



***Vocational Education and Training
and
Lifelong Learning***

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*Invest in Youth, 1st European Youth Conference,
Bad Hofgastein, July 2012*

The Big Picture

- Strategic framework for European co-operation in education and training (ET 2020), EU Benchmarks and Indicators
- VET (Vocational Education and Training) and LLL (Lifelong Learning) are not (in all countries) two different worlds
- Educational attainment does not tell the whole story (competences vs. certificates)

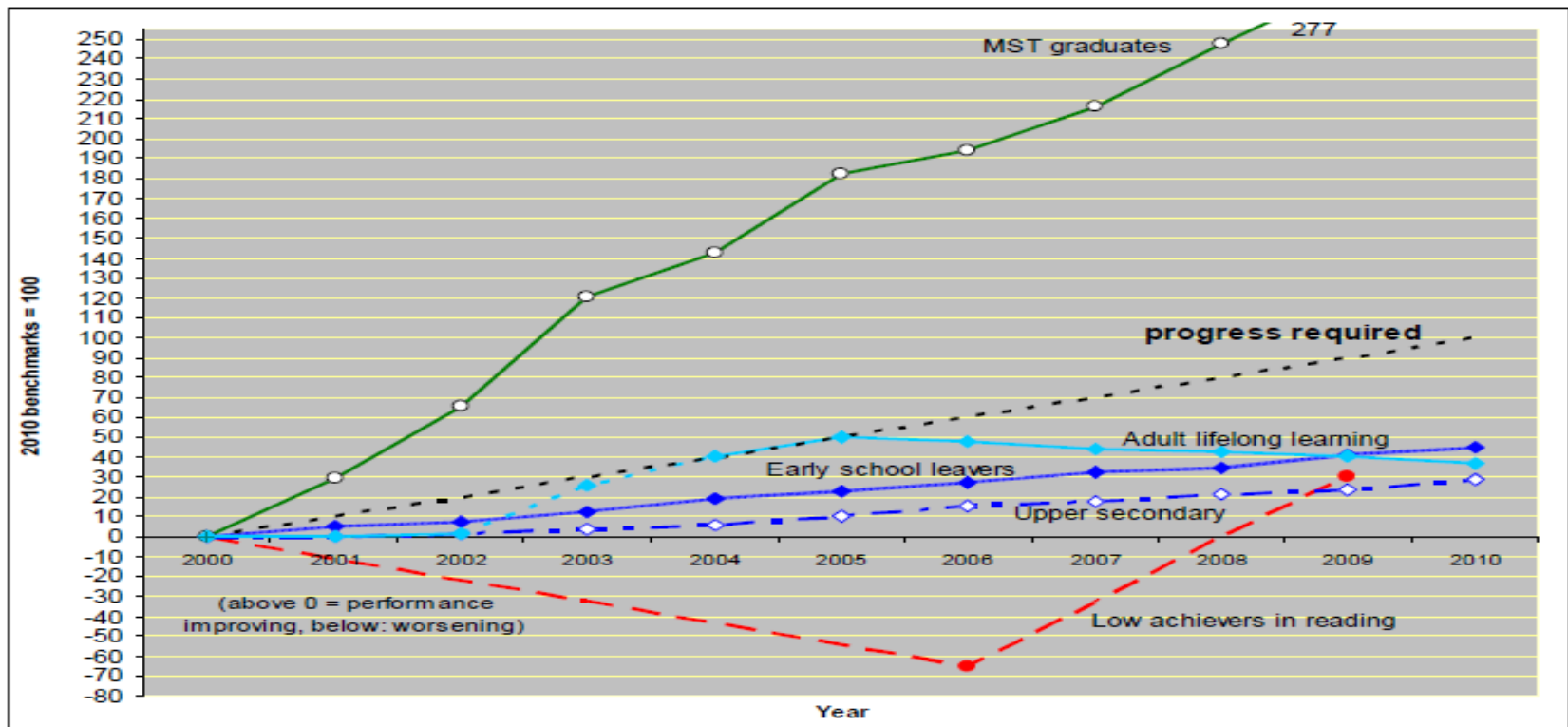
Strategic objectives for the framework

- 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

Five EU benchmarks for 2010

- No more than 10% **early school leavers**
- Decrease of at least 20% in the percentage of **low-achieving pupils** in reading literacy
- At least 85% of young people should have **completed upper secondary education**
- Increase of at least 15% in the number of tertiary **graduates in Mathematics, Science and Technology (MST)**, with a simultaneous decrease in the gender imbalance
- 12.5% of the adult population should **participate in lifelong learning**

