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The Economics of Migration

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Introductory lesson 2017

Dipartimento
E St
Economia e Statistica
Cognetti de Martiis

UNIVERSITÀ
DEGLI STUDI
DI TORINO

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Global demographic trends

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A: How many people in this room have African ancestry

1:   0%

2:   10%

3:   20%

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Global Expansion of Humankind

We are all descendants of a small group of humans who lived some 2 million years ago in the East African Rift Valley (today: Southern Ethiopia, eastern Kenya, eastern Tanzania)

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80,000 Years Ago

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Out of Africa

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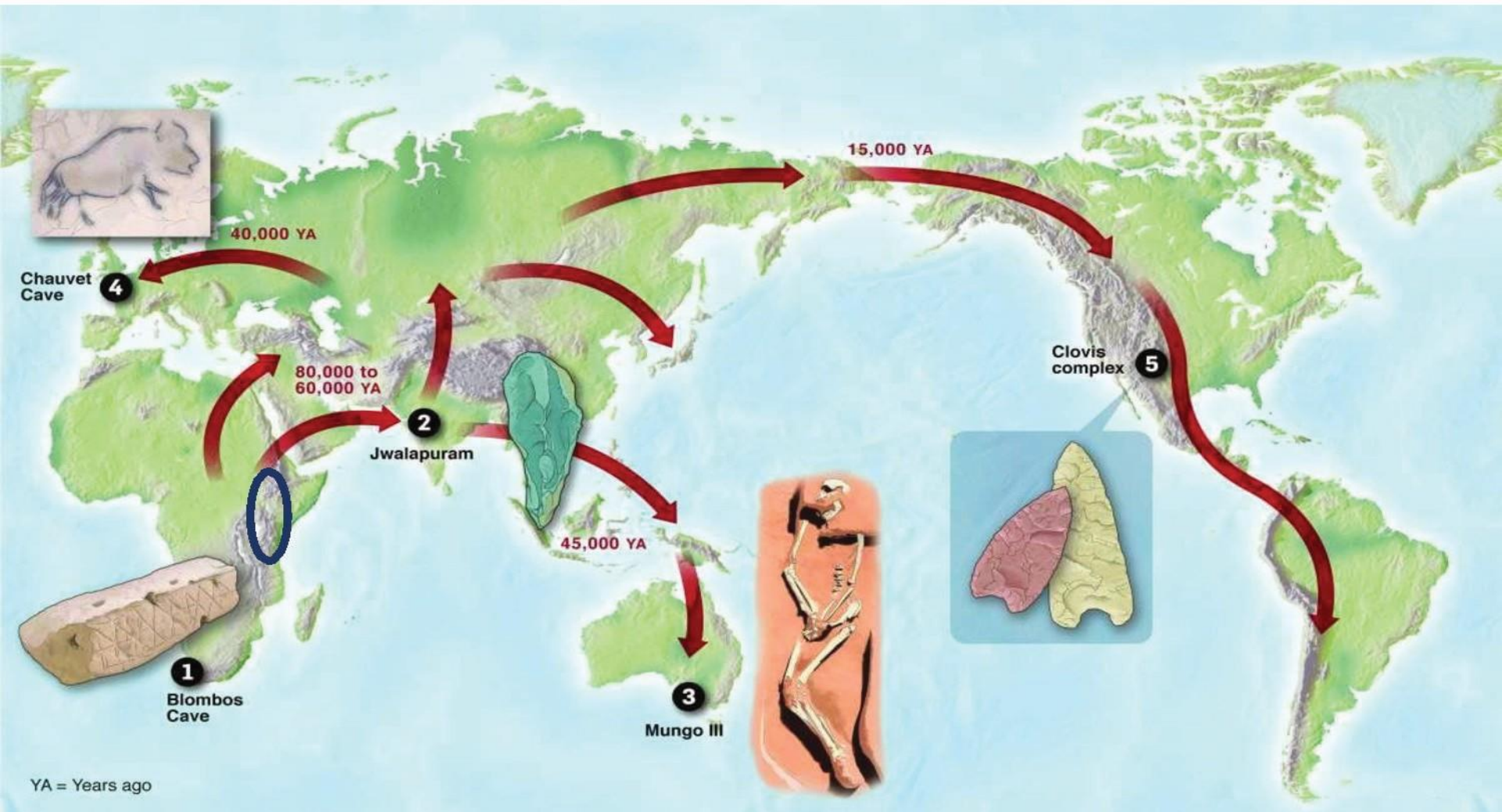
Moving around

From an anthropological perspective we are first and foremost „nomads" and „hunter-gatherers".
This way of life was dominant throughout 98% of human history.

15,000 Years Ago

Early forms of stock-breeding among nomads

This already reduced the cyclical supply of calories and expanded the food base

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12,000 Years Ago
People started to settle down

- **Agriculture (culture!)**

- **Stock breeding**

- **More calories per km^2**

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Talking about "migration" only makes sense, once people have a permanent "residence" that they can change

Nomads are not migrants

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Reality no. 1:
Growing world population

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B: When did world population reach 3 billion

1: 1920

2: 1940

3: 1960

4: 1980

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Population Growth Throughout History

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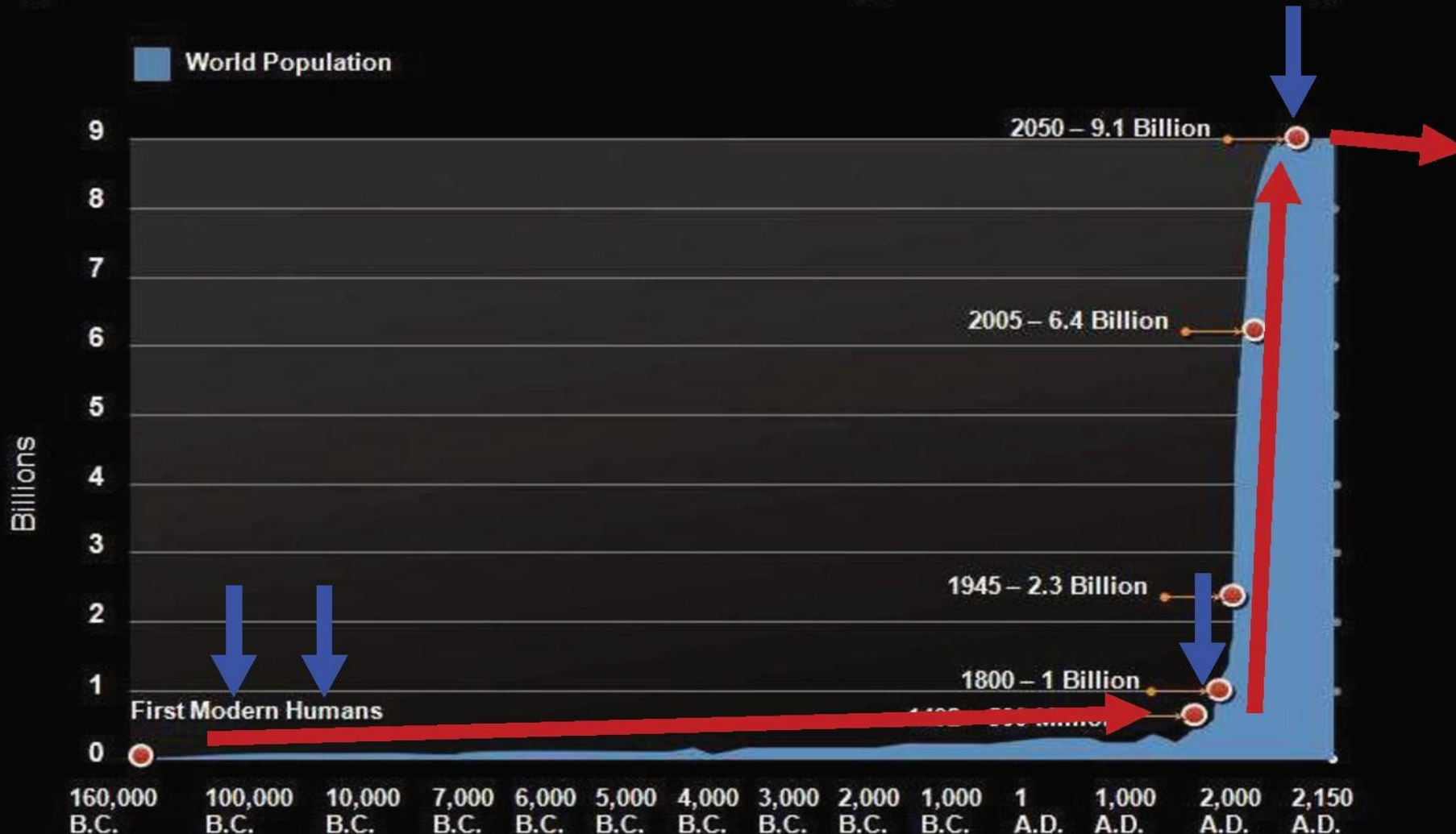
But the number of people on our planet is growing unequally

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From 6 billion to 7 billion people: Contribution to earth's 7th bn per continent

Data: UN World Population Prospects 2010 Rev. | Infographic: Bitsofscience.org

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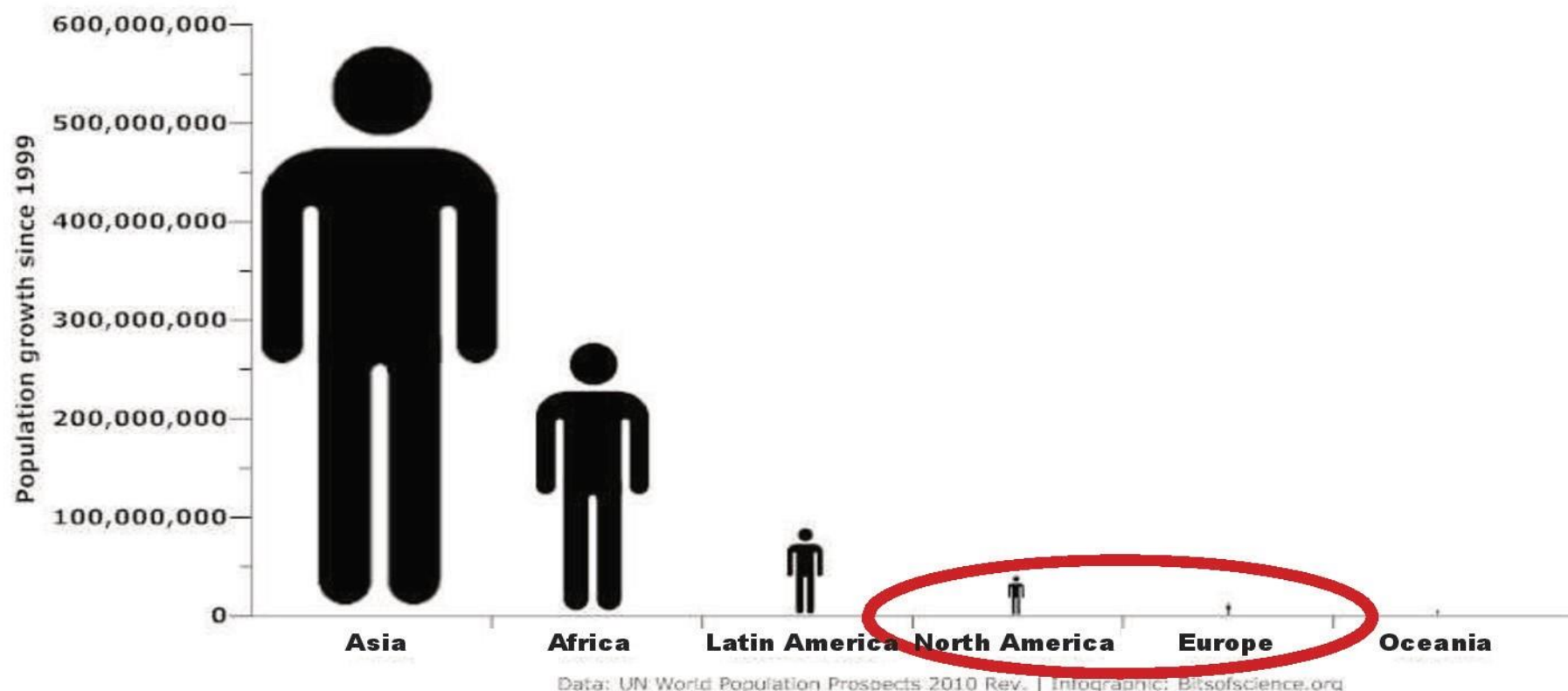
Reality no. 2: Global ageing

Demographic ageing is a global phenomenon
Age pyramids, 1950-2050

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Source: UN DESA

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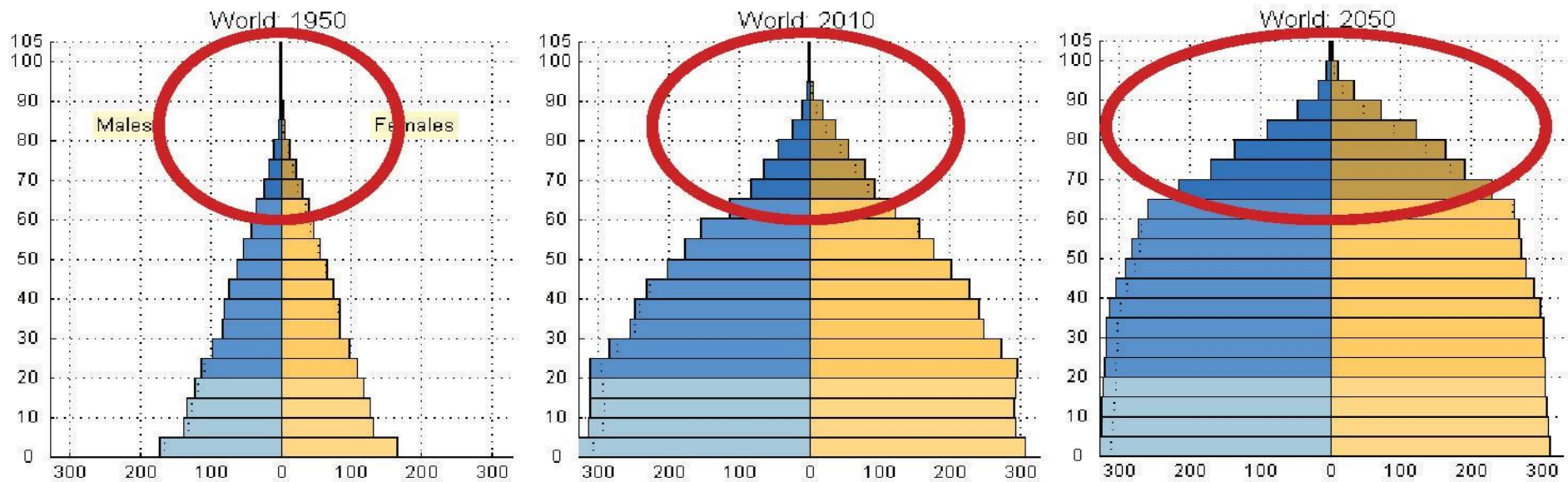
C: Which part of the world experiences the most rapid demographic aging?

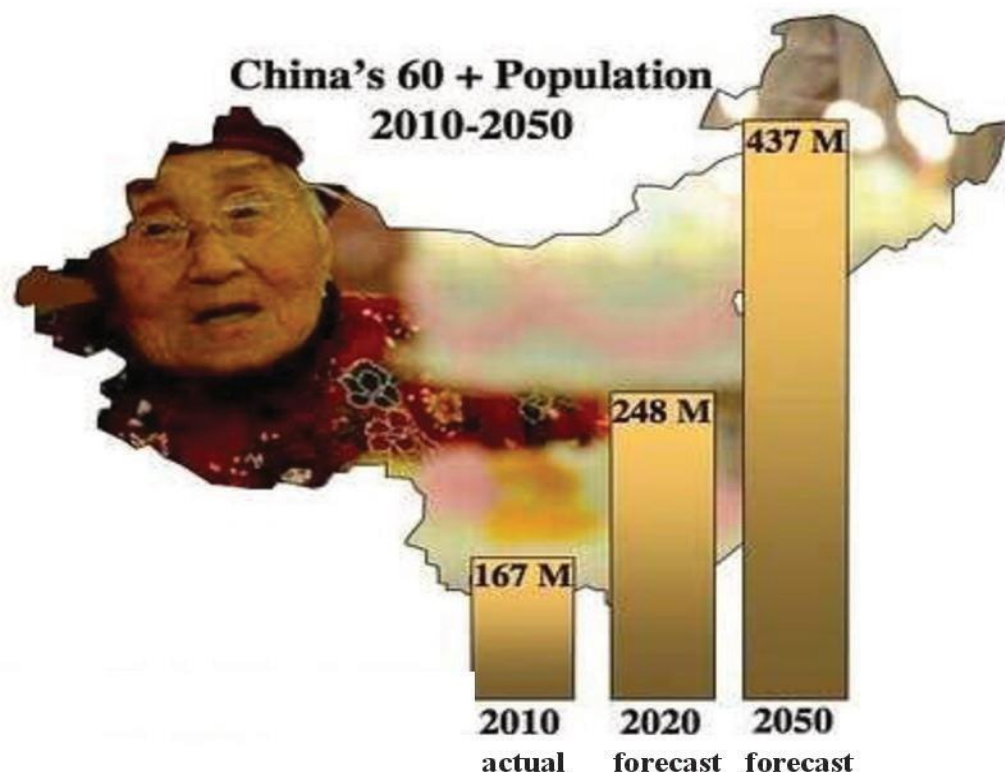**1: Europe**

2: North America

3: Africa

4: Asia

Migration in Europe
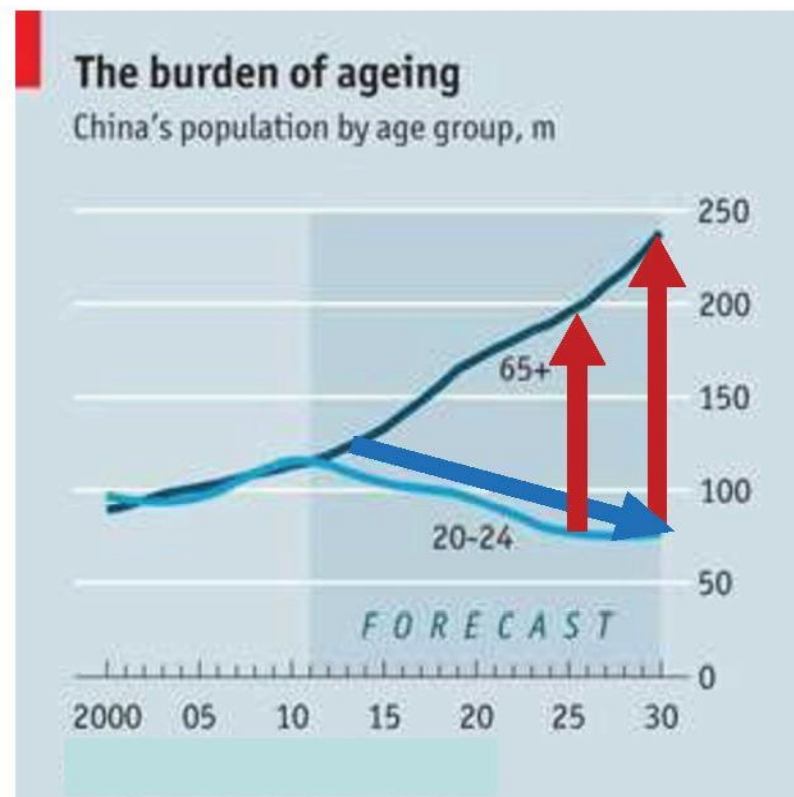MigrEU *Jean Monnet Module*

