



# **EDUCATION AND TRAINING**

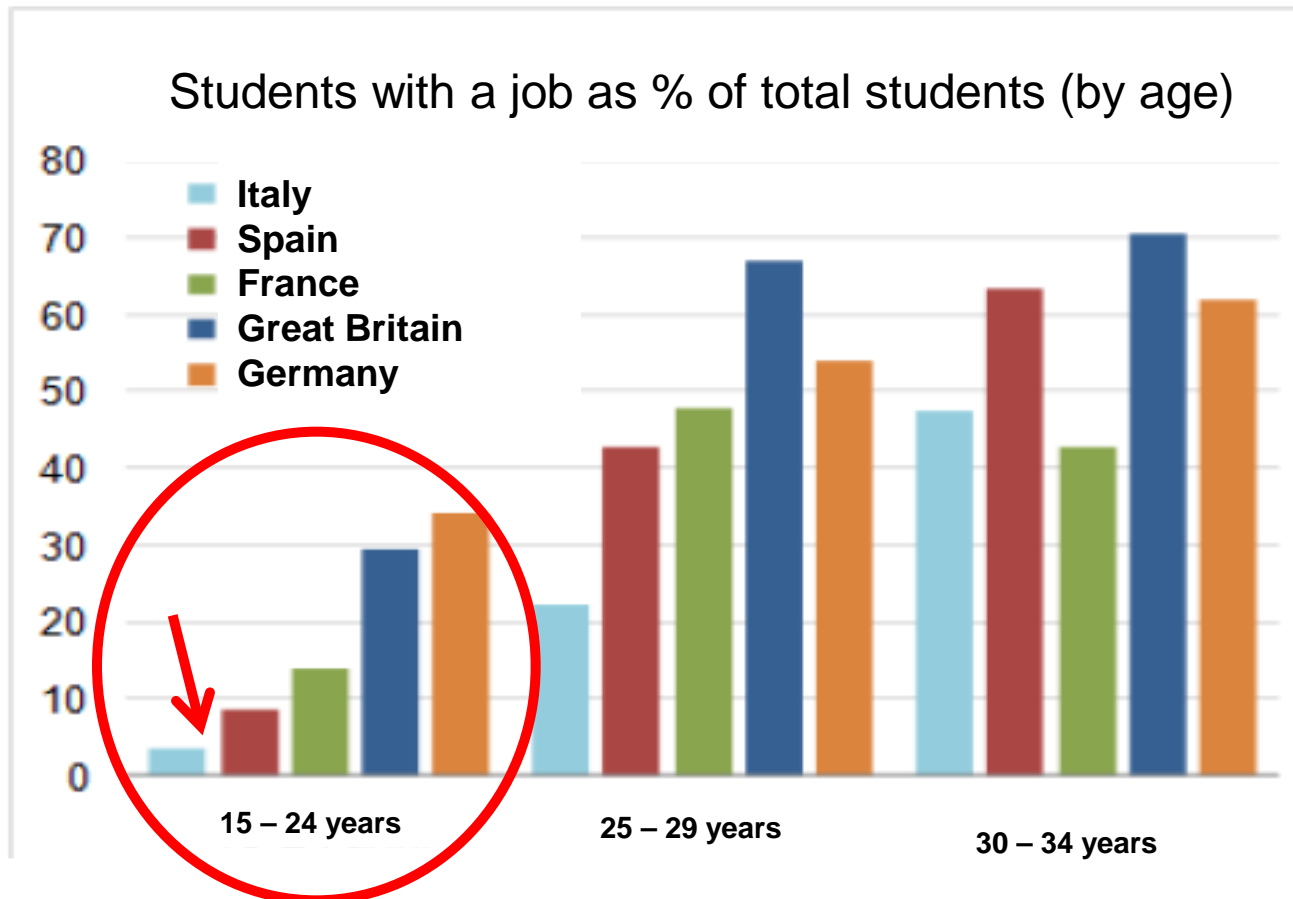
## **Dual Education: Europe's Secret Recipe?**