Progress towards meeting the five benchmarks for 2010 (2000-2010)

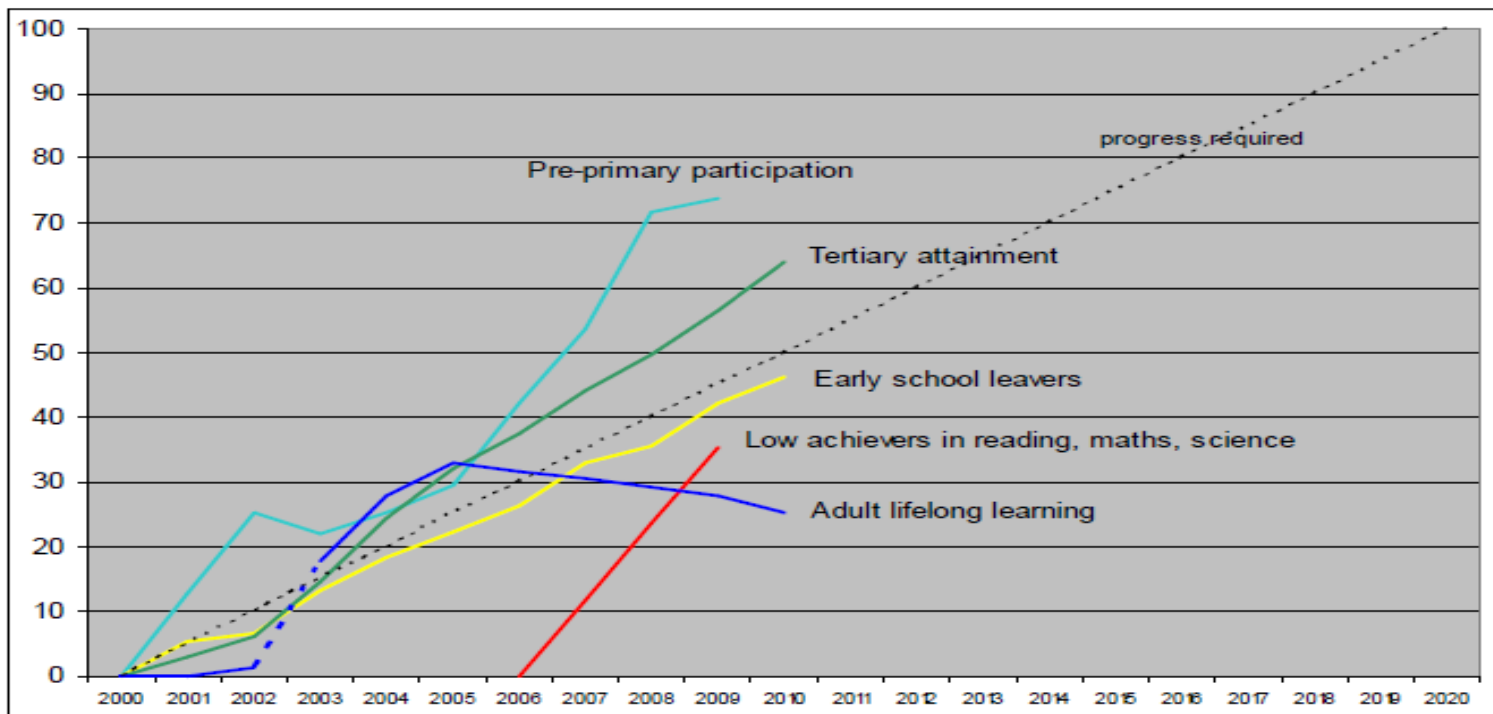


Source: European Commission DG EAC

Five EU benchmarks for 2020

- at least 95% of children between 4 years old and the age for starting compulsory primary education should **participate in early childhood education**
- the share of **early leavers from education and training** should be less than 10%
- the share of **low-achieving 15-years olds** in reading, mathematics and science should be less than 15%
- the share of 30-34 year olds with **tertiary educational attainment** should be at least 40%
- an average of at least 15 % of adults should **participate in lifelong learning**

Trends towards the five benchmarks for 2020 (2000-2010)

