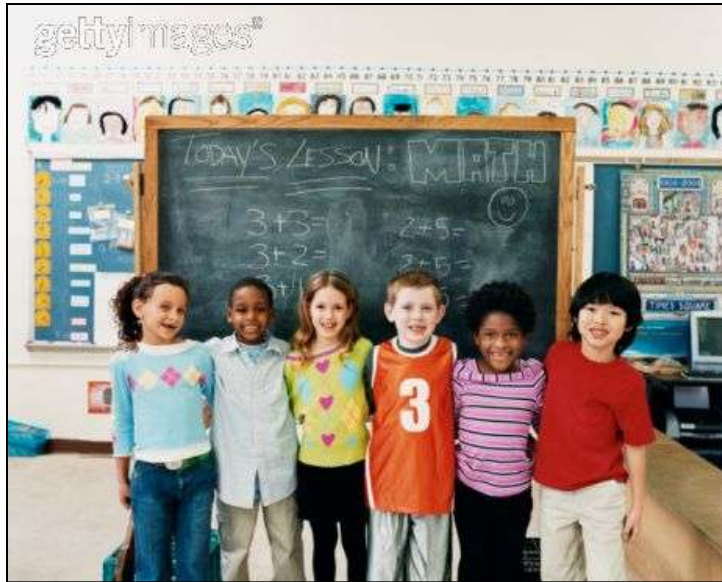




Future Challenges for the European Education Systems

Stanislav Ranguelov, Ph.D.
Eurydice and Policy support unit
EACEA

7th of June 2012



**Education for whom?
How many participate in
education?
What kind of education?
How much education cost?
Who are our teachers?**

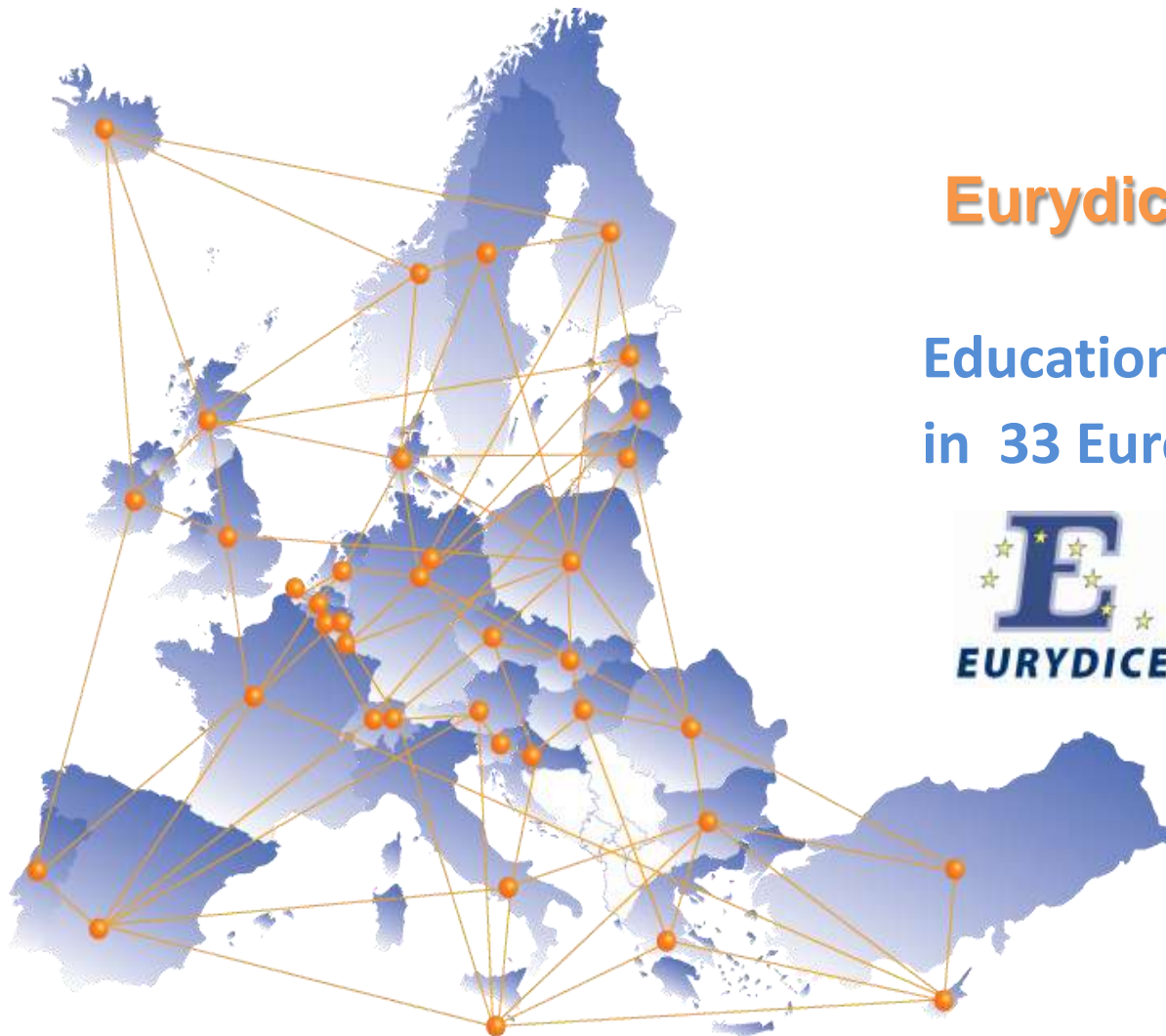
**Education for Employment
or
Employment for Education?**

Key Data on Education 2012 is tracing the main developments of European education systems over the last decade.



The report presents **95 qualitative and quantitative indicators:**

- Demographic trends;
- Participation in education;
- Financial resources;
- Teachers;
- Teaching processes;
- Qualifications awarded;
- Transition to employment.



