

PUBLIC RESEARCH FOR OPEN INNOVATION

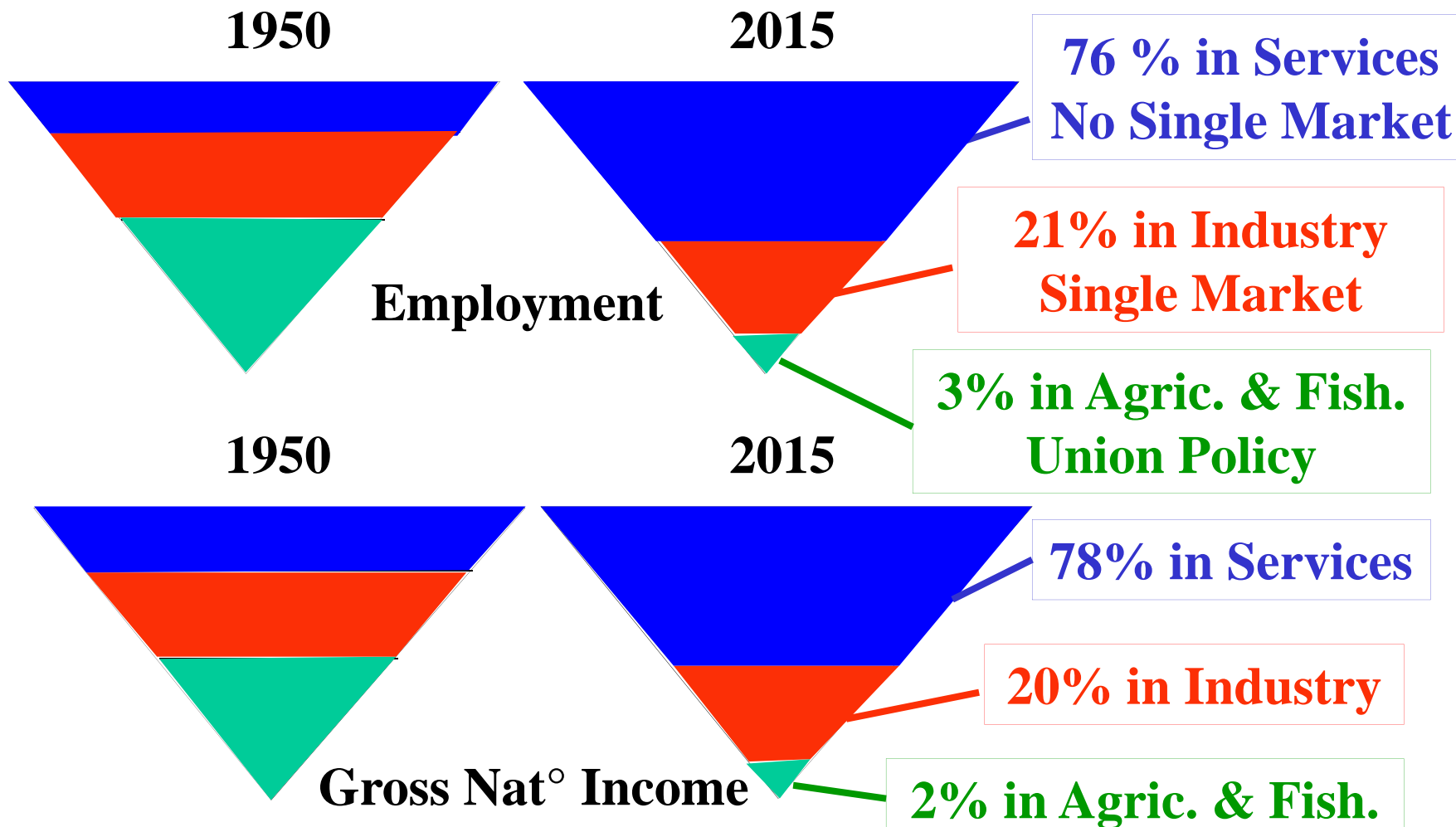
**Public research programmes
for business and academia**

- 1. The Europe 2020 Growth Strategy**
- 2. Horizon 2020 – The programme for Research and Innovation in the EU**
- 3. Open Innovation for investing in industry**