**GIAMPAOLO GALLI**

General Manager Confindustria

**11th Munich Economic Summit, 4 may 2012**

# Few students have a job

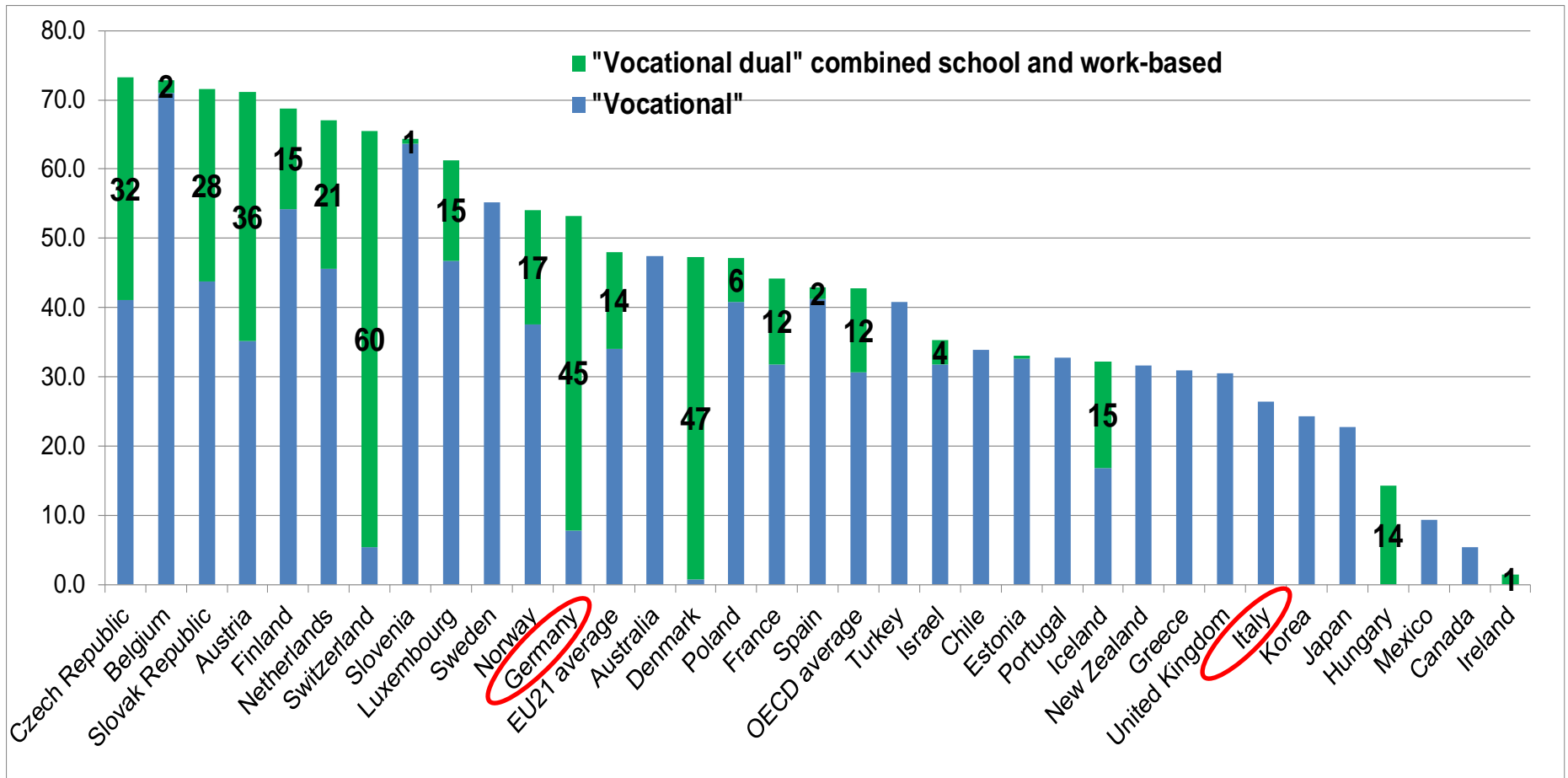


Source: EUROSTAT database

# Few students choose Vocational Education and Training

## vocational education and training

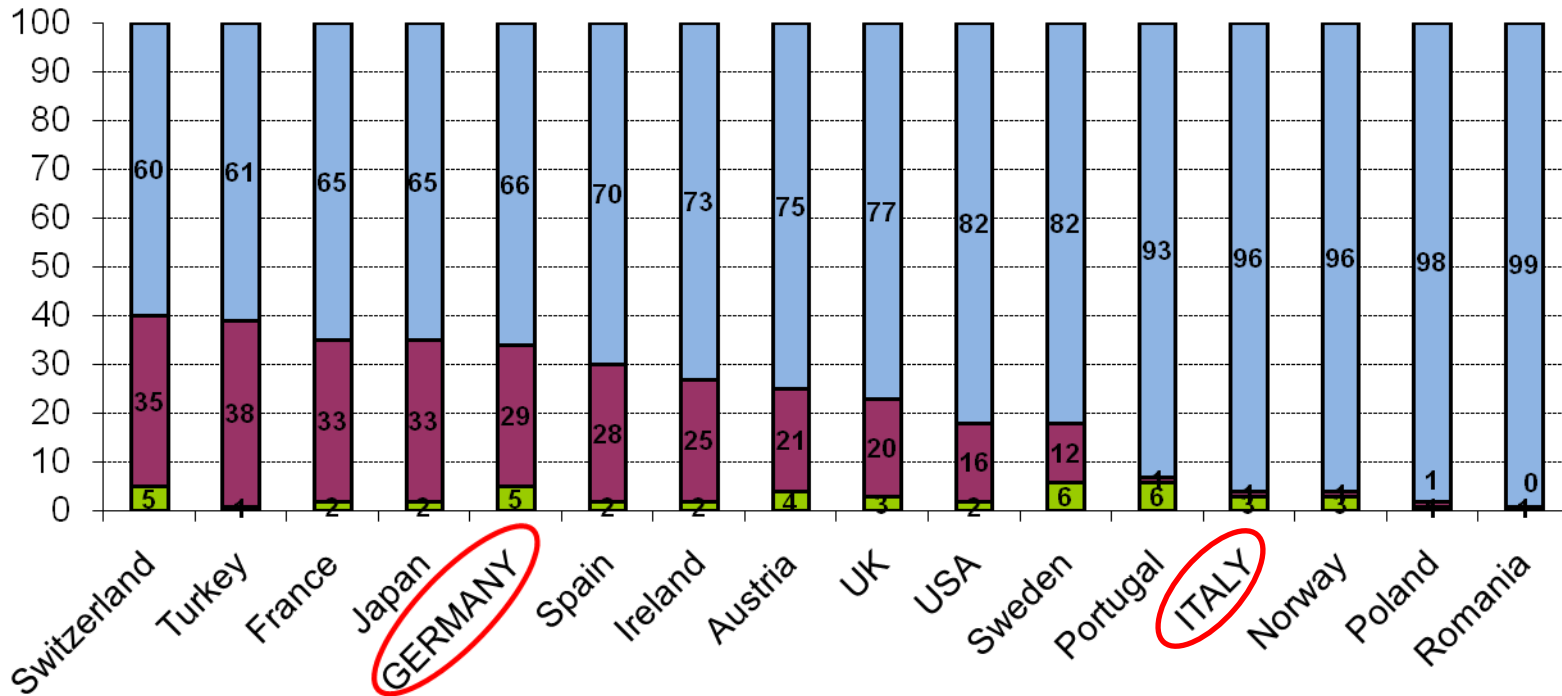
(%, student enrolled in upper secondary)



Vocational education prepares participants for direct entry, without further training, into specific occupations. Successful completion of such programmes leads to a labour-market relevant vocational qualification. Some indicators divide vocational programmes into school-based programmes and combined school and work-based programmes on the basis of the amount of training that is provided in

In combined school and work-based programmes, instruction is shared between school and the workplace, although instruction may take place primarily in the workplace. Programmes are classified as combined school and work-based if less than 75 per cent of the curriculum is presented in the school environment or through distance education. Programmes that are more than 90 per cent work-based are excluded.