Eurydice Network

Education systems and policies
in 33 European countries

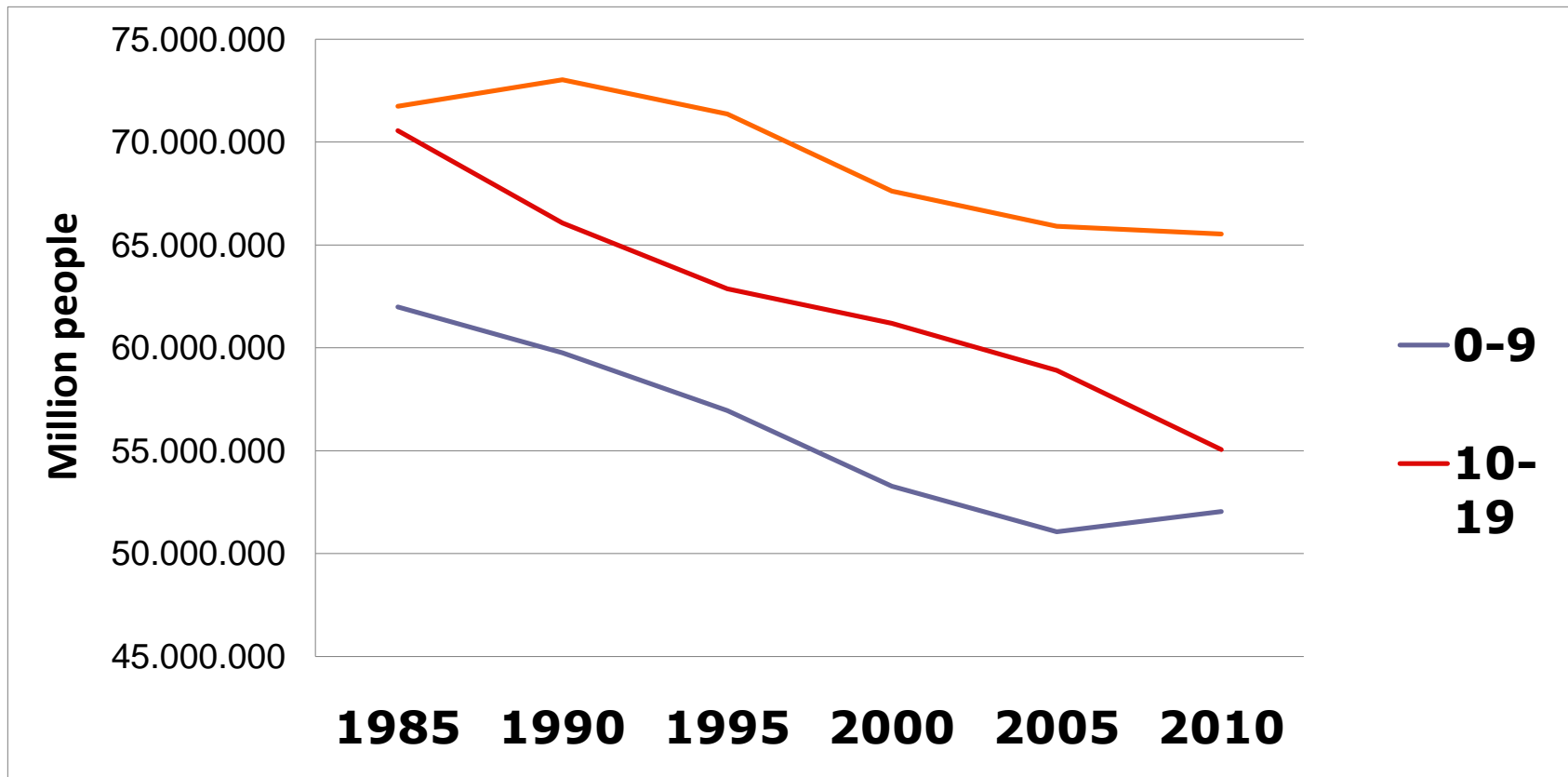


**Understanding
Education in
Europe**

Education for whom?

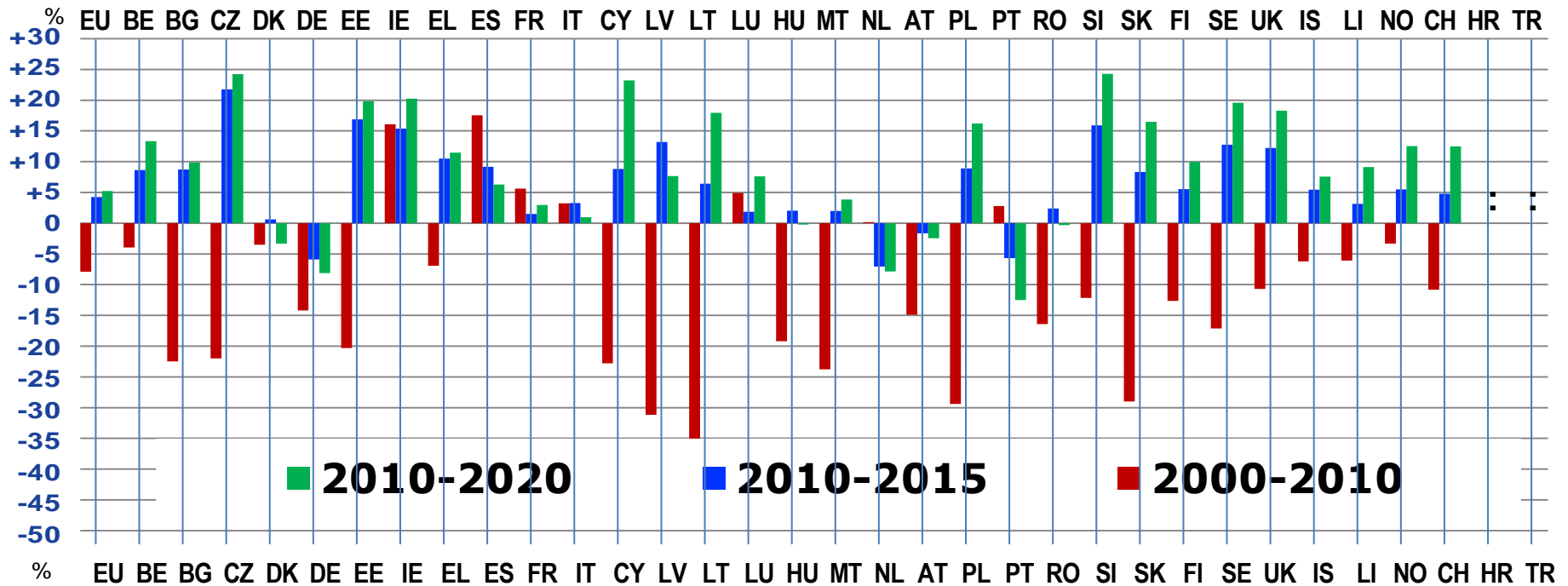


Population variation in the 0-9, 10-19 and 20-29 age groups in the EU-27, 1985-2010



