

trendence Graduate Barometer 2011 - Engineering Edition

Partner report prepared for

Universitatea "Babeş-Bolyai" din Cluj-Napoca



Contents

- 1. General information / methodology
- 2. Education and university evaluation
- 3. Career
- 4. Focus on Top Employers 2011
- 5. Profile



Methodology: trendence Graduate Barometer - European Edition

Global Information

Method: Online-questionnaire

Field phase: September 2010 to January 2011

Participation: Invitations via careers service email; anonymity assured; prize draw & donation

Analysis: Data analysis with statistical tools; MRS and ESOMAR codes and ISO 20252 observed

Student groups: Europe sample and various sub-groups analyzed, including students from Romania and

Universitatea "Babeş-Bolyai" din Cluj-Napoca

Media coverage: FAZ 06/2011

Response

	GBE 2009	GBE 2010	GBE 2011
Participating universities	779	859	1,077
Respondents	196,019	219,790	310,945

USPs

USPs of the trendence Graduate Barometer 2011:

- The trendence Graduate Barometer has grown to be the largest survey on career, education and employer topics in Europe. 1,077 institutions in 24 countries took part and 310,000 students answered the survey.
- The survey was conducted in the following countries: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.
- » The students were asked about their preferences and expectations in their future career, their satisfaction with their university, and the attractiveness of future employers.
- The main target group for the survey was business/economics and engineering/IT/natural science students, however, we are of course interested in hearing the opinions of all students. Therefore we have three editions of the trendence Graduate Barometer Partner Report: business, engineering and total (including students of all fields of study).

trendence Graduate Barometer 2011: participation



trendence Graduate Barometer 2011: participation (cont.)

Country	Answers
Austria	3.423
Belgium	2.915
Bulgaria	1.850
Czech Republic	3.906
Denmark	944
Finland	4.358
France	13.539
Germany	18.028
Greece	694
Hungary	9.209
Ireland	1.459
Italy	9.593

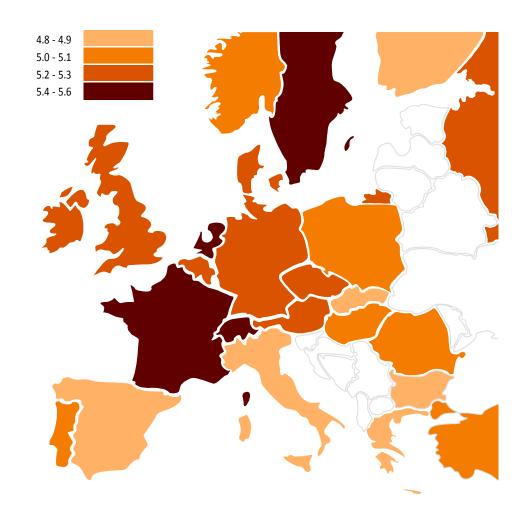
Country	Answers
Netherlands	1.488
Norway	331
Poland	6.169
Portugal	4.629
Romania	2.049
Russia	2.300
Slovakia	8.450
Spain	22.882
Sweden	1127
Switzerland	3.245
Turkey	2450
United Kingdom	3.818
Total	128.856
Universitatea "Babeş-Bolyai" din Cluj- Napoca	67

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Evaluation of university performance in Europe

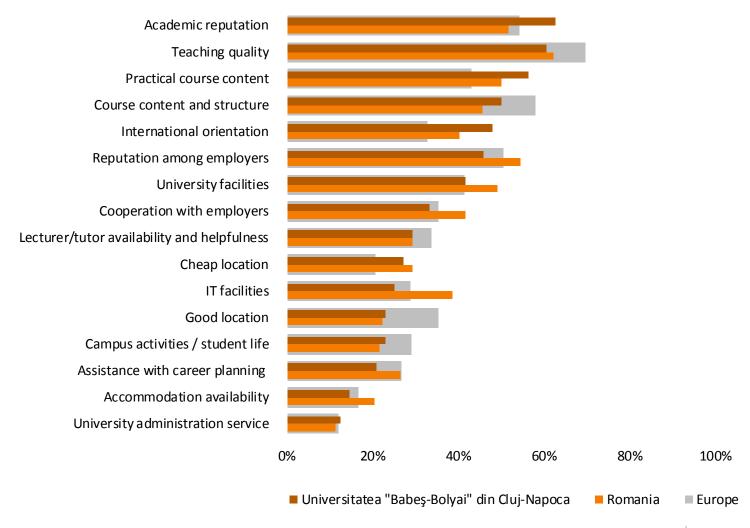


Evaluation of university performance in Europe (cont.)

Country	Satisfaction
Europe	5,1
Austria	5,2
Belgium	5,3
Bulgaria	4,9
Czech Republic	5,2
Denmark	5,3
Finland	4,8
France	5,4
Germany	5,2
Greece	4,9
Hungary	5,0
Ireland	5,2
Italy	4,9

Country	Satisfaction
Netherlands	5,5
Norway	5,0
Poland	5,1
Portugal	5,1
Romania	5,0
Russia	5,2
Slovakia	4,9
Spain	4,8
Sweden	5,5
Switzerland	5,6
Turkey	5,1
United Kingdom	5,2
Universitatea "Babeş-Bolyai" din Cluj-	5,0
Napoca	

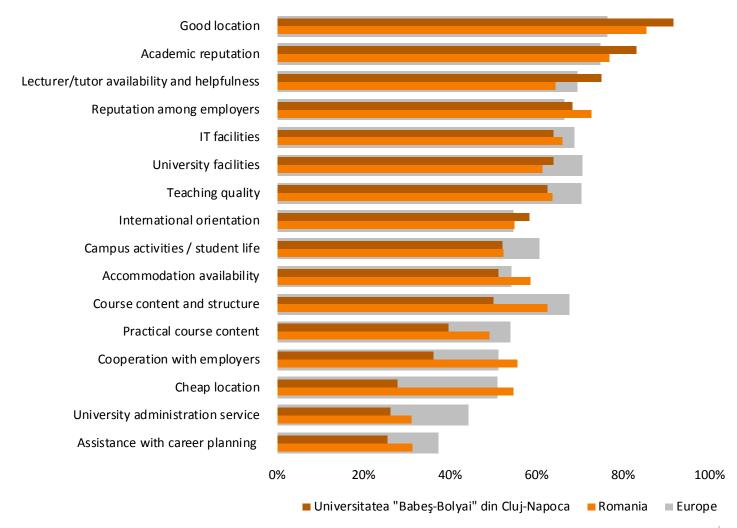
Important factors when choosing a university course



Important factors when choosing a university course (cont.)

