EDUCATION AND TRAINING

Dual Education: Europe’s Secret Recipe?

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Few students have a job

Source: EUROSTAT database

Students with a job as % of total students (by age)

Source: EUROSTAT database
Few students choose Vocational Education and Training

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 school. 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.

Source: Confindustria Education on OECD database
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

Engineerings
Economics-Statistics
Medicine
Laws
Chemistry
Education and Teaching
Agrarian Sciences
Scientific
Sports and Health
Geography-Biology
Architecture
Psicology
Languages
Litteratures
Sociology-Politics

Demand > Supply:
Employers can’t find these professional curricula

Supply > Demand
Graduates can’t find a job

Source: Confindustria Education on OECD database
The results of PISA tests 2009

**ITALY vs. OECD**

**READINGS**
- ITALY: 486
- OECD: 493

**MATHS**
- ITALY: 483
- OECD: 496

**SCIENCES**
- ITALY: 489
- OECD: 501

**LOMBARDIA vs. GERMANY**

**Readings**
- Lombardia: 526
- Germany: 520

**Maths**
- Lombardia: 516
- Germany: 513

**Sciences**
- Lombardia: 522
- Germany: 497

Source: Confindustria Education on OECD database
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%

Source: Confindustria Education on Datagiovani and CENSIS database, 2012
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)

Source: Confindustria Education on Ministry of Education database