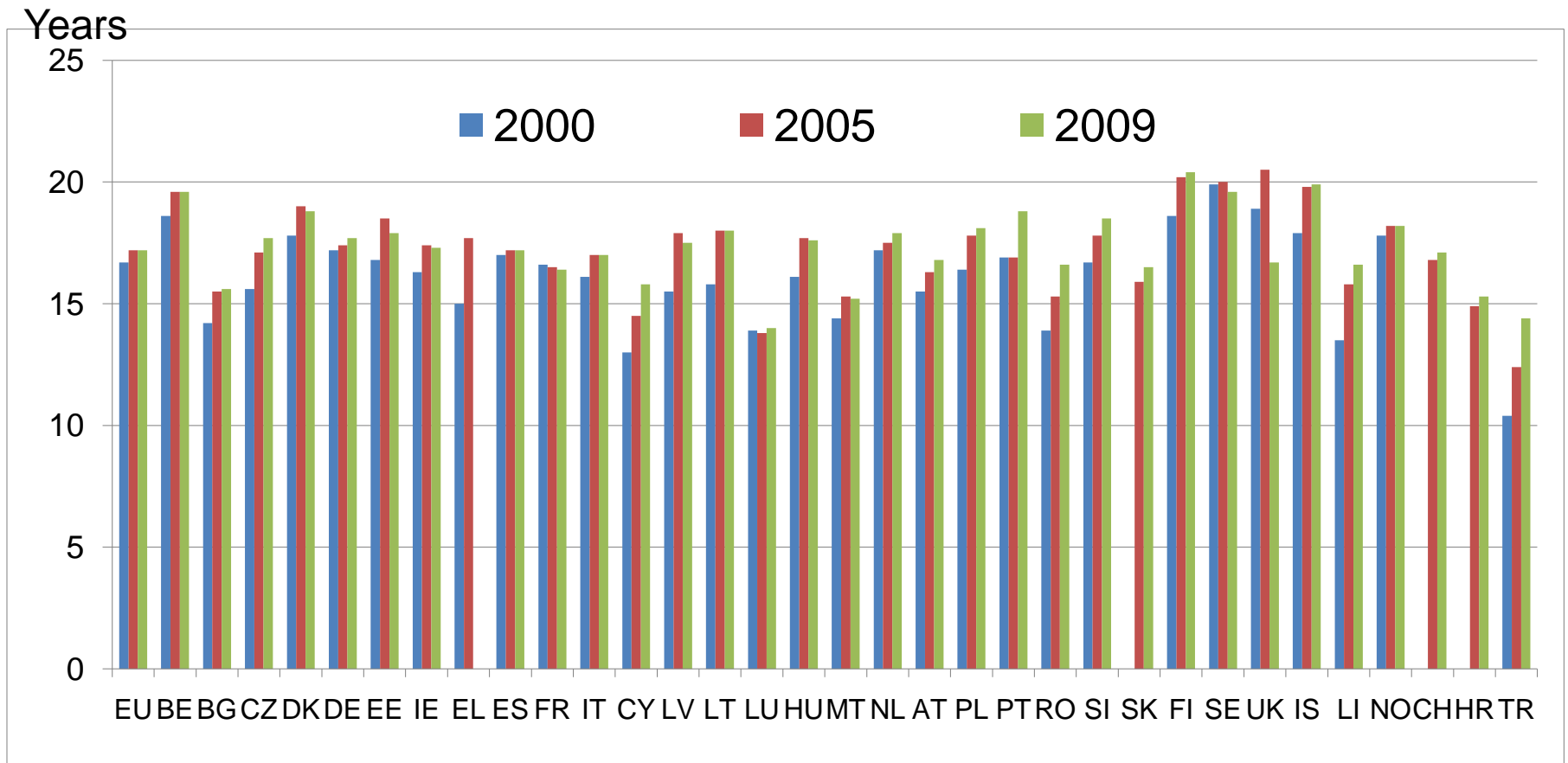
Source: Eurostat, Population statistics

Recent population changes and projections for the 5-9 age group, 2000 to 2020



Source: Eurostat, Population Statistics

Expected duration of education for 5-year-olds (ISCED 0 to 6), 2000 – 2009

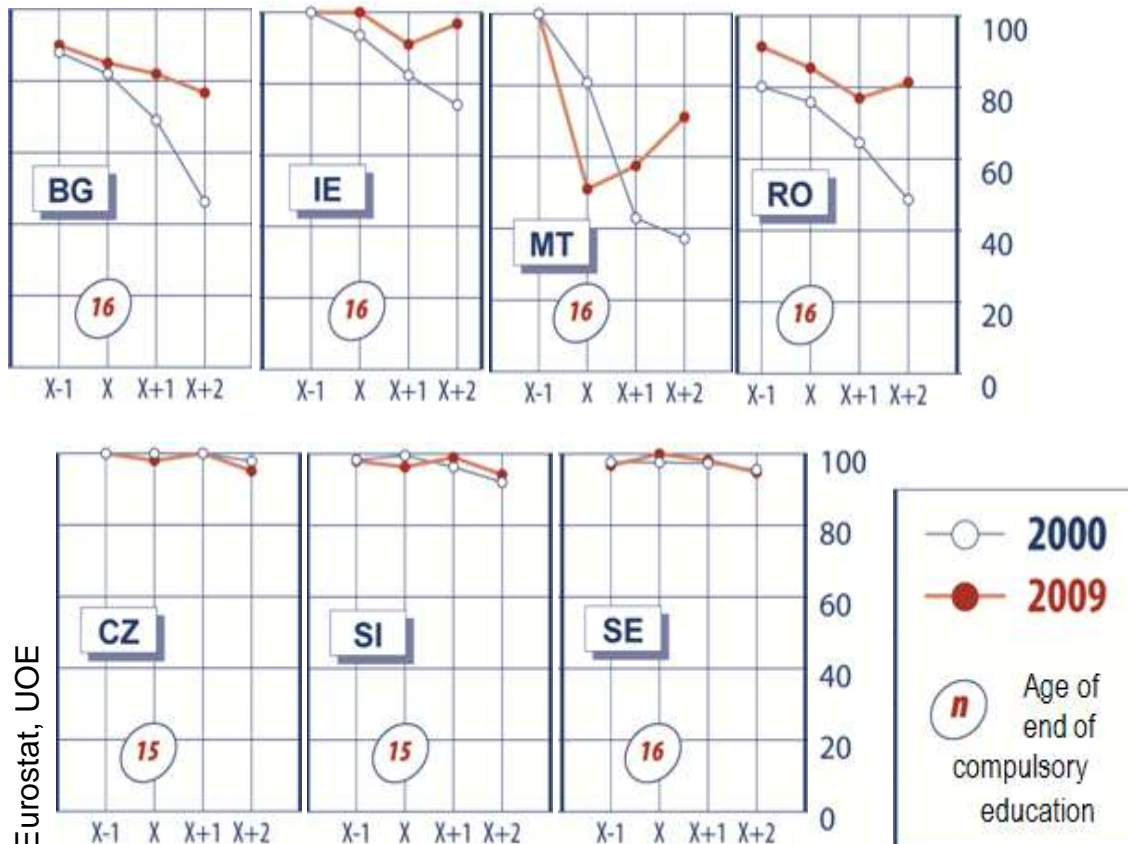


Source: Eurostat, UOE

Participation in education



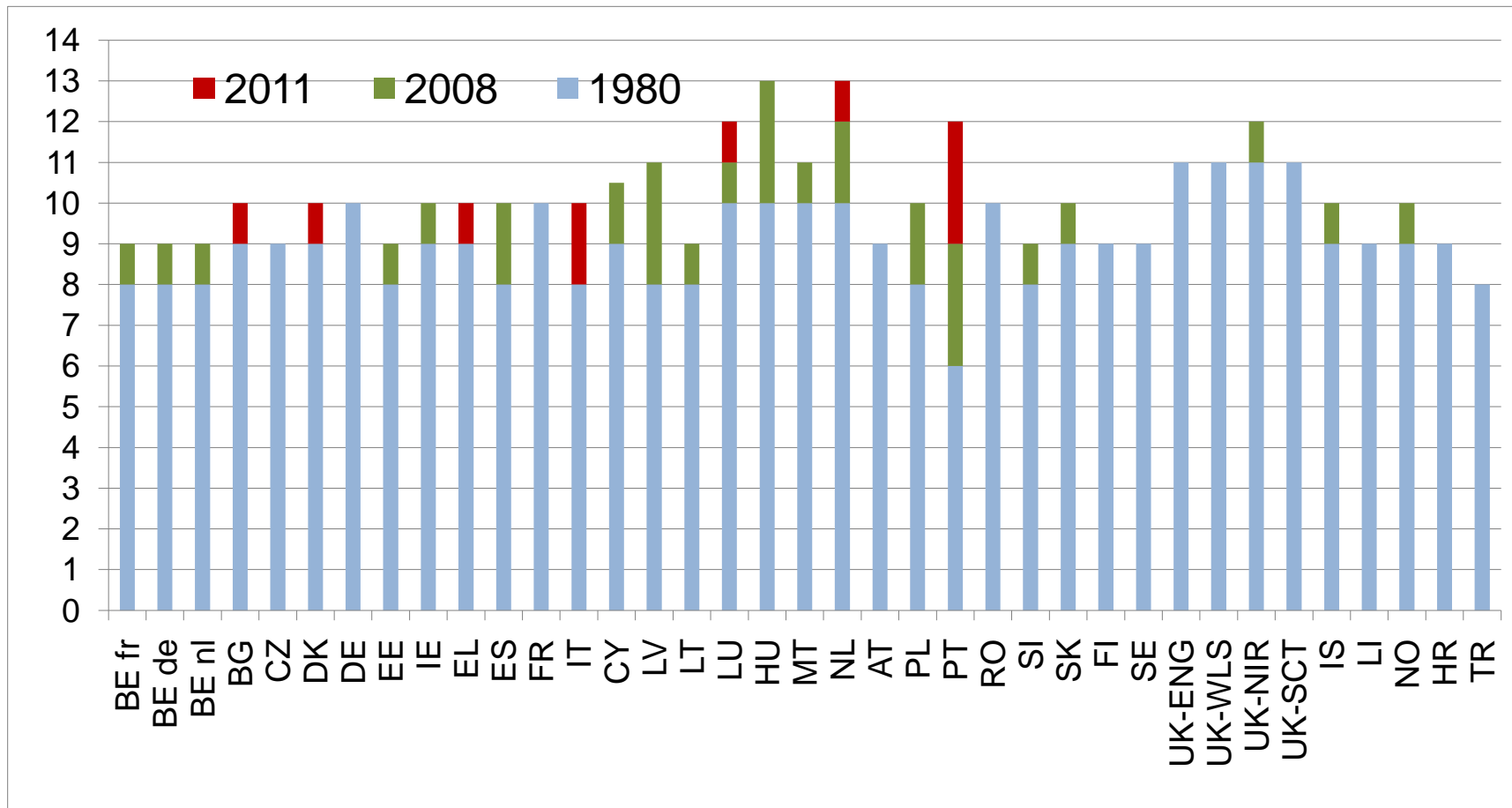
Trends of the participation rates, following full-time compulsory education, 2000-2009



- In 2009, almost 90% of 17-year-old Europeans were still in education.

