

Big Data & Big Trends



#chainpoint18

 @wolfgangfengler

Yerevan, November 14, 2018

A DATA REVOLUTION FOR THE SDGS



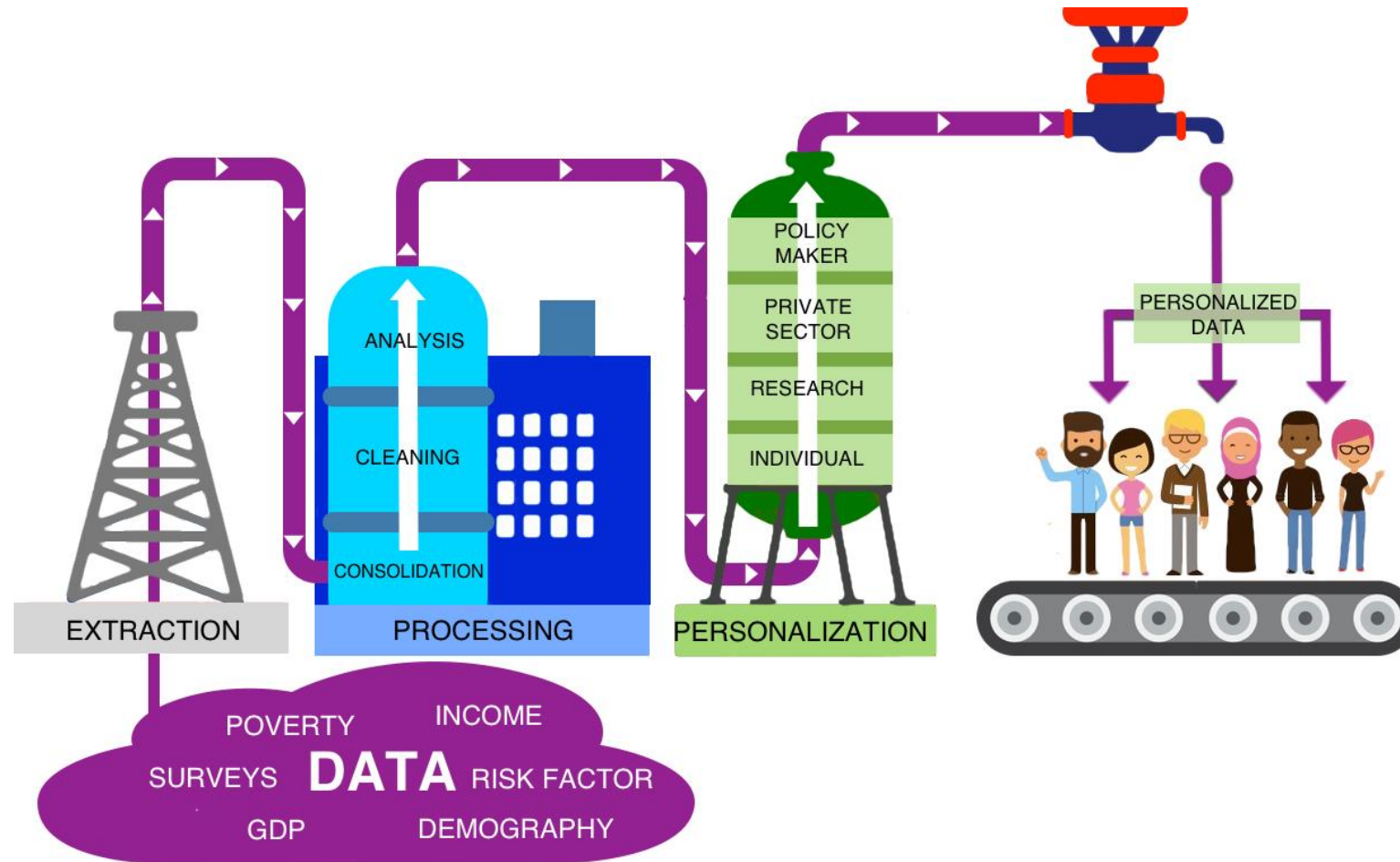
Already today, there is more data than grains of sand