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Europe is continuously getting older

Source: Eurostat

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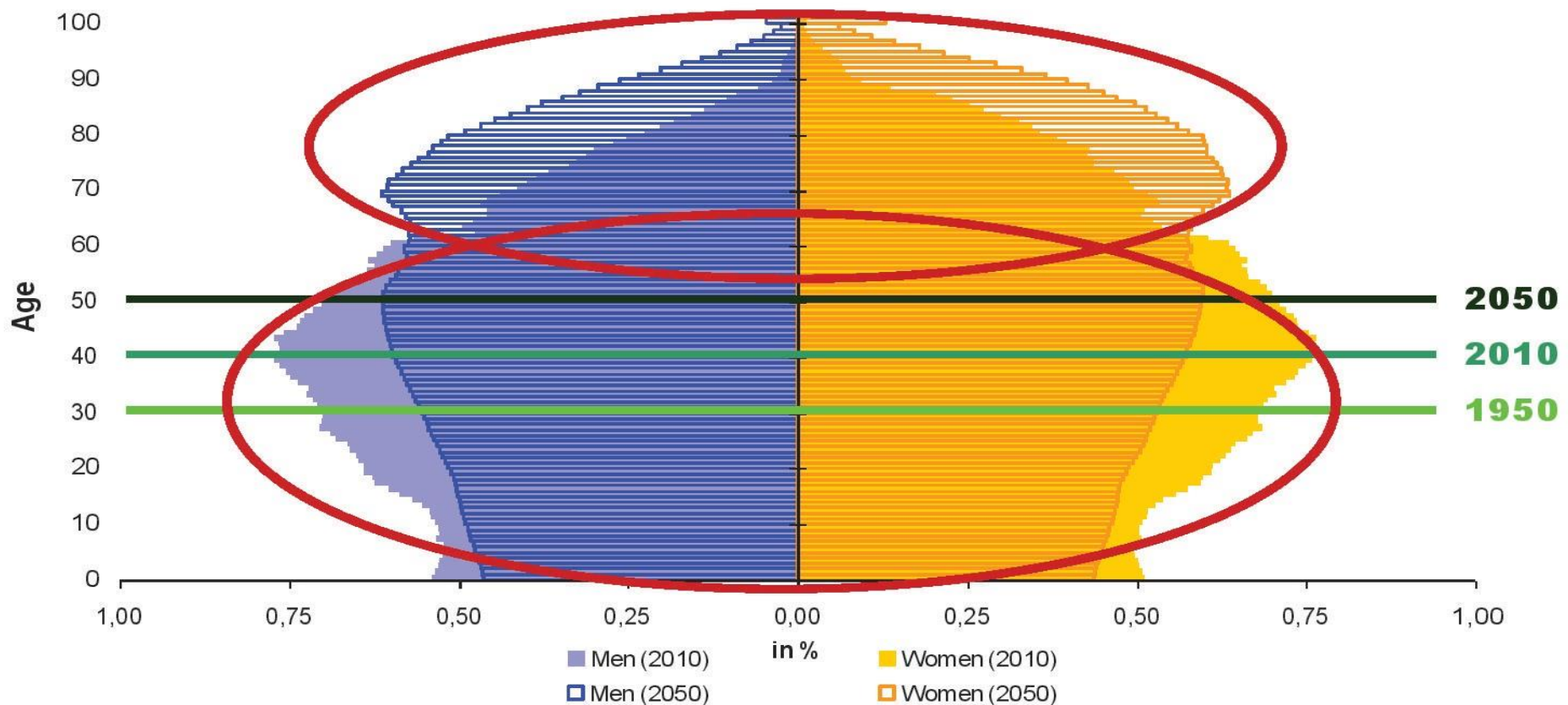
China is aging more quickly than Europe

Age group 60+, 2010-2050

Age groups 65+ vs 20-24, 2000-2030

Source: UN Population Division

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Figure 2.5 Working age population – China and India
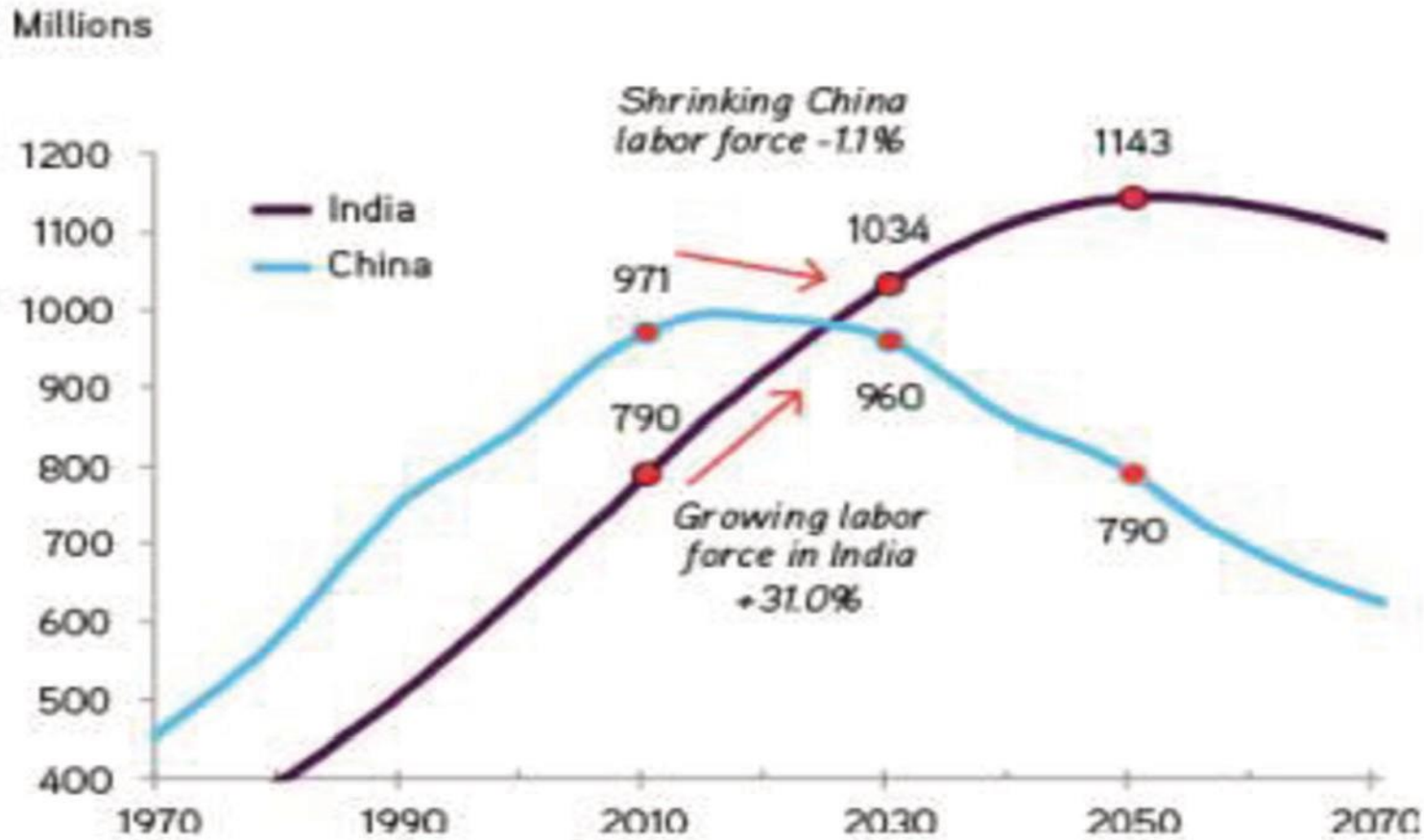
Source: KKR Insights (2012).

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Aging is driven by two major trends:
- Longevity
- Lower number of children

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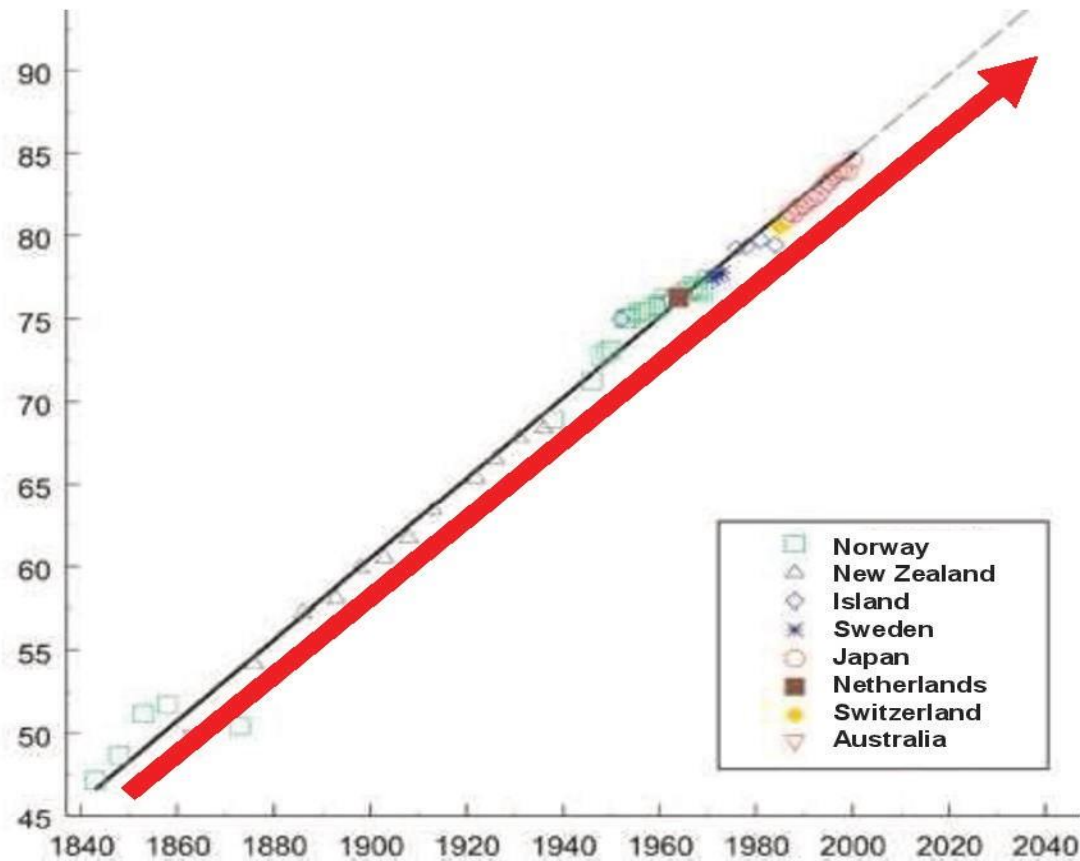
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Reality no. 3: We live longer that any prior generation

Life expectancy has been increasing since 170 years
Life expectancy for selected countries

Source: Oeppen u. Vaupel

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D: How much does your life expectancy increase every day?

1: 6 minutes

2: 60 minutes

3: 1.6 hours

4: 6 hours

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During the last 70 years, global life expectancy has increased by 20 years world regions, 1950-2015

Life expectancy by

Source: UNPD 2011

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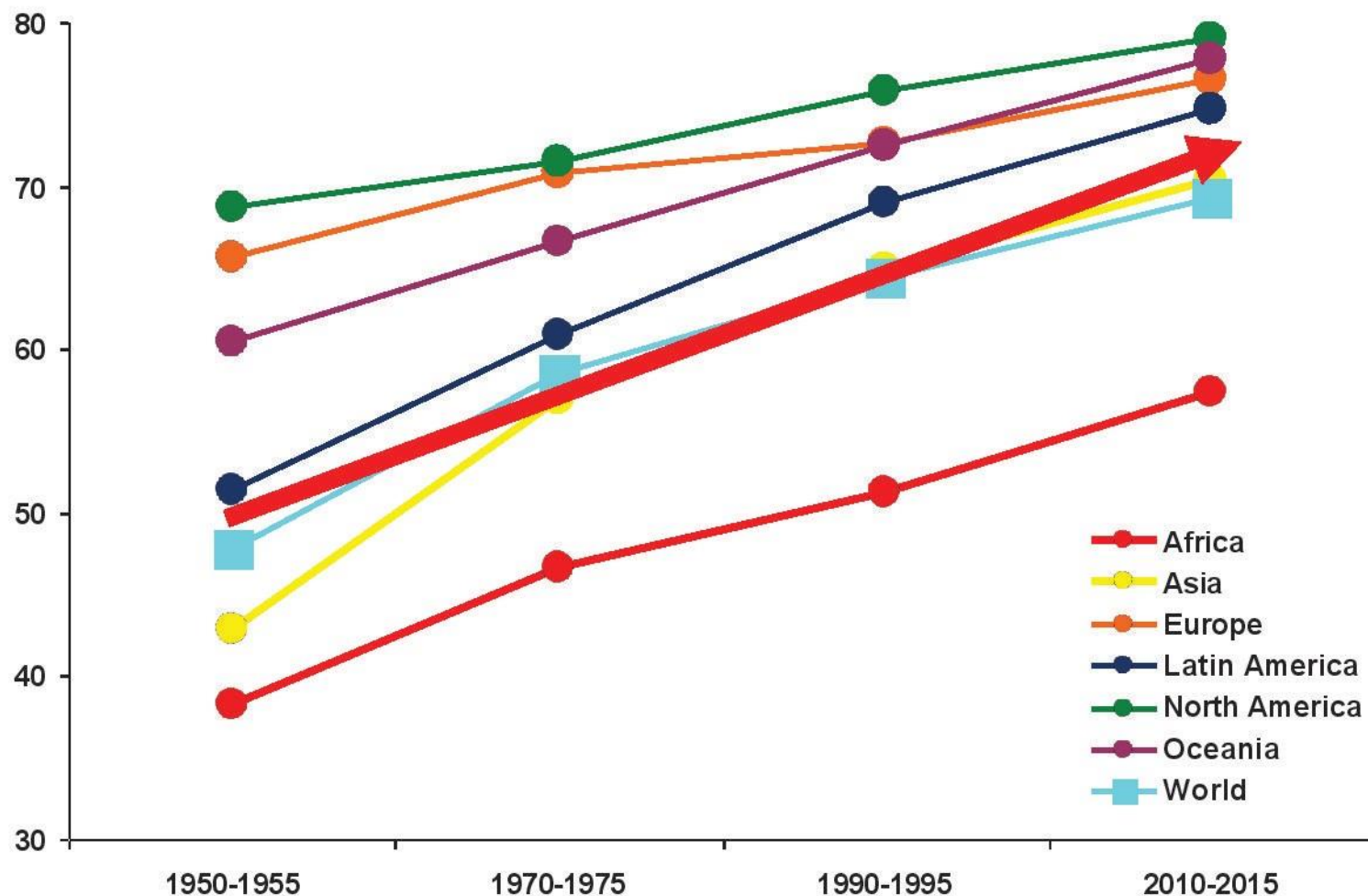
Reality no. 4:
We have fewer children
than any prior generation

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The main driver of uneven population change: Very unequal numbers of children

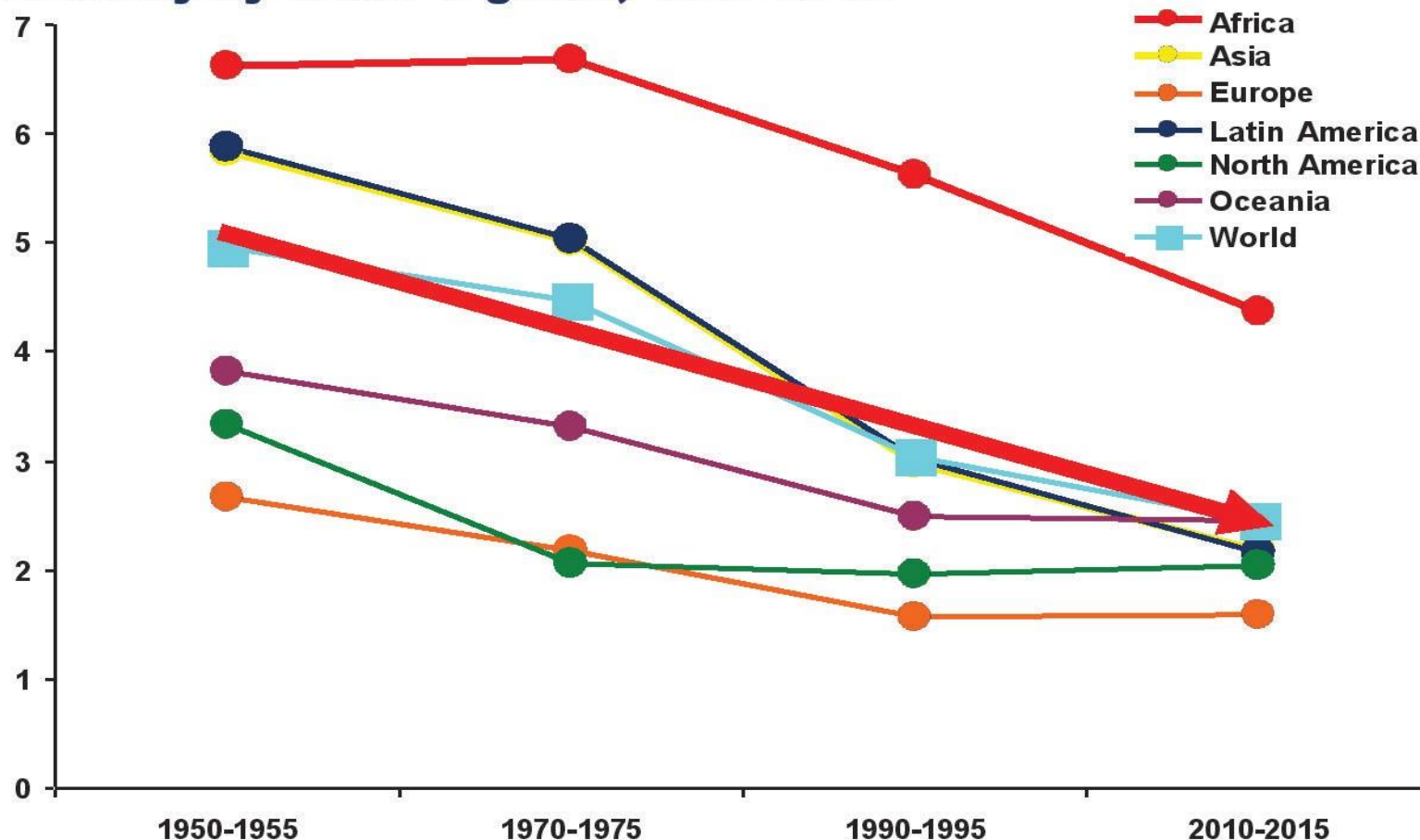**Number of children per woman (total fertility), 2010-2015**