Important factors	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Academic reputation	62,5%	51,7%	54,2%
Teaching quality	60,4%	62,1%	69,6%
Practical course content	56,3%	49,9%	43,0%
Course content and structure	50,0%	45,6%	57,9%
International orientation	47,9%	40,2%	32,7%
Reputation among employers	45,8%	54,4%	50,4%
University facilities	41,7%	49,1%	41,4%
Cooperation with employers	33,3%	41,7%	35,4%
Lecturer/tutor availability and helpfulness	29,2%	29,3%	33,7%
Cheap location	27,1%	29,3%	20,5%
IT facilities	25,0%	38,6%	28,7%
Good location	22,9%	22,3%	35,3%
Campus activities / student life	22,9%	21,5%	28,9%
Assistance with career planning	20,8%	26,4%	26,7%
Accommodation availability	14,6%	20,3%	16,7%
University administration service	12,5%	11,4%	12,0%

Evaluation of university performance

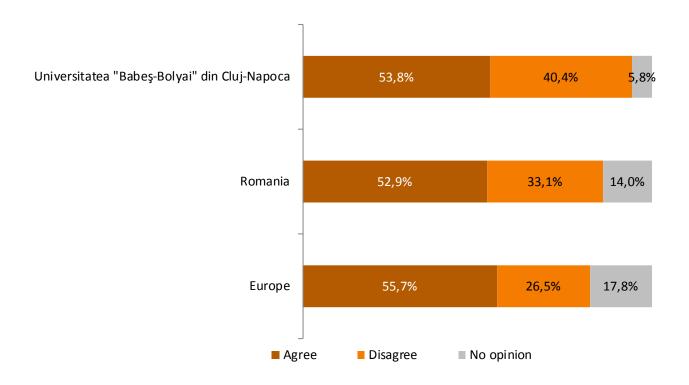


Evaluation of university performance (cont.)

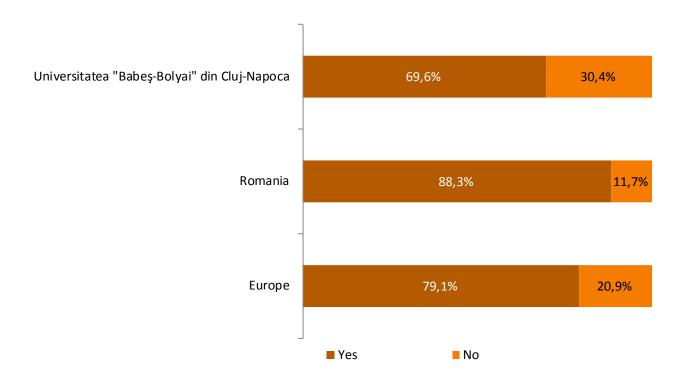
Satisfaction	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Good location	91,5%	85,4%	76,2%
Academic reputation	83,0%	76,7%	74,6%
Lecturer/tutor availability and helpfulness	75,0%	64,4%	69,3%
Reputation among employers	68,1%	72,7%	66,4%
IT facilities	63,8%	65,9%	68,6%
University facilities	63,8%	61,3%	70,6%
Teaching quality	62,5%	63,7%	70,3%
International orientation	58,3%	54,9%	54,7%
Campus activities / student life	52,1%	52,2%	60,6%
Accommodation availability	51,1%	58,6%	54,1%
Course content and structure	50,0%	62,4%	67,5%
Practical course content	39,6%	49,0%	53,8%
Cooperation with employers	36,2%	55,4%	51,1%
Cheap location	27,7%	54,5%	51,0%
University administration service	26,1%	31,0%	44,3%
Assistance with career planning	25,5%	31,2%	37,3%

Opinion

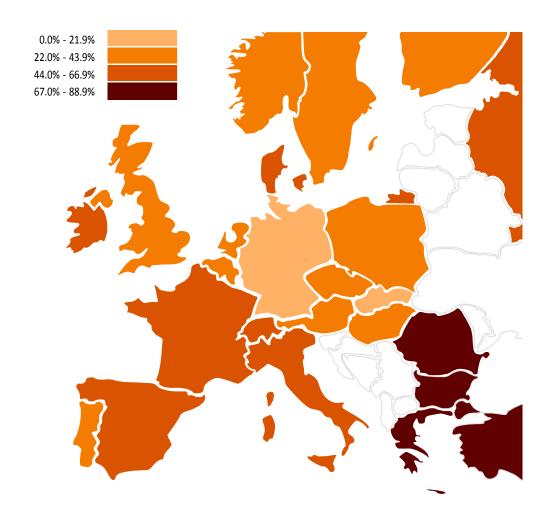
My university course provides me with the skills necessary for the labour market.



Use of university careers fair



Interest in studying a master course abroad

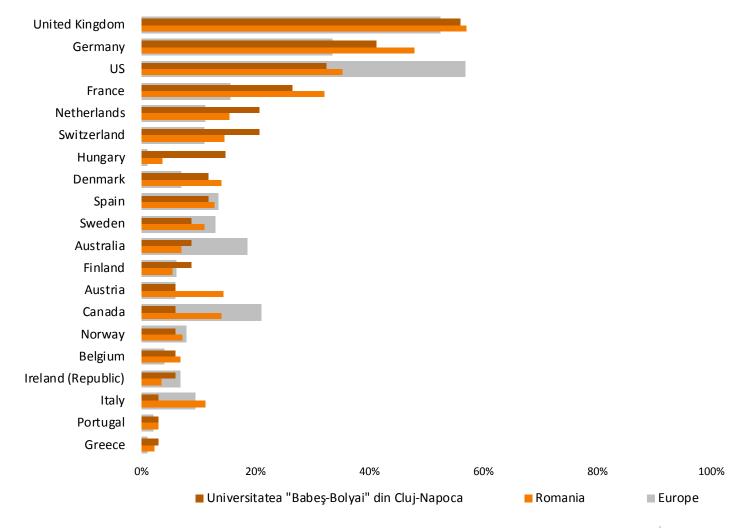


Interest in studying a master course abroad (cont.)

