



REPORT

partner in charge Varna Free University

date April, 2014

location Bulgaria

*participants** Varna Free University Team

type of report Regional report - Bulgaria and Romania

**In attachment the registration signature*

1. Objectives and general description of the activity

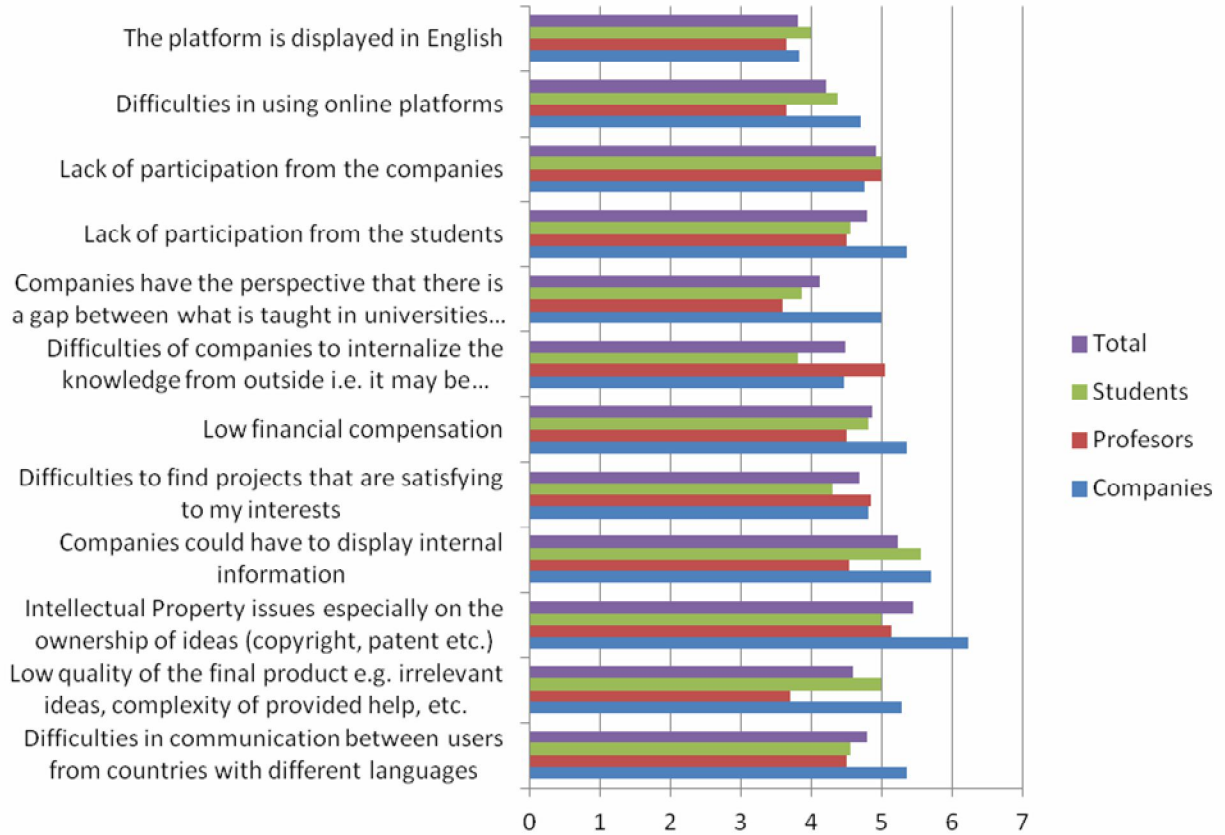
The following report presents the results from Bulgarian (Students, Professors and Companies) and Romania (only companies) questionnaires. The results are displayed in bar graphics on pages 2 to 5 as follows – Obstacles, Incentives, Projects and Challenges, Platforms, Platform functions. The conclusions on each topic are shown on pages 6 to 9. The results are summarized in tables on pages 10 to 14.