0.8 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8 8.5 9.25

Source: UN DES

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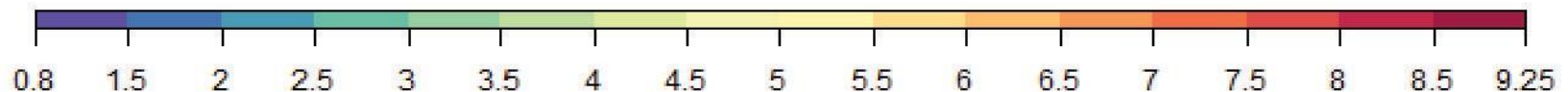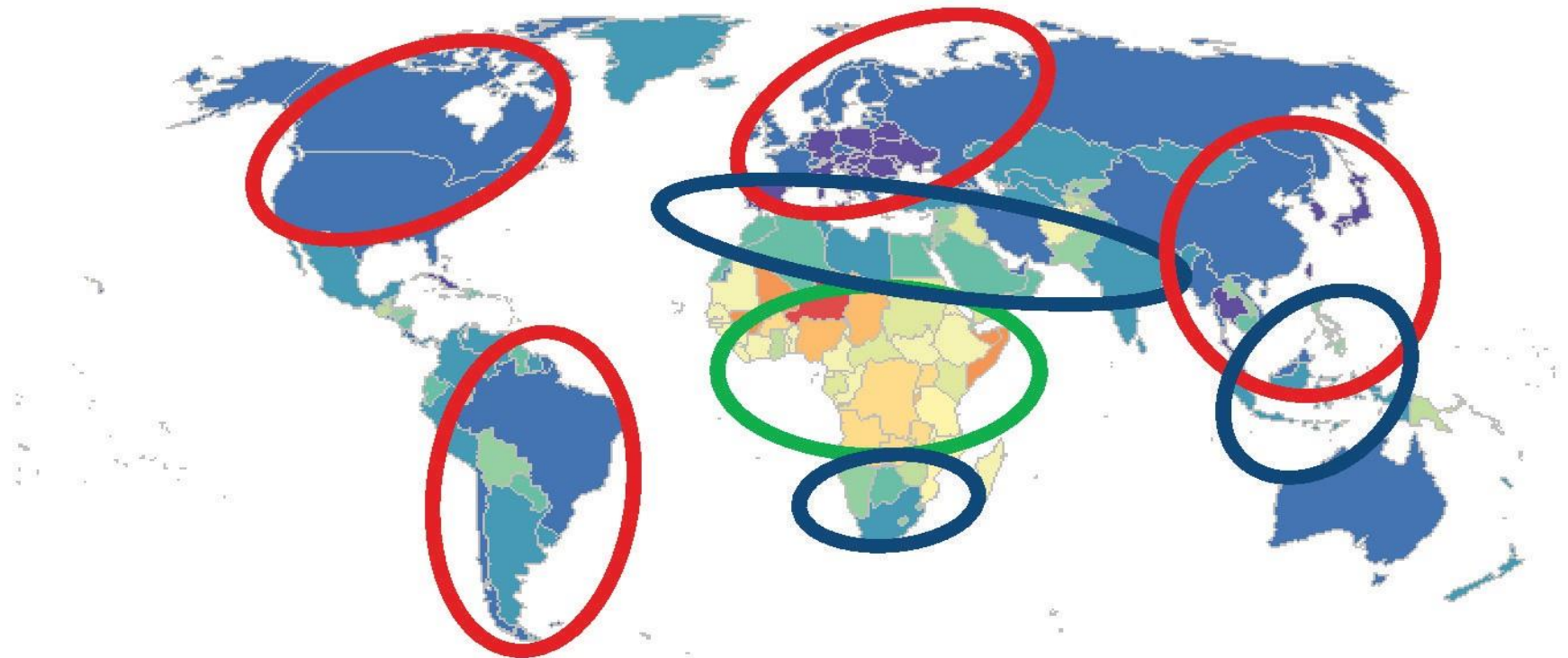
During the last six decades, the overall number of children per woman has halved

Total fertility by world regions, 1950-2015

Source: UNPD 2011

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Women have fewer children and give birth later in life!

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Reality no. 5:
Global population growth
will come to an end

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Already half of the people live in regions with less than 2 children per woman

World population by number of children per woman, 1950-2100

Source UN DESA
2011

43

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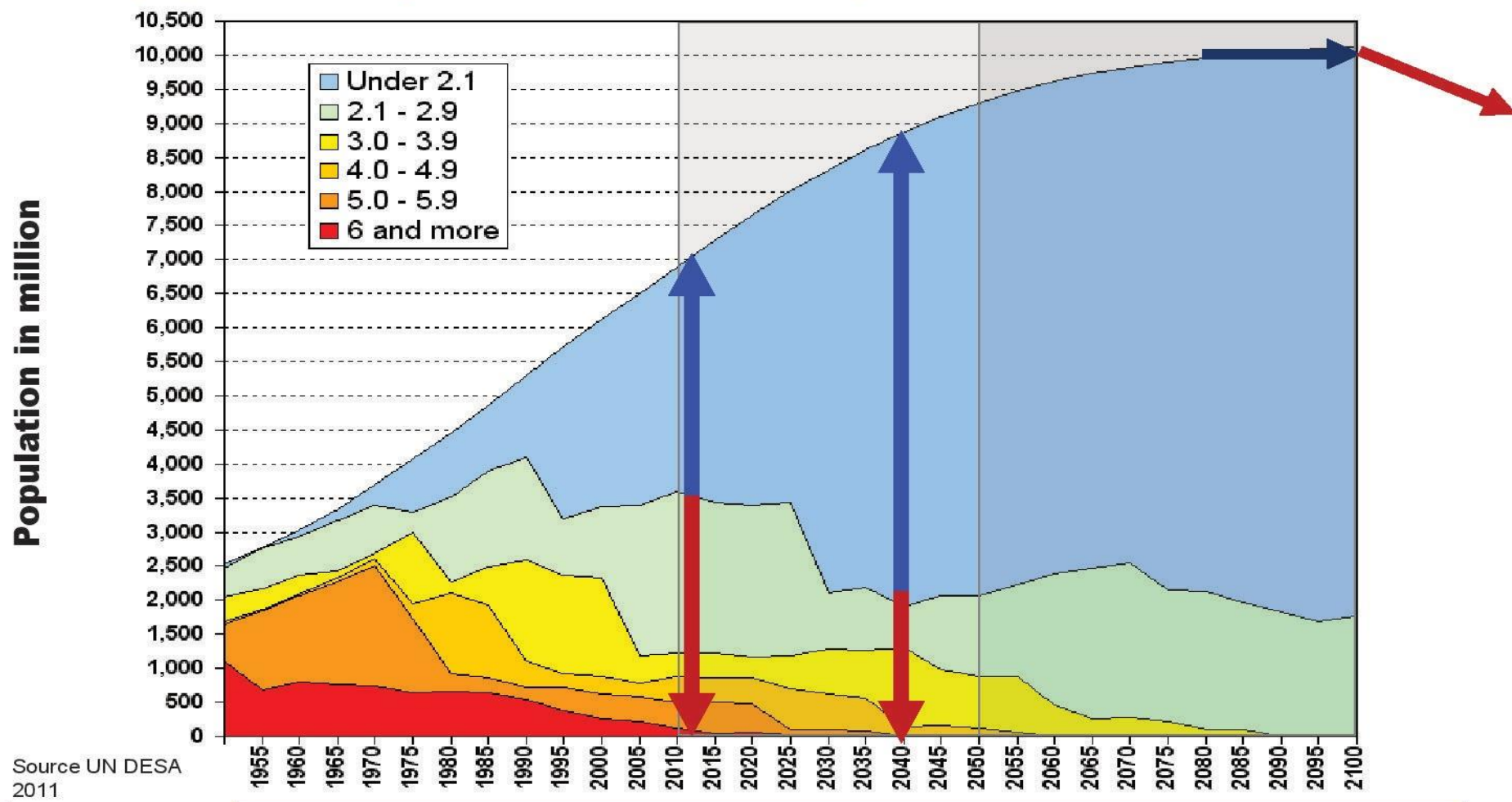
Europe's, Russia's and Japan's populations have already started to shrink

Projected population growth, 2010-2050, in %

Legend:
- to -20 %
- -20% - -5%
- -5% - 0%
- 0% - 25%
- 25% - 75%
- 75% - 100%
- 100% - 150%
- 150% - 200%
- above 200%
- n. a.

Source: Berlin Institute

Migration in Europe
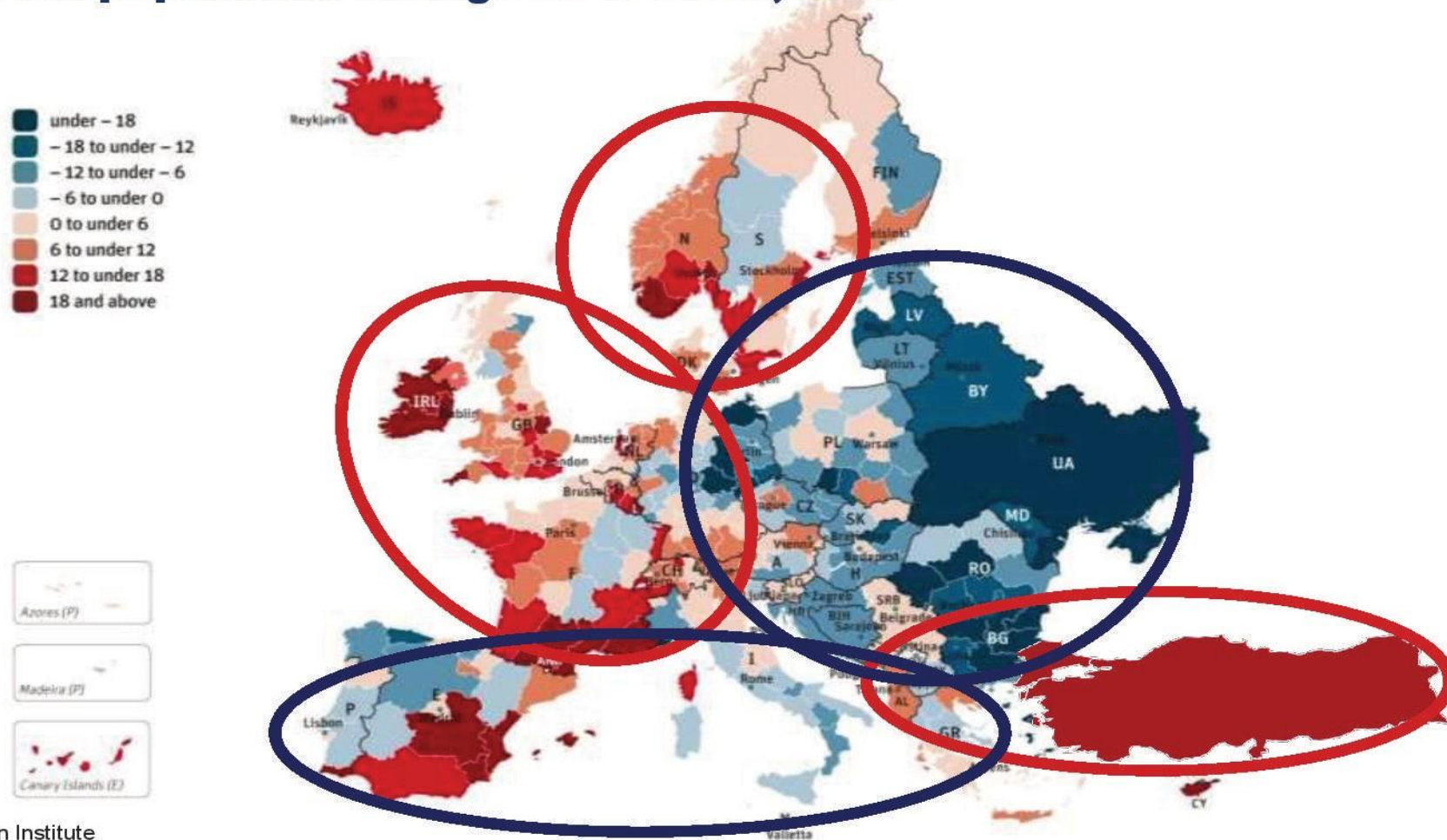MigrEU *Jean Monnet Module*

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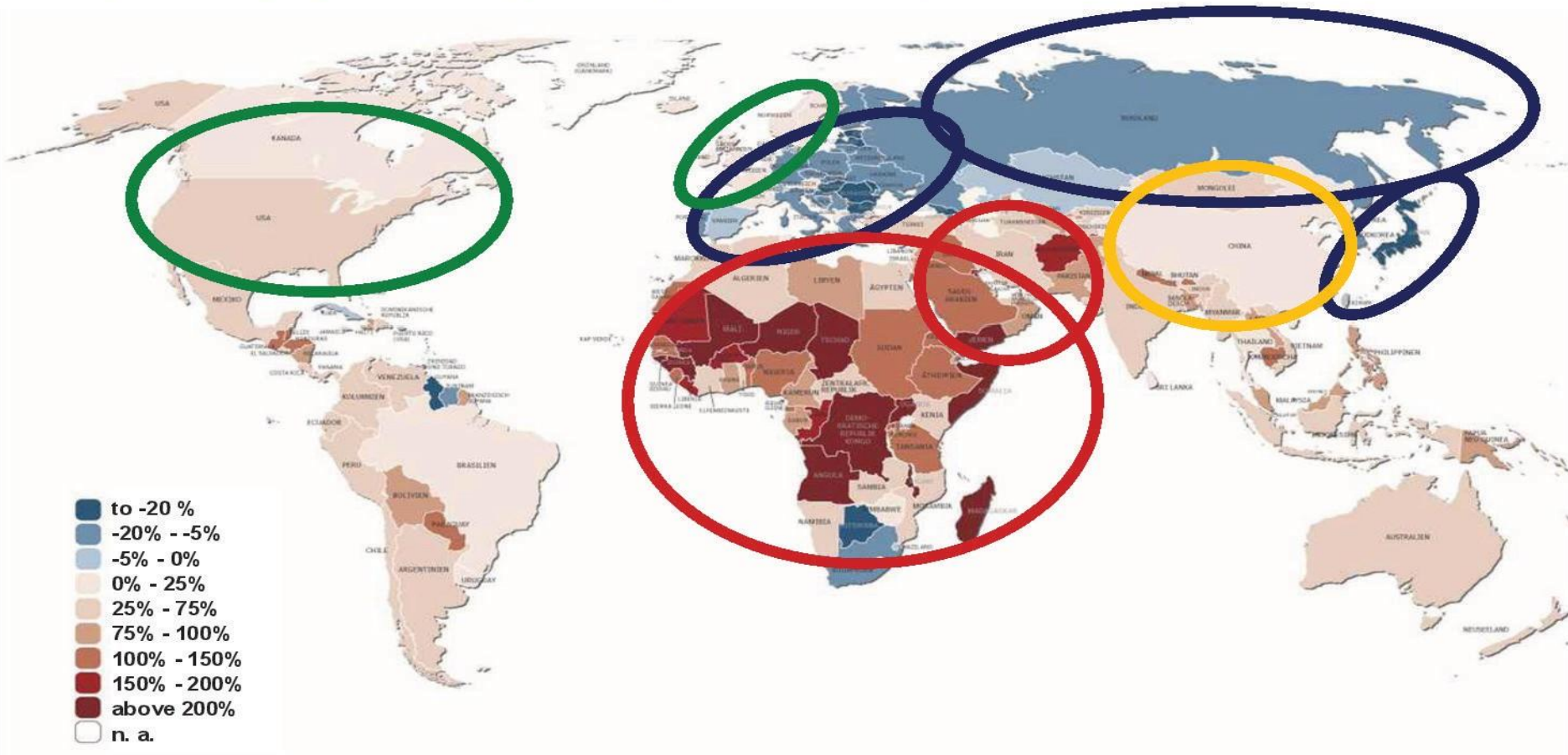
Some Regions of Europe have the most rapidly shrinking populations
Projected population change 2010-2030, in %

Source: Berlin Institute

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Part 2

What are the consequences for international migration?

Who is a migrant?

- **Recent change of residence**

  across borders
- **EU: mobility vs. migration**

  Someone not living/working in his or her country of birth

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Internationally accepted definitions:

- **Change of residence across borders with intention to stay for 12+ months**

- **Place of birth in another Country**

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What is migration?

- ## Stocks

- ## Flows

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E: How many people do not live in their country of birth (as share of world population)?