1. The Europe 2020 Growth Strategy

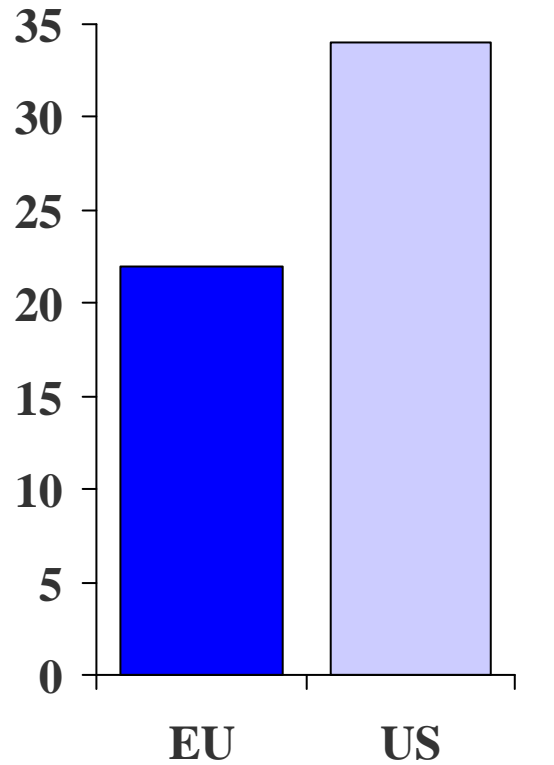
LONG TERM EUROPEAN TRENDS - 1

SERVICES PLAY A GROWING ROLE



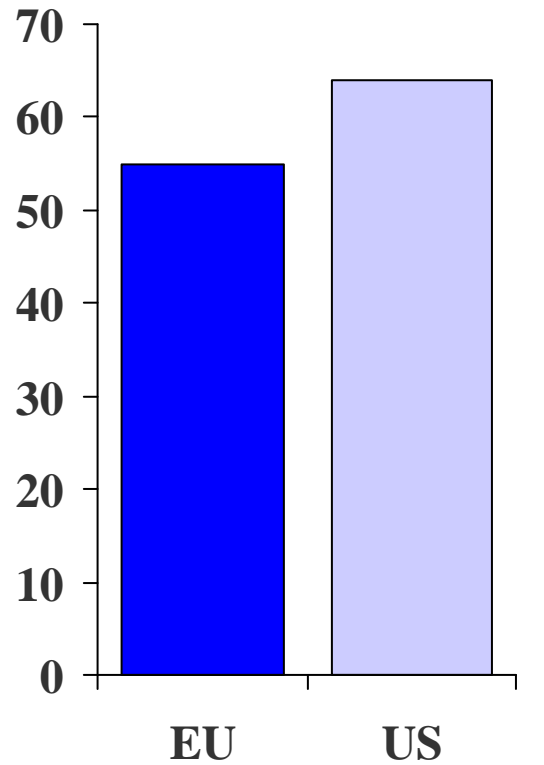
LONG TERM EUROPEAN TRENDS - 2

