#### The ageing of Europe

#### View from An Elderly Heart



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#### Presentation Outline

- Demographic factors
- Budgetary challenges
- Labour Markets
- Economic growth
- Financial markets

Always with a focus on the new member states (NEW EU-10)

### Ageing Europe Population growth by age group



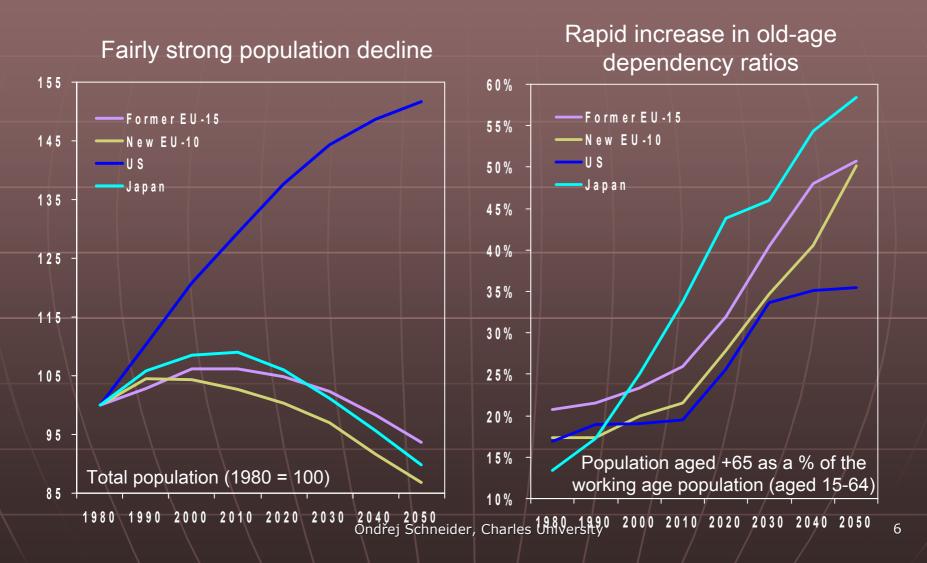
## The speed of ageing in Europe, US and Japan



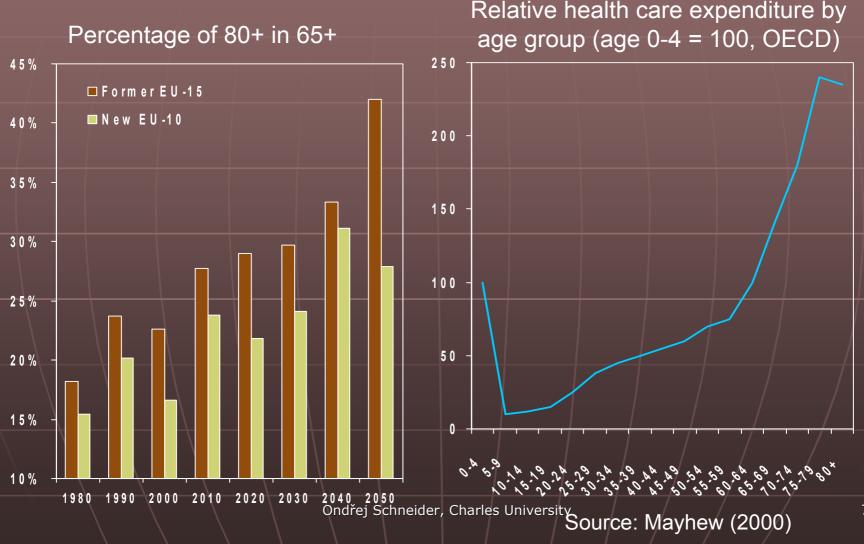
# Ageing Europe Lack of children, increasing life expectancy Entility rate Ageing Europe Life Europe Life expectancy Life expectancy

8 5 Number of live born children Life expectancy at birth 3,5 per woman (in years) ■ Former EU -15 80 ■ Former EU-15 3 ■ New members (\*) U S U S 2,5 7 5 70 1,5 65 0,5 1970-75 1995-00 2020-25 1970-75 1995-00 2020-25 2045-50 1950-55 2045-50 1950-55

