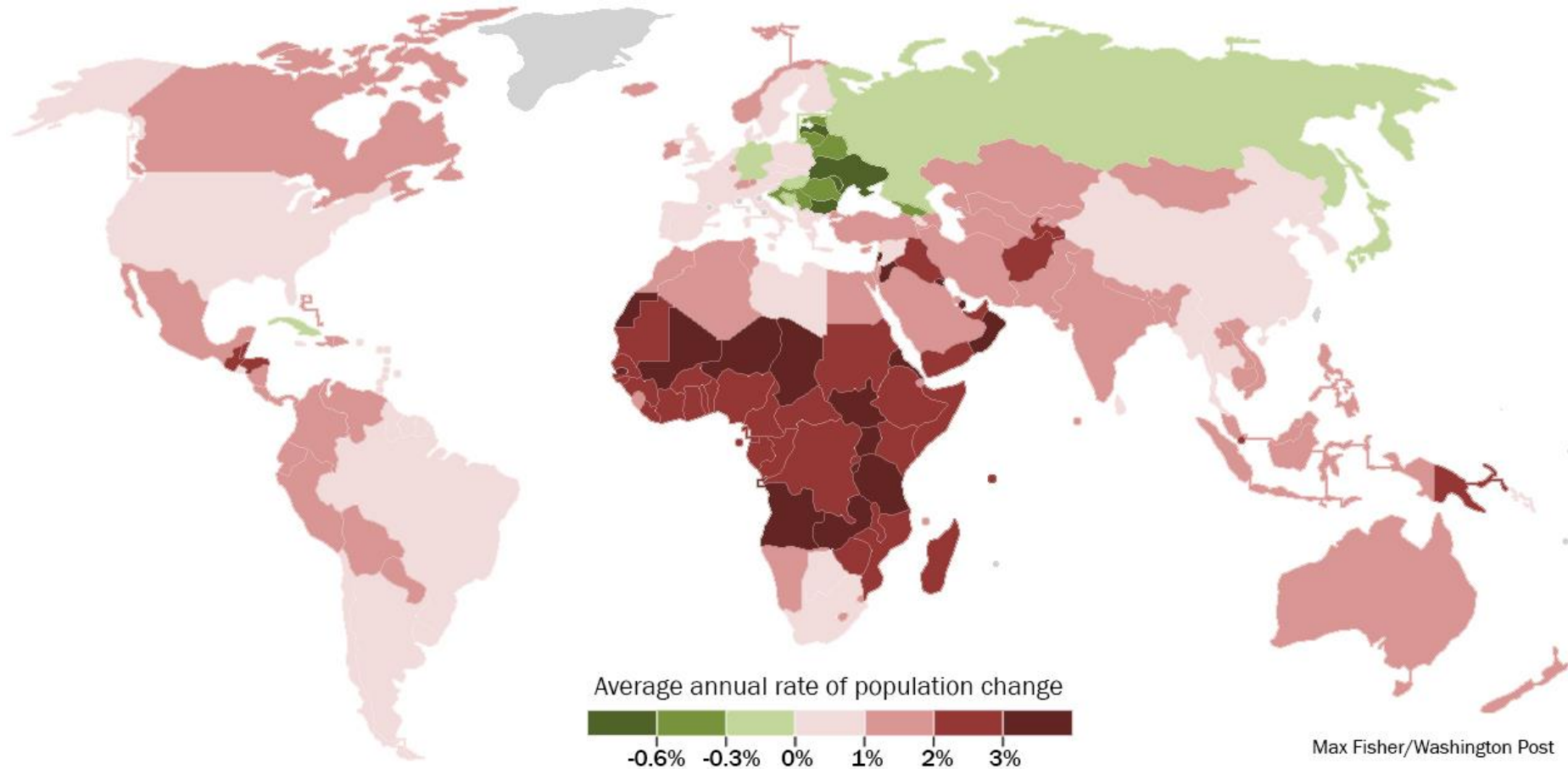Fertility levels below 2,1: All of Europe and NA, 20 countries in Asia incl. China, India and Vietnam