Country	%
Europe	50,5%
Austria	42,6%
Belgium	35,3%
Bulgaria	70,2%
Czech Republic	27,3%
Denmark	53,3%
Finland	30,2%
France	47,6%
Germany	0,0%
Greece	76,9%
Hungary	41,0%
Ireland	44,7%
Italy	54,8%

Country	%
Netherlands	34,9%
Norway	36,0%
Poland	39,7%
Portugal	43,9%
Romania	70,5%
Russia	64,8%
Slovakia	19,8%
Spain	60,1%
Sweden	43,4%
Switzerland	44,5%
Turkey	88,5%
United Kingdom	38,9%
Universitatea "Babeş-Bolyai" din Cluj-	70,8%
Napoca	70,070

Desired master course destination



Desired master course destination (cont.)

Master course destination	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
United Kingdom	55,9%	56,9%	52,4%
Germany	41,2%	47,8%	33,5%
US	32,4%	35,2%	56,8%
France	26,5%	32,0%	15,6%
Netherlands	20,6%	15,5%	11,2%
Switzerland	20,6%	14,6%	11,0%
Hungary	14,7%	3,7%	1,0%
Denmark	11,8%	14,0%	7,0%
Spain	11,8%	12,7%	13,4%
Sweden	8,8%	11,1%	12,9%
Australia	8,8%	7,0%	18,5%
Finland	8,8%	5,5%	6,2%
Austria	5,9%	14,3%	5,9%
Canada	5,9%	14,1%	21,0%
Norway	5,9%	7,1%	7,9%
Belgium	5,9%	6,8%	4,1%
Ireland (Republic)	5,9%	3,5%	6,8%
Italy	2,9%	11,2%	9,4%
Portugal	2,9%	3,0%	2,1%
Greece	2,9%	2,2%	1,1%

Students wanting to study a master course in Romania

Norway	1,3%
Hungary	1,2%
United Kingdom	1,0%
Portugal	0,7%
Turkey	0,7%
Greece	0,6%
Netherlands	0,6%
Poland	0,6%
France	0,5%
Czech Republic	0,4%
Ireland	0,4%
Spain	0,4%
Austria	0,3%
Belgium	0,3%
Denmark	0,3%
Russia	0,3%
Slovakia	0,3%
Bulgaria	0,2%
Finland	0,2%
Switzerland	0,2%
Italy	0,1%
Romania	0,0%
Sweden	0,0%

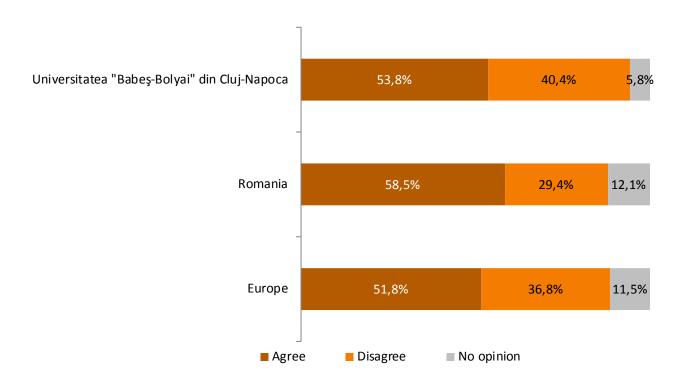
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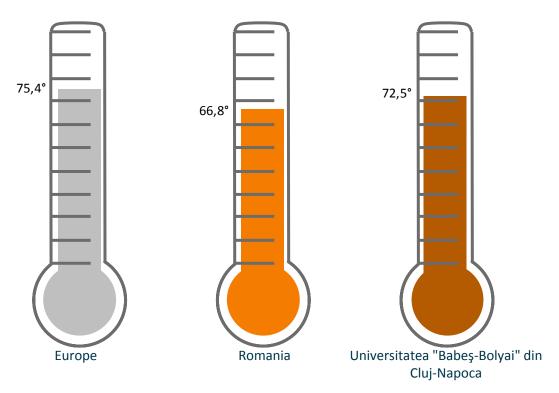


Opinion

I am worried about my future career



Optimism indicator

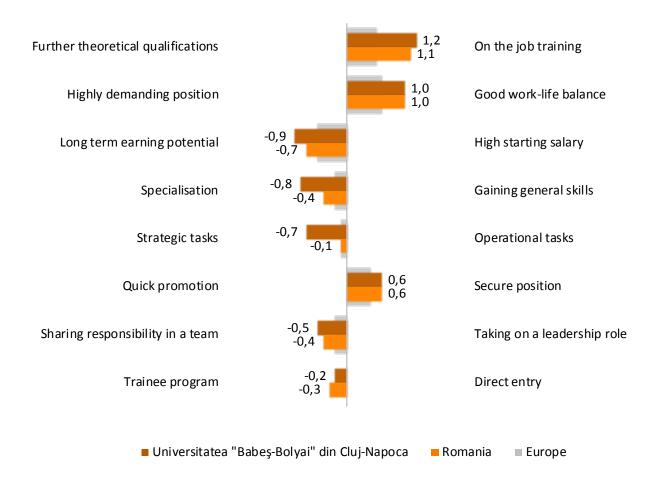


Question: How many APPLICATIONS do you expect to send (did you send) to find your first professional position? Question: How many MONTHS do you expect to need (did you require) to find your first professional position?