The Emergence of Big Data: from zero to 100 sextillion in five years



Source: IBM

THE NEED FOR A DATA REFINERY



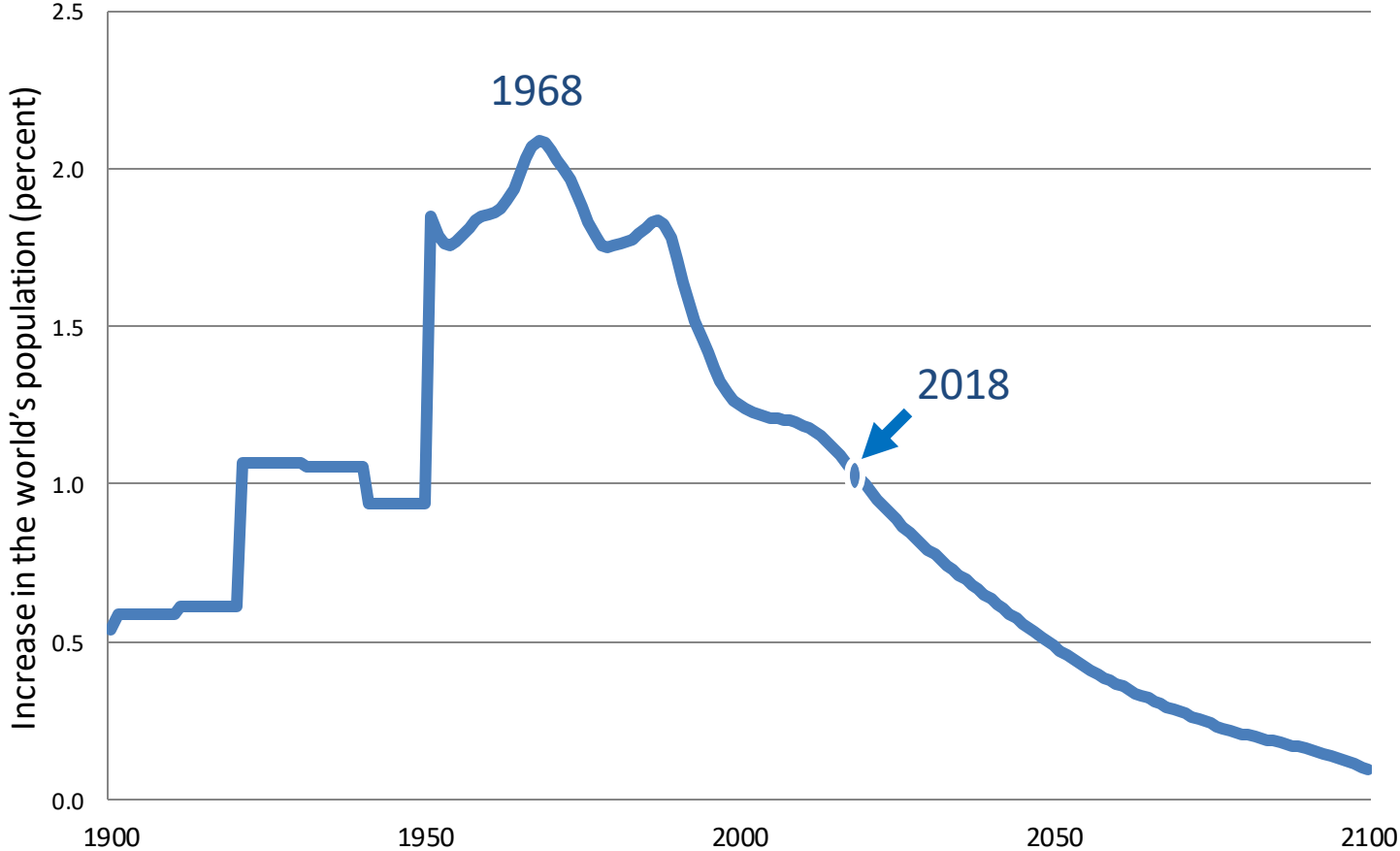
Big Shifts