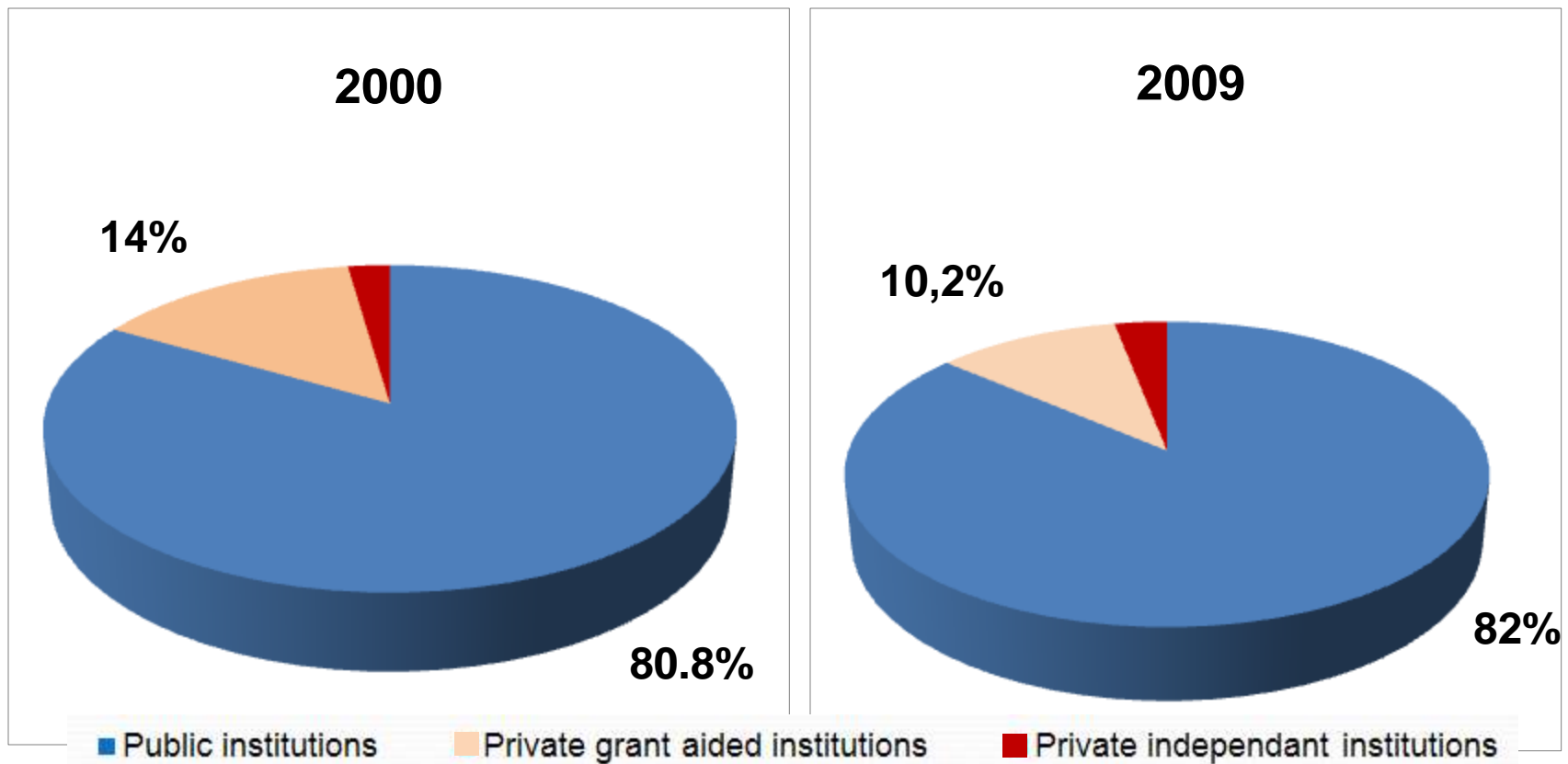
- Post-compulsory participation rates in education have improved during the last ten years.

Duration of the full-time compulsory education in Europe, 1980-2011

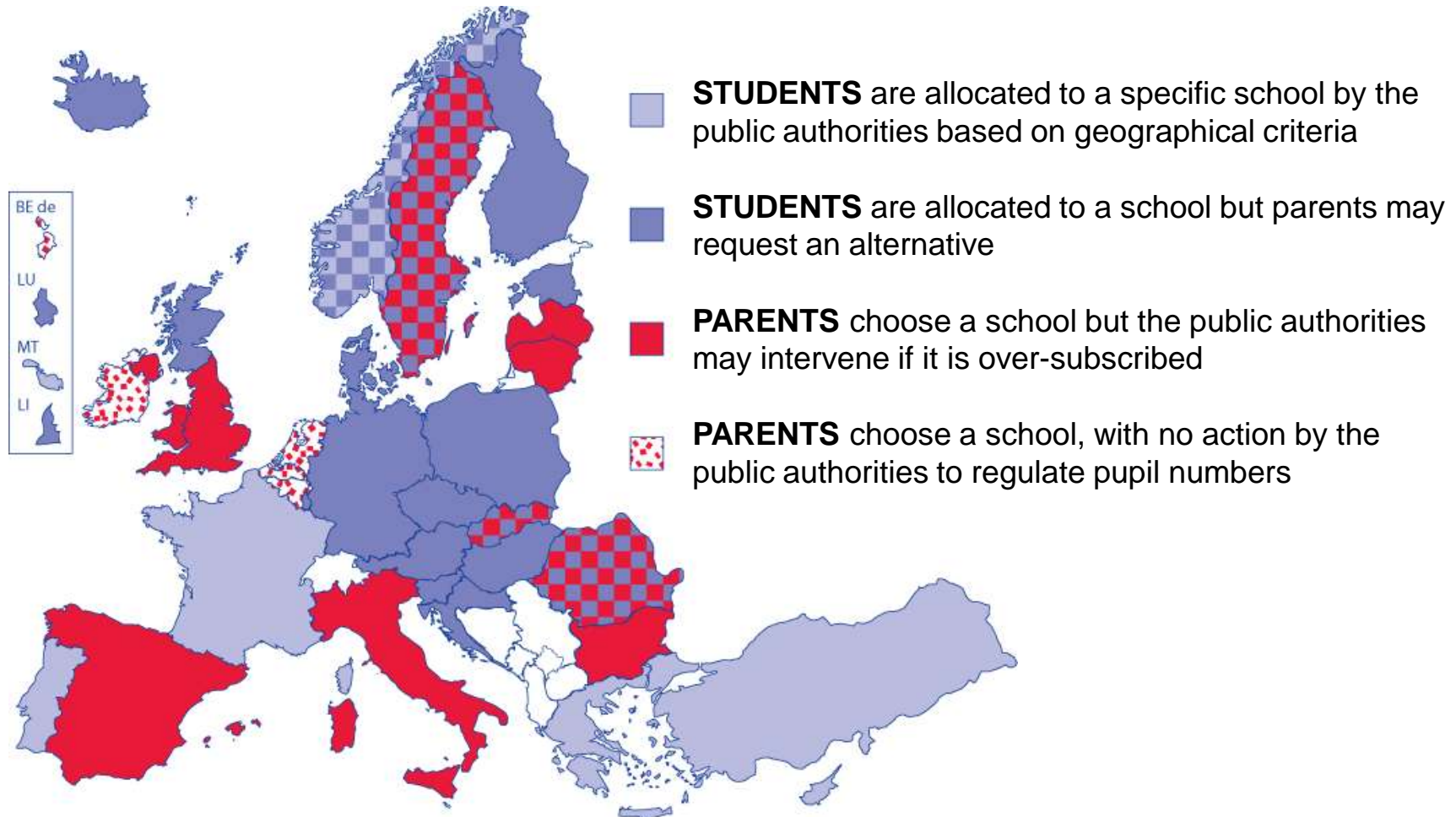


Source: Eurydice

Students in public, private grant-aided and private independent primary and secondary schools (ISCED 1-3), 2009