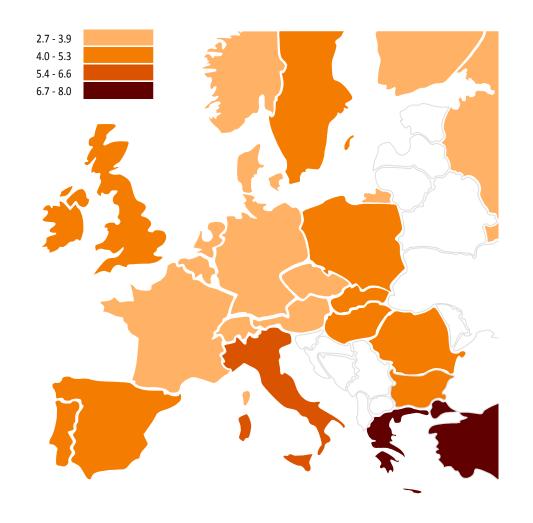
The trendence Optimism Index is an indicator for graduate confidence in relation to their job prospects. It has been calculated from two parameters, which have been chosen yearly as part of the evaluation of the job application process. 1) Number of anticipated applications. 2) Length of time it takes to get a job. The highest possible mark of 100 symbolises an "overheating" of the market: in such a market every graduate would find a position within the shortest of time and with minimal effort.

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Career priorities



Estimated timeframe to find first position

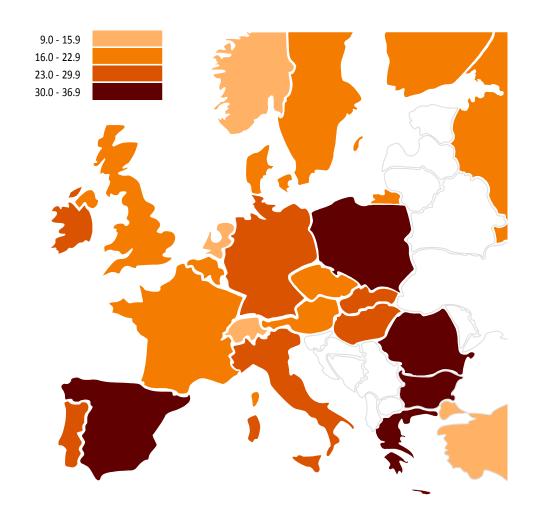


Estimated timeframe to find first position (cont.)

Country	Months
Europe	4,5
Austria	3,1
Belgium	3,3
Bulgaria	4,1
Czech Republic	3,7
Denmark	3,9
Finland	3,7
France	2,7
Germany	3,6
Greece	7,7
Hungary	4,7
Ireland	5,1
Italy	6,3

Country	Months
Netherlands	3,4
Norway	3,1
Poland	5,1
Portugal	4,2
Romania	4,7
Russia	2,8
Slovakia	4,6
Spain	5,0
Sweden	4,0
Switzerland	3,2
Turkey	8,0
United Kingdom	4,7
Universitatea "Babeş-Bolyai" din Cluj- Napoca	5,3

Estimated number of applications to find first position

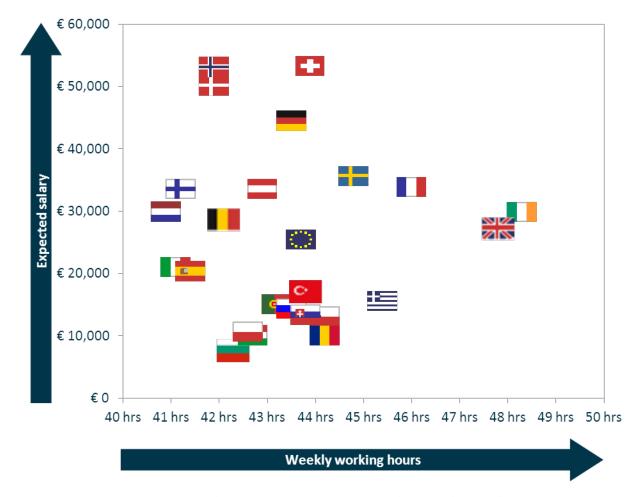


Estimated number of applications to find first position (cont.)

Country	Number of
	applications
Europe	24,6
Austria	20,3
Belgium	16,1
Bulgaria	30,1
Czech Republic	18,9
Denmark	22,6
Finland	20,3
France	20,7
Germany	23,2
Greece	31,8
Hungary	27,8
Ireland	27,6
Italy	24,6

Country	Number of applications
Netherlands	10,3
Norway	11,4
Poland	36,0
Portugal	25,0
Romania	33,8
Russia	16,2
Slovakia	26,0
Spain	30,2
Sweden	20,2
Switzerland	15,8
Turkey	9,0
United Kingdom	21,7
Universitatea "Babeş-Bolyai" din Cluj- Napoca	26,9

Expected gross annual salary / expected working hours relationship in Europe

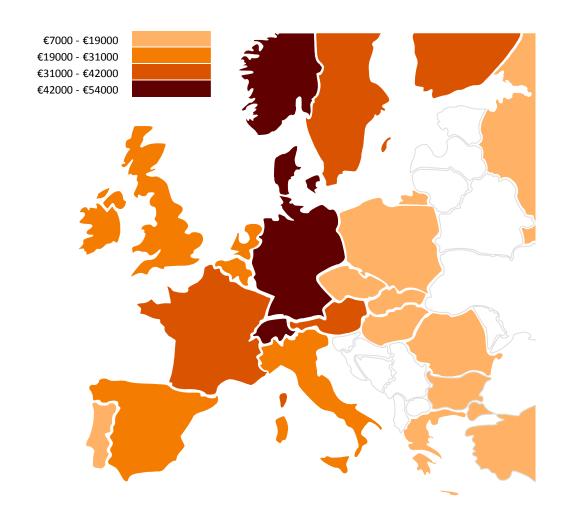


Question: How much do you expect to earn per year (gross income, including bonus) in your first professional position after graduation?

Question: How many hours are you prepared to work per week in your first professional position after graduation?



Expected gross annual salary

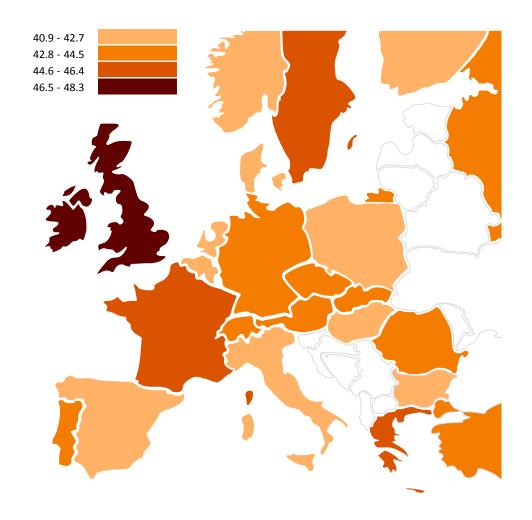


Expected gross annual salary (cont.)