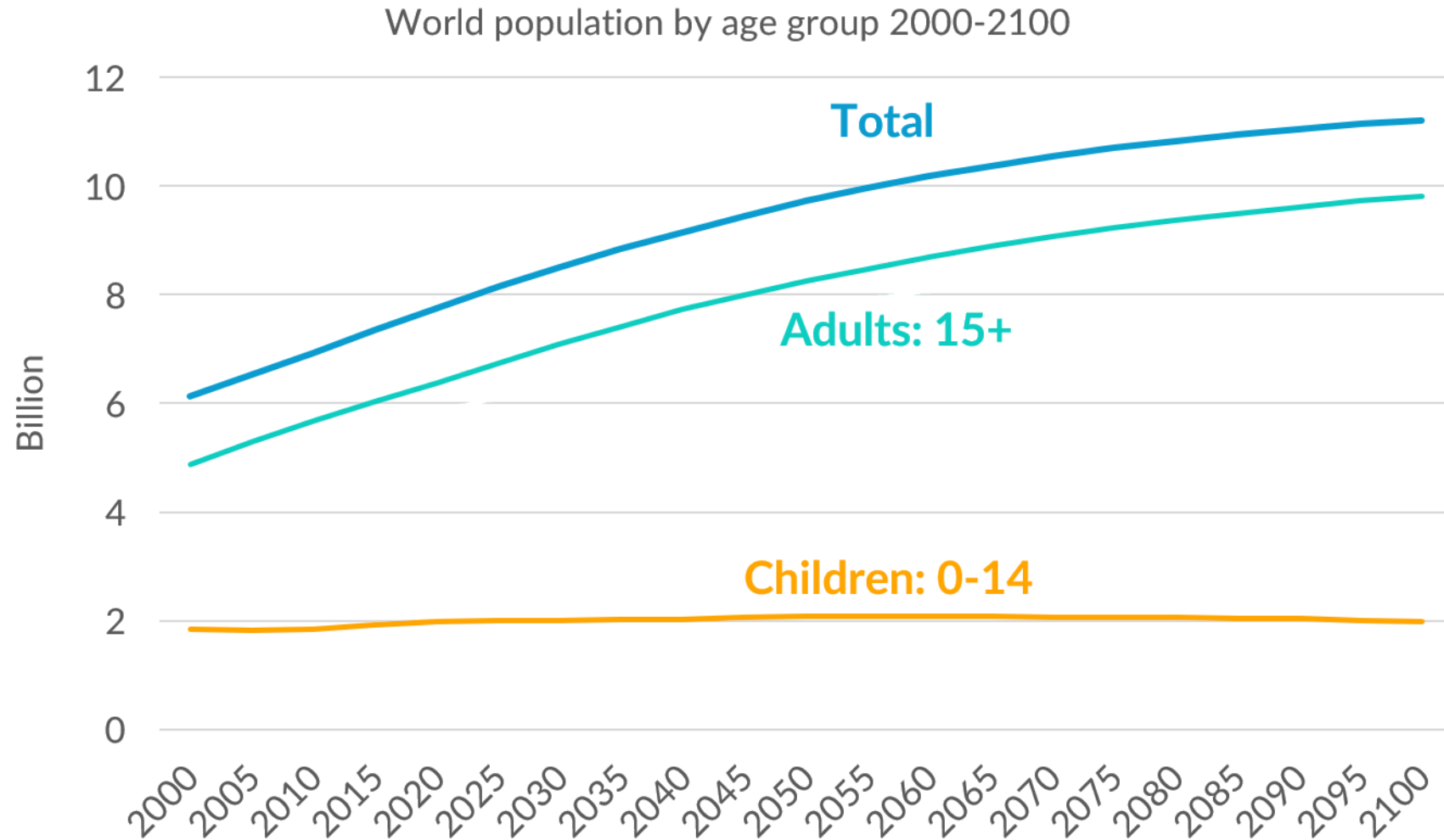
Number of people in the world

7,6b

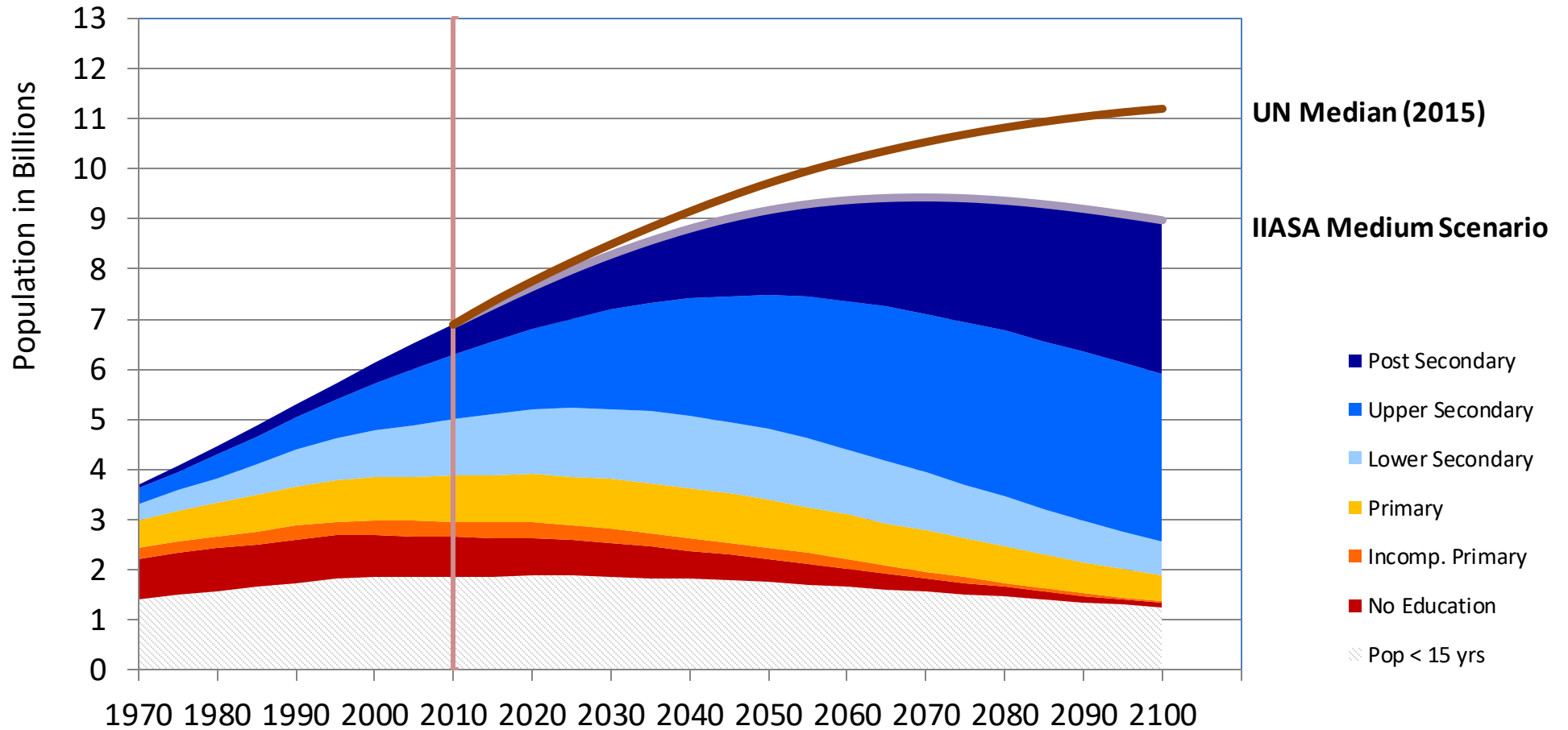
Population growth is slowing down rapidly



2000-2100: WHY IS THERE HIGH POPULATION GROWTH?