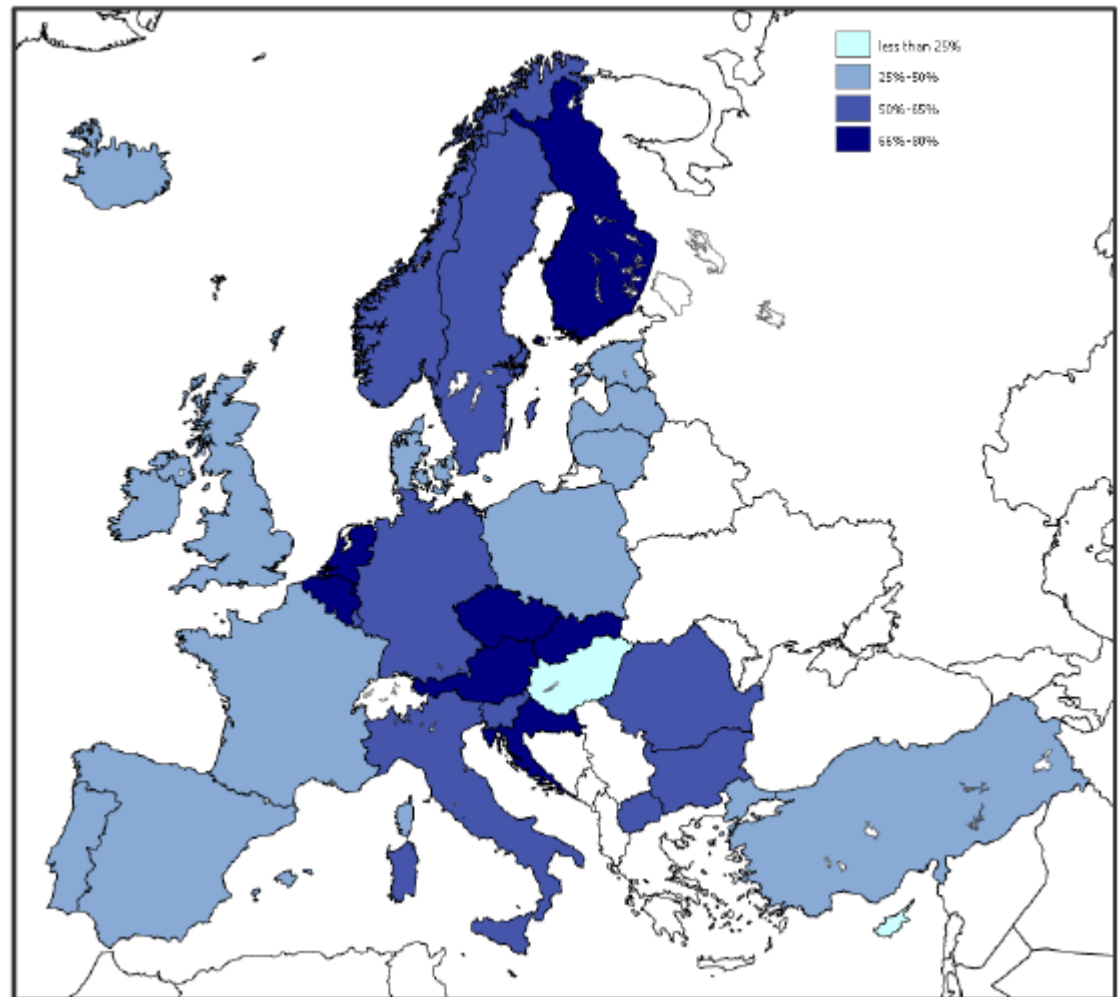


Source: European Commission DG EAC

Participation patterns in initial VET in European countries (2008)

(Students in vocational programmes at ISCED level 3 as percentage of all ISCED 3 students)

Ressource: DG Education and Culture - Data source: Eurostat (UOE)



Educational attainment by gender (EU-27) (20-64 years old)

	Men			Women		
	2004	2009	Change	2004	2009	Change
Below upper secondary education	28.3	25.2	-3.2	30.3	25.9	-4.5
Upper secondary and post-secondary non-tertiary education	51.6	52.4	0.8	47.9	47.4	-0.5
Tertiary education	20.1	22.4	2.4	21.8	26.7	5.0

Source: Eurostat (LFS)

Employment rates and educational attainment by country (20-64 year-old), in % (2010Q3)

Ressource: Eurostat (LFS)