Country	Expected income (Euros)
Europe	25.251,4€
Austria	33.388,1€
Belgium	28.540,5€
Bulgaria	7.552,5€
Czech Republic	12.938,0€
Denmark	49.942,0€
Finland	33.402,2€
France	33.711,3€
Germany	44.342,6€
Greece	15.423,5€
Hungary	9.950,7€
Ireland	29.743,3€
Italy	20.863,7€

Country	Expected income (Euros)
Netherlands	29.766,3€
Norway	52.956,9€
Poland	10.542,1€
Portugal	14.952,6€
Romania	9.869,1€
Russia	14.223,7€
Slovakia	13.237,1€
Spain	20.202,8€
Sweden	35.415,7€
Switzerland	53.114,7€
Turkey	17.009,9€
United Kingdom	27.056,6€
Universitatea "Babeş-Bolyai" din Cluj- Napoca	10.616,0€

Expected working hours

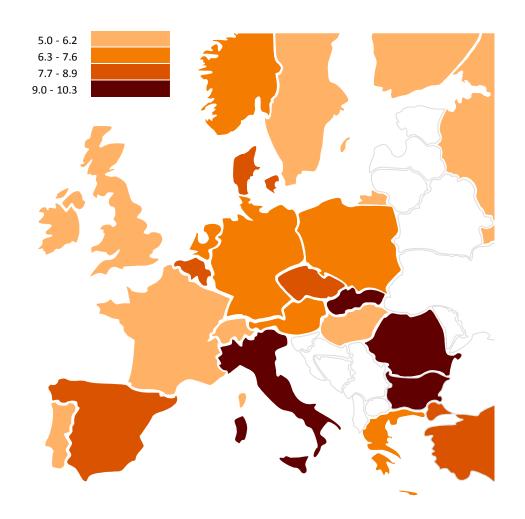


Expected working hours (cont.)

Country	Working
	hours
Europe	43,7
Austria	42,9
Belgium	42,1
Bulgaria	42,3
Czech Republic	44,2
Denmark	41,9
Finland	41,2
France	46,0
Germany	43,5
Greece	45,4
Hungary	42,7
Ireland	48,3
Italy	41,1

Country	Working hours
Netherlands	40,9
Norway	41,9
Poland	42,6
Portugal	43,2
Romania	44,2
Russia	43,5
Slovakia	43,8
Spain	41,4
Sweden	44,8
Switzerland	43,9
Turkey	43,8
United Kingdom	47,8
Universitatea "Babeş-Bolyai" din Cluj- Napoca	43,7

Expected time in first position



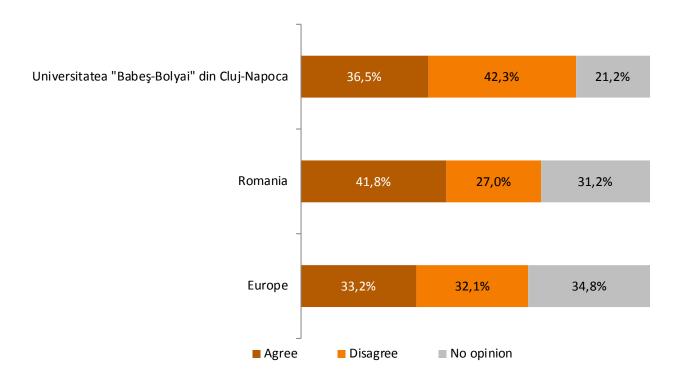
Expected time in first position (cont.)

Country	Years
Europe	7,1
Austria	6,6
Belgium	8,9
Bulgaria	10,3
Czech Republic	8,4
Denmark	7,9
Finland	5,7
France	5,2
Germany	6,8
Greece	7,5
Hungary	5,0
Ireland	5,3
Italy	9,5

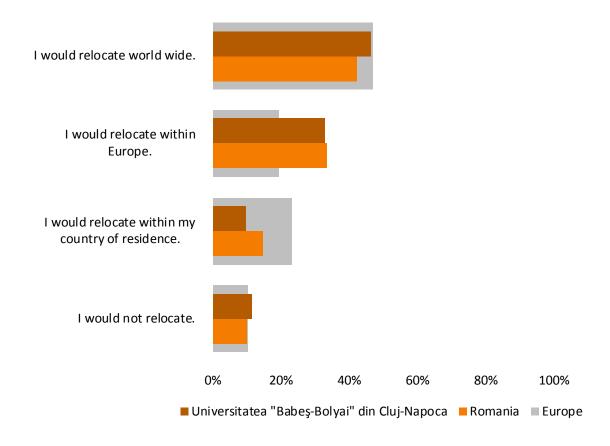
Country	Years
Netherlands	7,2
Norway	7,1
Poland	7,5
Portugal	6,2
Romania	9,3
Russia	5,2
Slovakia	9,2
Spain	7,9
Sweden	5,1
Switzerland	5,0
Turkey	7,7
United Kingdom	5,5
Universitatea "Babeş-Bolyai" din Cluj- Napoca	6,1

Opinion

After graduating I will leave my country to find a professional position abroad



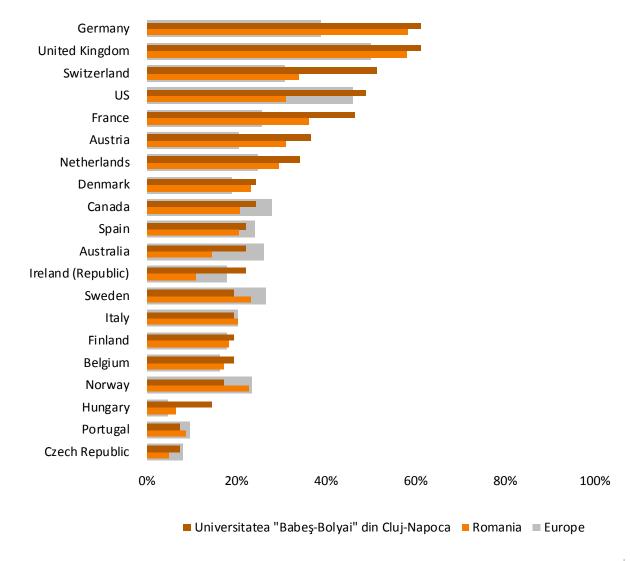
Mobility – willingness to relocate



Mobility – willingness to relocate (cont.)