### Ageing Europe Population and dependency

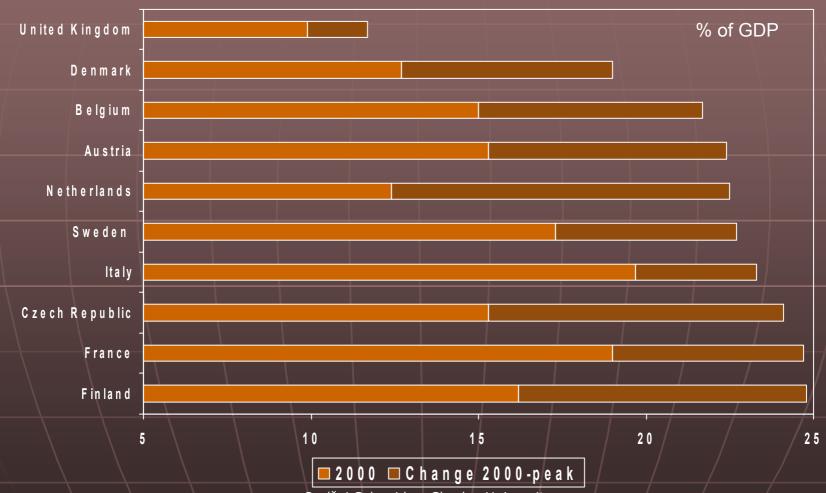


### Ageing Europe The elderly group expands



### Budgetary challenges Higher age-related public spending

Old-age pension, health care and long-term care spending (\*)

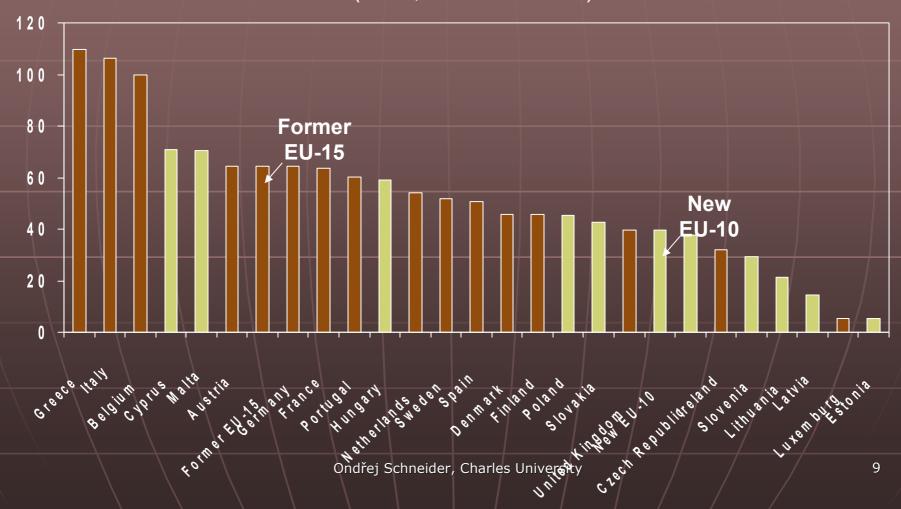


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Source: OECD (2001); (\*) Long-term care includes home care and institutional care other than hospitalisation

### Budgetary challenges Debt level

Gross debt general government (2003, as a % of GDP)



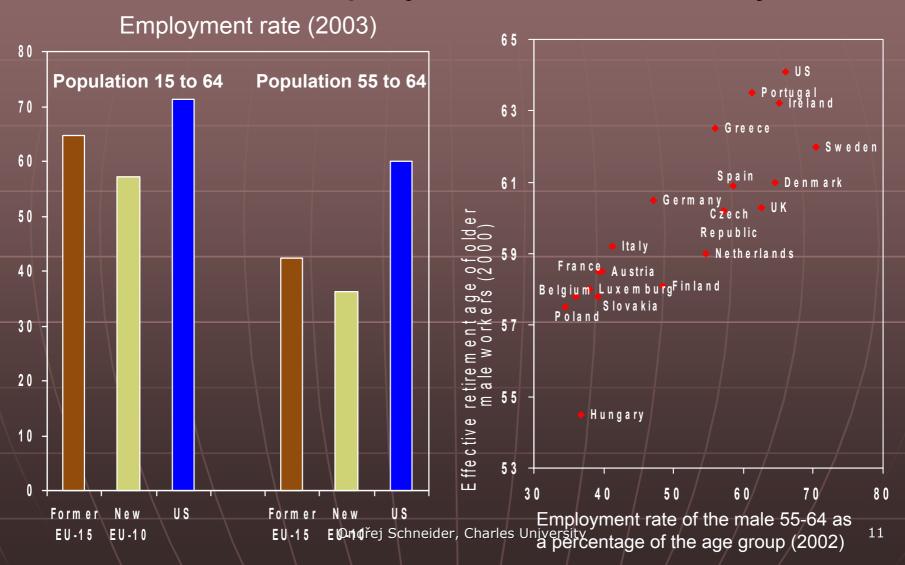
### Labour Markets Shrinking and greying labour force