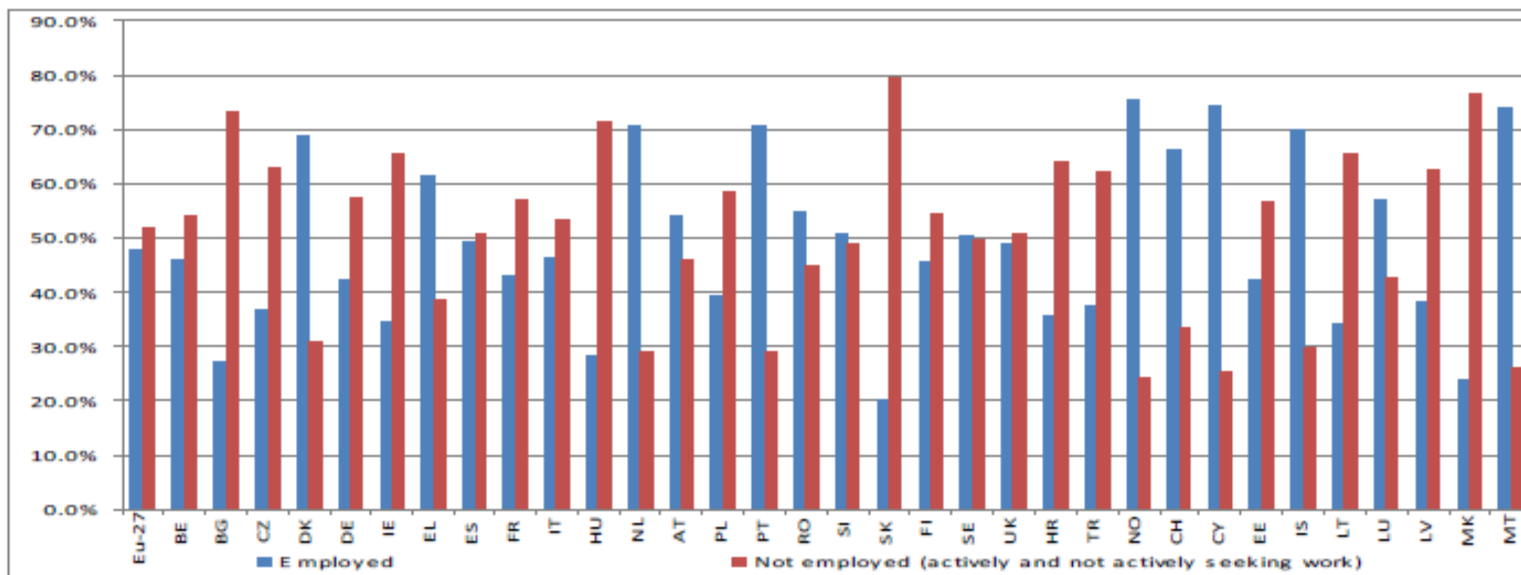
	Below upper secondary education	Upper secondary education	Tertiary education
EU27	53.8	70.4	82.1
Belgium	48.2	69.5	81.8
Bulgaria	41.7	68.7	82.9
Czech Republic	42.5	71.6	80.8
Denmark	63.1	78.6	85.8
Germany	56.3	75.4	86.6
Estonia	44.5	66.8	78.1
Ireland	46.6	63.5	79.5
Greece	58.5	61.3	78.0
Spain	52.5	64.6	77.4
France	55.0	71.5	80.7
Italy	50.1	66.9	74.9
Cyprus	67.5	74.7	82.3
Latvia	49.0	63.6	81.3
Lithuania	30.9	60.0	85.5
Luxembourg	57.6	69.1	84.2
Hungary	38.2	62.8	77.2
Malta	51.4	77.2	82.5
Netherlands	61.8	79.6	86.7
Austria	56.8	77.8	84.7
Poland	41.4	63.6	82.3
Portugal	68.0	70.0	81.7
Romania	57.2	64.1	81.5
Slovenia	49.4	69.6	86.7
Slovakia	30.7	66.2	77.2
Finland	55.5	73.2	83.7
Sweden	63.6	80.6	87.8
United Kingdom	55.9	75.9	84.0
Croatia	42.4	59.0	75.7
Iceland	75.2	81.6	87.9
MK*	33.5	52.3	71.1
Turkey	46.3	54.9	69.8
Norway	64.8	79.0	89.6
Switzerland	70.7	80.7	87.2

Annual median net income of workers in Euros, by educational attainment (x 1000 Euros)