Mobility	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
I would relocate world wide.	46,2%	42,1%	46,8%
I would relocate within Europe.	32,7%	33,3%	19,5%
I would relocate within my country of residence.	9,6%	14,7%	23,3%
I would not relocate.	11,5%	10,0%	10,3%

Mobility – emigration destination



Mobility – emigration destination (cont.)

Emigration destination	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Germany	61,0%	58,1%	38,8%
United Kingdom	61,0%	58,0%	49,9%
Switzerland	51,2%	34,0%	30,8%
US	48,8%	30,9%	46,0%
France	46,3%	36,2%	25,7%
Austria	36,6%	30,9%	20,5%
Netherlands	34,1%	29,4%	24,8%
Denmark	24,4%	23,2%	18,9%
Canada	24,4%	20,7%	27,8%
Spain	22,0%	20,6%	24,2%
Australia	22,0%	14,5%	26,0%
Ireland (Republic)	22,0%	11,0%	17,9%
Sweden	19,5%	23,3%	26,6%
Italy	19,5%	20,2%	20,2%
Finland	19,5%	18,4%	17,8%
Belgium	19,5%	17,2%	16,2%
Norway	17,1%	22,8%	23,5%
Hungary	14,6%	6,5%	4,6%
Portugal	7,3%	8,8%	9,5%
Czech Republic	7,3%	5,0%	8,0%

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Who are the most attractive employers in Europe?

Rang 201	1 Employer	Europe
1	Google	10,21%
2	Microsoft	8,62%
3	IBM	6,12%
4	Apple	6,07%
5	BMW	5,52%
6	Volkswagen Group	5,24%
7	Siemens	4,63%
8	EADS	4,05%
9	Intel	3,70%
10	Daimler/ Mercedes-Benz	3,63%

Who are the most attractive employers in Romania?

Rang 201:	L Employer	Romania
1	Microsoft	12,9%
2	Google	10,7%
3	Continental	9,9%
4	BMW	9,2%
5	Apple	9,1%
5	Dacia (incl. Renault)	9,1%
7	Nokia	9,0%
8	Mercedes-Benz	7,3%
9	Volkswagen Group (incl. Audi, SEAT, Škoda Auto)	6,8%
10	IBM	5,9%

Who are the most attractive employers at your university?

Rang 201	L1 Employer	Universitatea "Babeş-Bolyai" din Cluj-Napoca
1	Microsoft	34,0%
2	Google	24,5%
3	Apple	17,0%
3	Nokia	17,0%
5	L'Oréal	9,4%
5	Petrom (OMV)	9,4%
5	Siemens	9,4%
8	Adobe	7,5%
8	British Airways	7,5%
8	European Space Agency	7,5%

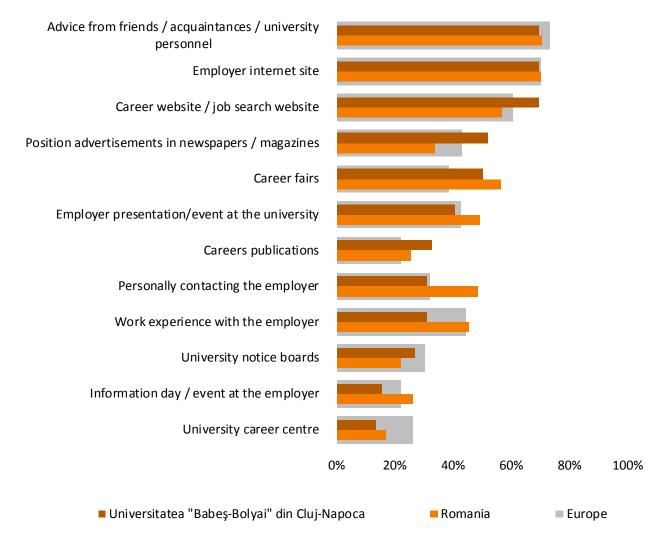
Who are the most active employers in Romania?

Rang 201	1 Employer	Romania
1	Continental	29,7%
2	Dacia (incl. Renault)	22,1%
3	Siemens	16,7%
4	Microsoft	12,7%
5	Nokia	11,9%
6	Alcatel-Lucent	9,8%
7	Orange	8,6%
8	Vodafone	7,2%
9	BRD - Groupe Société Générale	6,4%
10	RCS & RDS	5,0%

Who are the most active employers at your university?

Rang 203	11 Employer	Universitatea "Babeş-Bolyai" din Cluj-Napoca
1	Nokia	50,0%
2	Siemens	22,2%
3	Microsoft	16,7%
4	Carrefour	11,1%
4	Hewlett-Packard	11,1%
4	Vodafone	11,1%
7	Banca Comercială Română (Erste Bank)	8,3%
7	Continental	8,3%
7	IBM	8,3%
7	Lufthansa	8,3%

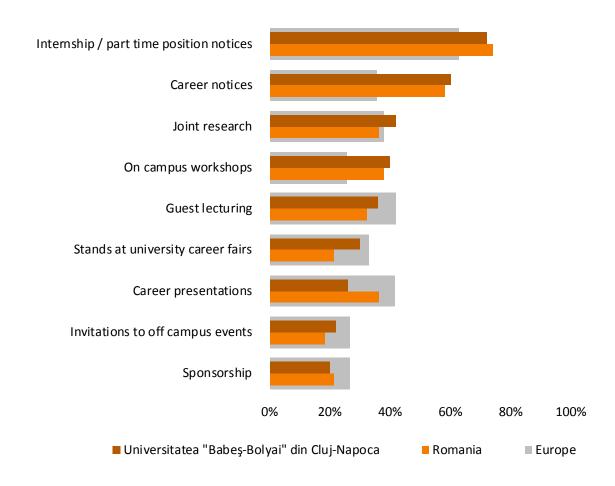
General communication channels used



General communication channels used (cont.)