The greying of the labour force

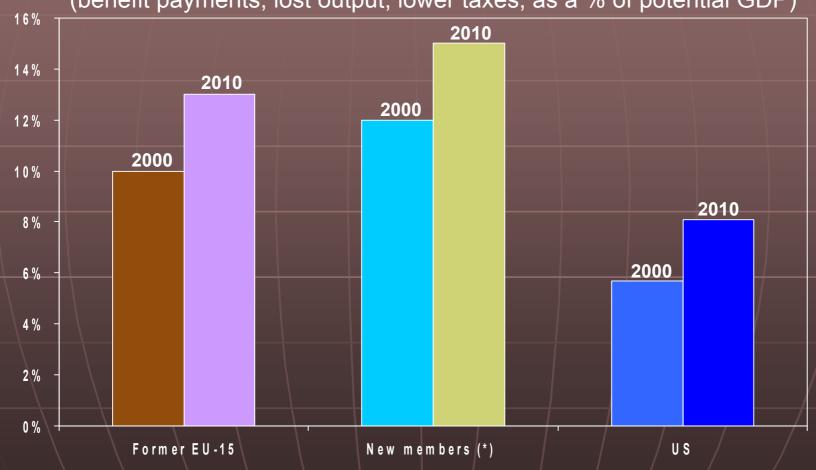


### Labour Markets Low employment of the elderly



### Labour Markets The early retirement burden

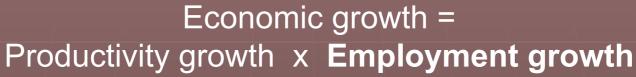
Cost of early retirement (benefit payments, lost output, lower taxes, as a % of potential GDP)

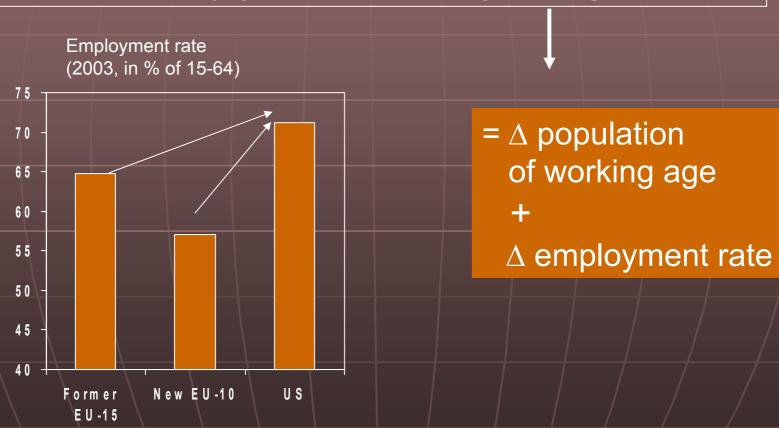


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(\*) Czech Republic, Poland and Hungary Source: Herbertsson and Orszag (2003)

#### Economic growth





### Economic growth Employment

Economic growth = Productivity growth x **Employment growth** 

Impact on empl. Growth	EU-25	Former EU-15	New EU-10	US
Working age population (in 2003-2030)	-12.7	-13.0	-11.4	+11.3
Employment rate (towards Lisbon 70%- target)	+10.8	+8.0	+22.6	-/