REAL INCOME & PRODUCTIVITY, *Work vs Leisure*

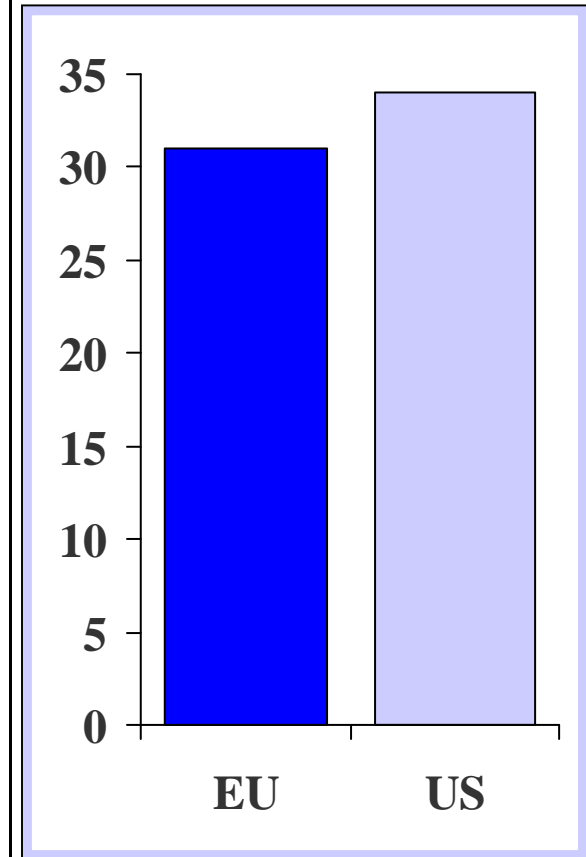


GDP per head of population - 000 €

Source : Eurostat - 2004



GDP per person employed - 000 €

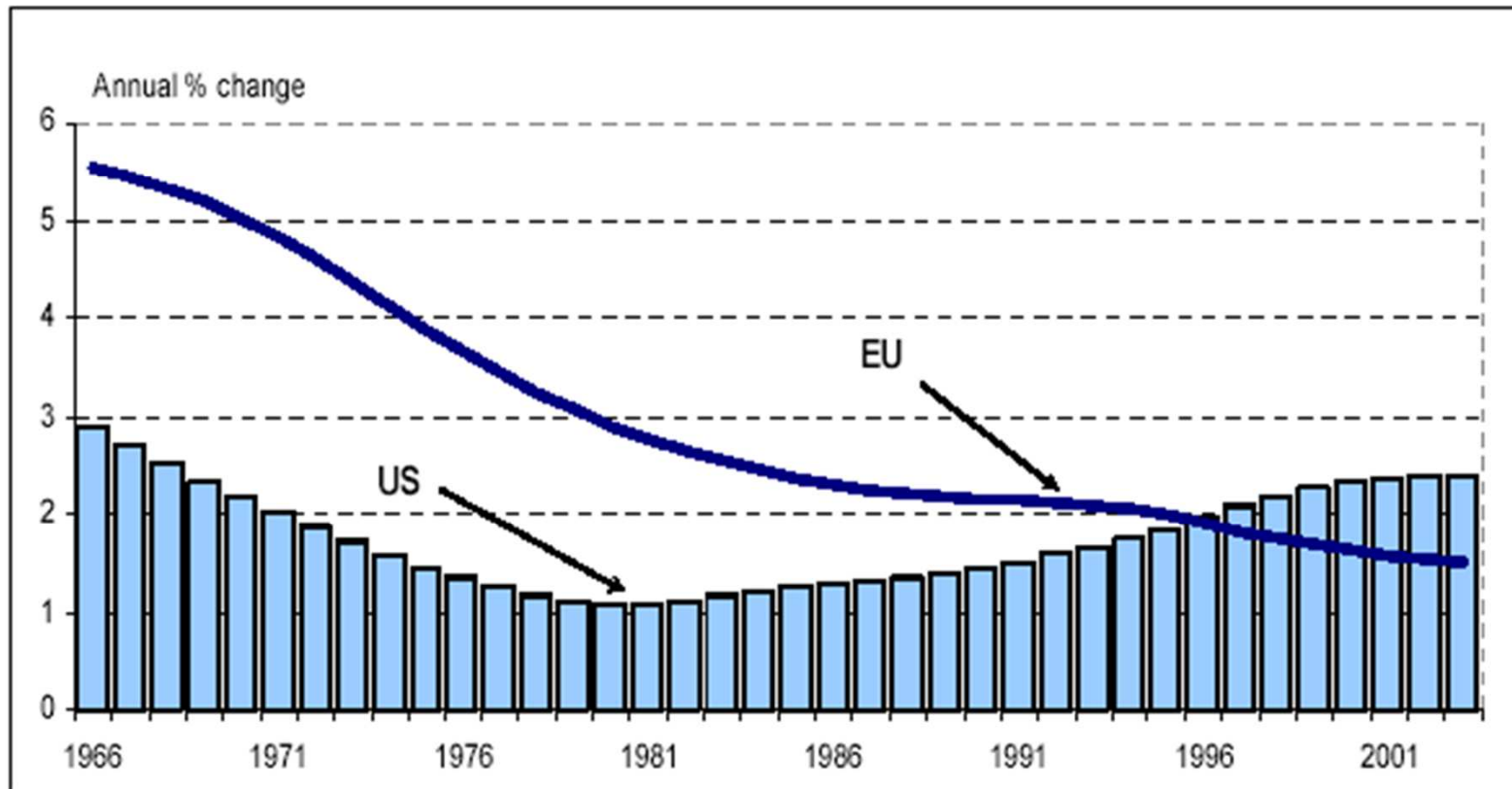