	Below upper secondary education	Upper secondary education	Tertiary education
EU 27	12.7	14.7	21.7
Belgium	16.7	20.2	25.4
Bulgaria	2.1	3.2	4.4
Czech Republic	6.2	7.8	10.3
Denmark	23.2	26.3	30.8
Germany	15.7	19.0	24.7
Estonia	5.3	6.3	8.8
Ireland	18.7	23.8	32.1
Greece	9.7	11.8	17.6
Spain	11.9	14.7	19.6
France	17.6	19.9	25.3
Italy	14.1	18.0	23.9
Cyprus	14.8	17.8	23.6
Latvia	4.3	5.8	8.7
Lithuania	3.5	4.9	7.7
Luxembourg	25.6	32.8	46.4
Hungary	3.8	4.9	6.8
Malta	9.4	12.4	15.9
Netherlands	18.3	20.7	26.0
Austria	16.6	21.3	25.7
Poland	3.9	5.1	8.2
Portugal	7.9	10.5	17.3
Romania	1.6	2.5	4.4
Slovenia	10.4	12.1	16.5
Slovakia	4.6	5.9	7.7
Finland	19.7	21.3	27.3
Sweden	20.4	22.2	25.3
United Kingdom	13.4	16.8	23.4
Iceland	21.5	22.6	26.7
Norway	31.3	35.5	40.7
Switzerland	25.0	31.6	41.2

Ressource: Eurostat SILC, 2007.

Early leavers from education and training by employment status. 2009 (%)



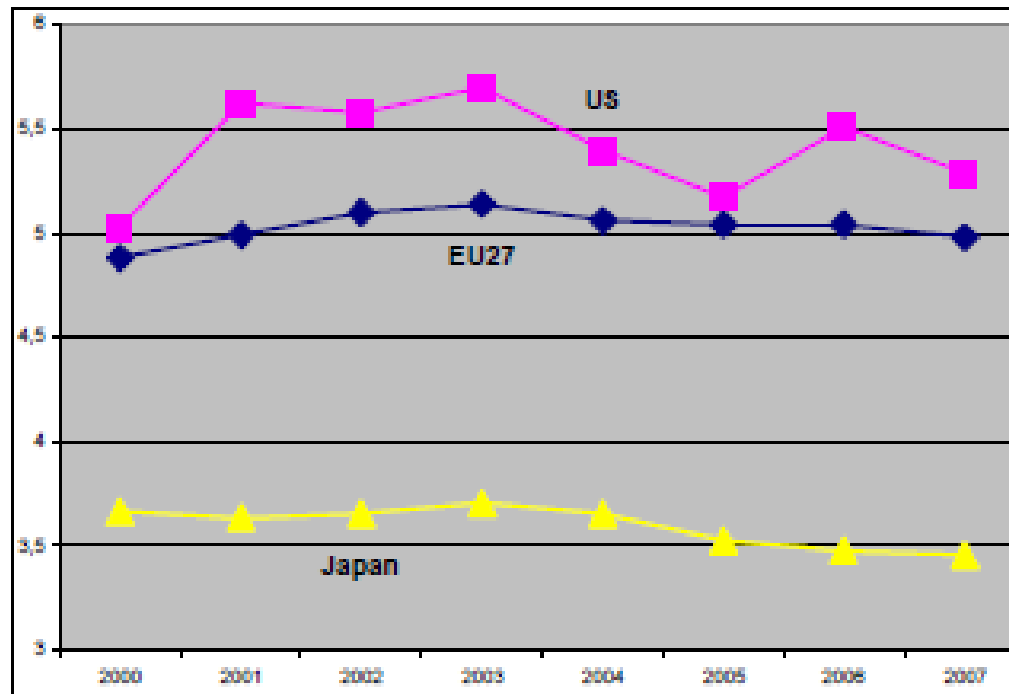
Source: Eurostat (Labour Force Survey), 2009

Public spending by level of education as a percentage of GDP (2007)