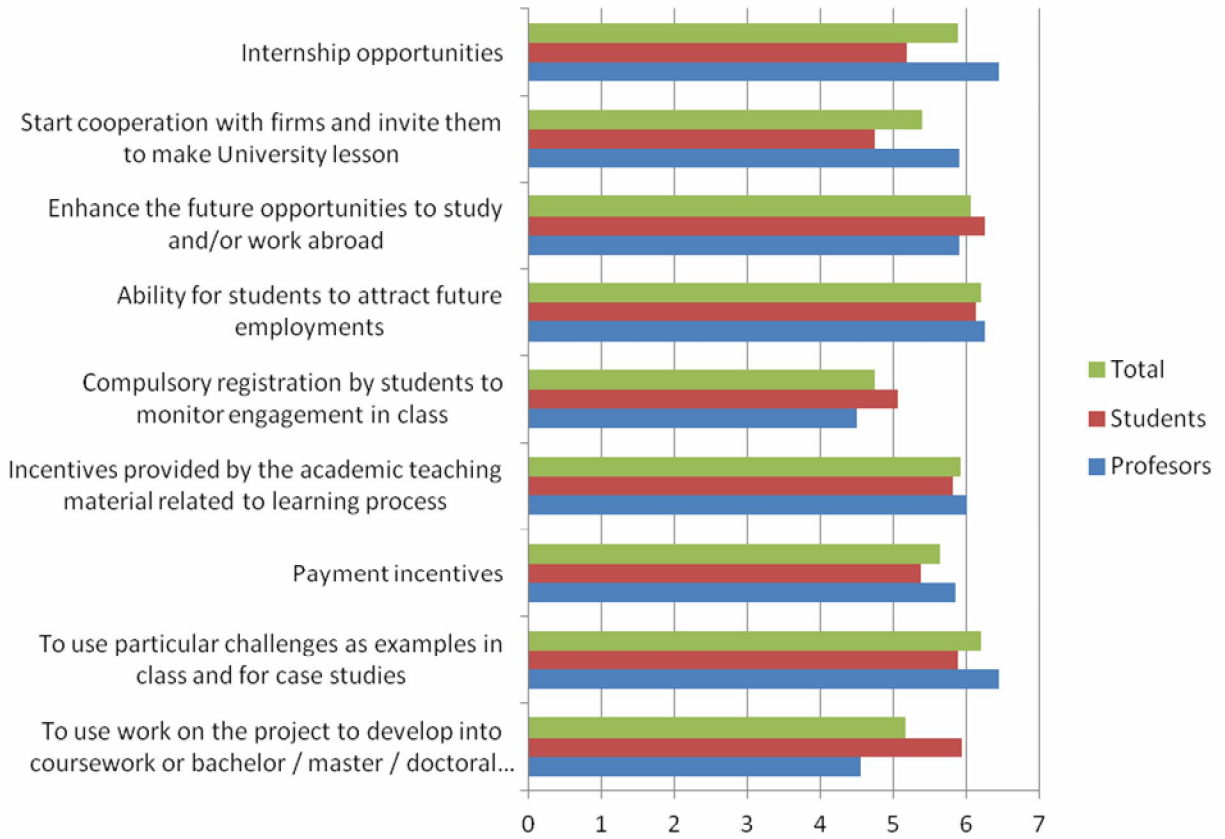
With the support of the *Lifelong Learning Programme* of the European Union.

This project has been funded with support from the European Commission. This communication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