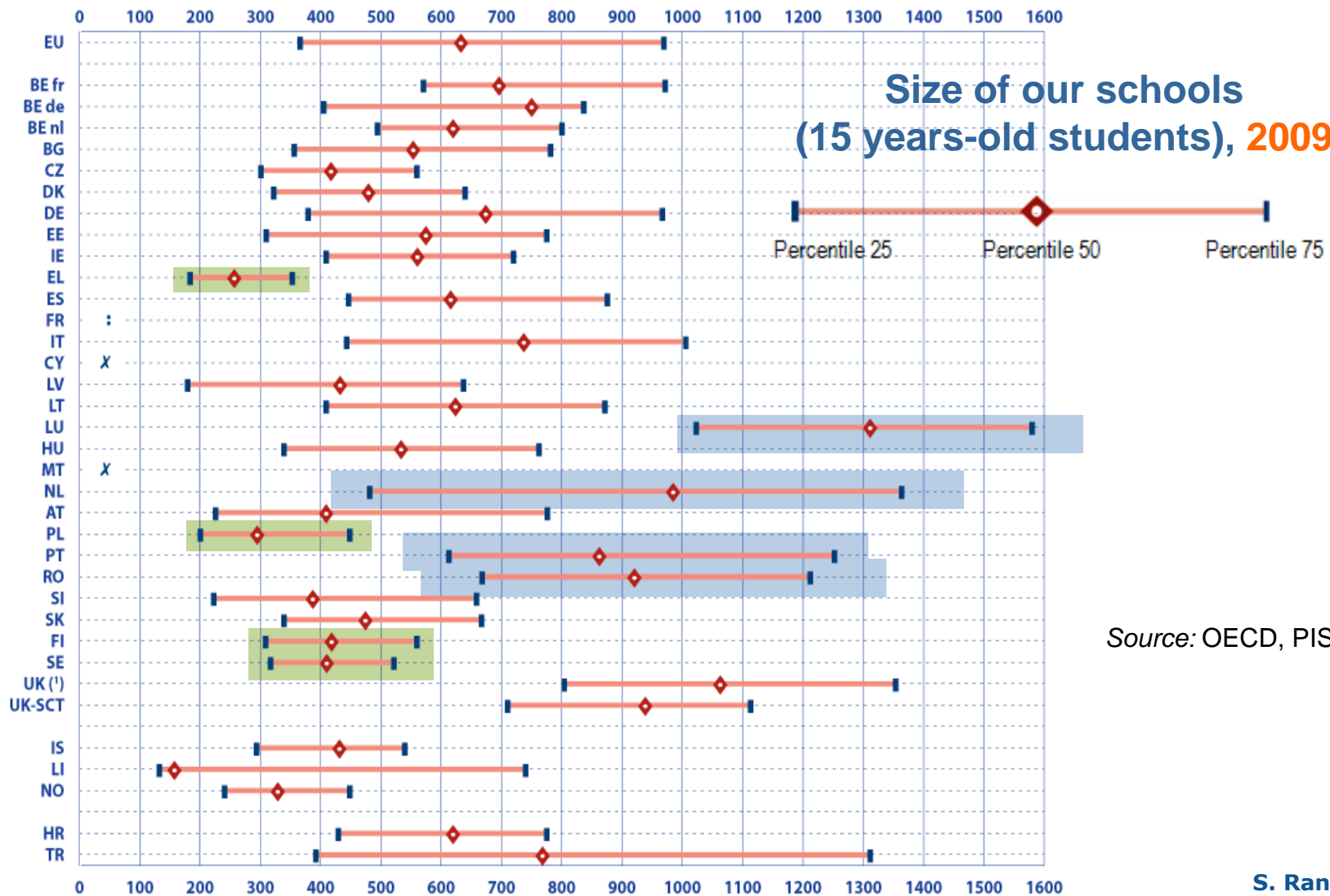


School choice in the public sector for primary education, 2010/11



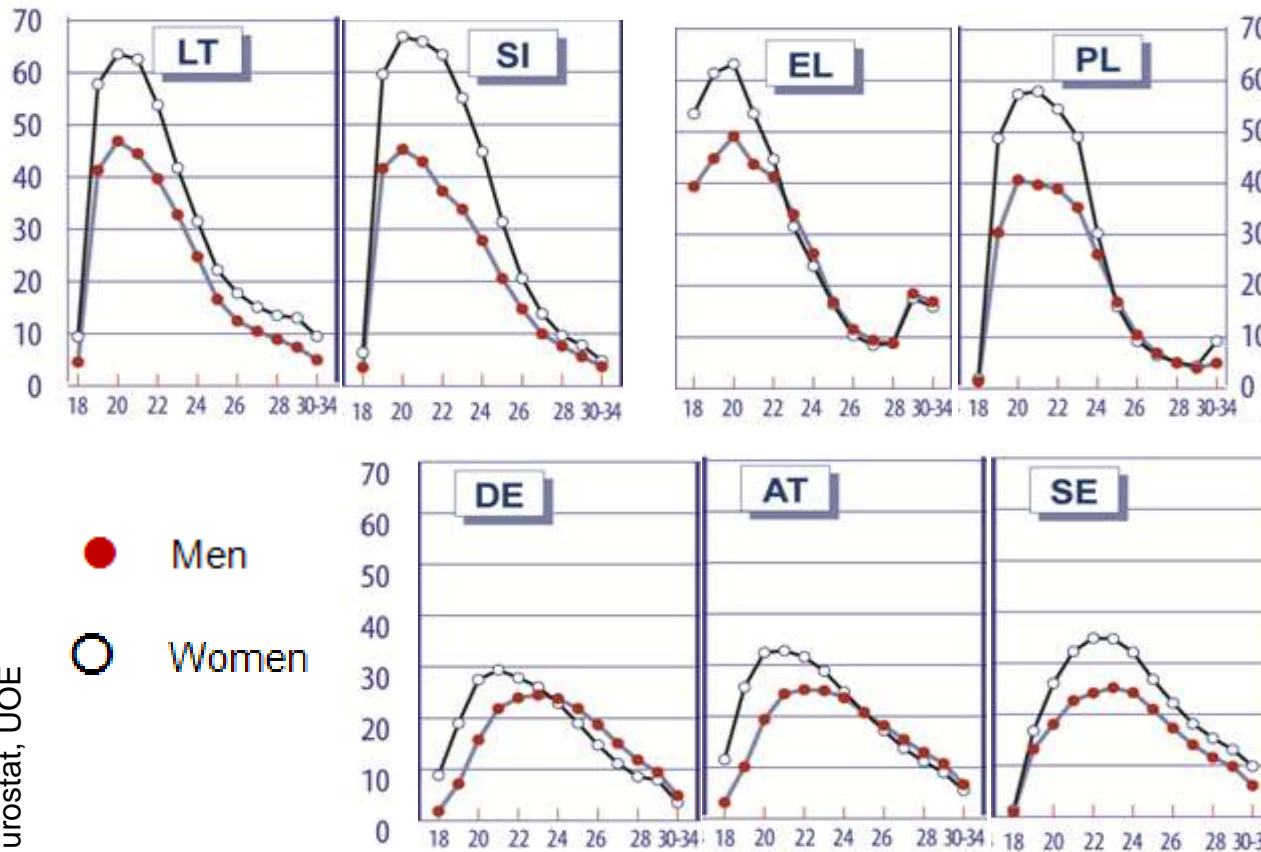


European Commission



Source: OECD, PISA2009

Participation rates in tertiary education (ISCED 5 and 6) by age and by sex, 2009



- In ten years the participation in tertiary education increased by 22%.
- In most countries, the participation in full time tertiary education programmes decreases with the age of students.

Challenges in Participation in Education

- Need to reduce the **Early school leavers**.
- Increase the **participation in Pre-primary education**.
- Ensure the **Equity in education** (migrant population, socio-economic status).
- **Reduce the gap between schools**
- Work on the **optimal class size and school size**.