1:   3.2%

2:   6.1%

3: 13.7%

4: 31.5%
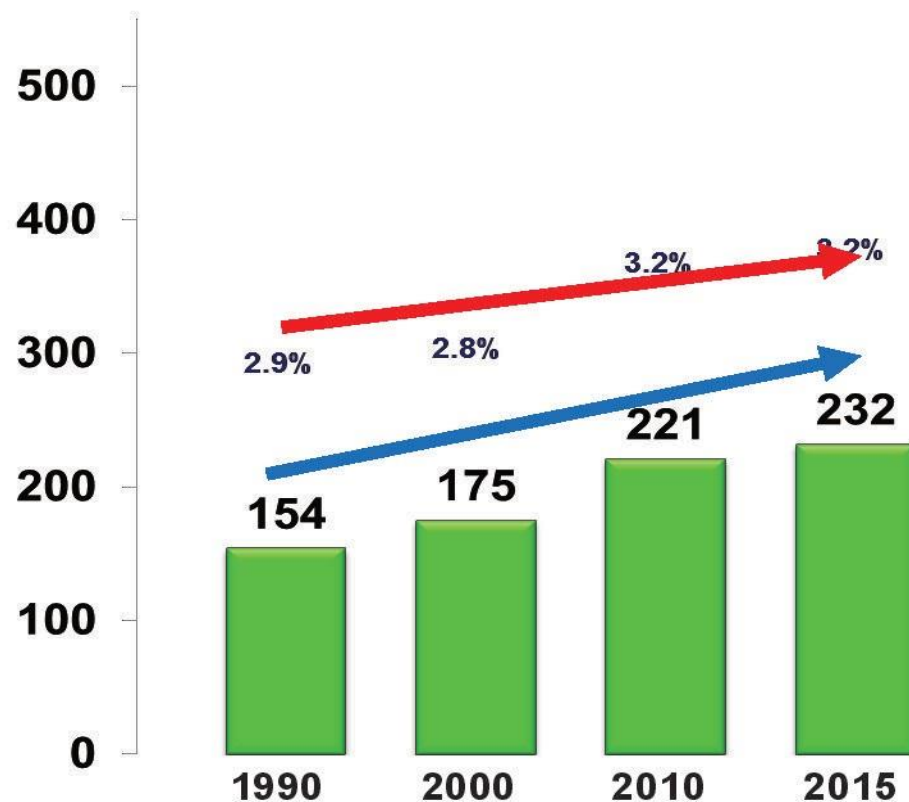
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The number of international migrants increases

Absolute numbers and share of migrants in total populati

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Let's not forget:
240 million
international migrants are only 3% of all people living on our planet

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Let's also not forget:

Many more people are internationally mobile

Seasonal workers

Trans-border commuters

Crews working on ships

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G: Is Russia among the global top-3 migrant sending countries or among the top-3 migrant receiving countries (migrant stock)?

1: Top-3 sending countries

2: Top-3 receiving countries
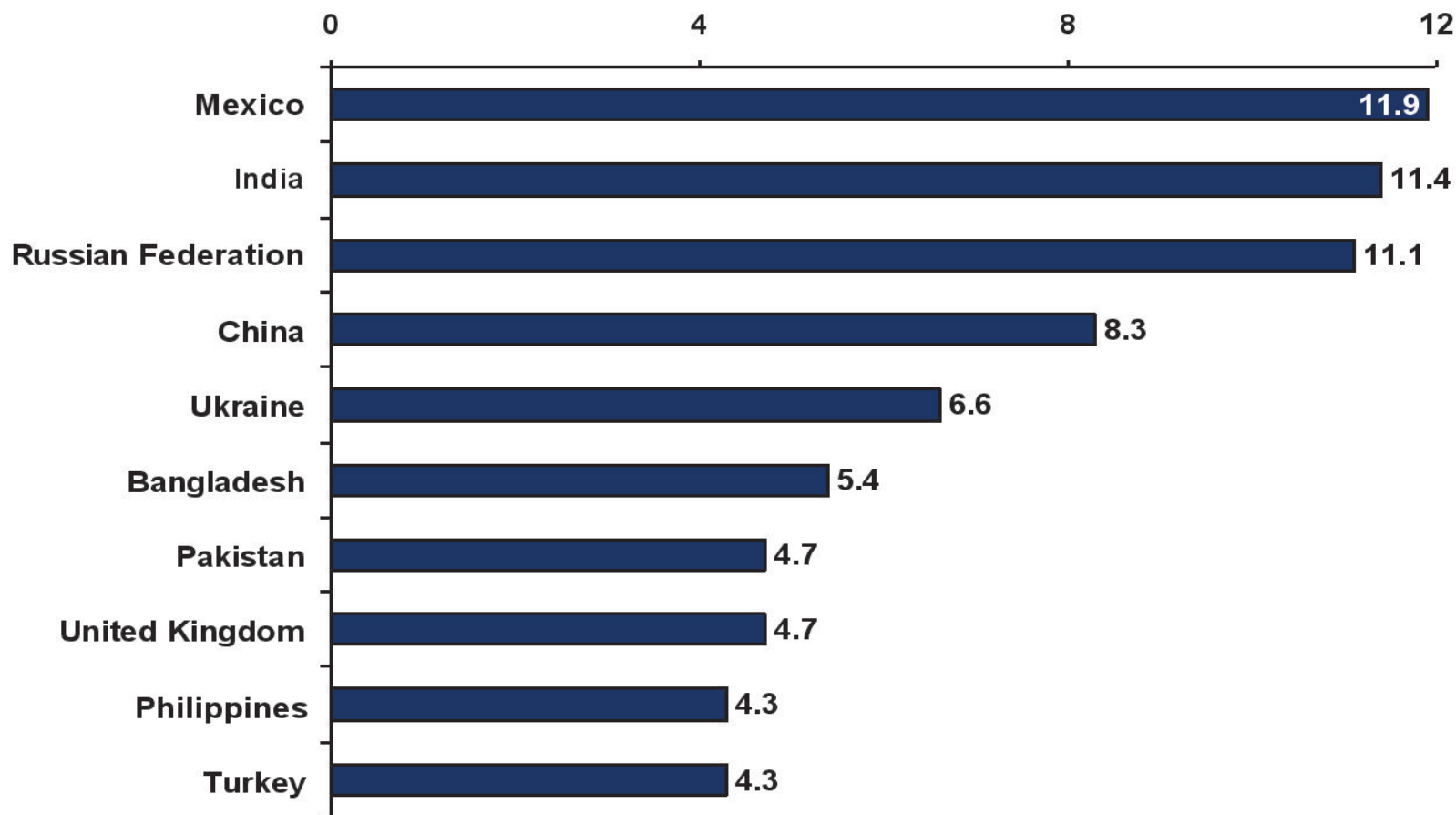
3: Both

How come you are surprised?

4: Not among the top-3 countries

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Top 10 emigration countries
Absolute number of emigrants (stock), in millions, 2010

Country	Emigrants (millions)
Mexico	11.9
India	11.4
Russian Federation	11.1
China	8.3
Ukraine	6.6
Bangladesh	5.4
Pakistan	4.7
United Kingdom	4.7
Philippines	4.3
Turkey	4.3

Source: World Bank, UNPD 2011

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Top 10 immigration countries
Number of foreign-born individuals (stock), in millions, 2010

Country	Value
United States	42.8
Russian Federation	12.3
Germany	10.8
Saudi Arabia	7.3
Canada	7.2
United Kingdom	7.0
Spain	6.9
France	6.7
Australia	5.5
India	5.4

Source: World Bank, UNPD 2011

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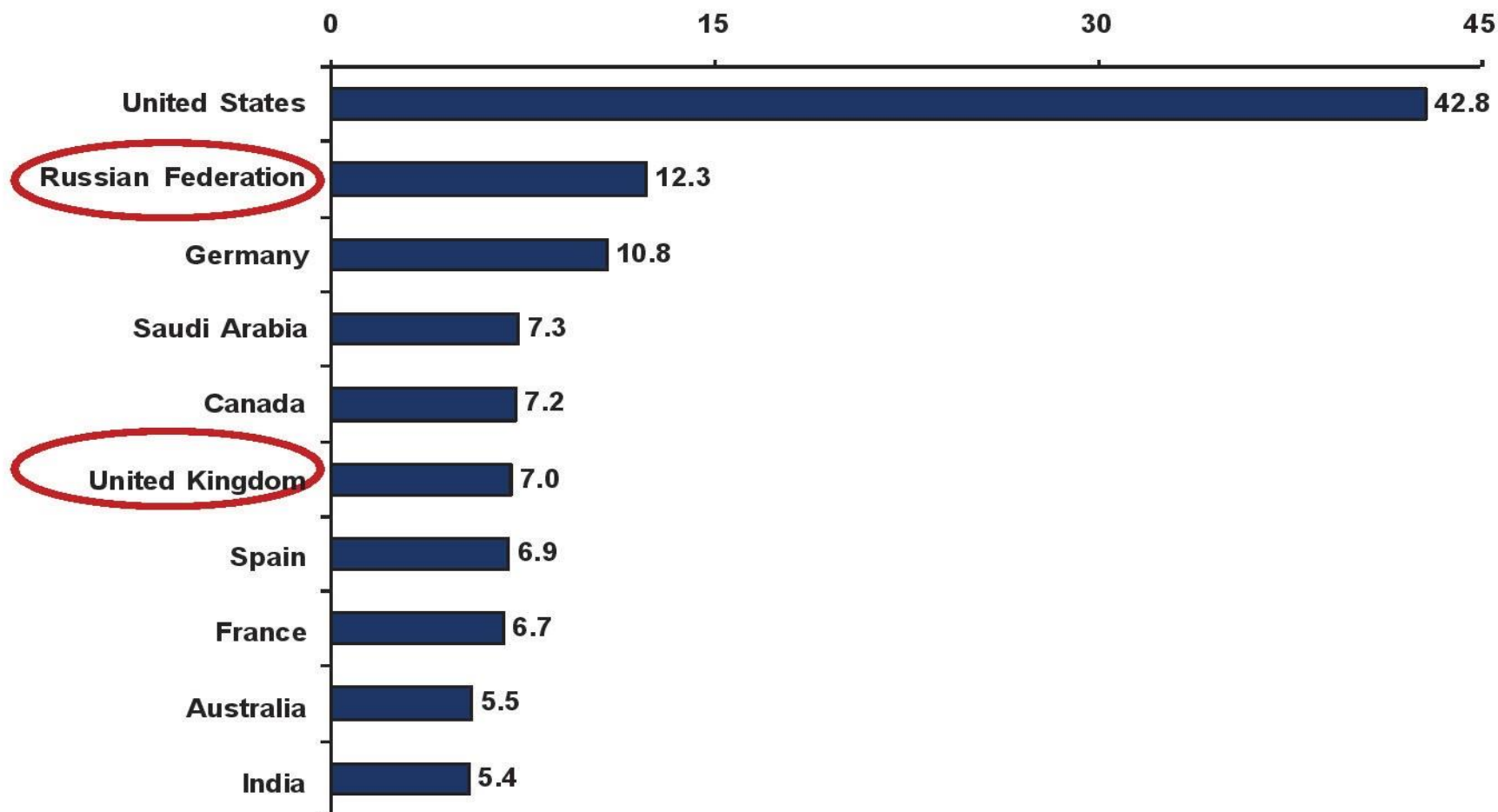
But:

It is not a one-way street

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H: Since when are more people immigrating to Europe than emigrating from Europe?

1: 1925

2: 1945

3: 1965

4: 1985

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From emigration to immigration: The main direction changed only recently

Immigration minus emigration (= net migration), 1960-2012

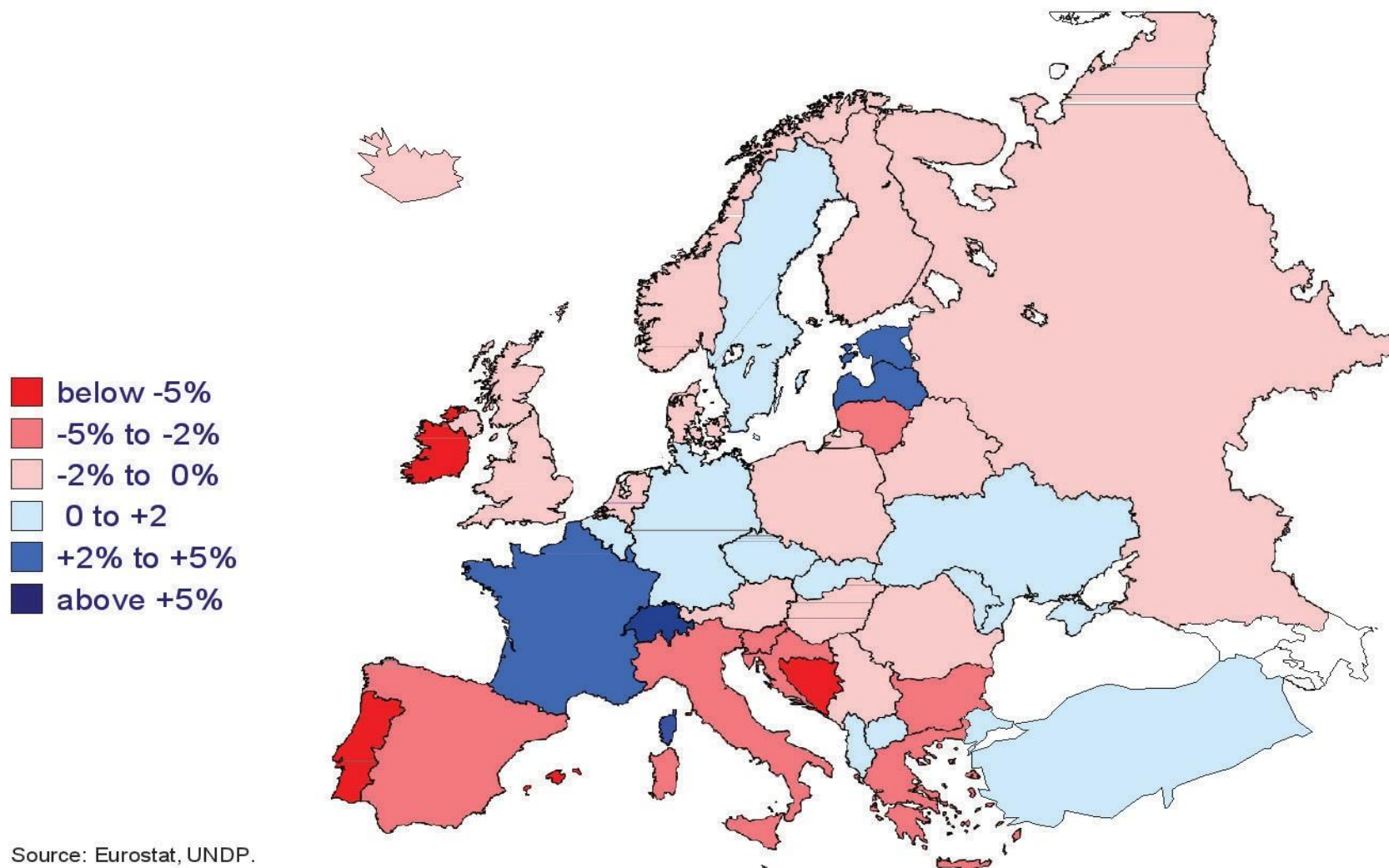Source: Eurostat.

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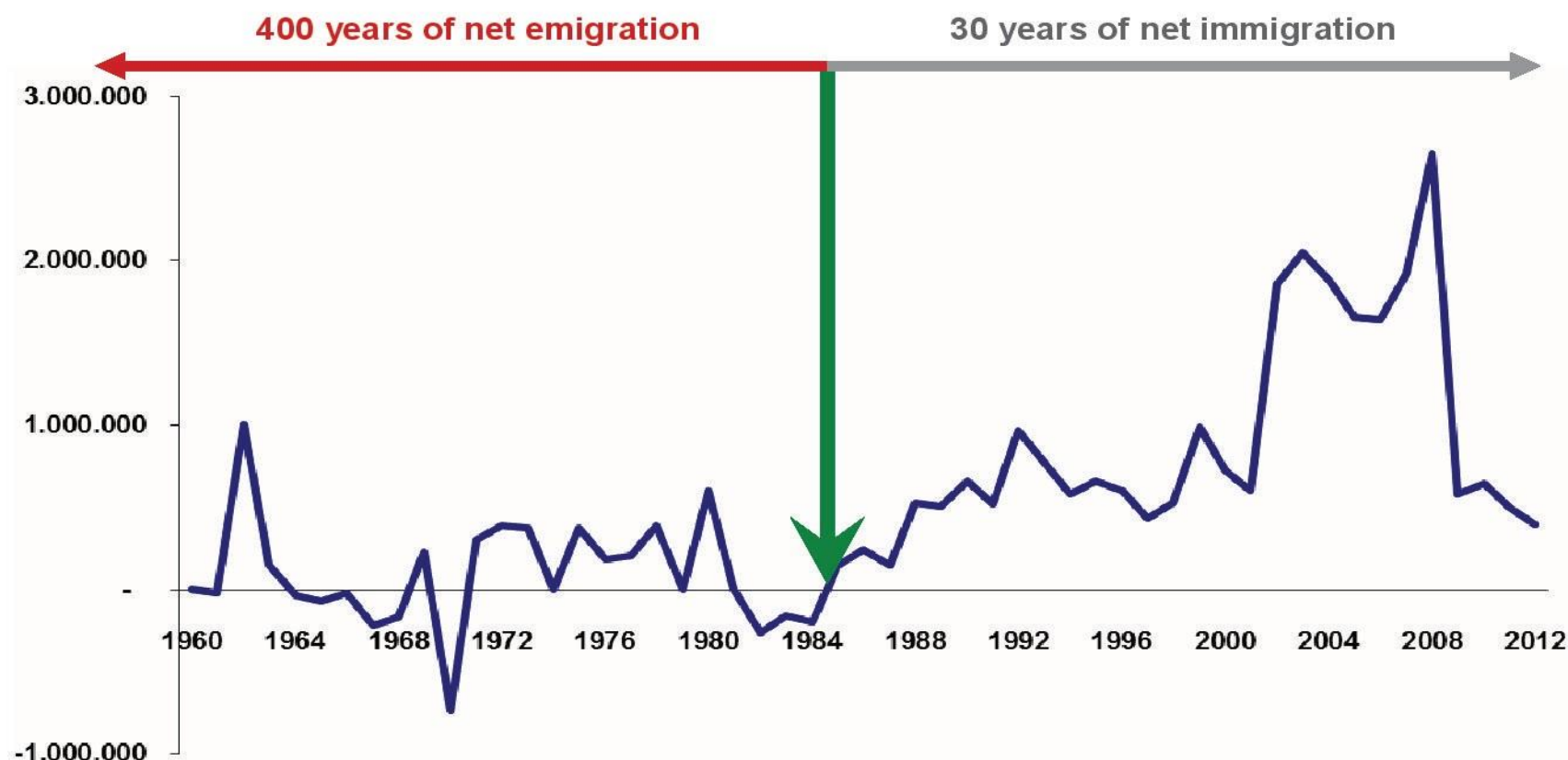
Net migration in Europe 1951-1960
Net migration, yearly average, per 1,000 inhabitants

Legend:
- below -5%
- -5% to -2%
- -2% to 0%
- 0 to +2
- +2% to +5%
- above +5%

Source: Eurostat, UNDP.

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Net migration in Europe 1961-1970
Net migration, yearly average, per 1,000 inhabitants

Legend:
- below -5%
- -5% to -2%
- -2% to 0%
- 0 to +2
- +2% to +5%
- above +5%

Source: Eurostat, UNDP.