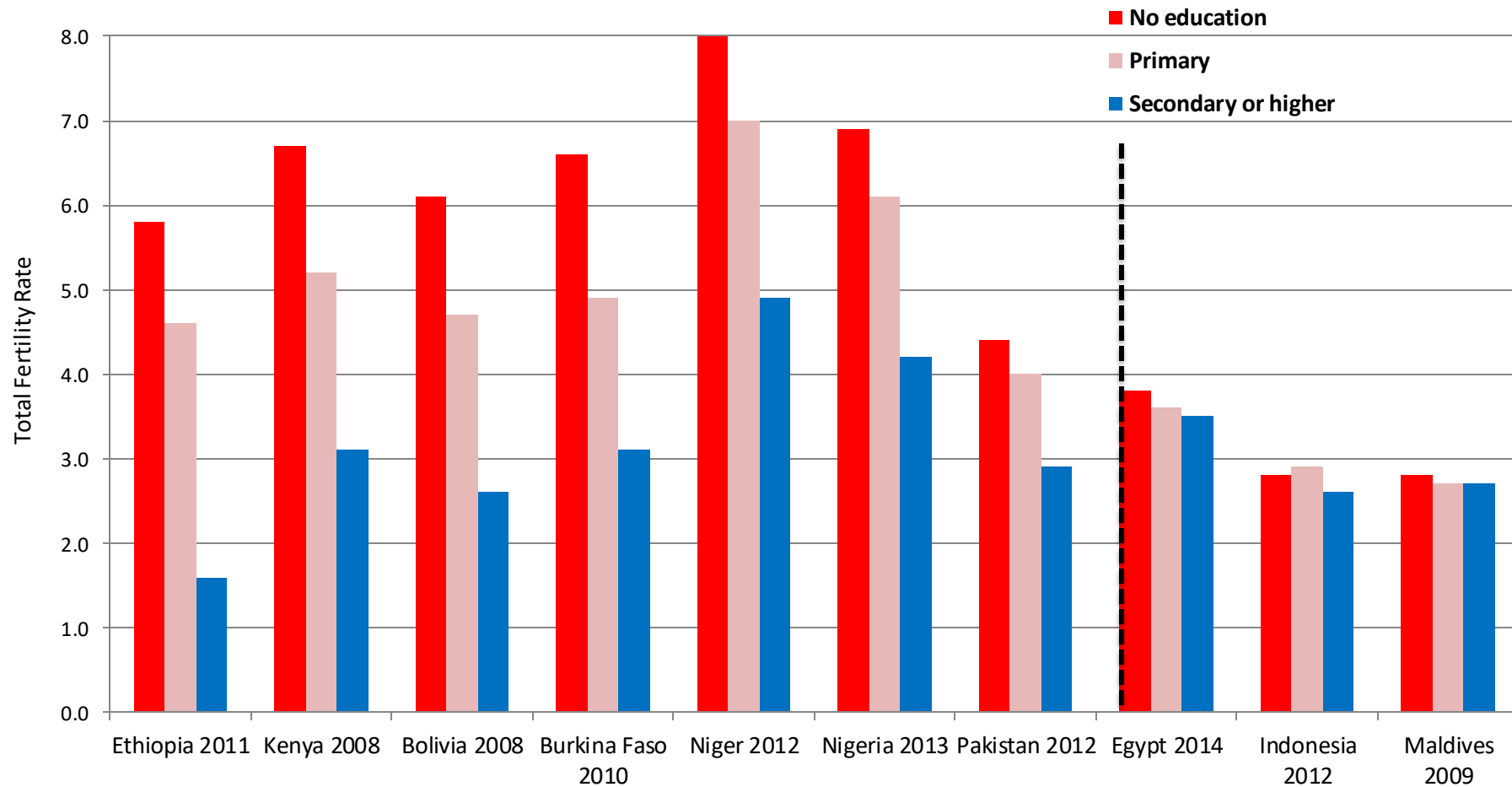


Despite the recent UN projections, we may not reach 10 billion ...