	Primary	Secondary	Tertiary	All levels
EU-27	1.16	2.21	1.12	4.98
Belgium	1.42	2.58	1.31	6.02
Bulgaria	0.82	1.84	0.68	4.13
Czech Republic	0.58	2.03	1.07	4.20
Denmark	1.86	2.80	2.29	7.83
Germany	0.63	2.25	1.14	4.50
Estonia	1.13	2.25	1.07	4.85
Ireland	1.72	2.03	1.14	4.90
Greece	:	:	:	:
Spain	1.10	1.66	0.99	4.35
France	1.17	2.55	1.23	5.59
Italy	1.08	1.98	0.76	4.29
Cyprus	1.95	3.03	1.61	6.93
Latvia	1.24	2.11	0.93	5.00
Lithuania	0.67	2.41	1.01	4.67
Luxembourg	1.69	1.46	:	3.15
Hungary	0.99	2.29	1.03	5.20
Malta	:	:	0.95	:
Netherlands	1.32	2.16	1.45	5.32
Austria	0.97	2.52	1.50	5.40
Poland	1.59	1.89	0.93	4.91
Portugal	1.48	2.09	1.20	5.30
Romania	0.84	1.52	1.12	4.25
Slovenia	2.26	1.16	1.21	5.19
Slovakia	0.67	1.69	0.79	3.62
Finland	1.20	2.52	1.85	5.91
Sweden	1.68	2.64	1.77	6.69
United Kingdom	1.65	2.45	0.94	5.39
Croatia	1.83	0.87	0.81	4.07
Iceland	2.52	2.40	1.39	7.36
MK*	:	:	:	:
Turkey	:	:	:	:
Liechtenstein	:	:	0.17	:
Norway	1.69	2.36	2.16	6.76

Ressource: Eurostat (UOE)

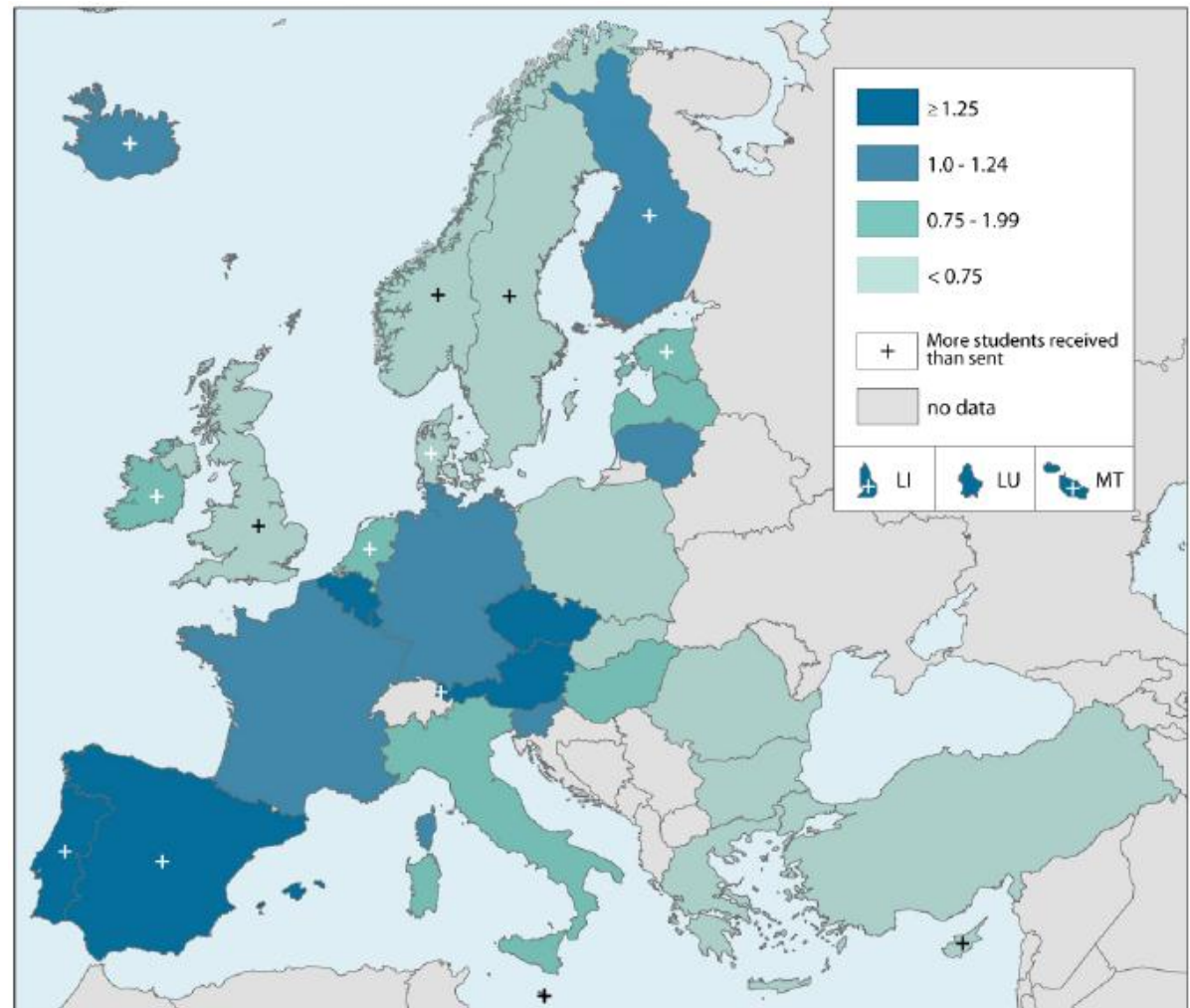
Public spending on education as a percentage of GDP (2000-2007)