65

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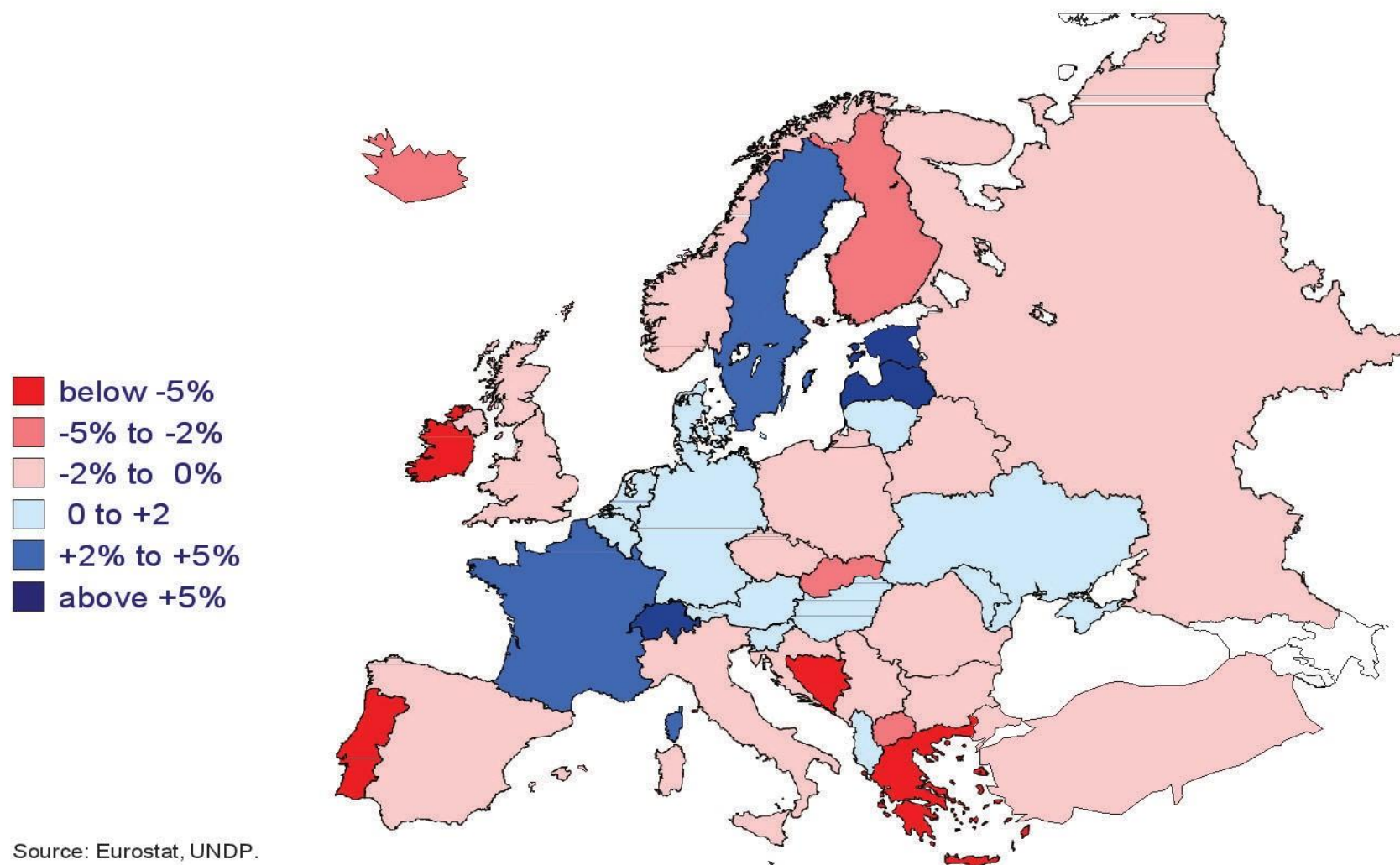
Net migration in Europe 2001-2009
Net migration, yearly average, per 1000 inhabitants

Legend:
- below -5%
- -5% to -2%
- -2% to 0%
- 0 to +2
- +2% to +5%
- above +5%

Source: Eurostat, UN DESA

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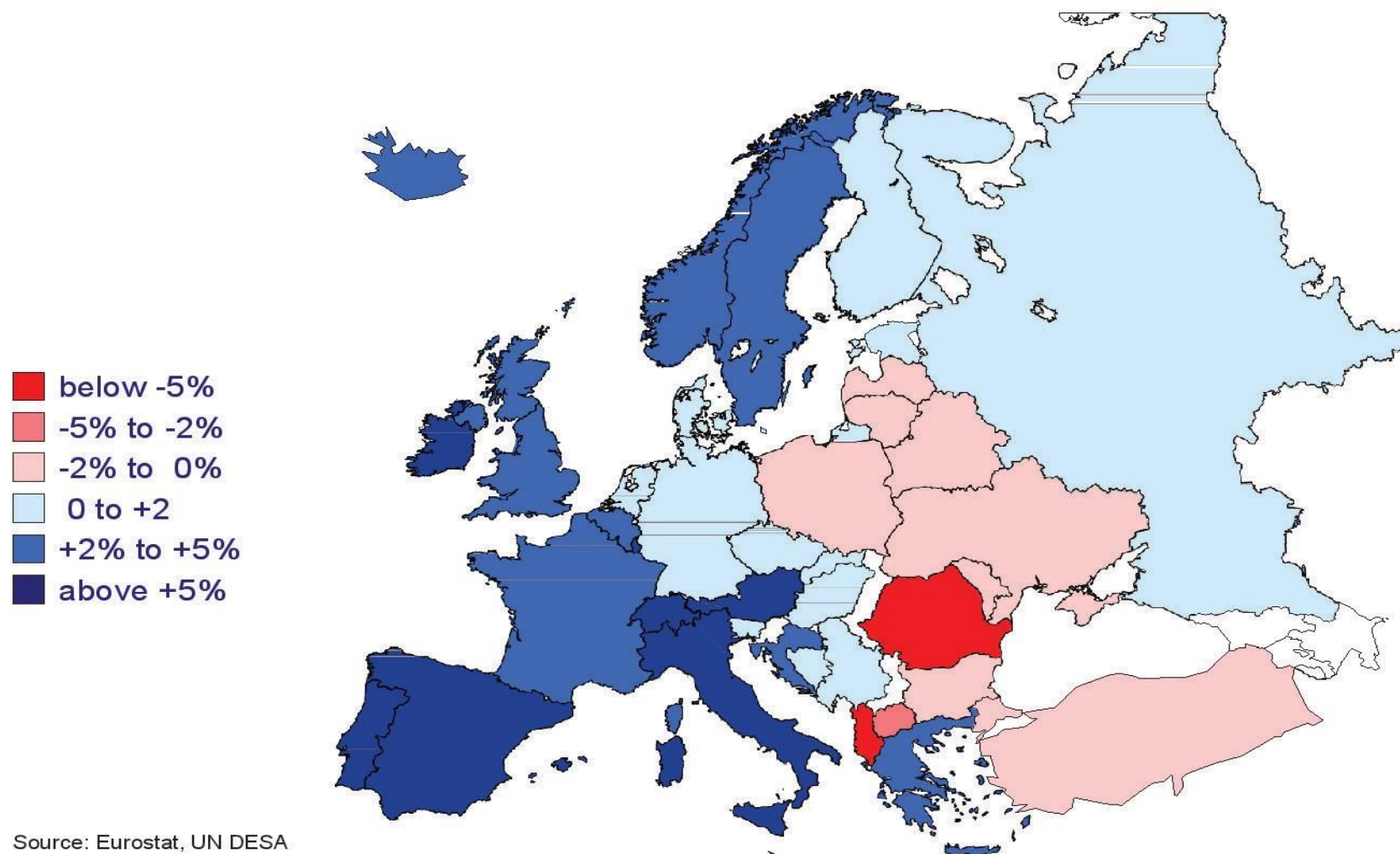
Net migration in Europe 2010-2012
Net migration, yearly average, per 1000 inhabitants

Legend:
- below -5%
- -5% to -2%
- -2% to 0%
- 0 to +2
- +2% to +5%
- above +5%
- Direction changed recently
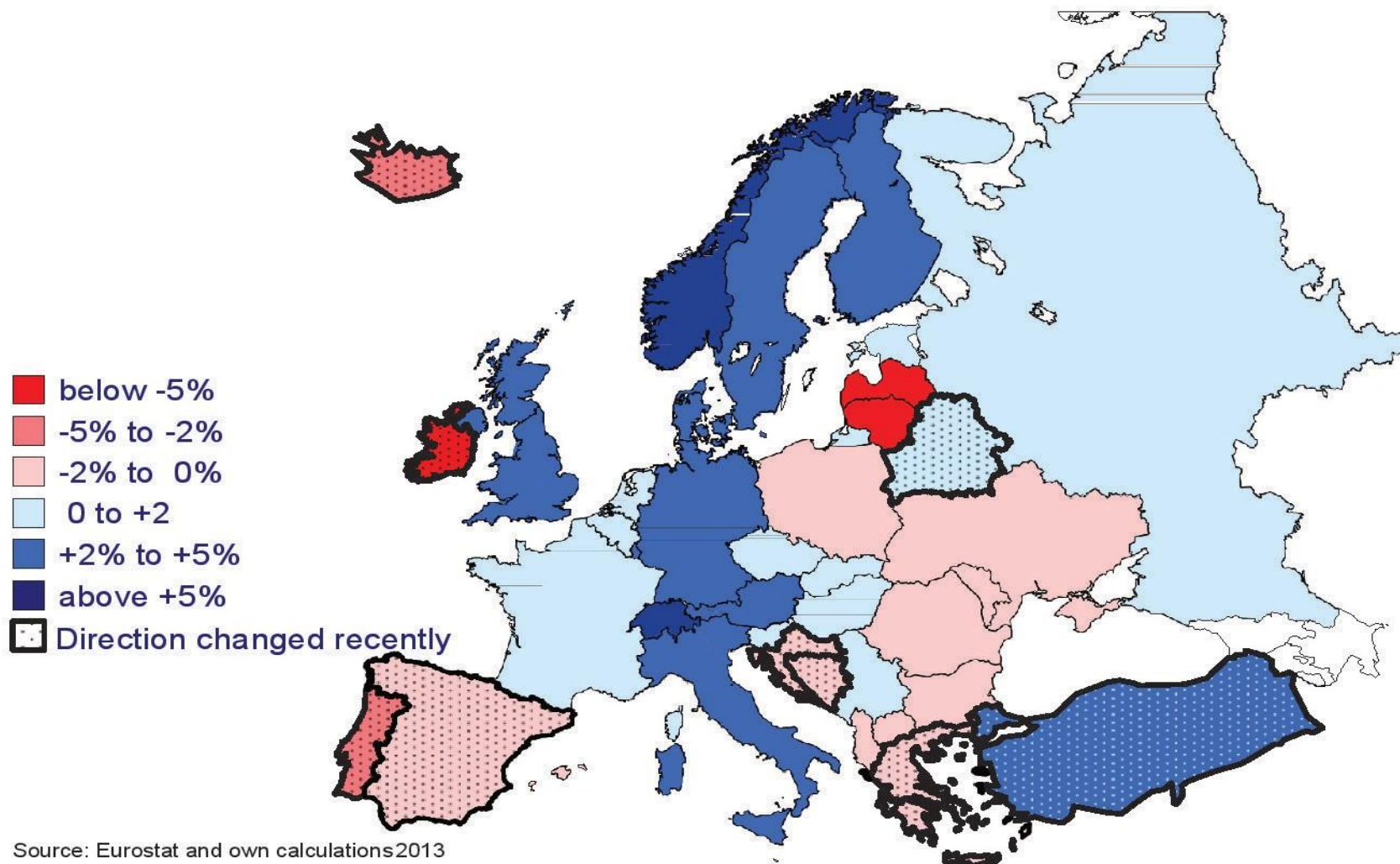
Source: Eurostat and own calculations 2013

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Reality no. 6:
The size and geography of international migration are changing

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240 million

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I: Which migration movement today is the most important one?

ANodtwhiSouthrewas it 200 years ago?

1: **North-North**

2: **South-South**

3: **South-North**

4: **North-South**

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From where to where?
Migrant stocks, 2015 by origin and destination

North → 58 million → North

88 million (upward)

14 million (downward)

92 million (leftward)

South   South

Source: World Bank based on UN DESA

Migration in Europe
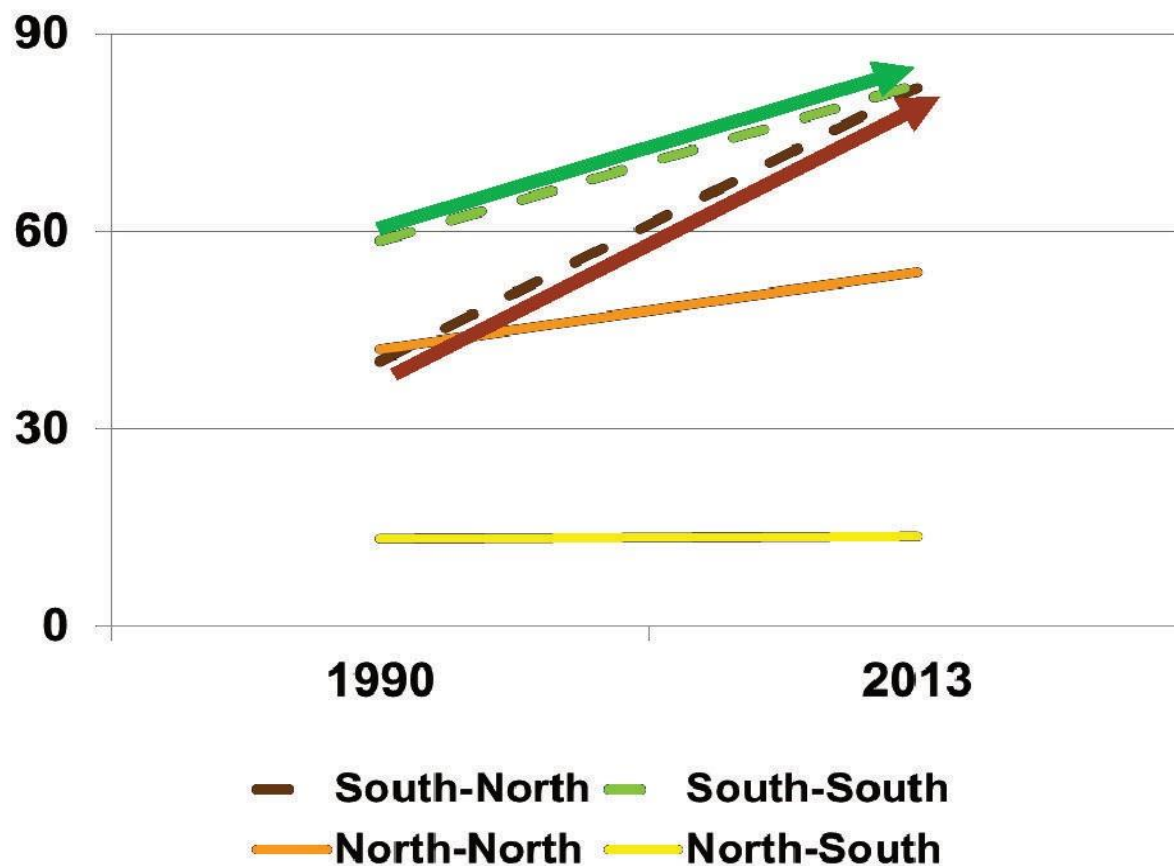**MigrEU** *Jean Monnet Module*

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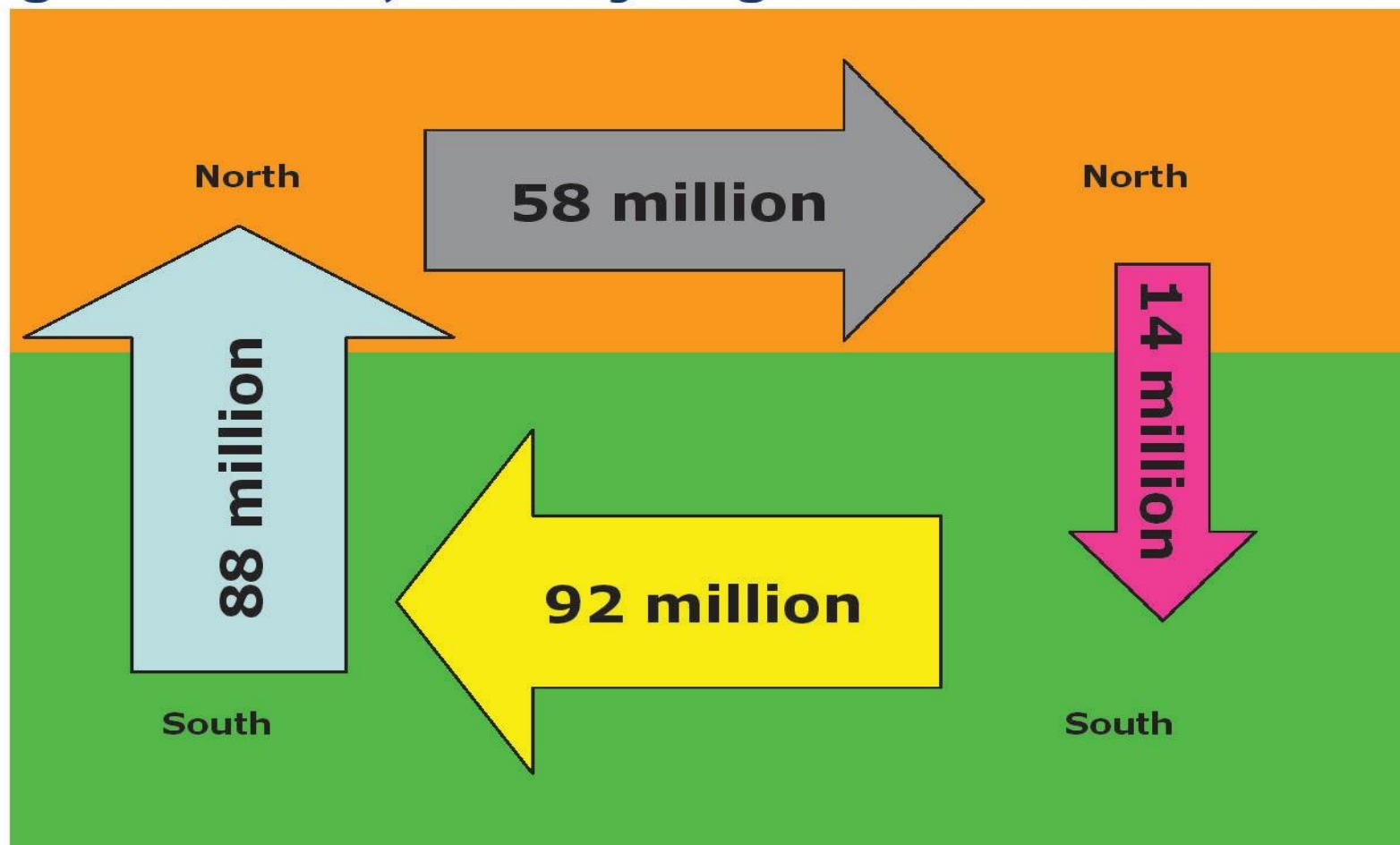
Where do they come from?
Where do they go to?
International migrants by origin and destination, 1990, 2010, in mn