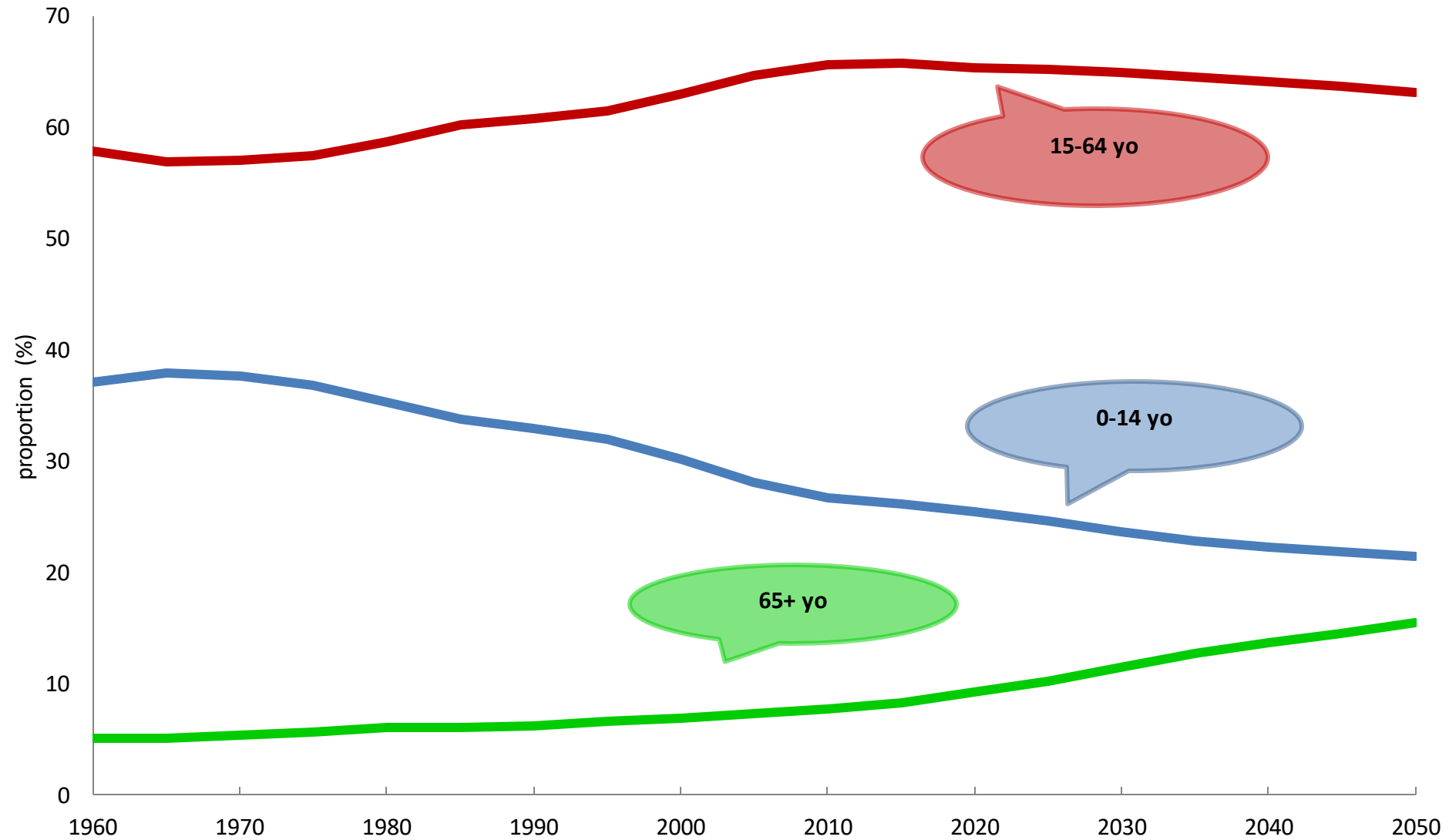
Source: IASA projections

... because education reduces fertility



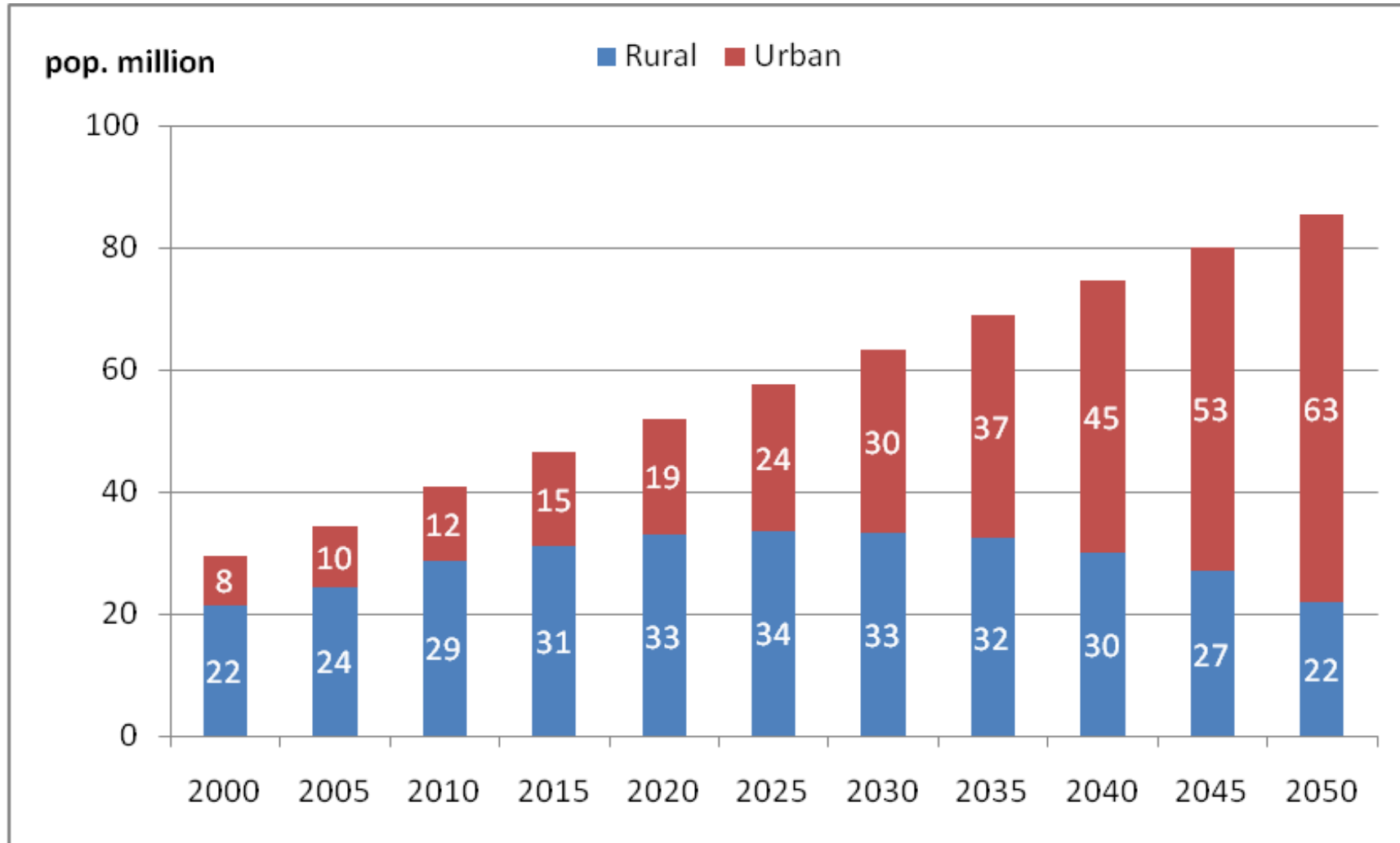
Source: IASA calculations based on DHS

Shift 1. From Young to Old