General communications channels	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Advice from friends / acquaintances / university personnel	69,2%	70,5%	73,0%
Employer internet site	69,2%	70,1%	70,1%
Career website / job search website	69,2%	56,5%	60,6%
Position advertisements in newspapers / magazines	51,9%	33,7%	42,9%
Career fairs	50,0%	56,3%	38,5%
Employer presentation/event at the university	40,4%	49,0%	42,7%
Careers publications	32,7%	25,4%	22,2%
Personally contacting the employer	30,8%	48,4%	32,0%
Work experience with the employer	30,8%	45,4%	44,2%
University notice boards	26,9%	22,0%	30,2%
Information day / event at the employer	15,4%	26,2%	22,2%
University career centre	13,5%	16,8%	26,3%

Most appealing campus marketing activities



Most appealing campus marketing activities (cont.)

Campus marketing activities	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Internship / part time position notices	72,0%	74,1%	62,9%
Career notices	60,0%	58,0%	35,7%
Joint research	42,0%	36,4%	38,0%
On campus workshops	40,0%	38,0%	25,7%
Guest lecturing	36,0%	32,3%	41,9%
Stands at university career fairs	30,0%	21,5%	32,8%
Career presentations	26,0%	36,2%	41,5%
Invitations to off campus events	22,0%	18,4%	26,8%
Sponsorship	20,0%	21,2%	26,7%

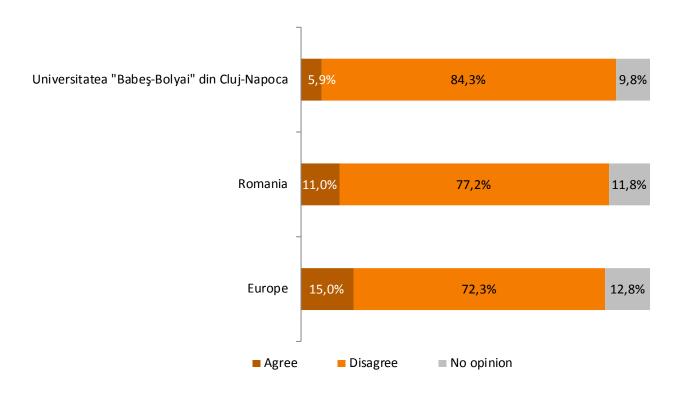
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Opinion

Students should pay for their tertiary education





Profile

Age and gender

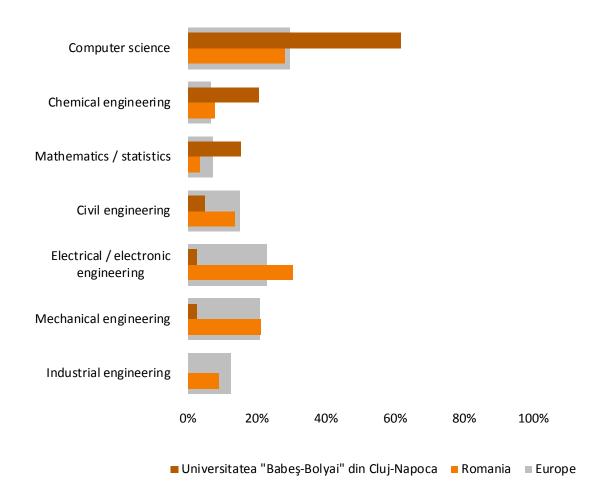
Age	Years
Europe	22,7
Romania	22,6
Universitatea "Babeş-Bolyai" din	22 C
Cluj-Napoca	22,6

Country	Male	Female
Europe	68,0%	32,0%
Austria	64,9%	35,1%
Belgium	73,3%	26,7%
Bulgaria	53,9%	46,1%
Czech Republic	61,1%	38,9%
Denmark	63,4%	36,6%
Finland	66,4%	33,6%
France	71,5%	28,5%
Germany	81,7%	18,3%
Greece	60,7%	39,3%
Hungary	69,6%	30,4%
Ireland (Republic)	63,2%	36,8%
Italy	67,0%	33,0%
Netherlands	68,8%	31,2%
Norway	79,9%	20,1%
Poland	68,6%	31,4%
Portugal	70,5%	29,5%
Romania	64,3%	35,7%
Russia	59,8%	40,2%
Slovakia	73,6%	26,4%
Spain	67,5%	32,5%
Sweden	67,6%	32,4%
Switzerland	74,6%	25,4%
Turkey	71,0%	29,0%
United Kingdom	57,1%	42,9%
Universitatea "Babeş-Bolyai" din Cluj-Napoca	49,2%	50,8%

Question: How old are you?

Question: You are... (a man / a woman?)

Profile (cont.) Subjects

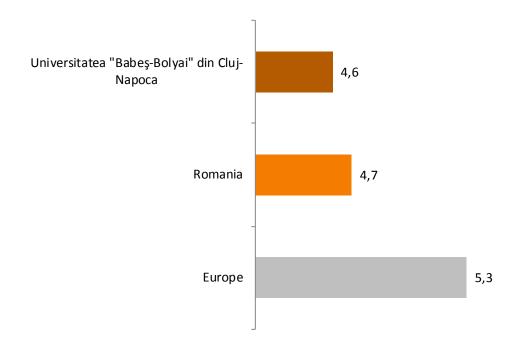


Subjects (cont.)