GDP per hour worked - €

LONG TERM EUROPEAN TRENDS - 2

PRODUCTIVITY GROWTH SLOWS DOWN

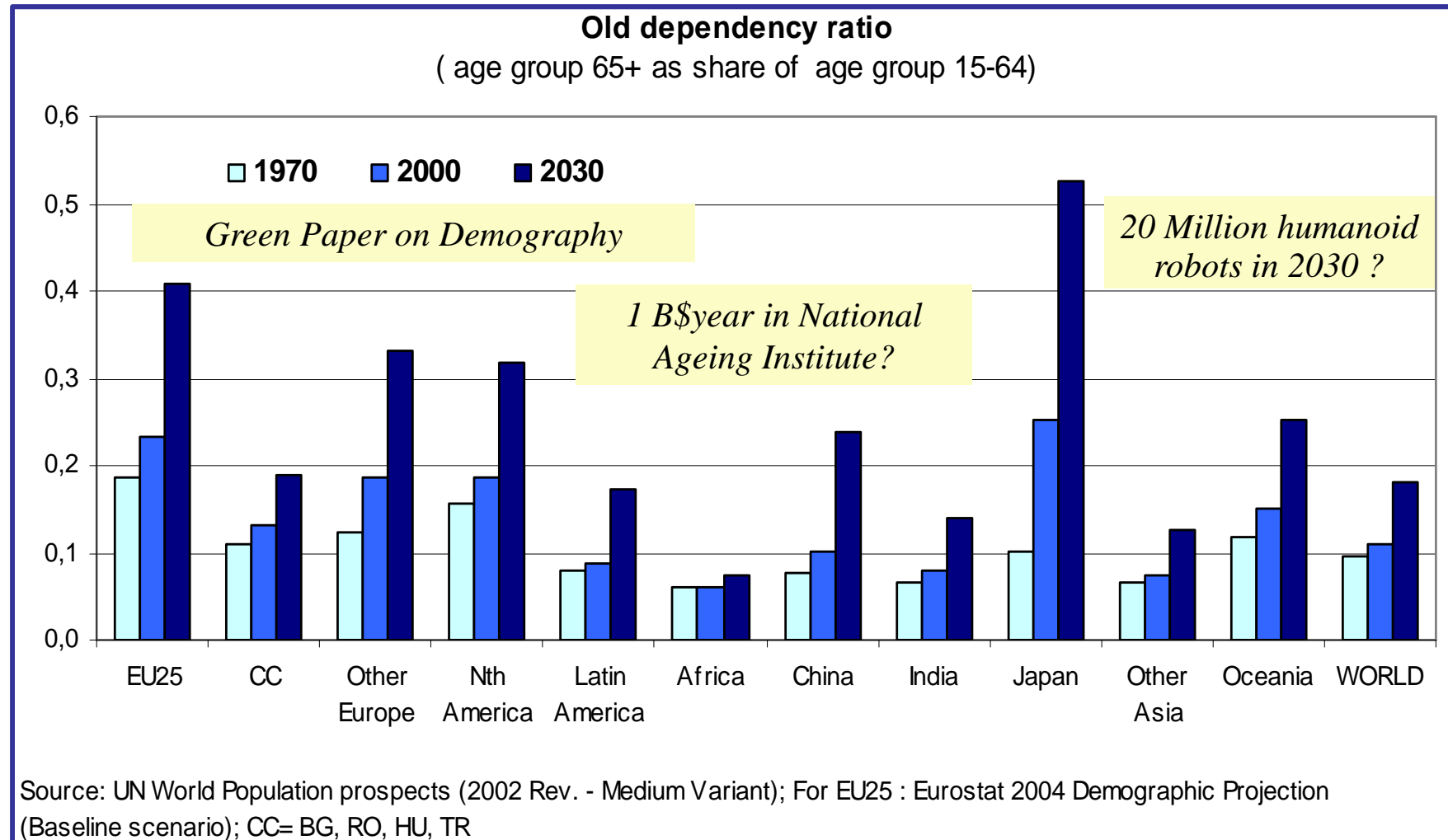
Abb. 2: Wachstum der Arbeitsproduktivität pro Stunde
(gleitender Durchschnitt)