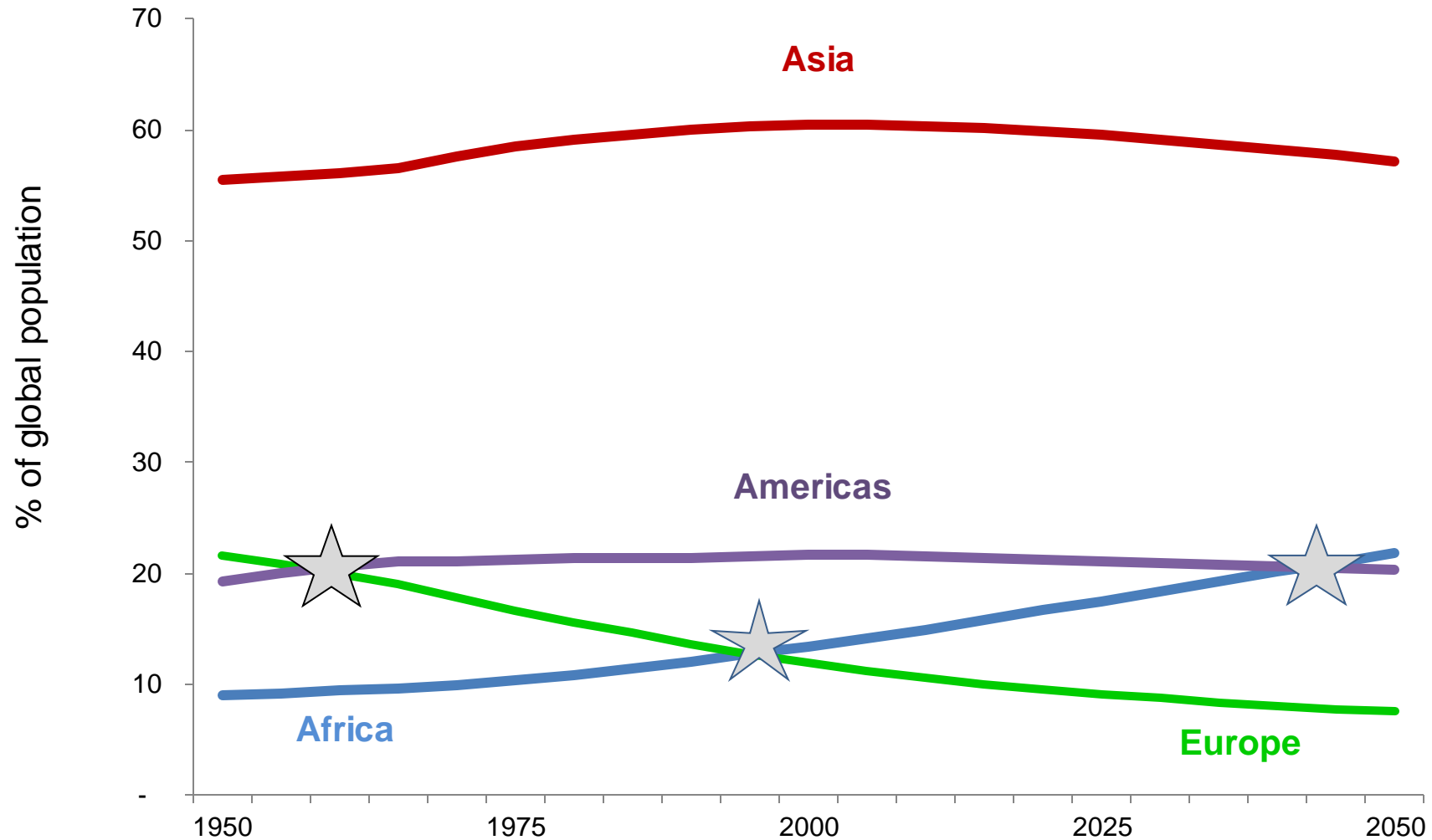


Shift 2. From rural to urban

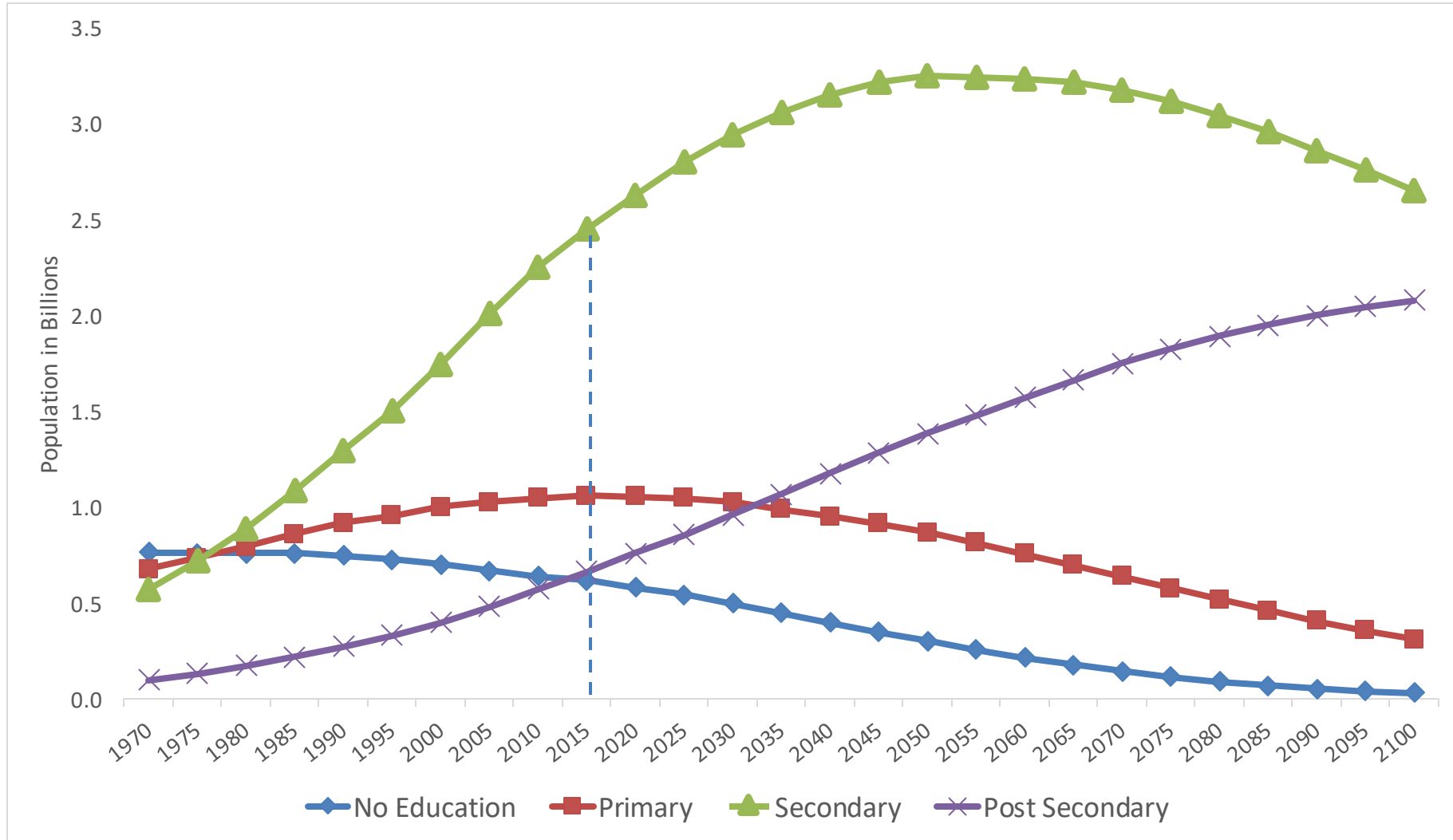
Example: Kenya



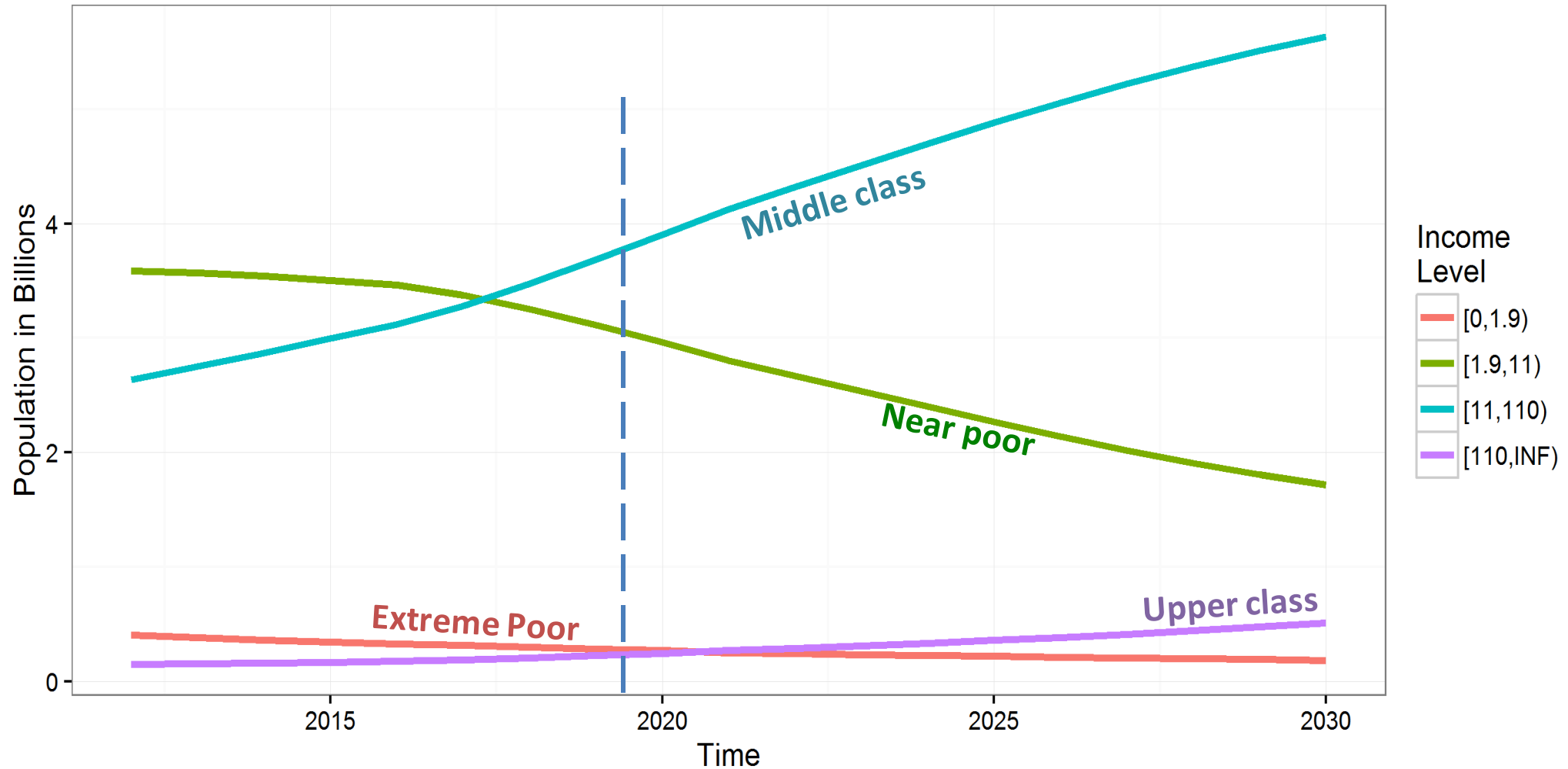
Shift 3. From Europe to Africa



Shift 4. From low to high education