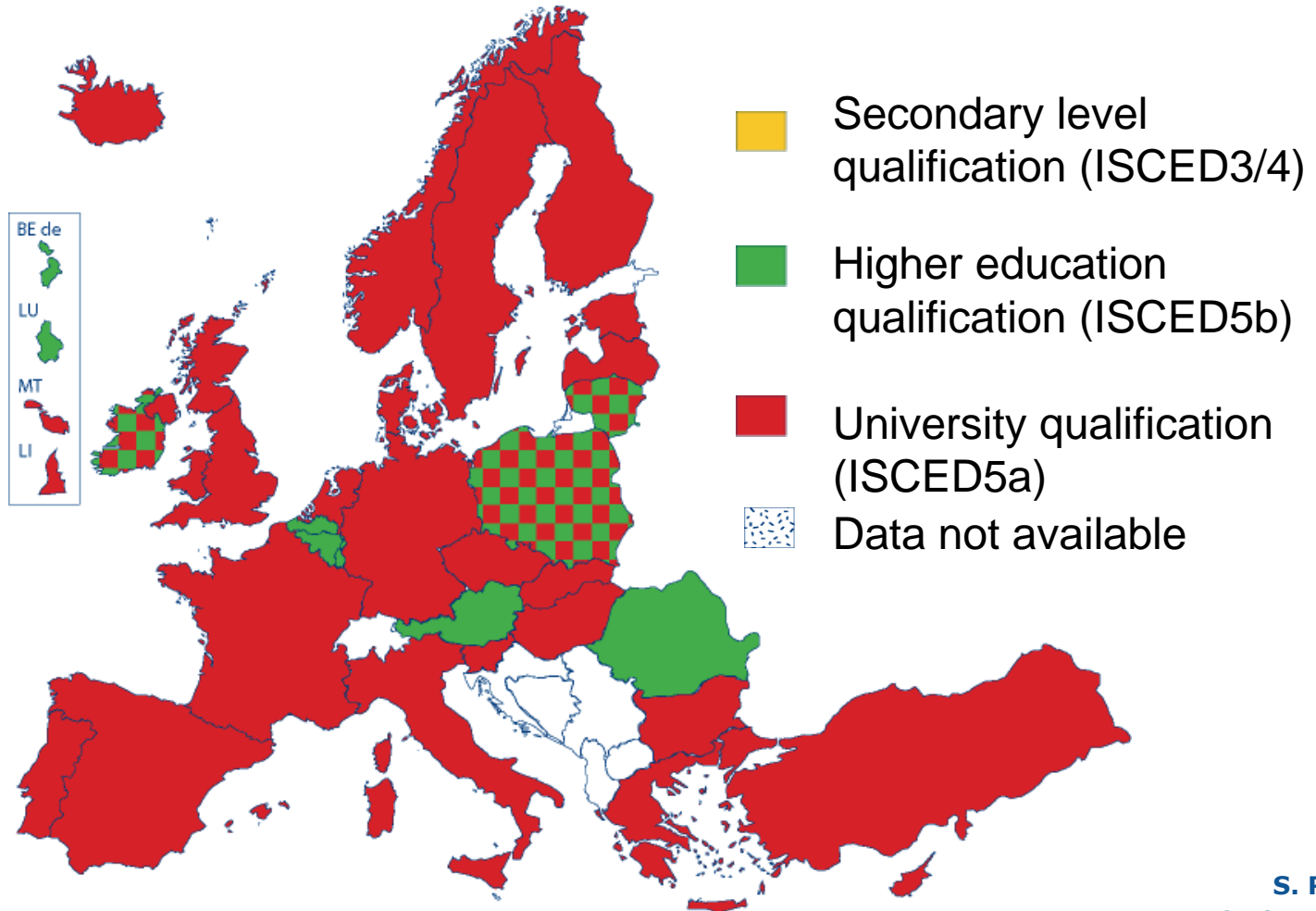


Who are our teachers?

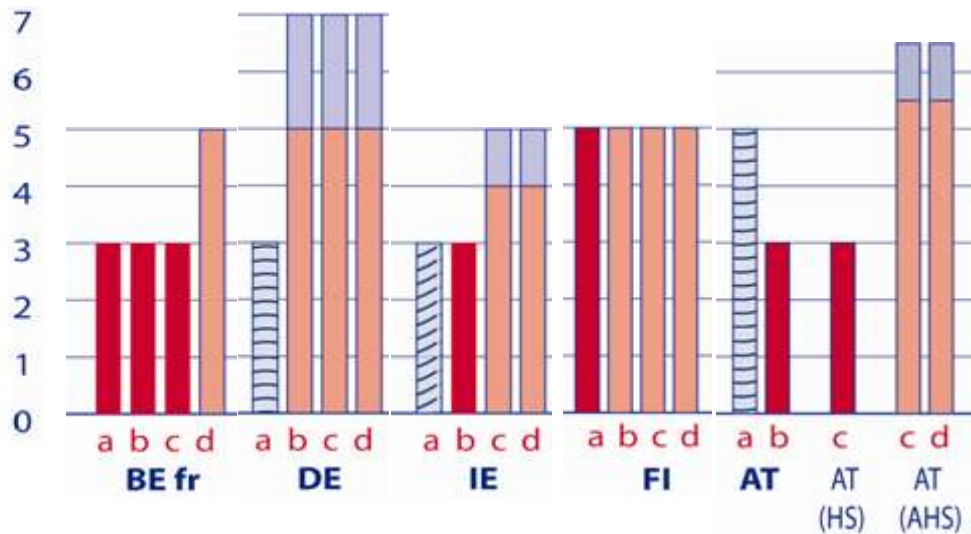


Historical overview of the level of qualification of primary school teachers, 1900, 1970, 2007

2007



Required level and minimum length of initial teacher education for teachers from pre-primary to upper secondary education, 2010/11



- Most countries today require a **Bachelor's degree as the minimum teaching qualification**. Master's level degree is commonly required for secondary teachers.

To teach at level:

a

Pre-primary

b

Primary

c

Lower secondary

d

Upper secondary

Qualification needed:



ISCED 3/4
Bachelor's level



Master's level
Study abroad

Induction {

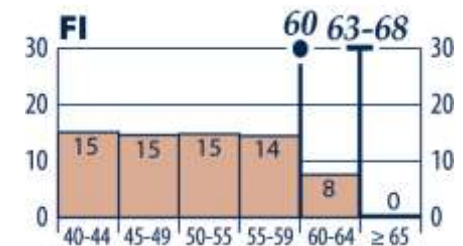
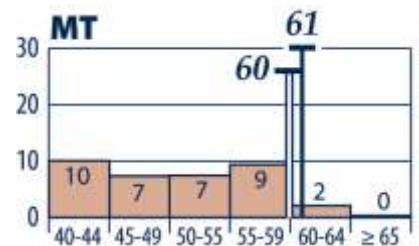
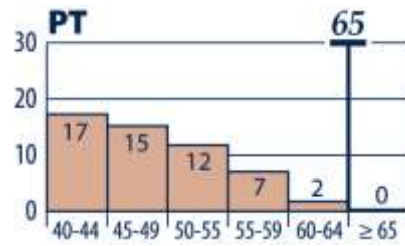
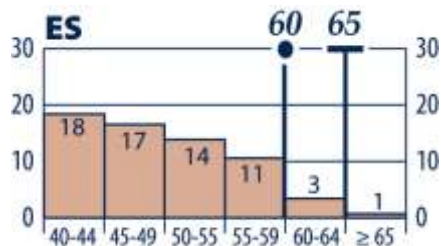
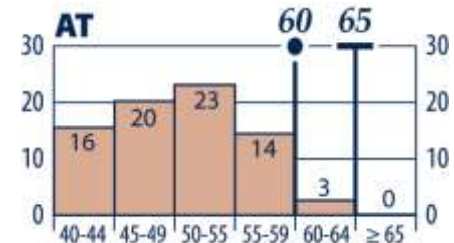
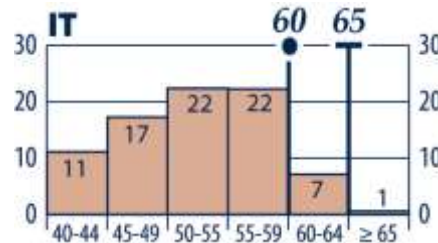
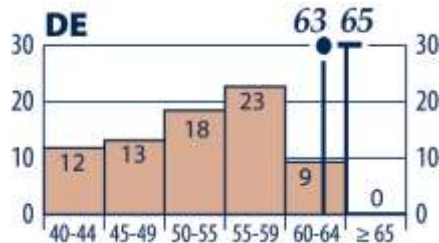


after ITE



during ITE

Proportions of teachers in age groups close to retirement in primary and secondary education, 2009