Legend:
- — South-North
- — South-South
- — North-North
- — North-South

Source: United Nations, Population Division

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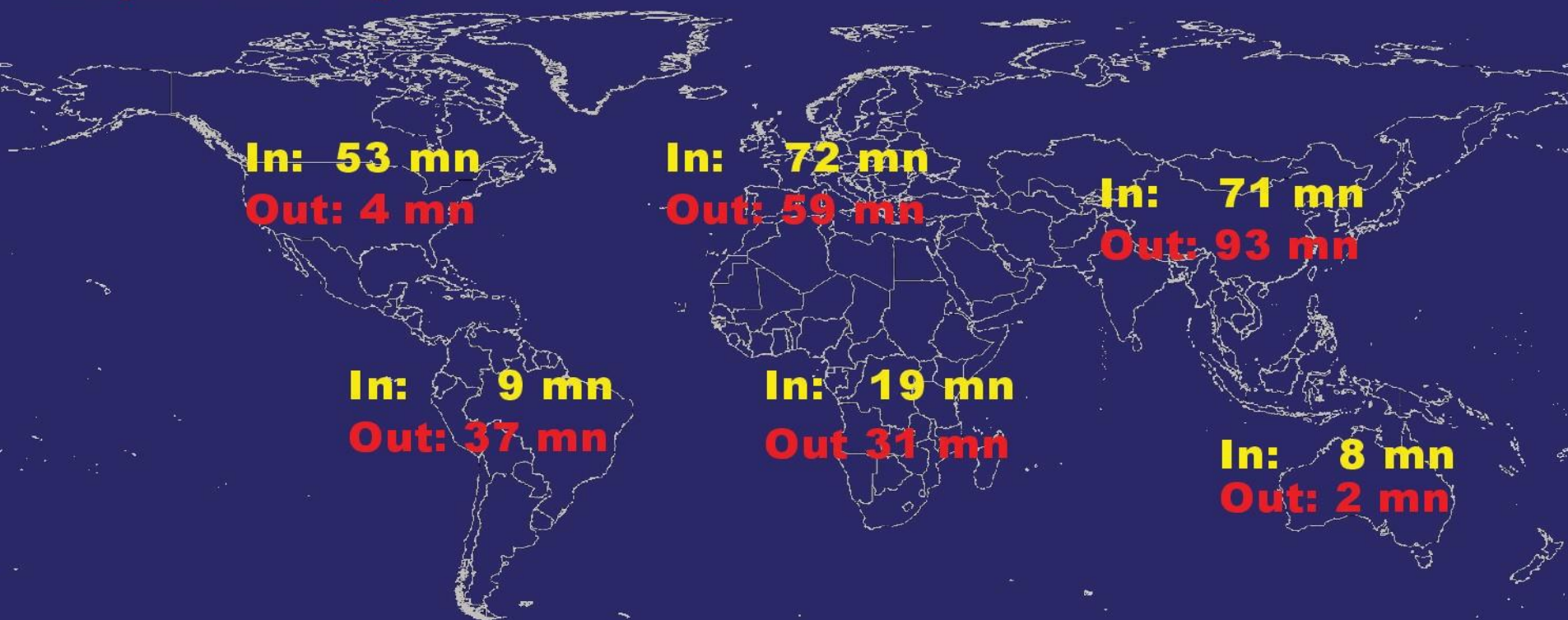Erasmus+ Programme
of the European Union

International migrants by major macro regions of origin and destination
Foreign born, stock, 2013

Immigrant stock: destination yellow
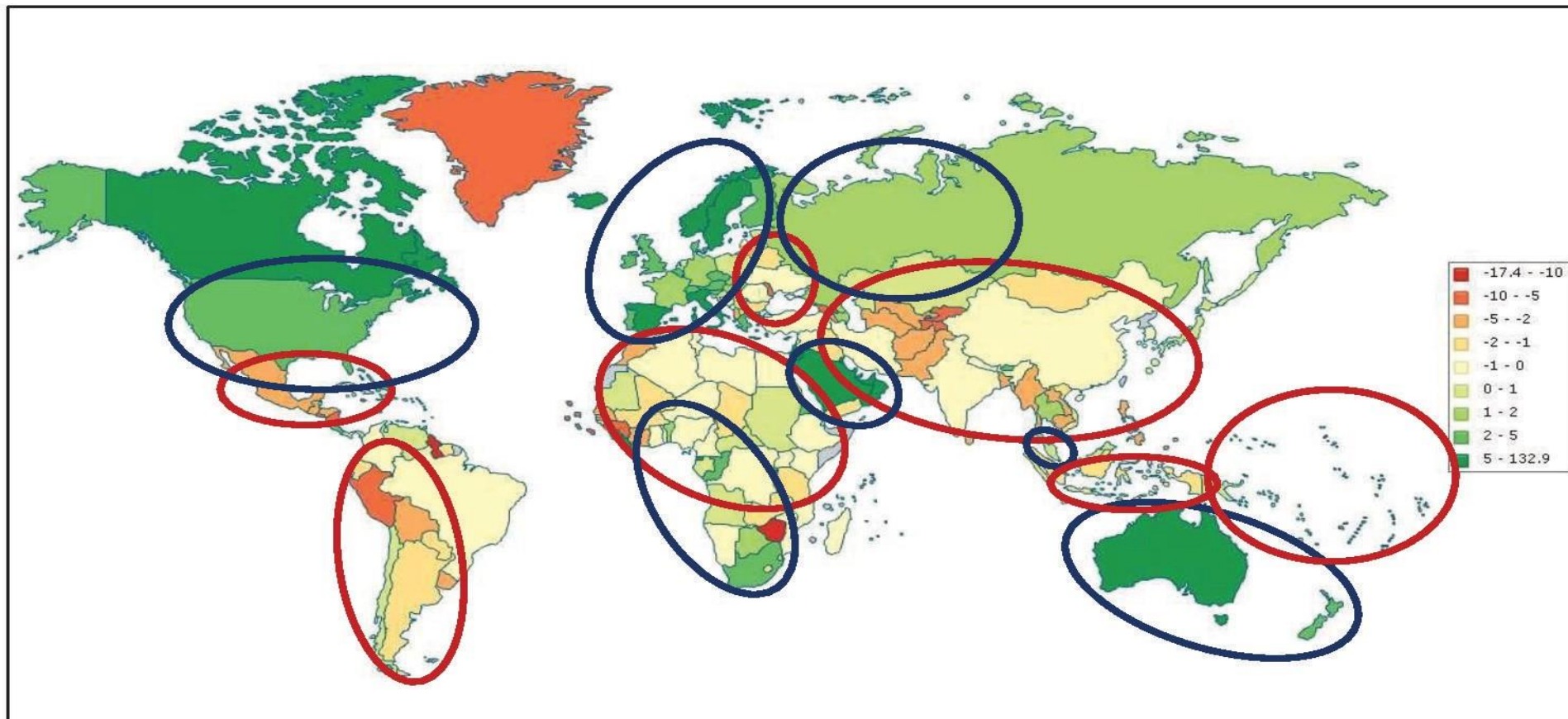Emigrant stock: origin red

In: 53 mn
Out: 4 mn

In: 72 mn
Out: 59 mn

In: 71 mn
Out: 93 mn

In: 9 mn
Out: 37 mn

In: 19 mn
Out 31 mn

In: 8 mn
Out: 2 mn

United Nations, Population Division/DESA

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Today the majority of migrants still come from poorer countries and go to richer countries
Net migration rates, 2005-2010 (annual average per 1000)

■	-17.4 - -10
■	-10 - -5
■	-5 - -2
■	-2 - -1
■	-1 - 0
■	0 - 1
■	1 - 2
■	2 - 5
■	5 - 132.9

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Open question:
Will international migration
continue at present levels?

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The number of international migrants is projected to increase further

Absolute numbers and share of migrants in total population, 1990-2013, 2030 (f)

4.5%

3.9%

3.7%

378

331

309

266

3.2%   3.2%

2.9%   2.8%

232

221

175

154

500

400

300

200

100

0

1990   2000   2010   2013

1990-2000 growth rate

2000-2010 growth rate

2010-2013 growth rate

UN Population Division

2030

United Nations, Population Division/DESA

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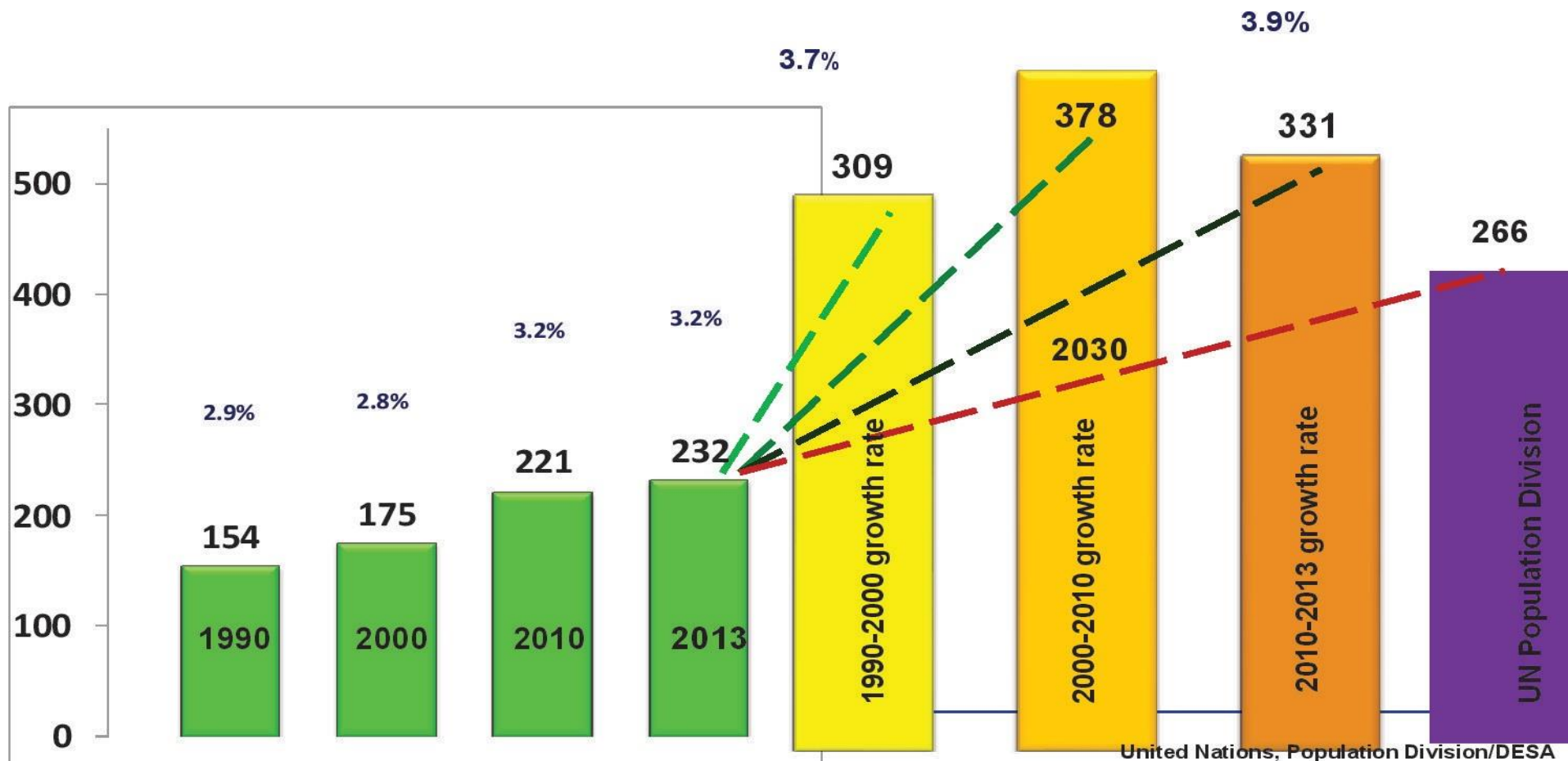
Emerging regions continuously outgrow the advanced world
Contribution to global GDP growth
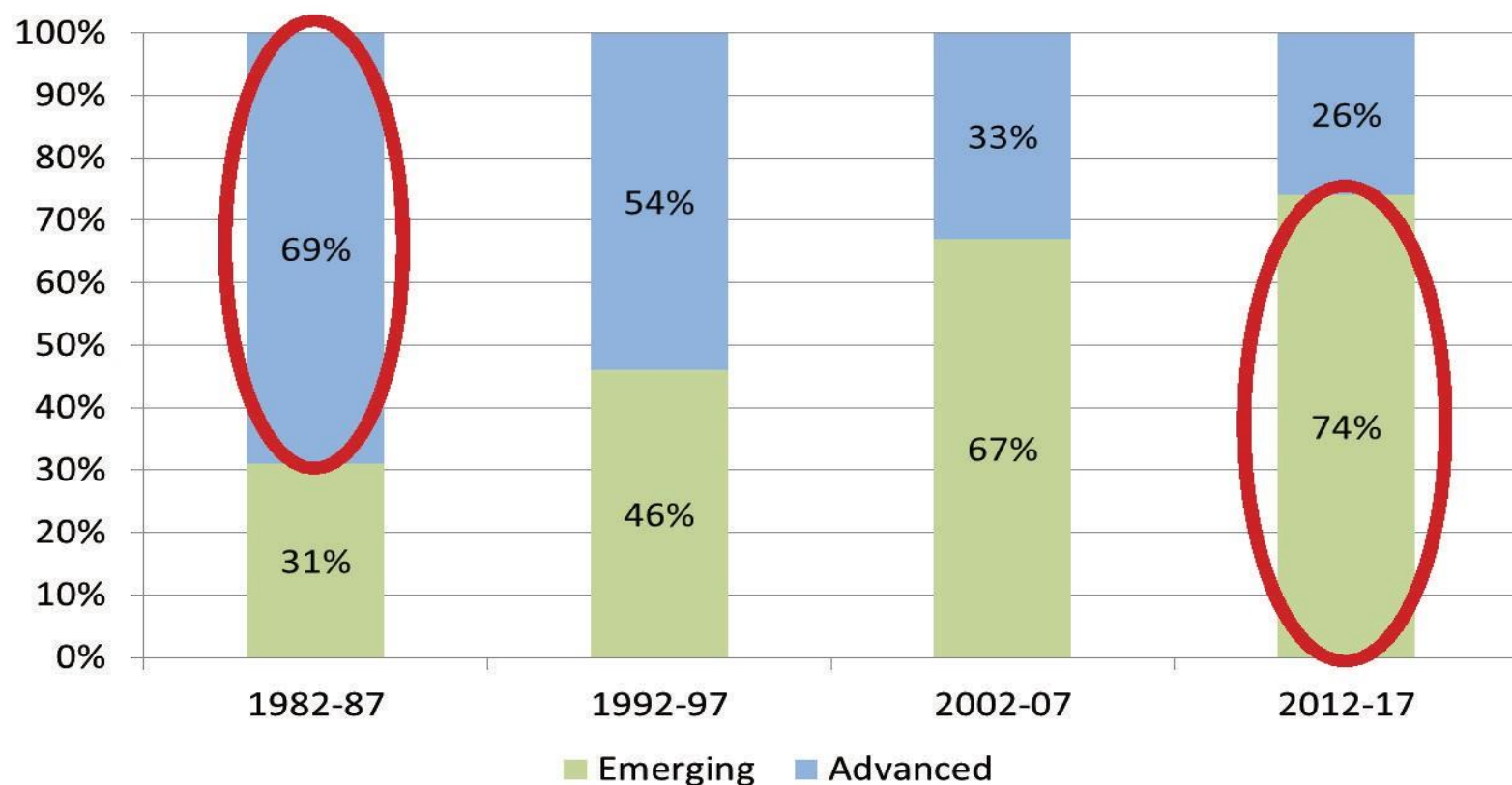
Source: Financial Times

Migration in Europe
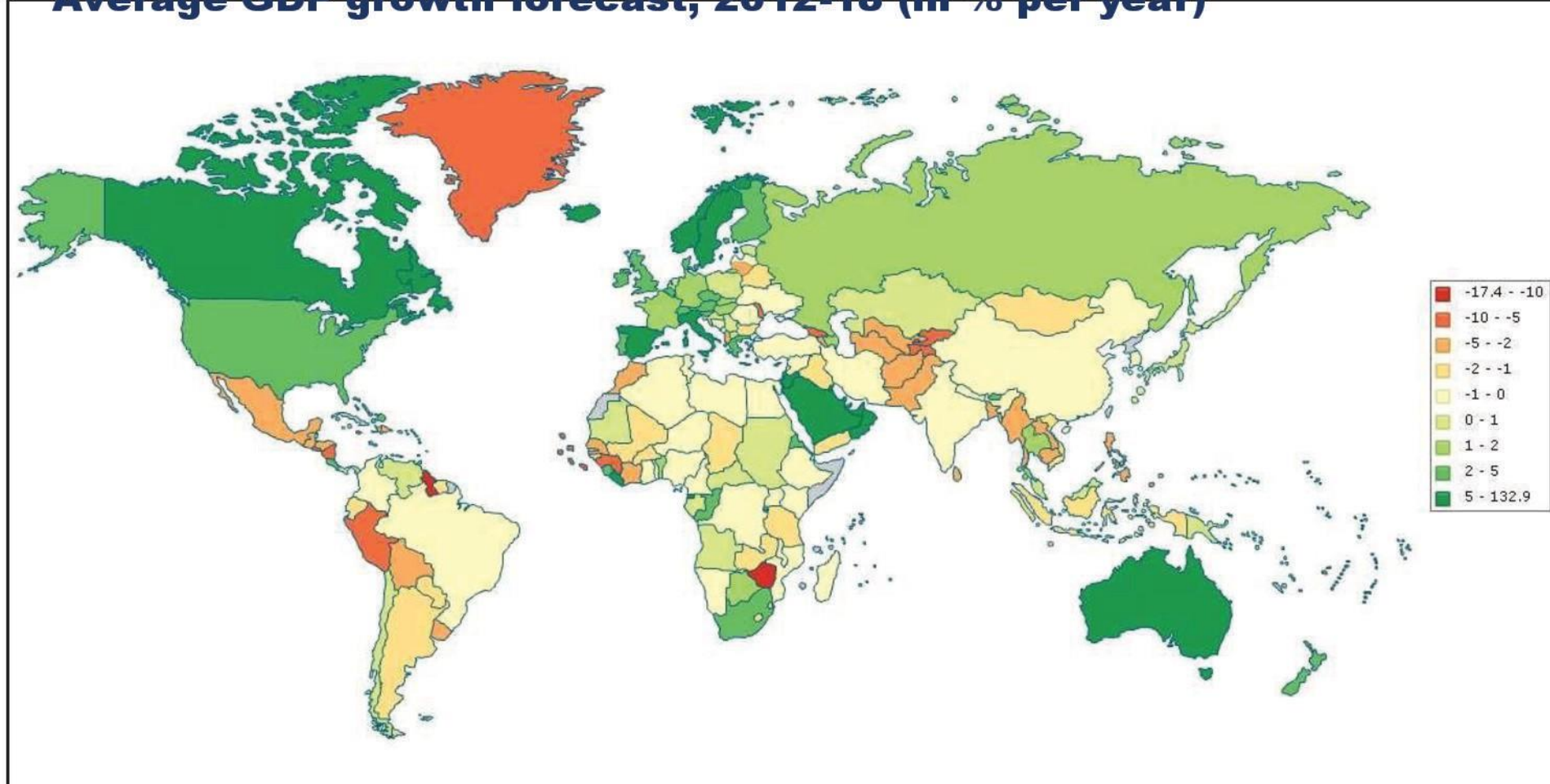**MigrEU** *Jean Monnet Module*