Shift 5. From poor to Middle Class

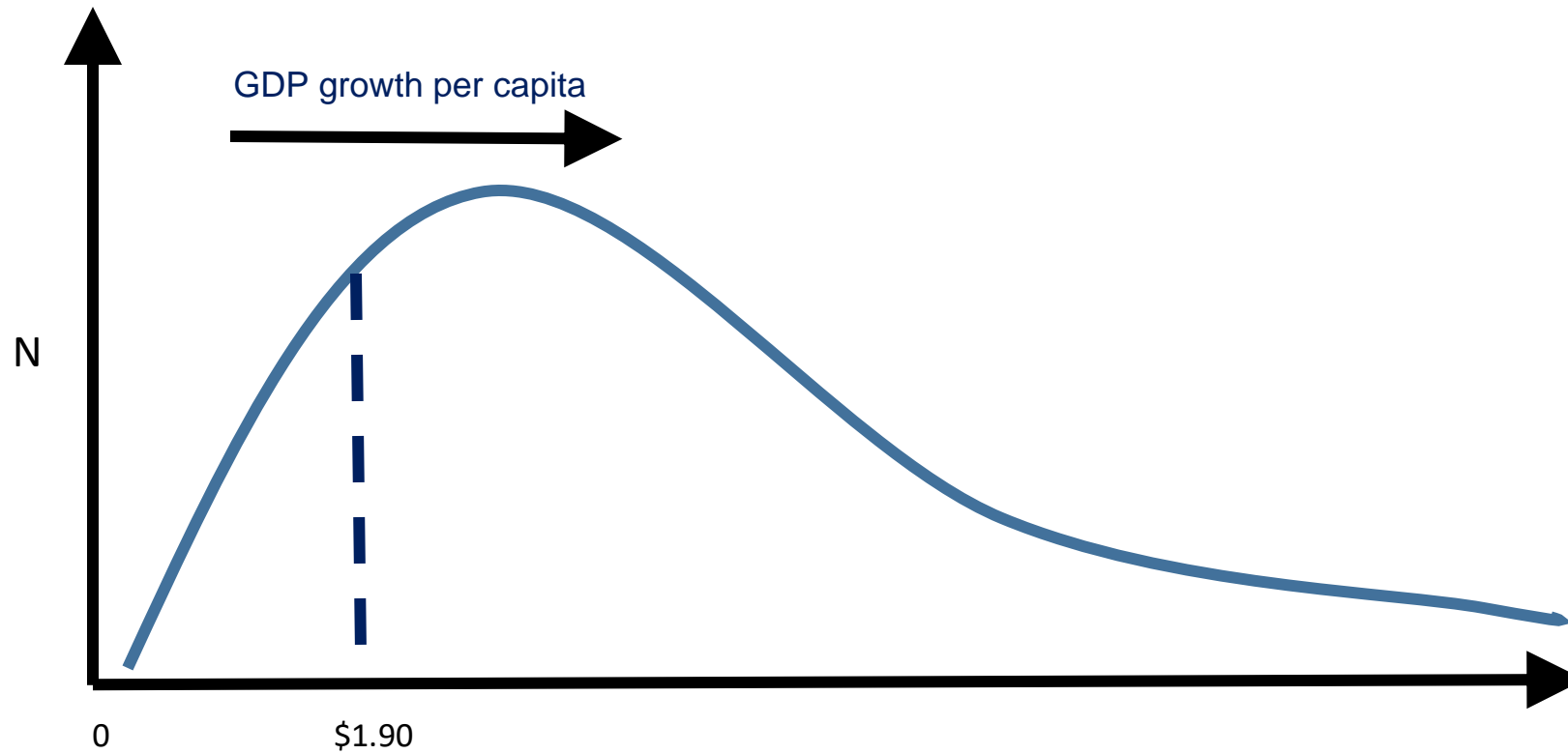


Source: Projections by World Data Lab

Real-time data models



Modelling income in real-time



IS THE WORLD ON TRACK TO END POVERTY BY 2030 (SDG 1)?