#### Economic growth

**Productivity** 

Economic growth = **Productivity growth** x Employment growth

Technological progress & innovation

New EU-10: high potential due to the closing of the technology gap



### Economic growth Lower potential due to ageing

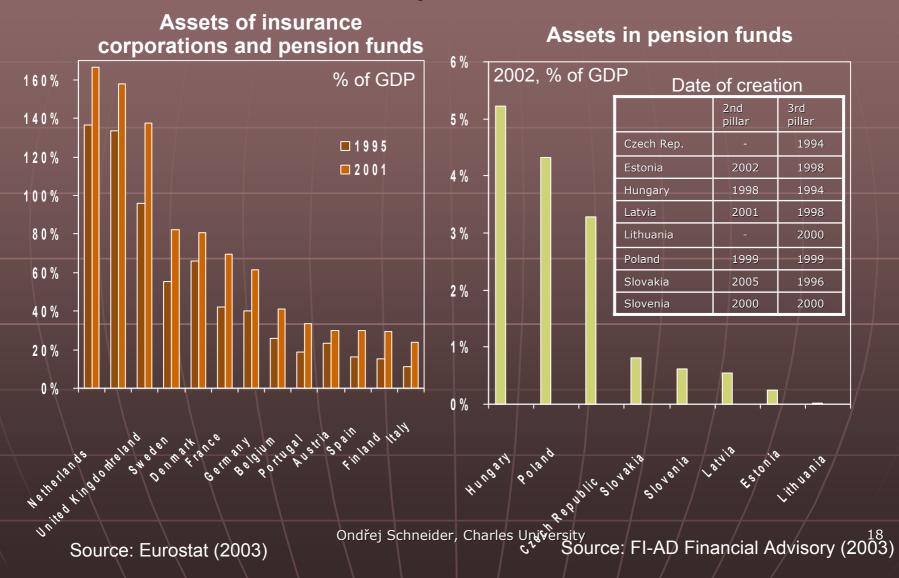
Real GDP growth, in % (period averages)	1991- 1995	1996- 2000	2000- 2010	2010- 2020
Former EU-15	1.5	2.6	2.0 – 2.5	1.5 - 2.0
New members (Central-Europe)	-0.4	3.3	3.5 – 4.0	3.0 - 3.5
US	2.4	4.1	3.0 – 3.5	2.5 - 3.0

Sources: EC, OECD, UN

### Ageing and financial markets Pension landscape: 'first pillar'-benefit levels



### Ageing and financial markets Pension landscape: funded schemes



### Ageing and financial markets Savings may fall

- Demographic changes shift the balance between savers and dissavers
- As the 'baby boom'-generation moved into the second half of its working life, pension fund growth created high demand for equities in 1980s and 1990s

### Ageing and financial markets The Life Cycle Hypothesis

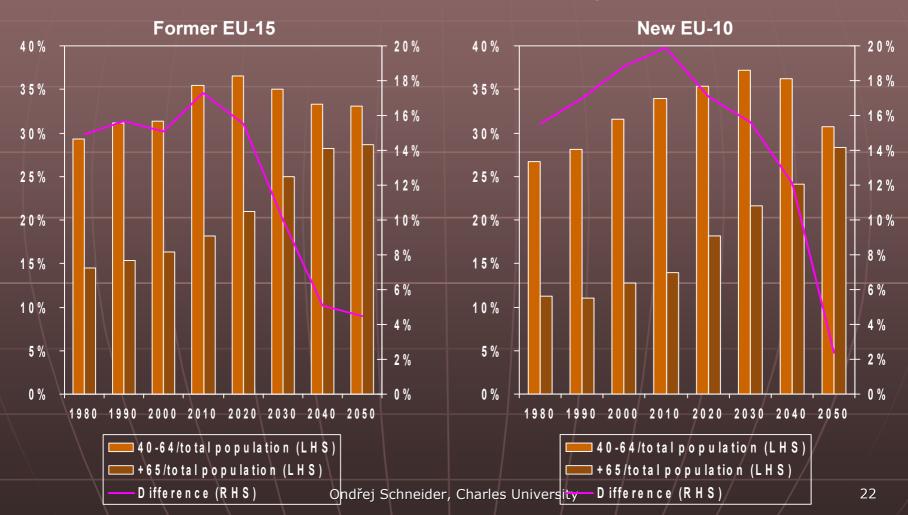


### Ageing and financial markets Savings may fall

- We know little about savings motivation, but:
  - The savers-dissavers ratio (population aged 40-64 / population aged +65) will start falling after 2010 – FALL IN SAVINGS
  - The baby boomers will liquidate their assets to finance their retirement - FALL IN SAVINGS
  - Perhaps more saving by the 40-64 due to higher life expectancy and less generous PAYG-pension schemes – INCREASE IN SAVINGS

### Ageing and financial markets Savers' disappearance

Savers (40-64) and dissavers (+65) as a percentage of total population



#### Ageing Europe After Enlargement

- New EU-10 do not significantly change the age structure
- In some aspects, the ageing is more dynamic in the New EU-10
- Labour markets in the New EU-10 cater less for older workers, more to be done to increase flexibility and cut costs

#### Ageing Europe After Enlargement

- The New EU-10 have lower debt and thus more room to maneuvre (is it necessarily good?)
- Economic growth: bigger potential in the New EU-10, but also larger challenges and vulnerability
- Financial sector is less prepared for aged society's needs in New EU-10