50% of the growth will be in these 9 countries: India, Nigeria, Pakistan, Congo, Ethiopia, Tanzania, US, Indonesia and Uganda

	2015	2050
NA	358	433
LATAM	634	784
Europe	738	707
Asia	4393	5267
Africa	1186	2478

Legend: ■ Africa ■ Asia ■ Europe ■ LATAM □ NA

Global Population Growth

Average annual rate of population change

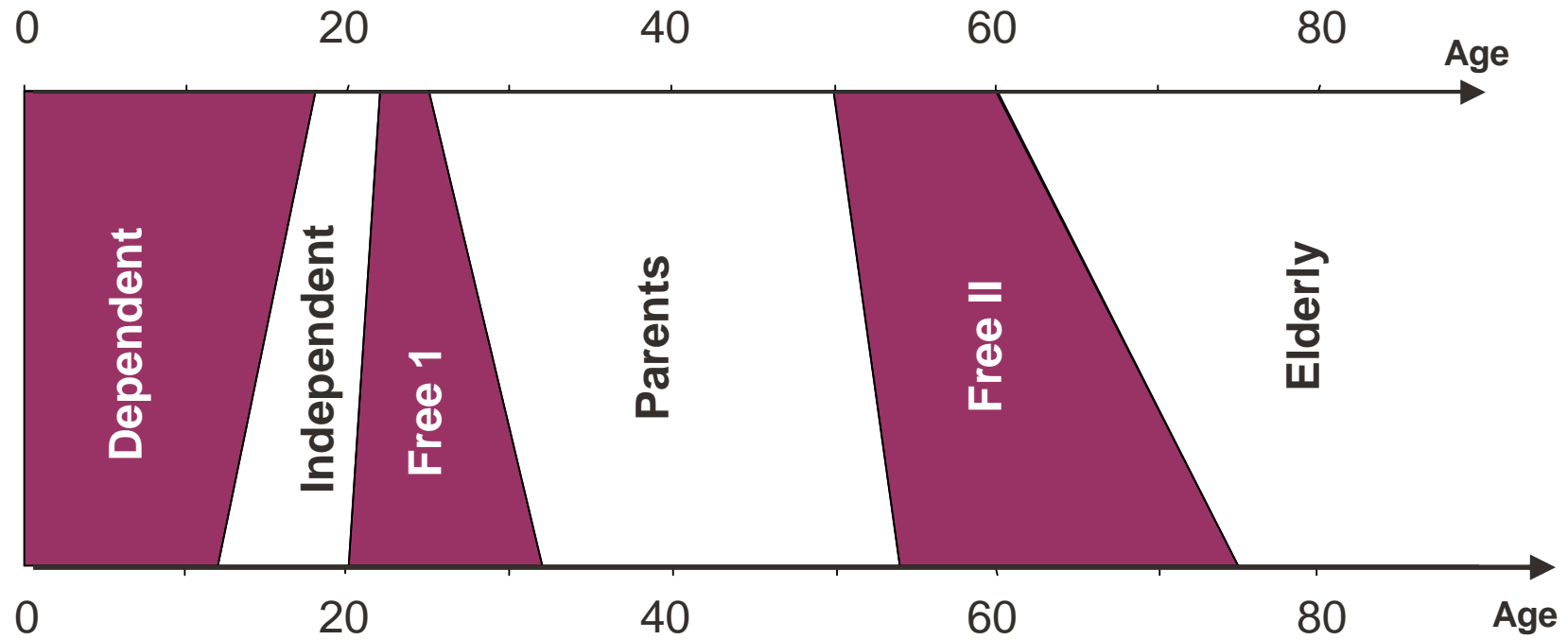-0.6% -0.3% 0% 1% 2% 3%

Max Fisher/Washington Post

Red countries have growing populations; Green countries are shrinking. Light red are growing slowly or not at all.. Colours by CIFS. Data source: United Nations Population Fund.

Life Phases

Around **1950**

Today