WORLD POVERTY CLOCK

The World Poverty Clock provides real-time poverty estimates until 2030 for almost every country in the world. It monitors progress against Ending Extreme Poverty, which is the UN's first Sustainable Development Goal (SDG1). The escape rate calculates the current rate of poverty reduction in the world. [Read more](#)

1.6 TARGET ESCAPE RATE
1.1 CURRENT ESCAPE RATE

people/ sec

2016

2017

2018

NOVEMBER 2018

2019

2020

2025

2030

OFF TRACK
41,159,373
behind SDG1

630,087,840

people live in extreme poverty
8% of the world population

22,420 fell into poverty today

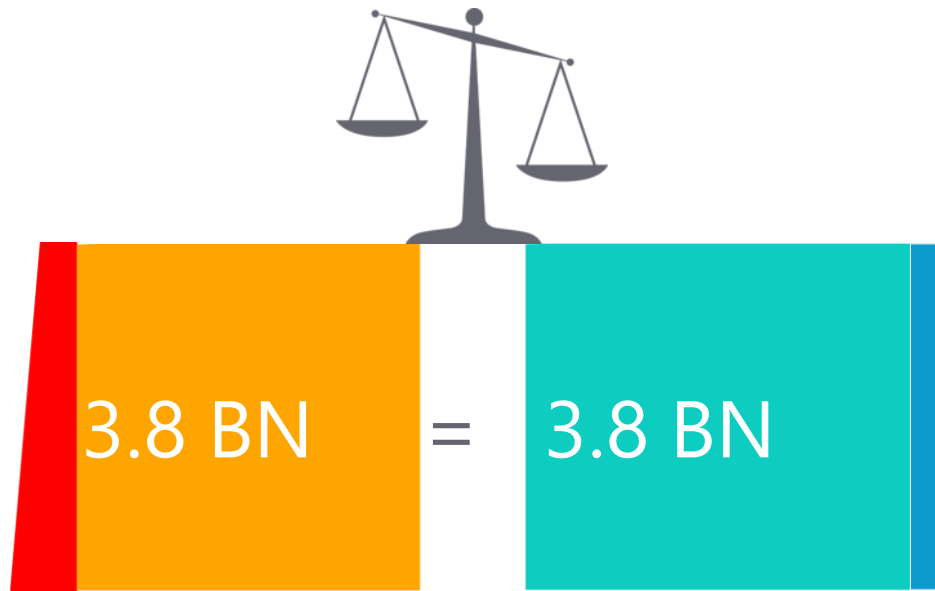
112,303 escaped poverty today

INDIA

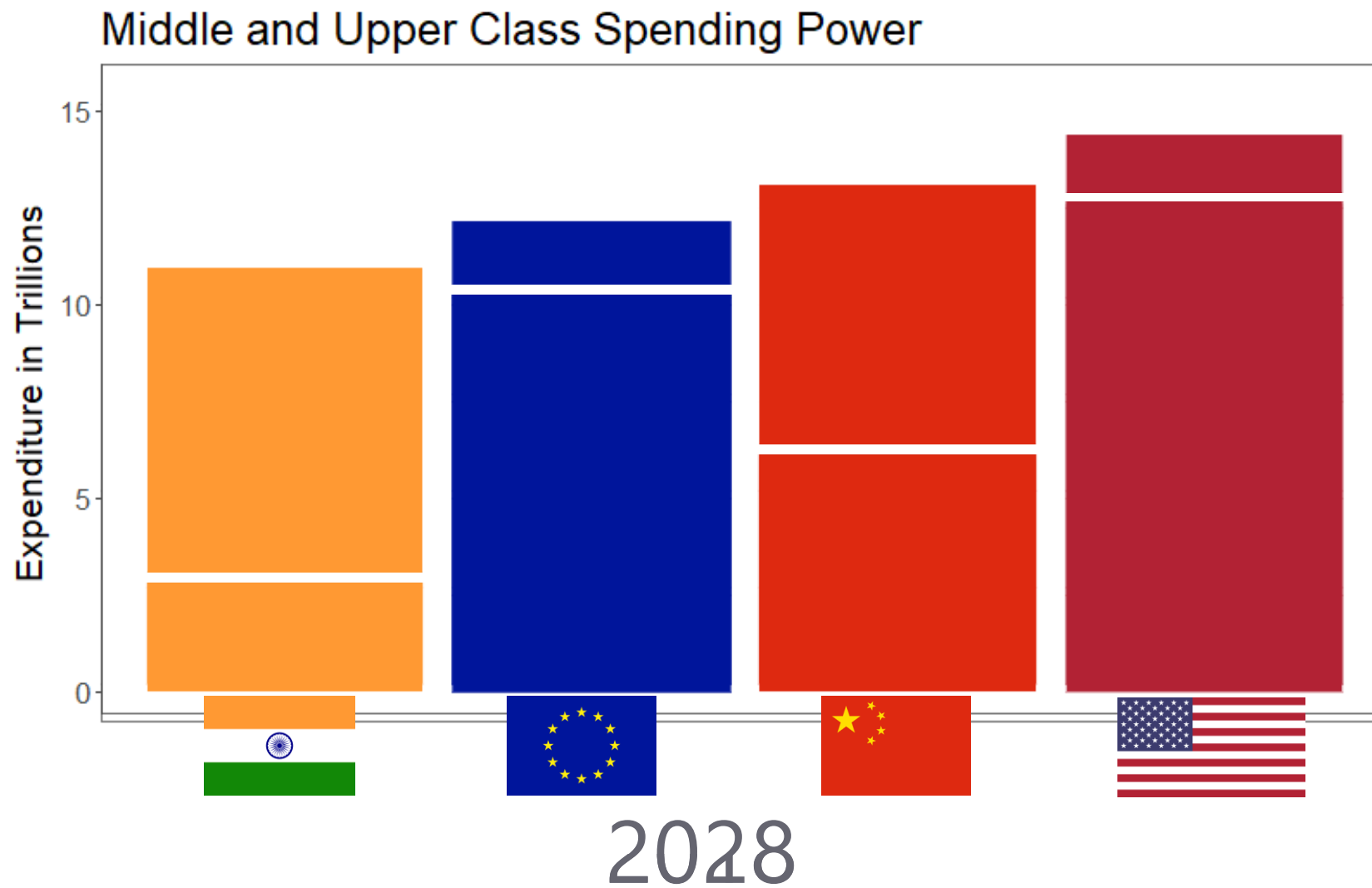
How many people are entering the global Middle Class each second?



OCTOBER 2018 HALF THE WORLD WILL LIVE ABOVE 11\$/DAY



IN 2030, THE FOUR LARGEST MARKETS WILL BE OF SIMILAR SIZE



Thank you



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