Quelle: EU-Kommission, AMECO-Datenbank

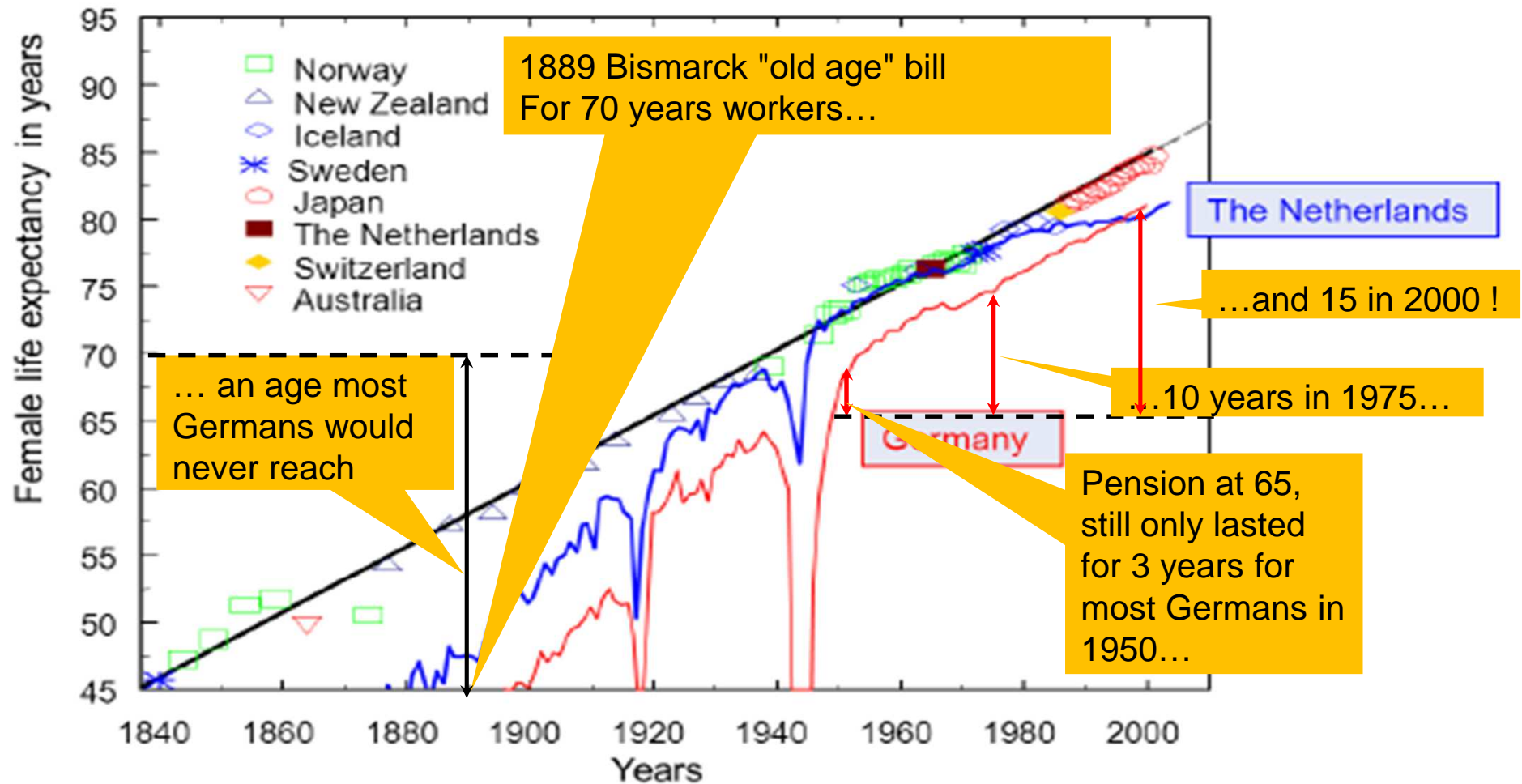
LONG TERM EUROPEAN TRENDS - 3

AN INCREASING OLD AGE DEPENDENCY



LONG TERM EUROPEAN TRENDS - 3

A NEW GENERATIONAL DEAL



Source: Max Planck Institute for Demographic Research Rostock

Uni TRENTO / Crash course on Research funding...