Subjects	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Computer science	61,5%	28,1%	29,6%
Chemical engineering	20,5%	7,8%	6,7%
Mathematics / statistics	15,4%	3,4%	7,3%
Civil engineering	5,1%	13,6%	15,1%
Electrical / electronic engineering	2,6%	30,3%	22,9%
Mechanical engineering	2,6%	21,2%	20,9%
Industrial engineering	0,0%	8,9%	12,4%

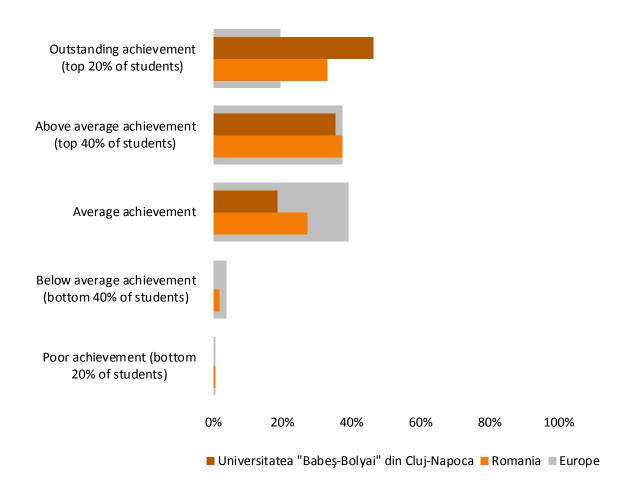


Length of education





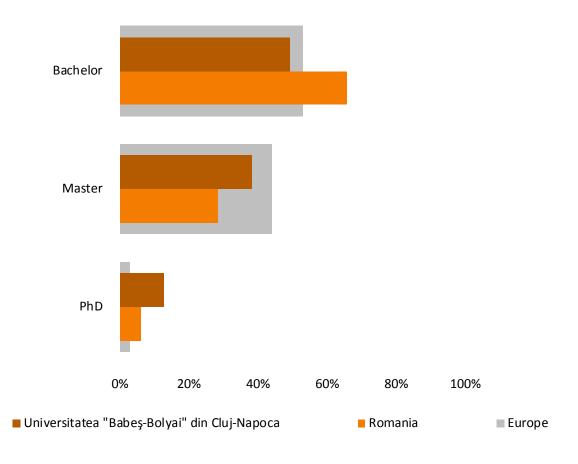
Academic achievement



Academic achievement (cont.)

Academic achievement	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Outstanding achievement (top 20% of students)	46,3%	33,0%	19,3%
Above average achievement (top 40% of students)	35,2%	37,4%	37,4%
Average achievement	18,5%	27,2%	39,0%
Below average achievement (bottom 40% of students)	0,0%	1,9%	3,7%
Poor achievement (bottom 20% of students)	0,0%	0,5%	0,7%

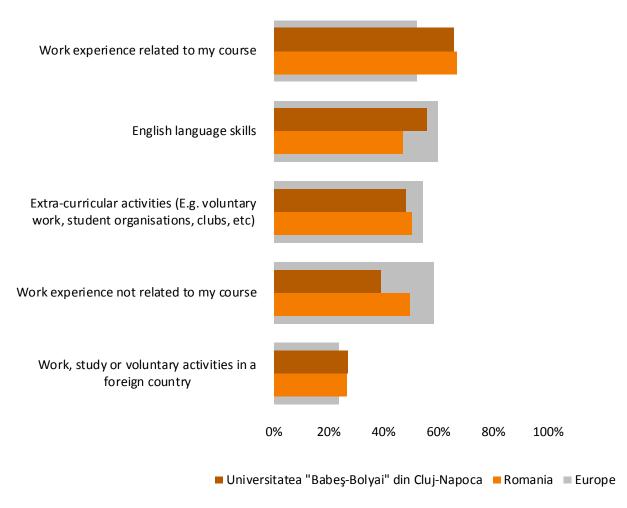
Course type



Profile (cont.) Course type (cont.)

Universitatea "Babeş-Bolyai" din Course type Romania Europe Cluj-Napoca Bachelor 49,2% 65,7% 52,9% Master 38,1% 28,3% 44,1% PhD 12,7% 6,0% 2,9%

Experiences and advanced english skills



Question: What experience s(of at least 3 months length) do you have?

Question: Do you speak English at a HIGHLY ADVANCED LEVEL? In this sense 'highly advanced level' means that you can speak, write and understand the language without any difficulties. I.e. You are fluent, have a large vocabulary and make very few grammatical errors.



Experiences and advanced english skills (cont.)

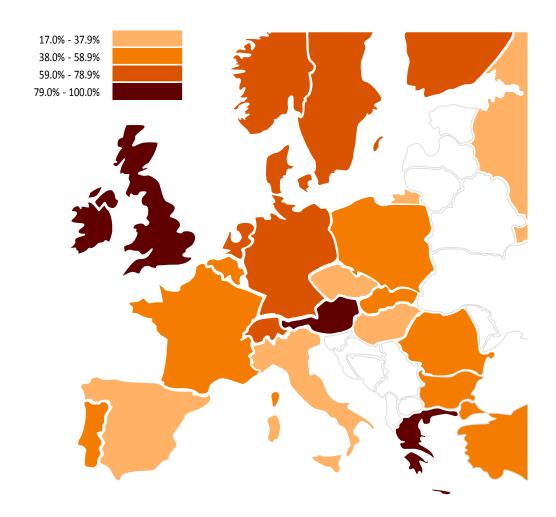
Experiences	Universitatea "Babeş-Bolyai" din Cluj-Napoca	Romania	Europe
Work experience related to my course	65,4%	66,7%	51,9%
English language skills	55,8%	46,9%	59,7%
Extra-curricular activities (E.g. voluntary work, student organisations, clubs, etc)	48,0%	50,1%	54,1%
Work experience not related to my course	38,8%	49,5%	58,4%
Work, study or voluntary activities in a foreign country	27,1%	26,7%	23,5%

Question: What experience s(of at least 3 months length) do you have?

Question: Do you speak English at a HIGHLY ADVANCED LEVEL? In this sense 'highly advanced level' means that you can speak, write and understand the language without any difficulties. I.e. You are fluent, have a large vocabulary and make very few grammatical errors.



Advanced english skills in Europe



Advanced english skills in Europe (cont.)

Country	%
Europe	59,7%
Austria	80,5%
Belgium	50,6%
Bulgaria	39,7%
Czech Republic	29,4%
Denmark	77,7%
Finland	72,7%
France	48,9%
Germany	67,1%
Greece	82,8%
Hungary	17,1%
Ireland	100,0%
Italy	30,2%

Country	%
Netherlands	59,9%
Norway	75,0%
Poland	53,3%
Portugal	56,9%
Romania	46,9%
Russia	24,8%
Slovakia	53,4%
Spain	29,7%
Sweden	69,2%
Switzerland	66,4%
Turkey	42,3%
United Kingdom	100,0%
Universitatea "Babeş-Bolyai" din Cluj- Napoca	55,8%

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