Source: Eurostat, UOE and Eurydice

Challenges for the Teaching profession

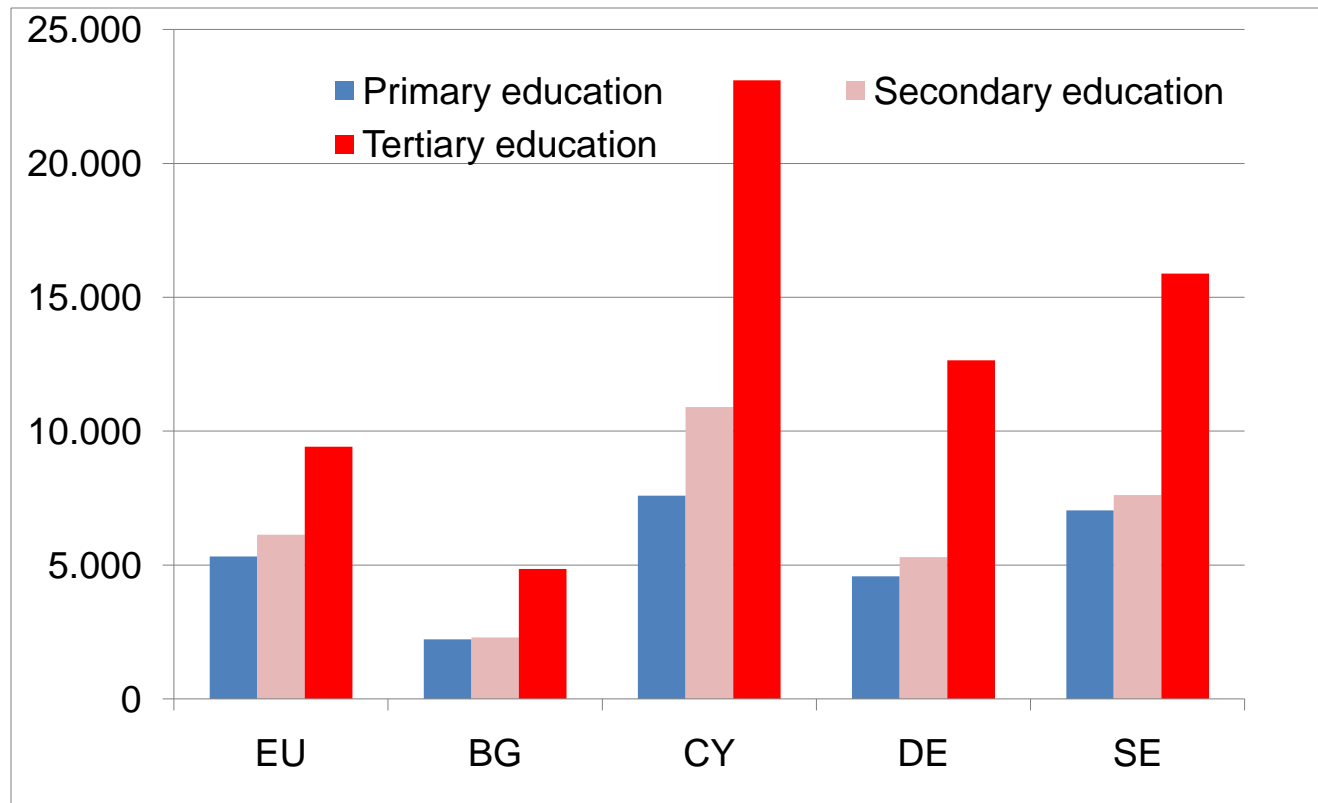
- There has been a **significant fall in the proportion of graduates** in the field of education and training.
- **Increases in teachers' salaries** over the last decade **were not always sufficient** to maintain teachers' purchasing power due to a faster rise in cost of living.
- While the overall working hours for teachers have not changed, the **average number of active teaching hours** has **increased** in the last years.



How much education cost?



Public expenditure per student and education levels, in PPS EUR, 2008



Each citizen pays:

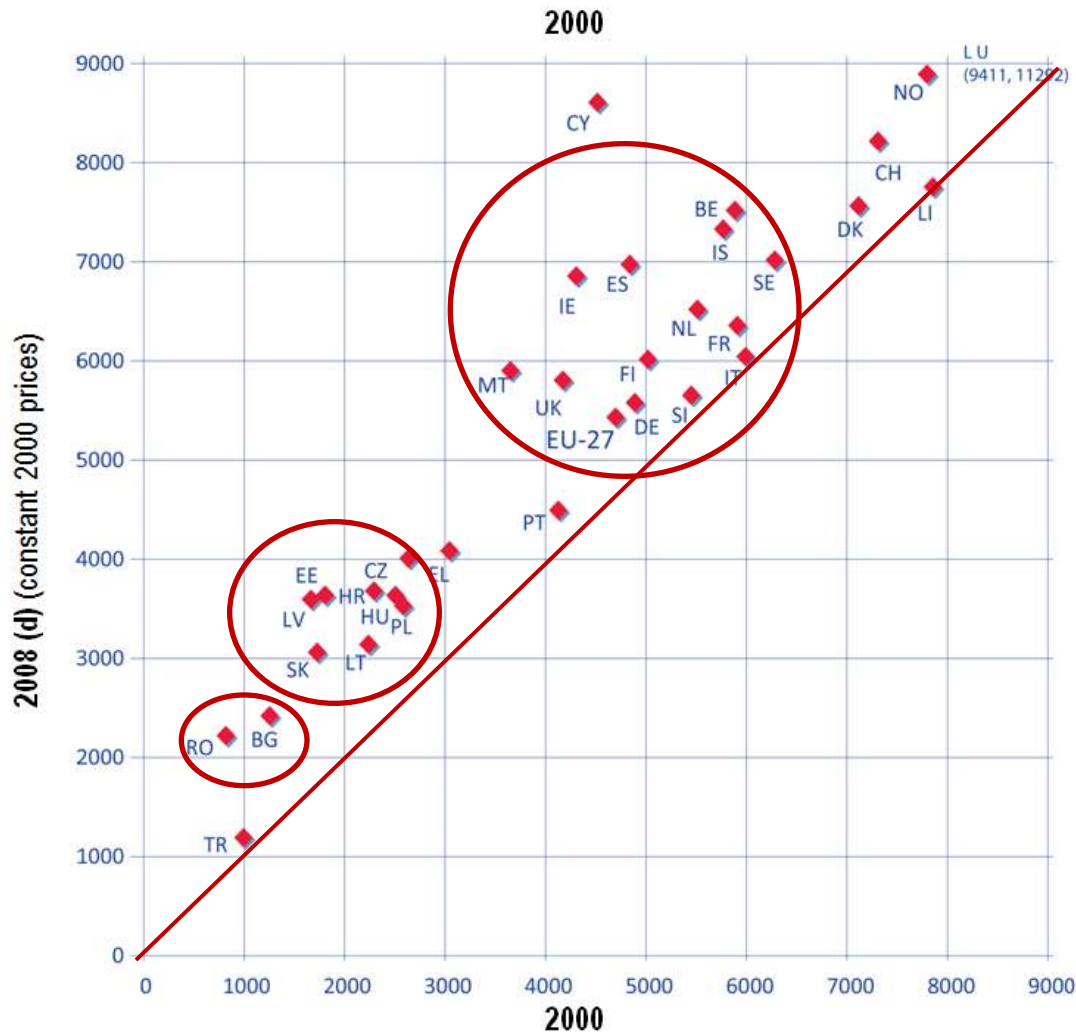
EU 1500€

Bulgaria 552€

Cyprus 2937€

Sweden 2656€

Trend in total expenditure per student, in PPS EUR, 2000 and 2008



- The expenditure per student increased by **34 % in nominal terms**
- Or **16 % in constant prices** (i.e. taking into account the evolution of prices during the same period)

Source: Eurydice

Challenges in Funding of Education

- Investment in education is **over 10% of the total public expenditure** and might be affected by the budgetary restrictions implemented by many Member States.
- The relative **low levels of capital investment** in education (below 9% at EU level) **risk to undermine the medium term development** of the sector.
- Several countries introduced **different types of fees** to be paid by tertiary education students that can impact the participation levels.