Source: Eurostat, Structural Indicators (June 2010)

Outward mobility of Erasmus students, 2008/09 (students sent per 1000 students)

Ressource: DG Education and Culture (Erasmus programme)



Number of participants in Leonardo mobility

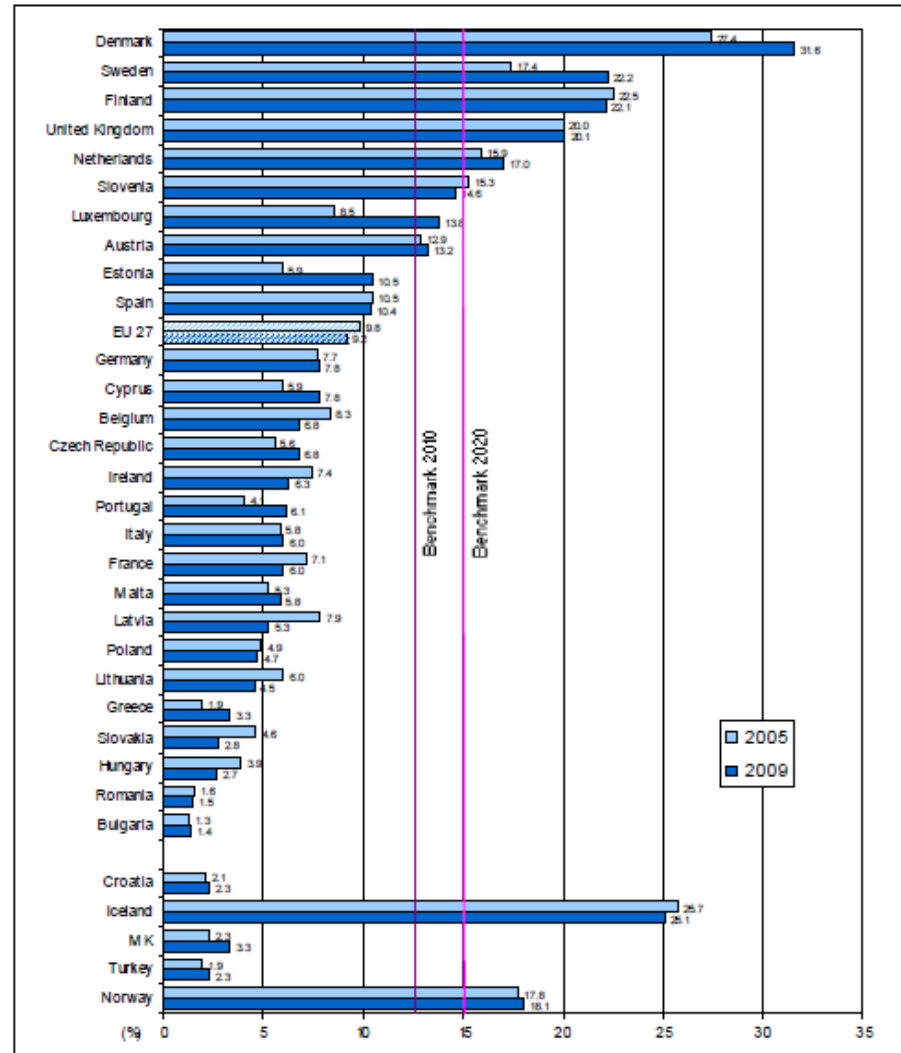
	2007	2008	2009	2010
Persons in initial vocational training	42847	42854	51778	59254
People on the labour market	16750	13416	15767	19680
Professionals in vocational training	13907	12551	12772	12006
Total	73504	68821	80317	90940