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Most of today's migrant sending countries will economically outgrow today's receiving countries
Average GDP growth forecast, 2012-18 (in % per year)

■	-17.4 - -10
■	-10 - -5
■	-5 - -2
■	-2 - -1
■	-1 - 0
■	0 - 1
■	1 - 2
■	2 - 5
■	5 - 132.9

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Above income levels of US$ 9,000 per capita net emigration on average gets to zero
Annual average net migration per 1000 inhabitants, 2005-2010
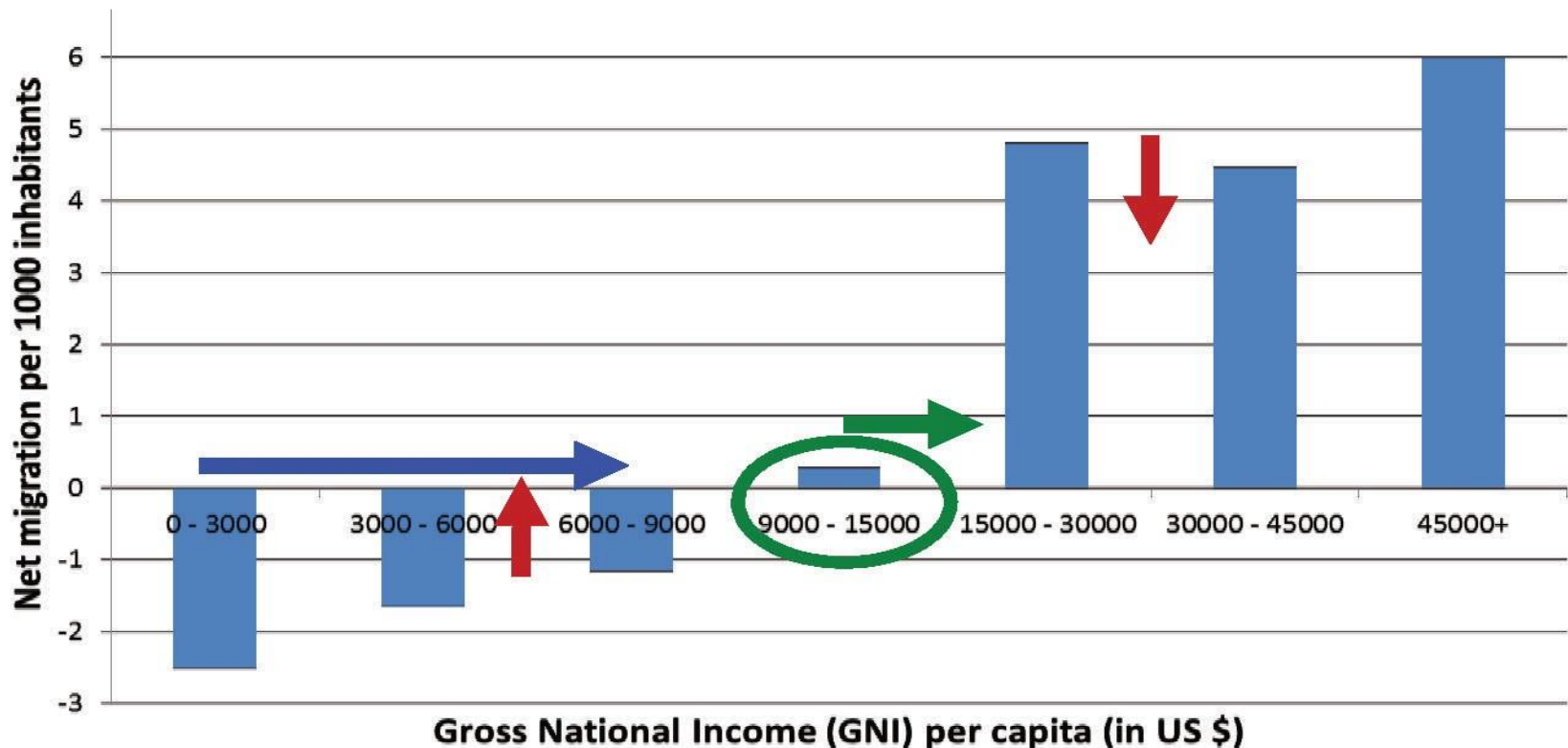
Source: UN, Erste Research

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Part 3

What challenges are we facing?

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Challenge no. 1:
Shrinking labour force in the global North

Increasing numbers of young adults in the global South

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The working-age population will shrink in Europe and China, but not in Africa and India
Population age 20-65 in mn by major regions, 1950-2050

Source: UN DESA

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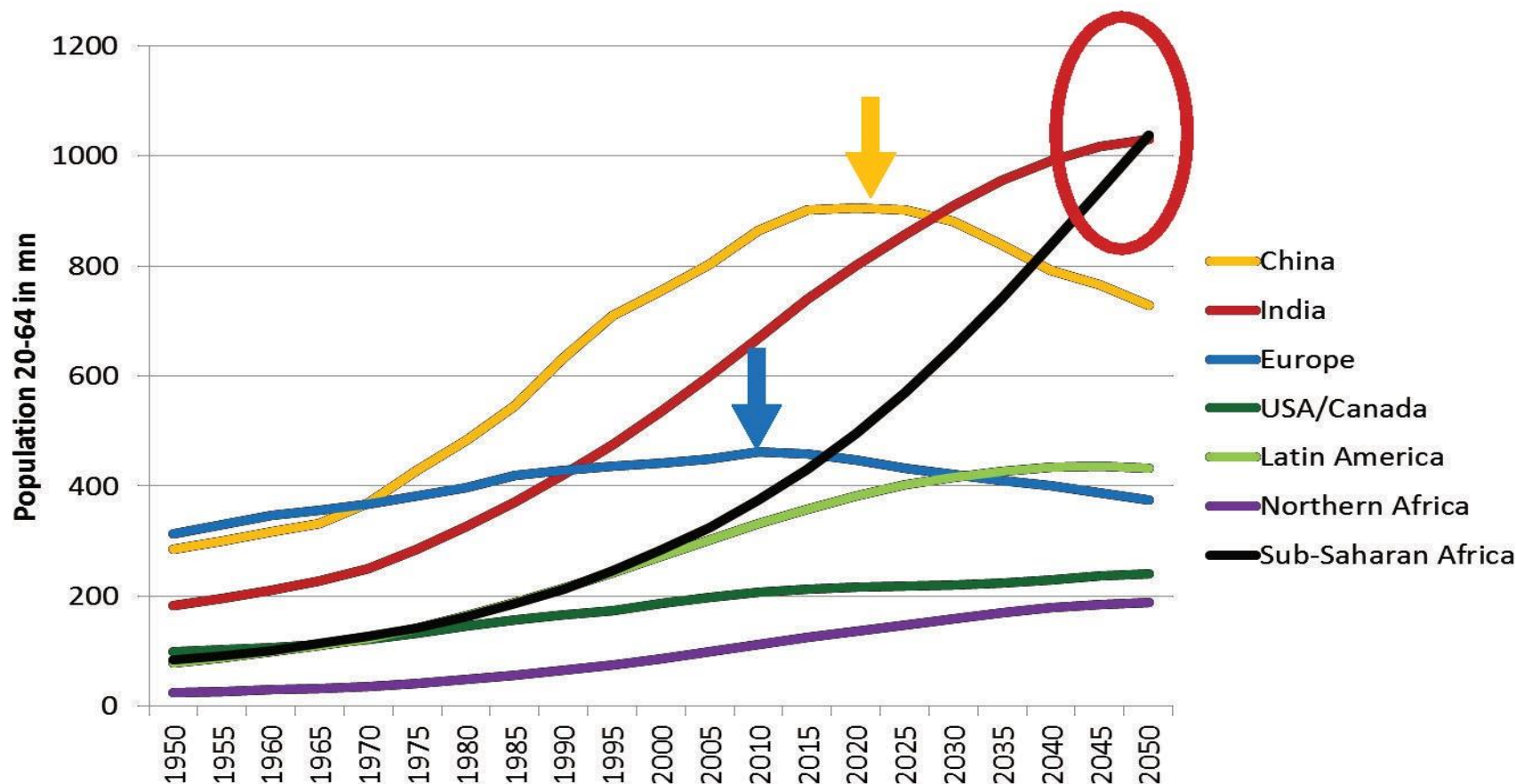
Challenge no. 2: Mobilizing the right migrants

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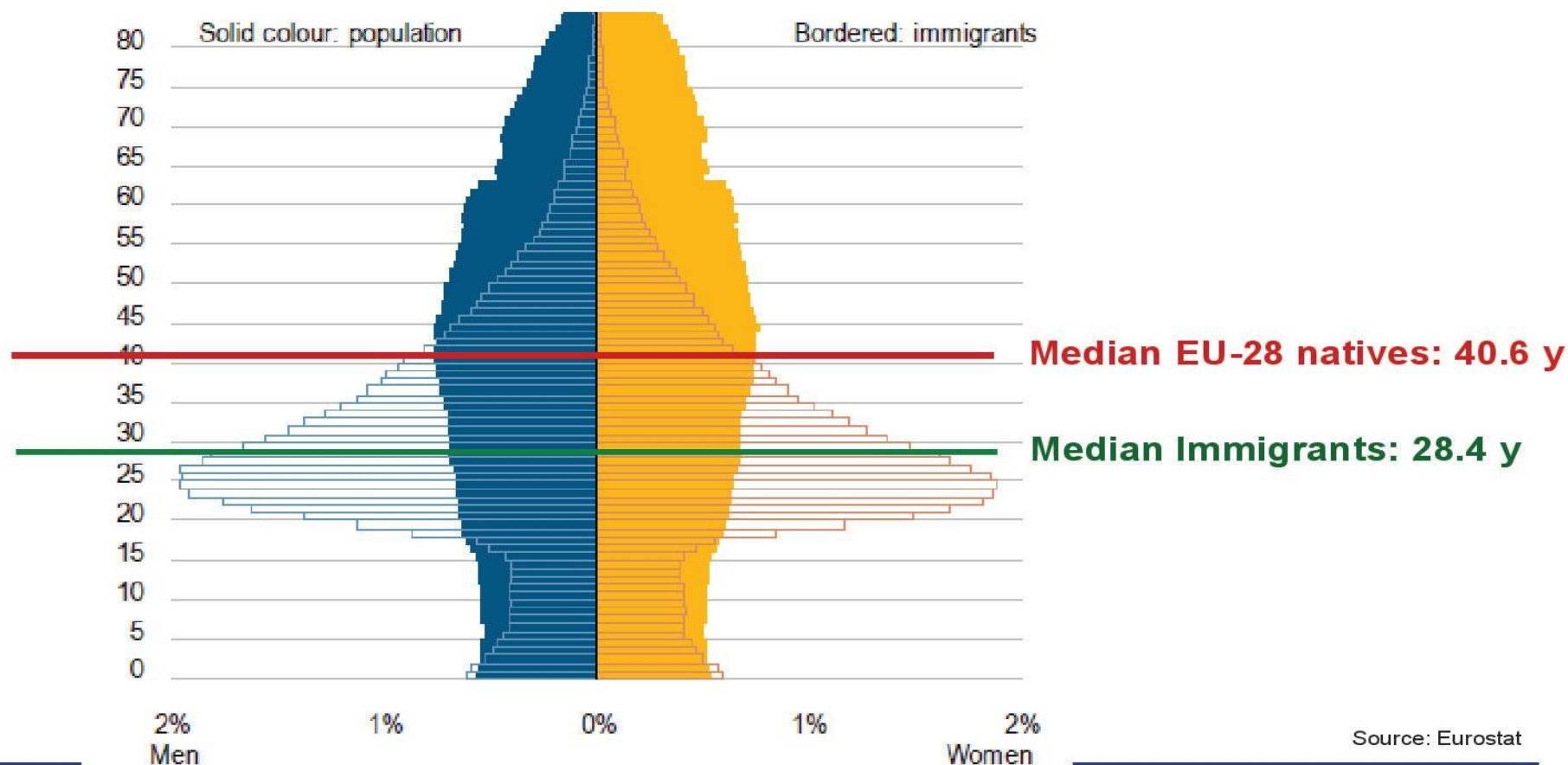
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How to match talented and qualified migrants with adequate jobs?

Migration helps reducing the pace of demographic aging in the global North
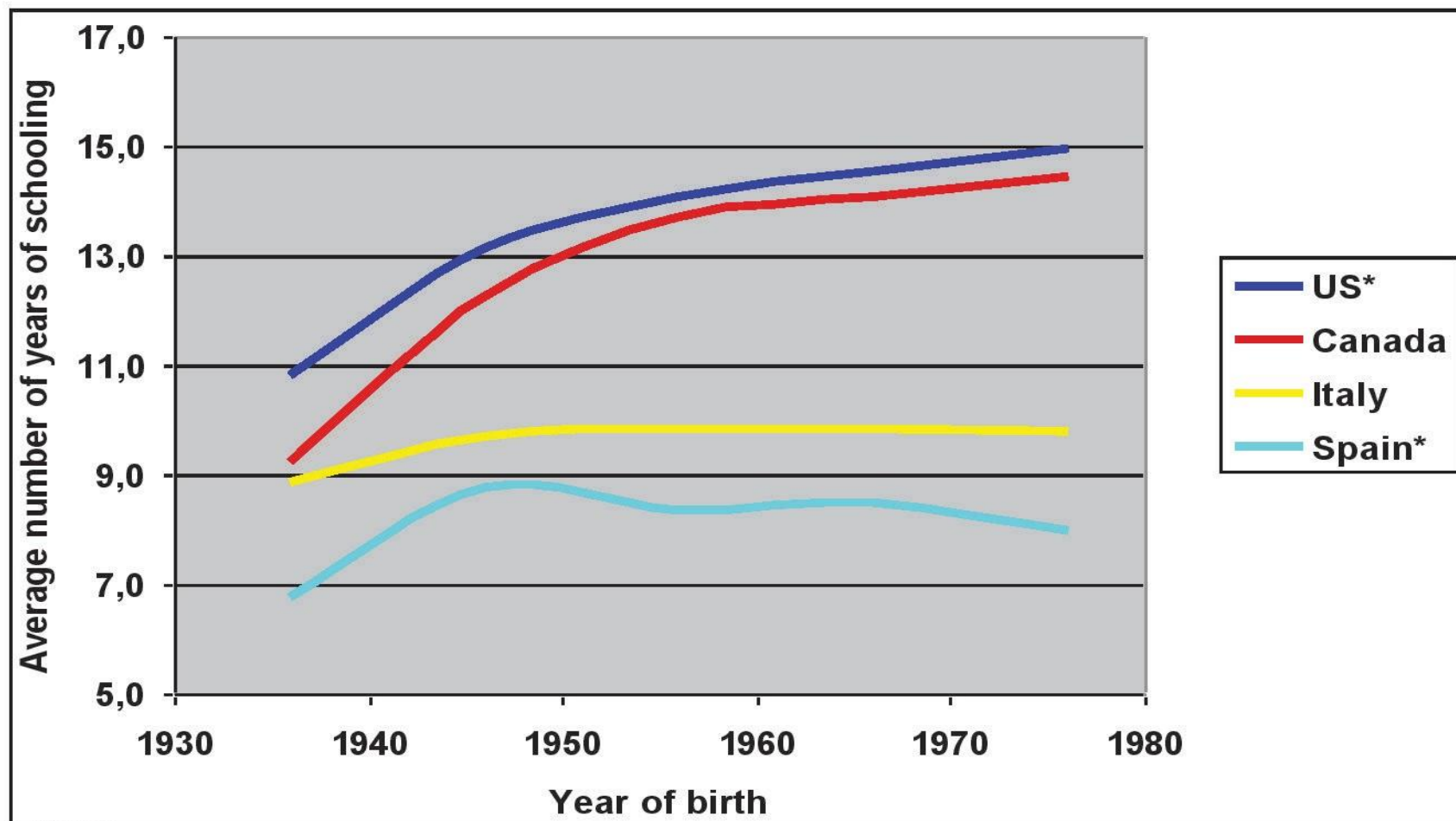## EU age structure of population and of immigrants

Median EU-28 natives: 40.6 y

Median Immigrants: 28.4 y

Solid colour: population

Bordered: immigrants

Source: Eurostat

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The US more easily attracts talent and skills
Immigrants of birth cohorts 1935-1975 in the US, Canada, Italy and Spain by average years of schooling
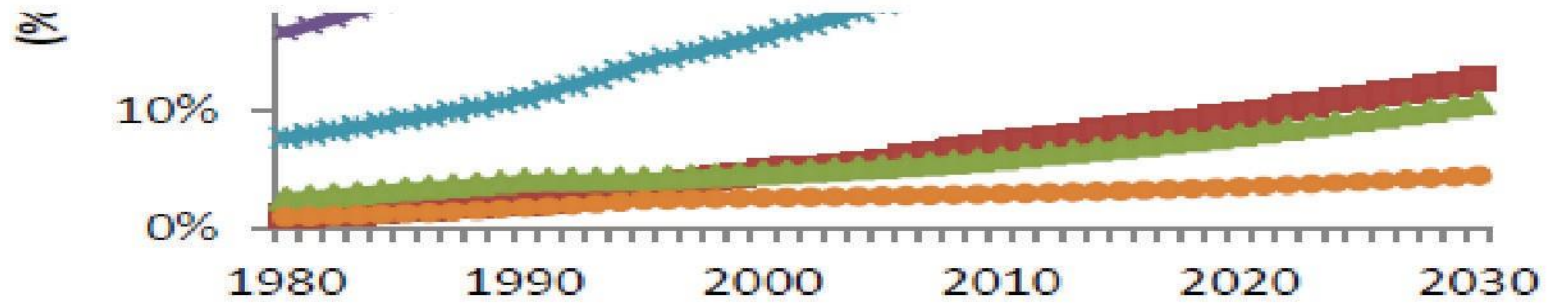

Source: Fargues

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Tomorrow, the developed world will compete for workforce, especially for young and skilled migrants

Can this happen without depleting the talent pool in sending countries?