EUROPE 2020

Presentation of J.M. Barroso,
President of the European Commission, to the Informal European Council of 11 February 2010

missie Komisja Europejska
a komisja Evropska
а КОМИСИЯ

REACTING TO THE FINANCIAL CRISIS

1. The crisis has wiped out long-term progress
2. Europe must react to avoid decline
3. Our room for manoeuvre is constrained
4. We must learn the lessons and turn to the future
5. Where do we want Europe in 2020?
6. From exit to lasting recovery
7. Three priorities for sustainable growth and jobs

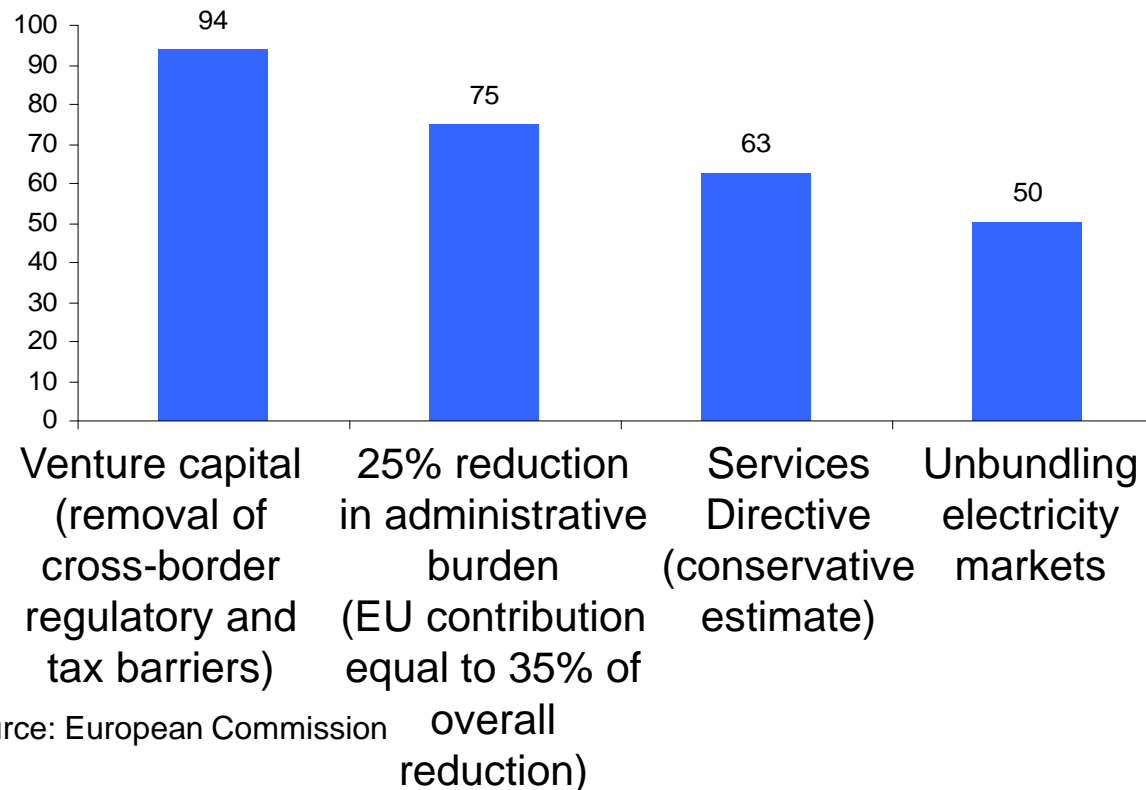
Presentation of J.M. Barroso to the Informal European Council, 11 February 2010

Uni TRENTO / Crash course on Research funding...

Acting together at EU level pays off

12

Medium-term impact (2020) on EU GDP of specific EU-level measures – model simulations.