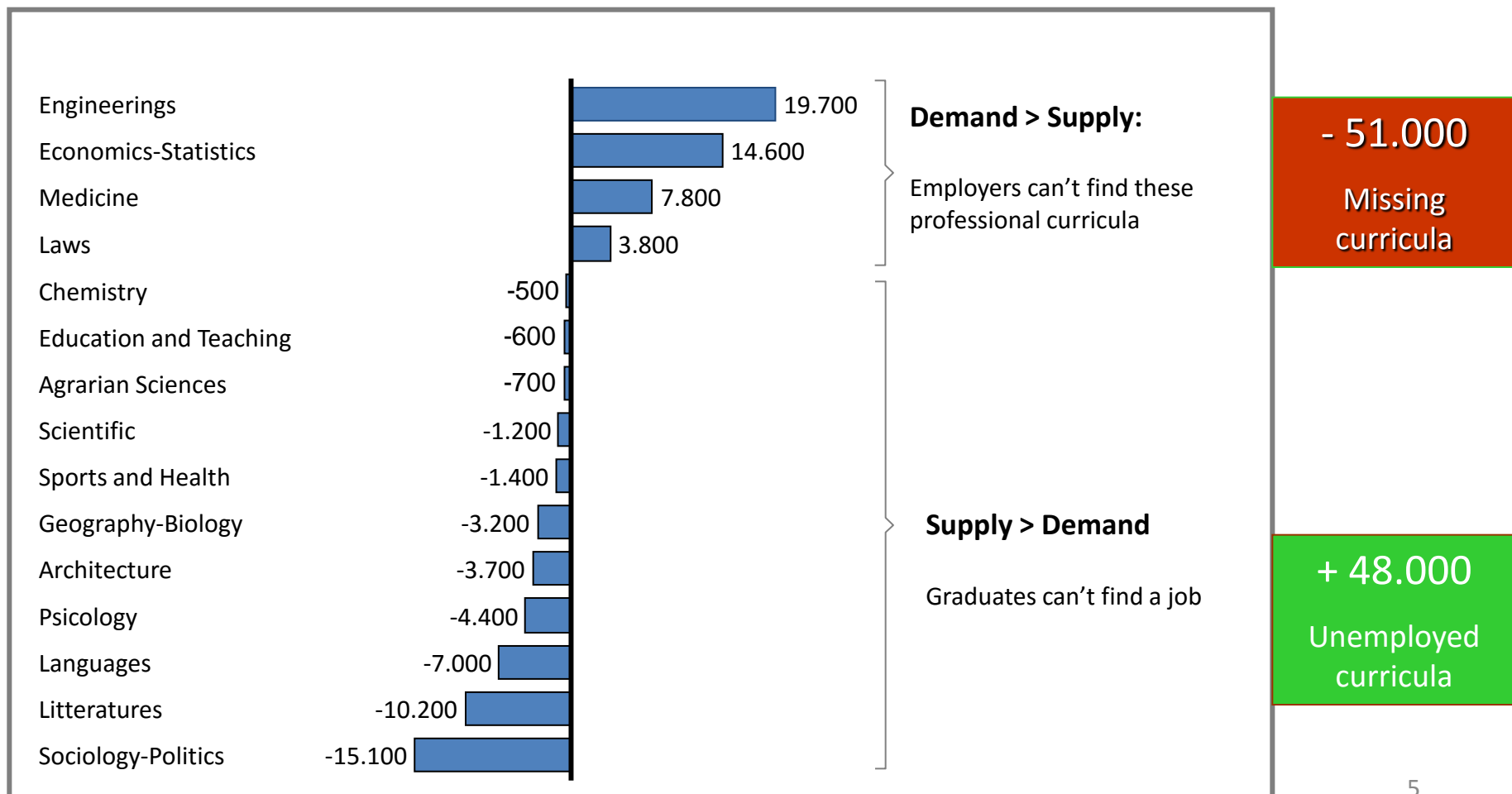
# Low rate of Vocational Graduates



Source: OECD

- Advanced research and highly qualified professions (3-4 years)
- Technical and professional know-how (2-3 years)
- PhD