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Challenge no. 3: Freedom, Protection, Security

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Map of World Conflicts in 2014
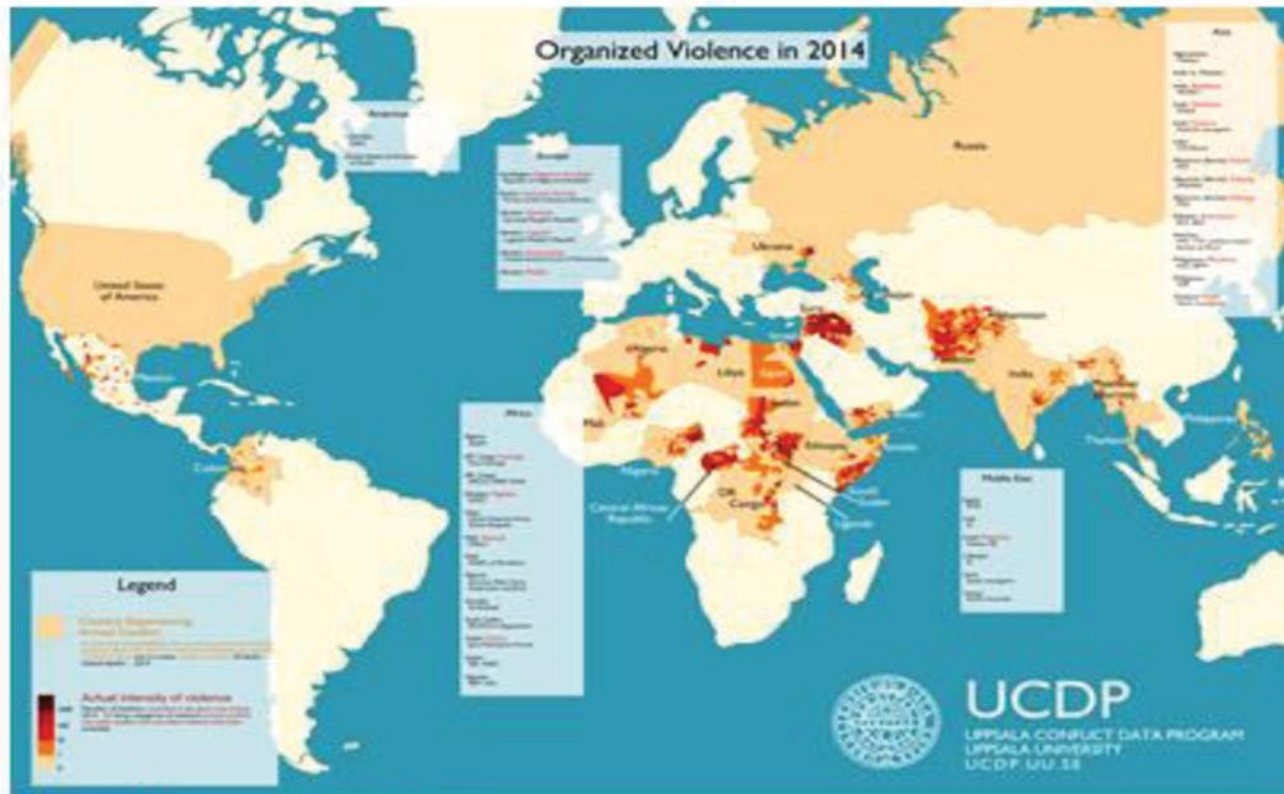
Source: Pettersson and Wallensteen, 2015.

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Internal displacement worldwide

Ref: Internal Displacement Monitoring Centre, 2015

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Changes of IDP figures over the last decade

Sub-Saharan Africa -2%

Middle East and North Africa +355%

Americas +81%

South and South-east Asia -11%

Europe, the Caucasus and Central Asia -30%

in millions — 2003 to 2013

Ref: UNHCR 2014

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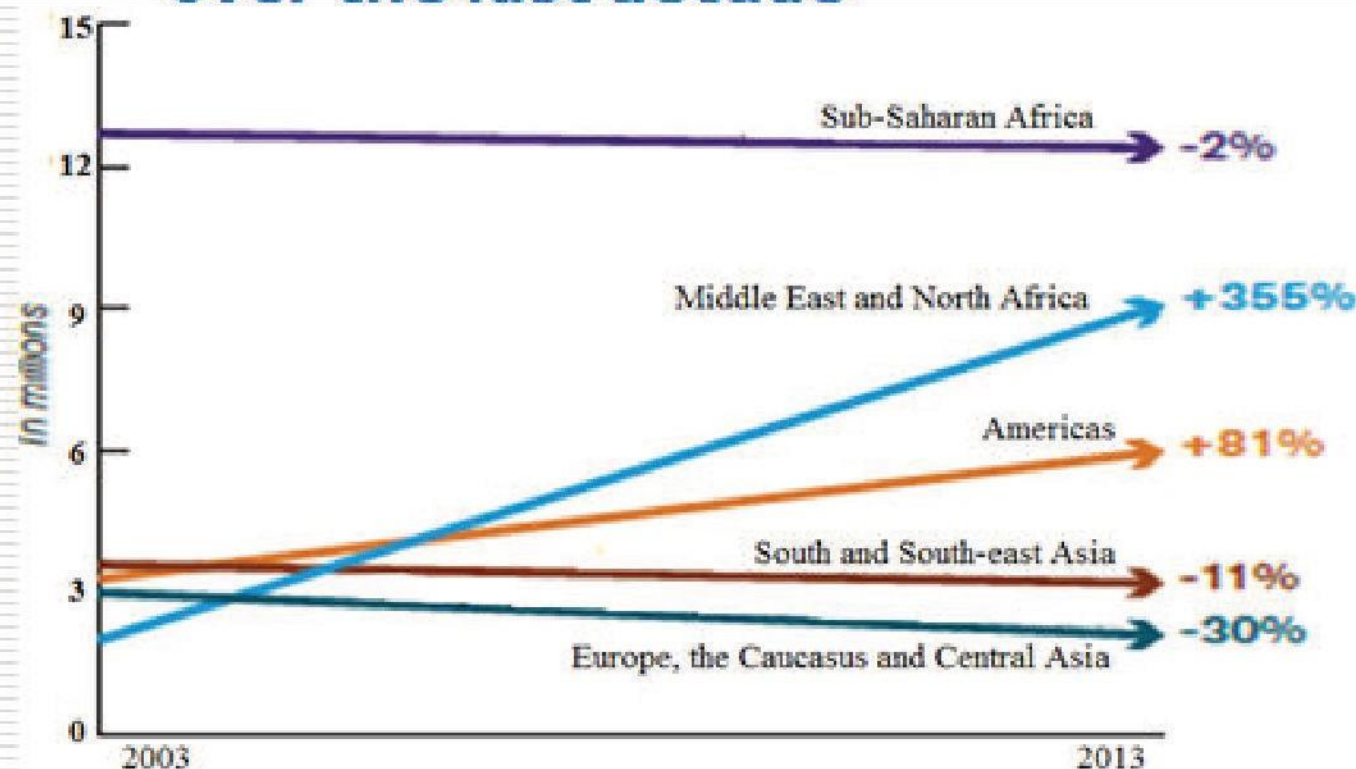
Major refugee-hosting countries, mid-2014

(in millions)   mid-2013   end-2013   mid-2014

Pakistan, Lebanon, Islamic Rep. of Iran, Turkey, Jordan, Ethiopia, Kenya, Chad, Uganda, China
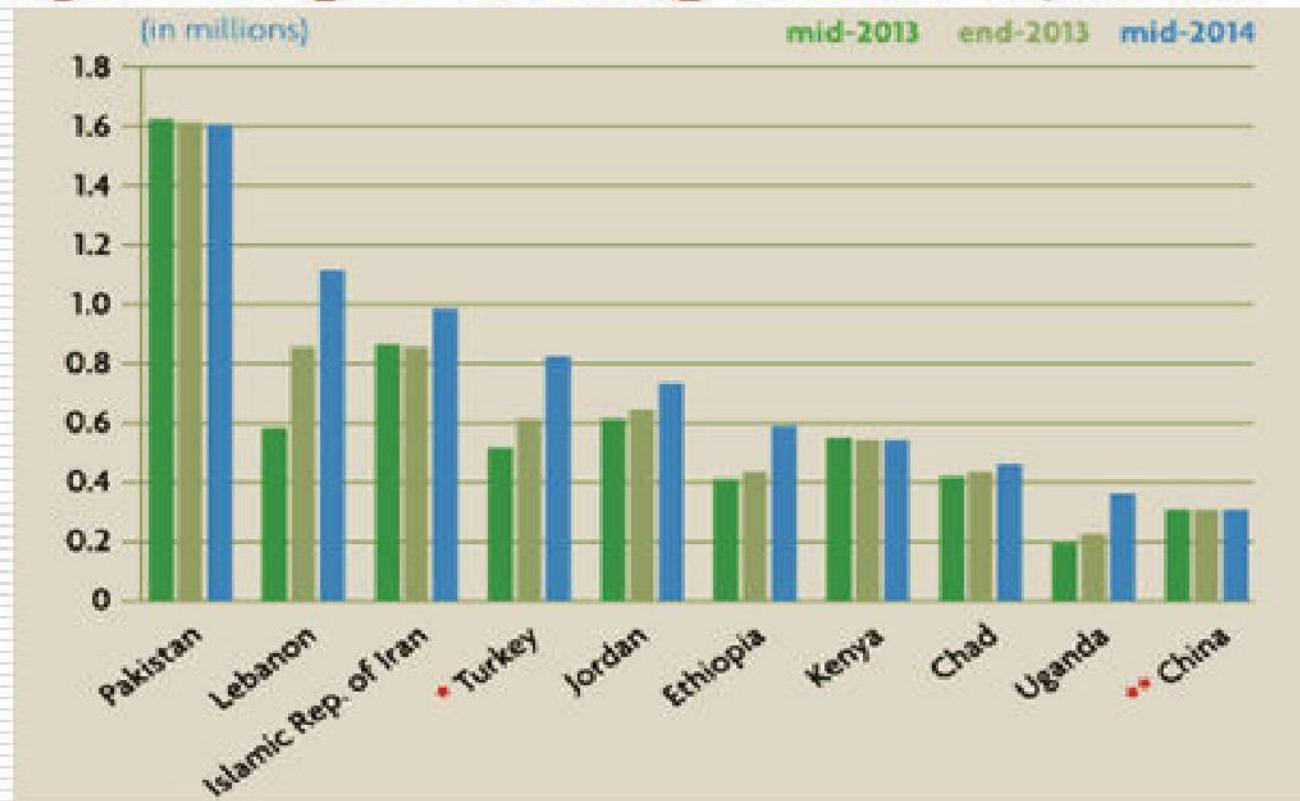
UNHCR (2015). UNHCR Mid-Year Trends 2014. stats@unhcr.org

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Top 10 origins of people applying for asylum in the EU

January - October 2015, first-time applications

Source: Eurostat

BBC

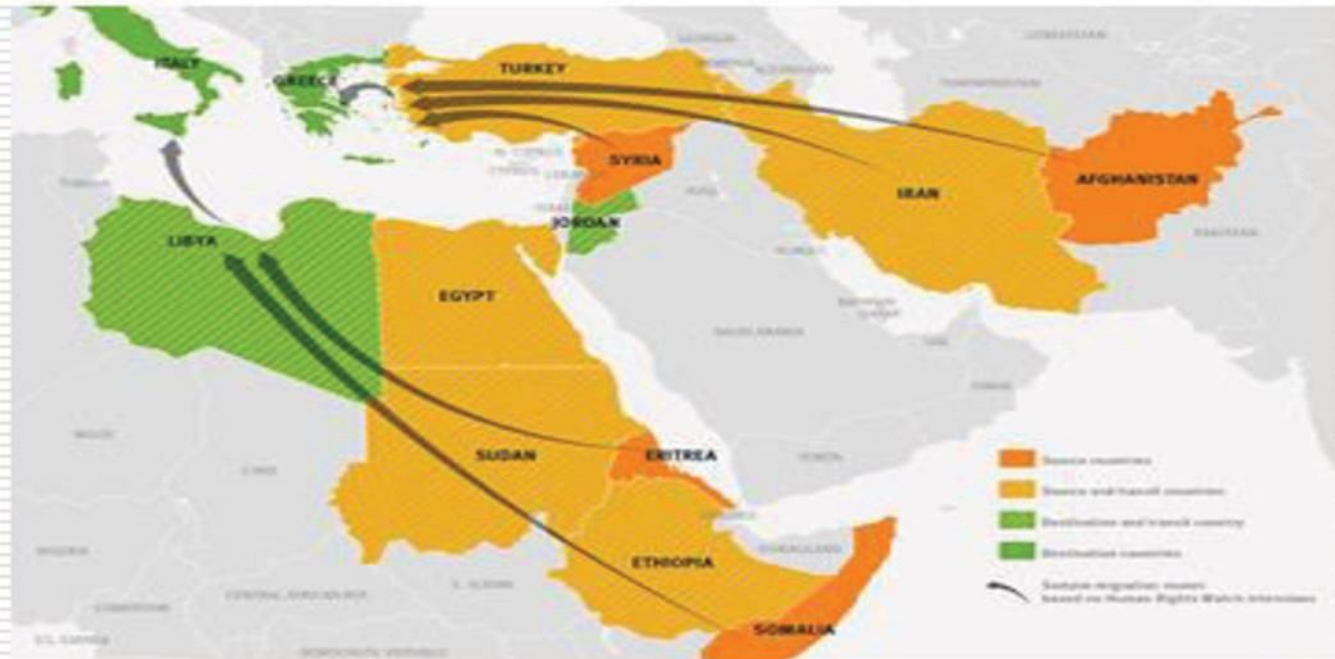**Migration in Europe**

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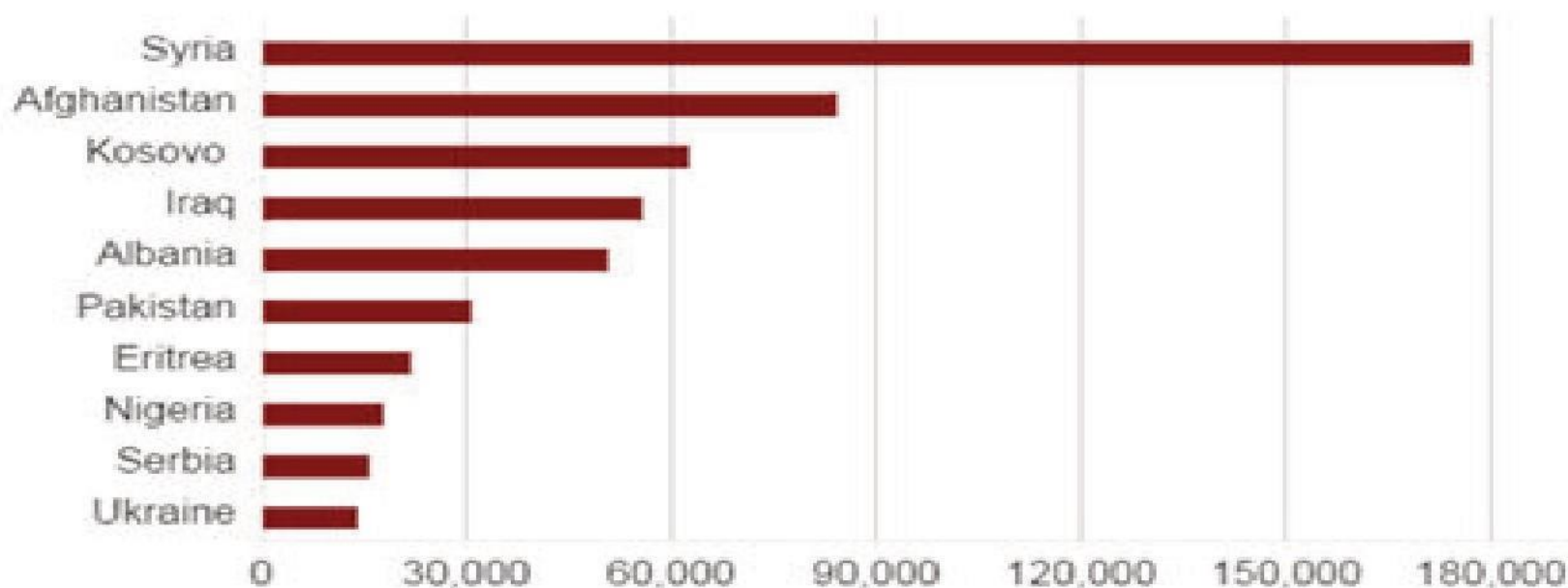
Irregular migration routes to Europe

2015

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There are millions of people in need of protection living on our globe. Many more than the international community is able and willing to accommodate

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L: What do you think about the resettling of refugees from Iraq, Syria, Somalia, Myanmar?

1: My country should take some (more) of them

2: My country has already taken enough of them

3: My country has taken too many of them

4: My country should not take any of them

Anti-immigration sentiment is growing in many countries

The same populist mix can be found in the US

Challenge no. 4:

Make increasingly diverse societies work

Migration in Europe

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How to encourage integration?
Role models?
How to deal with ethnic, cultural and religious diversity?

How to organize pluralistic societies?

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M: What do you think about future migration?

1: My country needs more emigration

2: My country needs less emigration

3: My country needs more immigration

4: My country needs less immigration

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No one has – so far –the right policy mix at hand