Source: European Commission

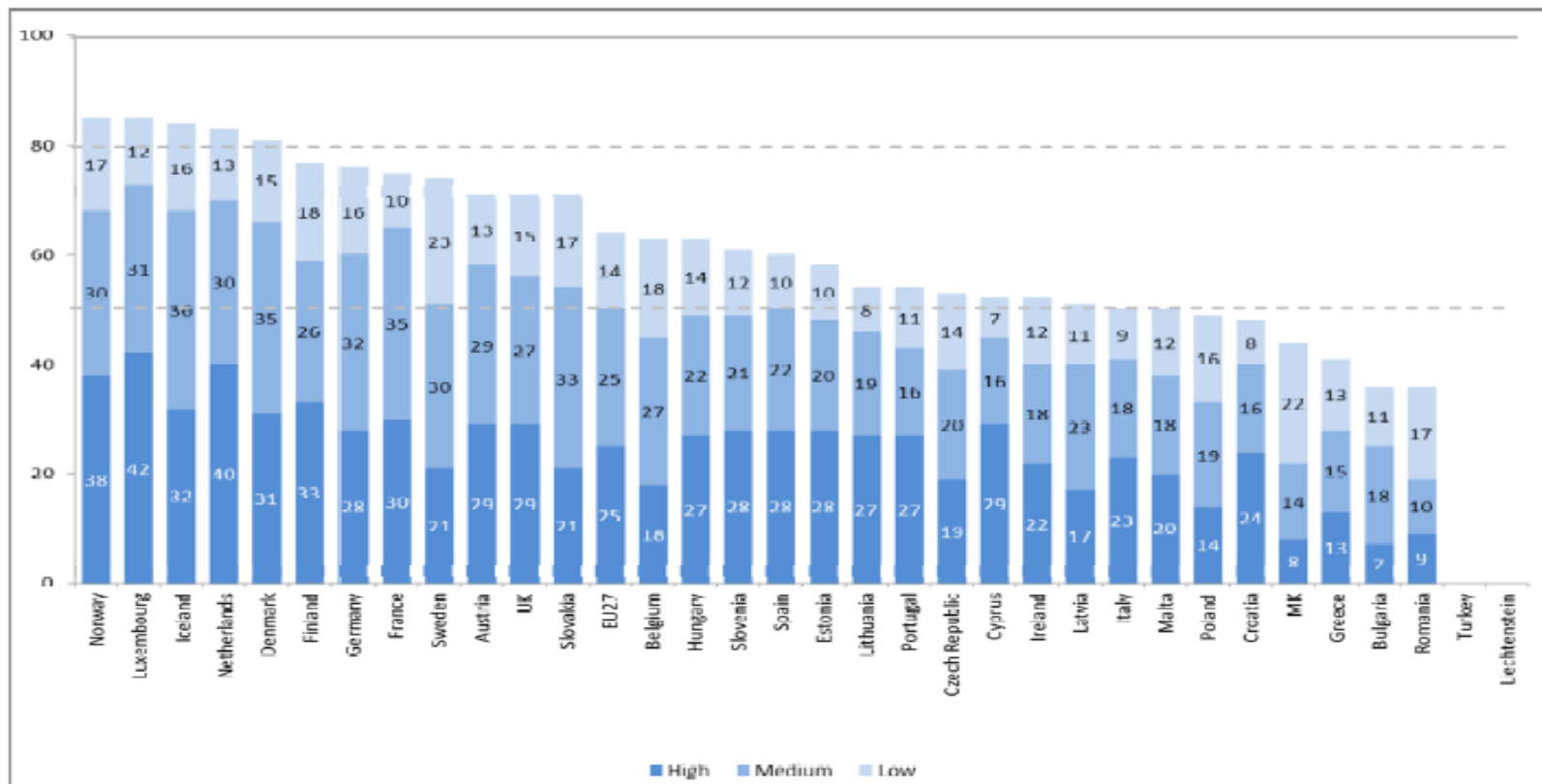
Participation of adults in lifelong learning in European countries

Percentage of the adult population aged 25 to 64 participating in education and training (2009)

Ressource: Eurostat (LFS database), May 2010



Level of computer skills in Europe, 2009



Percentage of individuals aged 16 to 74 with low, medium and high computer skills

Source: Eurostat. Information Society Statistics (data extraction: July 2010).

Sources and further data

Commission staff working document
**PROGRESS TOWARDS THE COMMON EUROPEAN
OBJECTIVES IN EDUCATION AND TRAINING
Indicators and benchmarks 2010/2011**

online available:

http://ec.europa.eu/education/lifelong-learning-policy/doc/report10/report_en.pdf

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