Source: European Commission

Presentation of J.M. Barroso to the Informal European Council, 11 February 2010

Uni TRENTO / Crash course on Research funding...

Three priorities for sustainable growth and jobs

13

◆ Growth based on knowledge and innovation

- Innovation
- Education
- Digital society

◆ An inclusive high-employment society

- Employment
- Skills
- Fighting poverty

◆ Green growth: a competitive and sustainable economy

- Combating climate change
- Clean and efficient energy
- Competitiveness

Presentation of J.M. Barroso to the Informal European Council, 11 February 2010

Uni TRENTO / Crash course on Research funding...

Growth based on knowledge and innovation

14

INNOVATION	EDUCATION	DIGITAL SOCIETY
<p><u>Key facts</u></p> <ul style="list-style-type: none"> • R&D spending is below 2%, compared to 2.6% in the US and 3.4% in Japan; our smaller share of high-tech firms explains half of the gap with the US • Google spends more on information and communication technologies R&D than the EU FP7 does 	<p><u>Key facts</u></p> <ul style="list-style-type: none"> • Less than 1 person in 3 aged 25-34 has a university degree, compared to 40% in the US and over 50% in Japan • 1 in 7 young people drop out of school, and 1 in 4 have poor reading skills 	<p><u>Key facts</u></p> <ul style="list-style-type: none"> • The world market in information and communication technologies is worth € 660 billion and employs 1/3 of research workforce: EU firms make up only 23% of this • 56% of households have a broadband connection, but many users have doubts about safety and financial transactions on the internet
<p><i>Innovation Union</i> R&D/GDP = 3% (from 2%)</p>	<p><i>Youth on the Move</i> 40% tertiary ed. (from 31%)</p>	<p><i>EU Digital Agenda</i> 2020 Headline indicators</p>

Presentation of J.M. Barroso to the Informal European Council, 11 February 2010

Uni TRENTO / Crash course on Research funding...

EUROPE 2020

An inclusive high-employment society

15

JOBS	SKILLS	FIGHTING POVERTY
<p><u>Key facts</u></p> <ul style="list-style-type: none"> • Despite progress, only 2/3 of our working age population is employed (66%), compared to over 70% in the US and Japan • Only 46% of our older workers (55-64) are employed compared to over 62% in the US and Japan 	<p><u>Key facts</u></p> <ul style="list-style-type: none"> • About 80 million people have low or basic skills, but lifelong learning benefits mostly the more educated • By 2020, 16 million more jobs will require high qualifications, while the demand for low skills will drop by 12 million jobs 	<p><u>Key facts</u></p> <ul style="list-style-type: none"> • 80 million people were at risk of poverty in the EU prior to the crisis; 19 million are children; unemployed are particularly exposed • 8% of people in work don't earn enough to make it above the poverty threshold

An EU agenda for new skills and jobs

EU Anti-poverty platform

**Empl. Rate = 75%
(from 69%)**

**Early School leavers
10% (from 15%)**

**Lift 20 million
out of poverty**

Presentation of J.M. Barroso to the Informal European Council, 11 February 2010

Uni TRENTO / Crash course on Research funding...



Green growth: a sustainable and competitive economy

E-Bay, E-tickets, You Tube, Customer evolution, Pyramid power...

COMBATING CLIMATE CHANGE	ENERGY	COMPETITIVENESS
<p>Key facts</p> <ul style="list-style-type: none"> • Achieving our goals means reducing emissions by twice as quickly in the next decade than in the last decade • Jobs in the eco-industry have increased by 7% every year since 2000; meeting our renewable target would mean 2.8 million jobs in the sector 	<p>Key facts</p> <ul style="list-style-type: none"> • Meeting our goals will result in € 60 billion less in oil and gas imports by 2020 • Further progress with the internal market for energy can add 0.6% to 0.8% GDP 	<p>Key facts</p> <ul style="list-style-type: none"> • The market for green technologies is forecast to triple by 2030 / Improving resource efficiency by 20% would increase EU growth by around 1 per cent

Quality not quantity

A Resource efficient Europe (20 / 20 / 20 plan)

- Reduce green gas by 20% ('90)
- Increase renewable energy by 20%
- Reduce energy waste by 20%

An Industrial Policy for the Globalisation Era

1 February 2010
 ch funding...