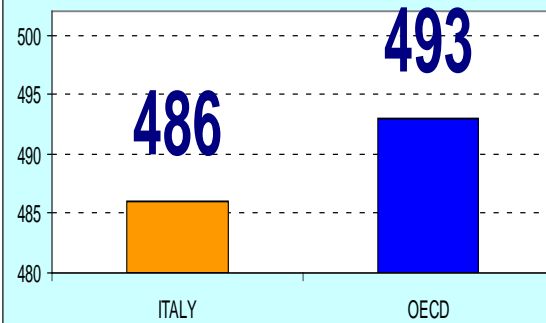
# Higher education: the wrong choices



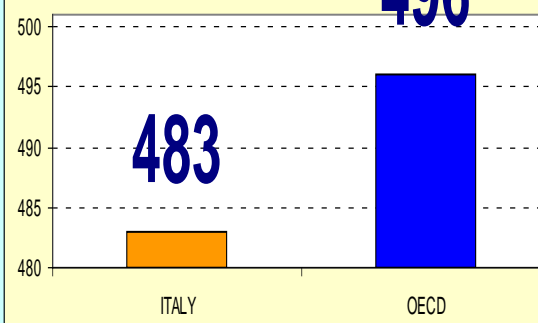
# The results of PISA tests 2009

## ITALY vs. OECD

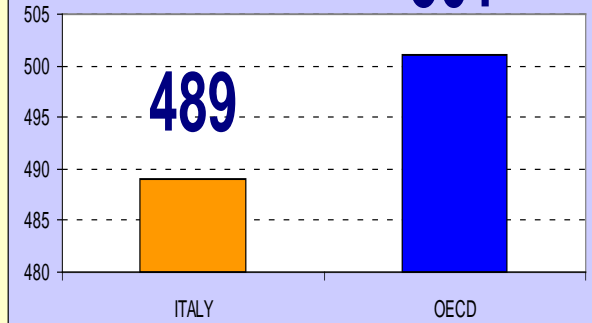
### READINGS



### MATHS

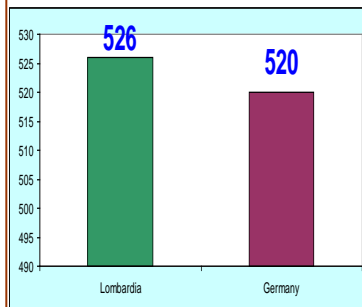


### SCIENCES

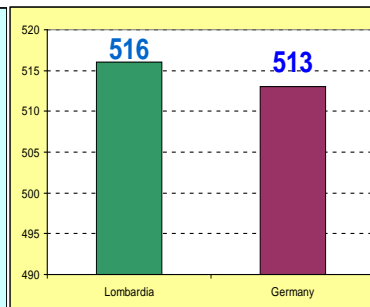


## LOMBARDIA vs. GERMANY

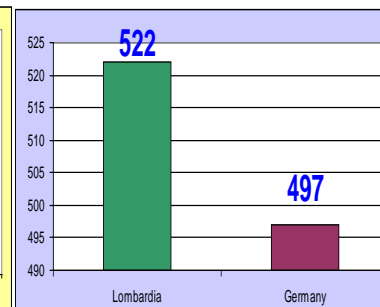
### Readings



### Maths



### Sciences



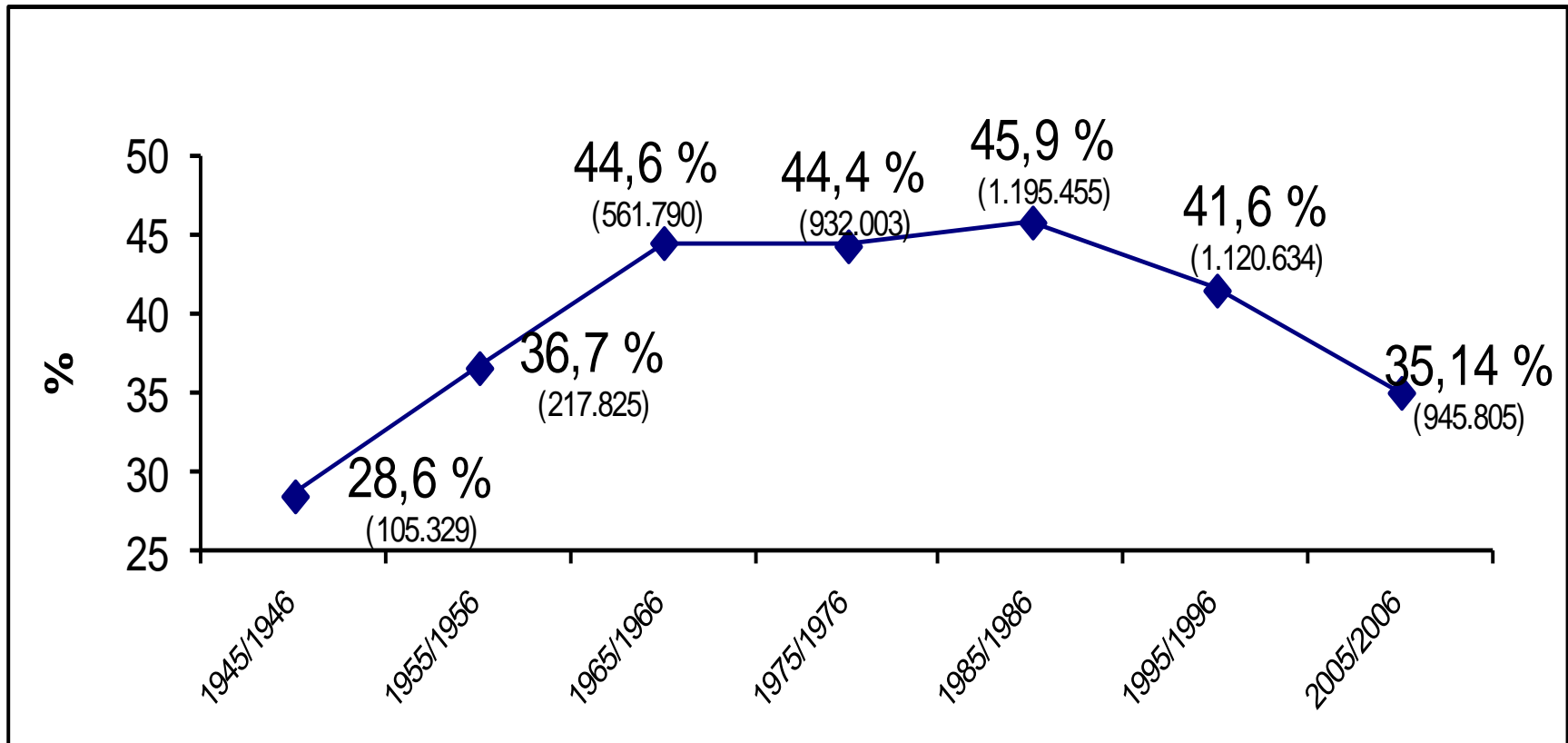
# WHY?



PISA tests don't measure "knowledge", but the ability to apply it in real contexts

It's easier to learn in an educational system where there is no sharp distinction between study and work

# Vocational training enrollments as % of total enrollments in upper secondary school



Source: Confindustria Education on CENSIS database



**“Non scholae,  
sed vitae discimus”**



Lucius Annaeus Seneca



**“Culture make us free from work”**

Gottfried Wilhelm Leibniz

***“...Every learned man who neglects to learn a Profession  
will at last turn a loose man”***



Baruch Spinoza (as quoted by John Colerus, 1706, “The life of Spinoza”)

# 1968

## Materialism (Marx) or Idealism (Hegel + Croce)?



# Demography and labour market

## 1968

### Demography

**1** aged (over 65) → **2** young (under 15)  
Average marriage age → **27** men; **24** women  
Under 35 living with parents → **20%**

### Labour market

Young (15 - 29) unemployment rate → 3%

### Education

On total young population 15-29:

- **15%** hold a diploma
- **2%** hold a degree

### Manager and Entrepreneurs (Executive Board)

Under 30 on total number of manager and entrepreneurs



**22%**

## Today

### Demography

**3** aged (over 65) → **2** young (under 15)  
Average marriage age → **33** men; **30** women  
Under 35 living with parents → **42%**

### Labour market

Young (15 - 29) unemployment rate → 20,2%

### Education

On total young population 15-29:

- **50%** hold a diploma
- **15%** hold a degree

### Manager and Entrepreneurs (Executive Board)

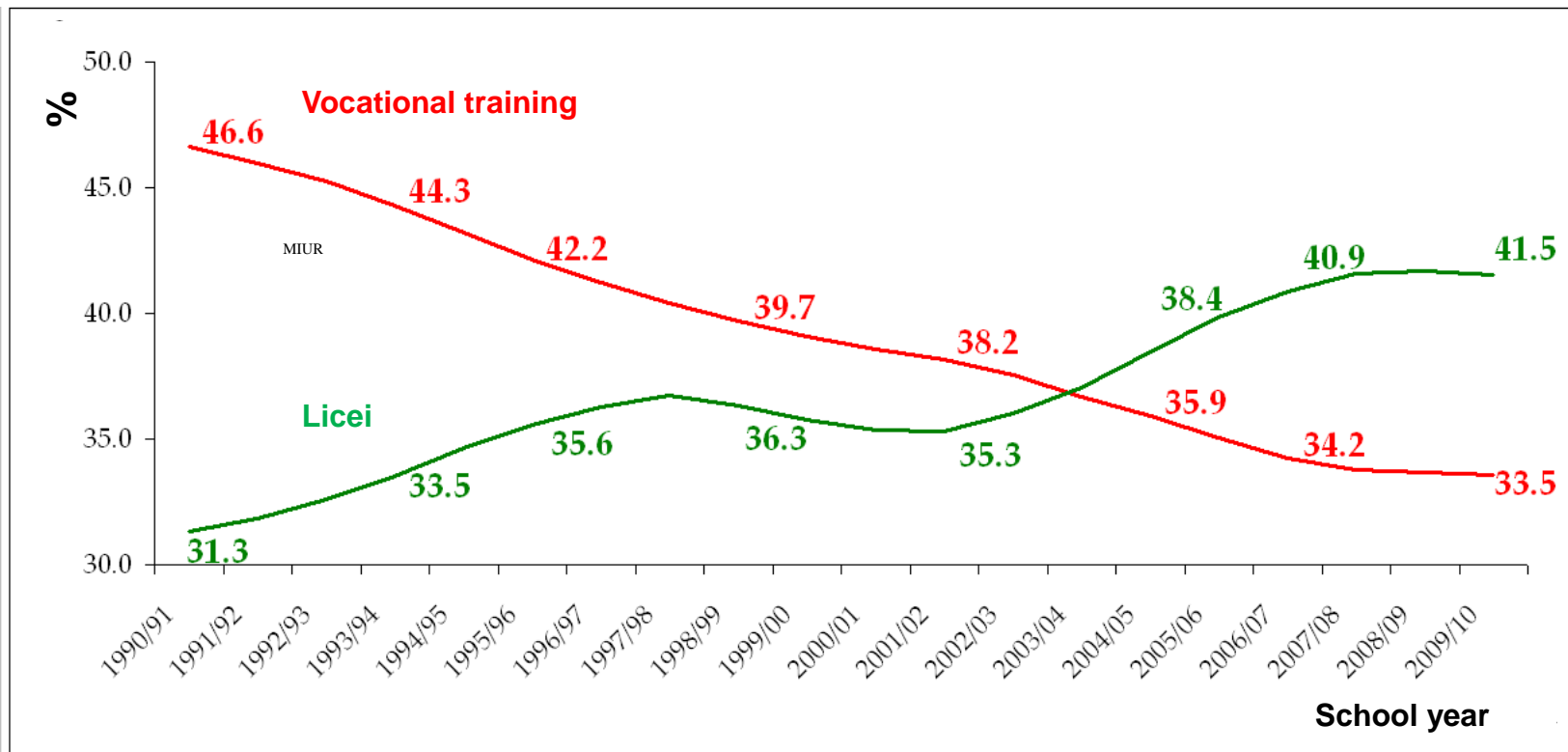
Under 30 on total number of manager and entrepreneurs



**5,7%**

# The overtaking of “Licei”

Students enrolled in Licei and in Vocational Training,  
(as % of total enrollments in upper secondary school)



*In order to avoid a break, the historical trend includes also students enrolled in pedagogic schools since 1990/91 (despite the reform became effective in 1998/99)*