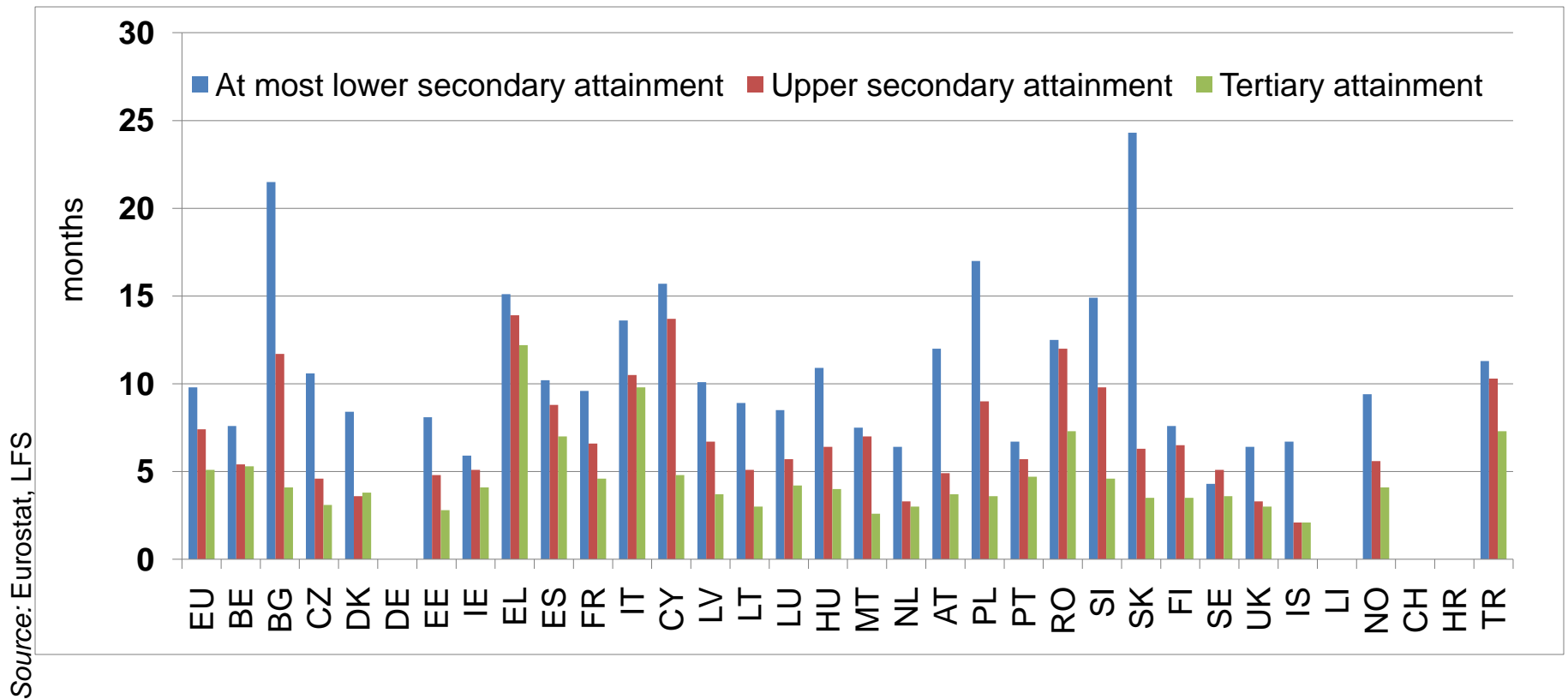
Education for Employment or Employment for Education?



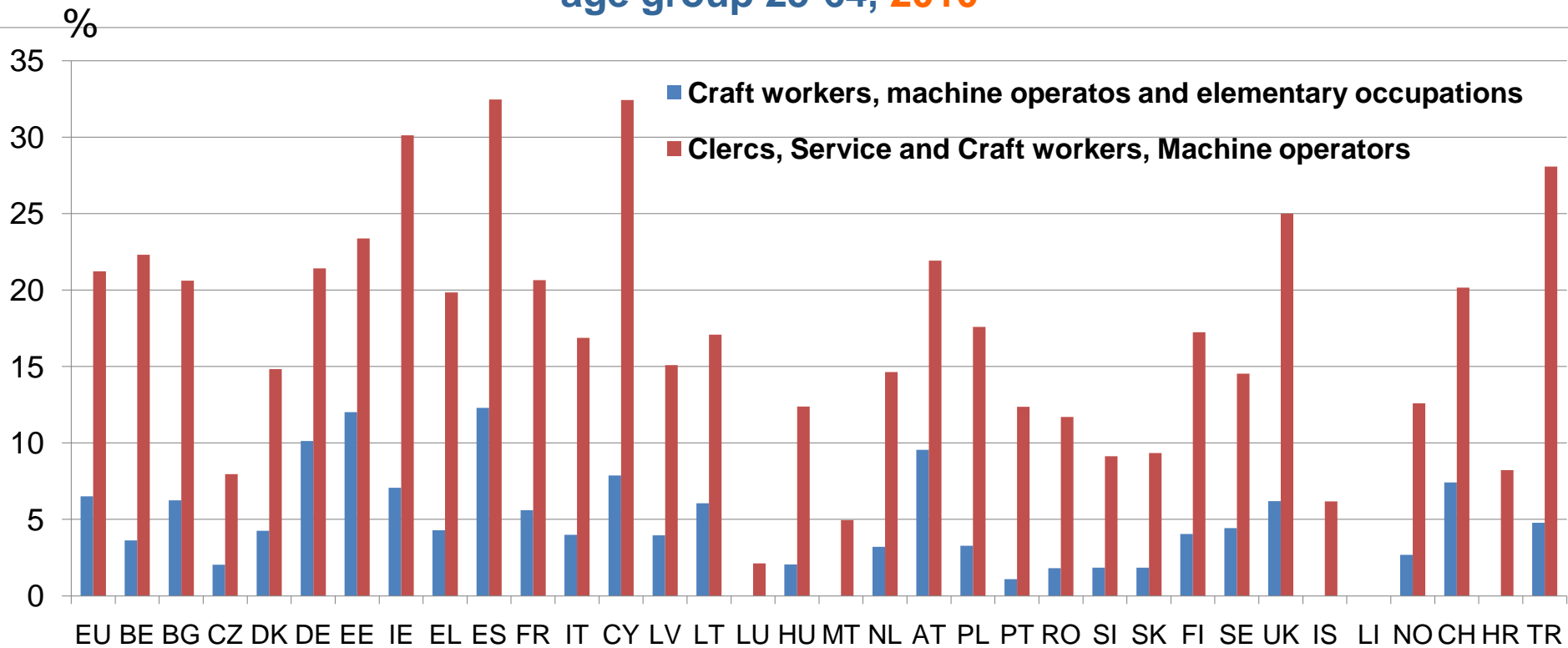


- **79% of young people (20-24 age group) in Europe successfully completed upper secondary education in 2010**, confirming the upward trend during the last decade.
- **The percentage of the population with a tertiary qualification has increased for all age groups since 2000** with a notable increase in the younger age groups.

Average length of transition from education to employment, 2009



Proportion of tertiary education graduates working as Craft workers, machine operators or in other elementary occupations, age group 25-64, 2010



Source: Eurostat, LFS

Challenges in the transition from Education to Employment

- **One in five tertiary graduates are over-qualified for their job**, and this proportion has increased since 2000.
- Although **women outnumber men in most academic fields**, they still remain, on average, more likely to be unemployed.
- Low educated people **stay longer periods unemployed**.



Let's sum up: Education and Training 2020

- Making **lifelong learning** and **mobility** a reality
- Improving the **quality** and **efficiency** of education and training
- Promoting **equity, social cohesion** and **active citizenship**
- Enhancing **creativity** and **innovation**, including entrepreneurship, at all levels of education and training.





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