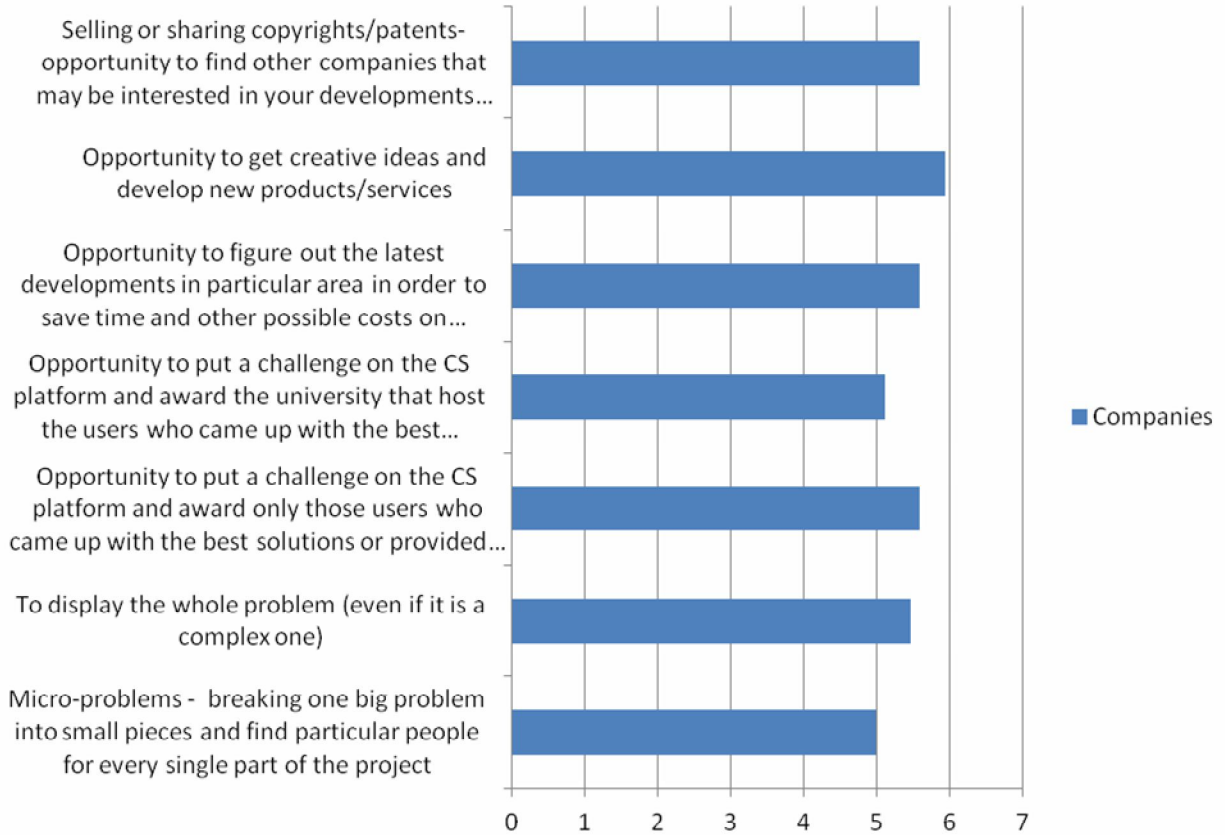
OBSTACLES



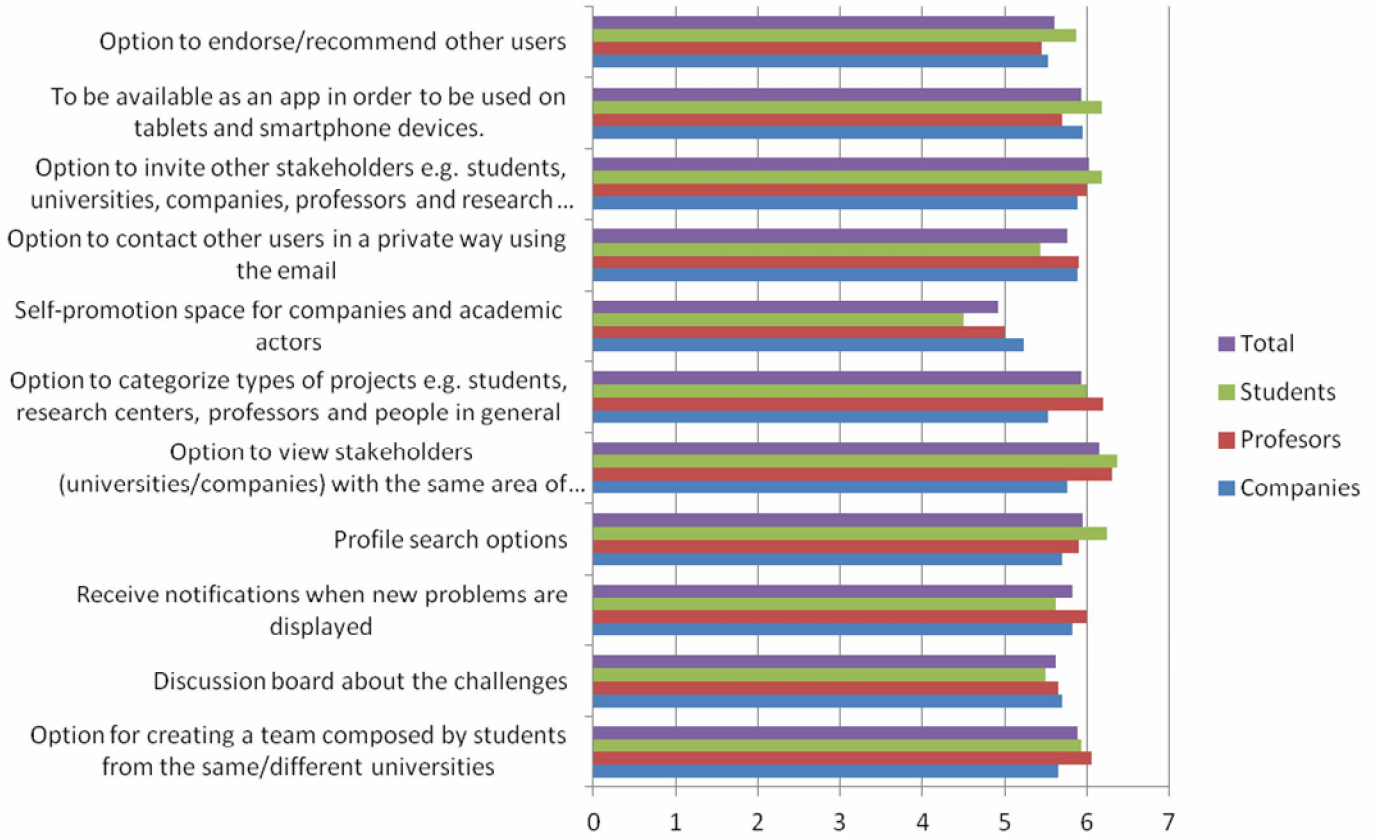
INCENTIVES



PROJECTS AND CHALANGES



PLATFORM FUNCTIONS



The 3 main opportunities are:

FOR STUDENTS

1. Creating contacts with stakeholders e.g. companies/academics/communities/students/research centers.
2. The opportunity for additional income (bonus on the salary; financial reward)
3. To transfer scientific knowledge into practice, by developing research projects based on the companies' problems

FOR PROFESSORS

1. Creating contacts with stakeholders e.g. companies/academics/communities/students/research centers.
2. Opportunity to access to the knowledge developed inside the Universities across Europe
3. New ideas for research opportunities

FOR COMPANIES

1. To transfer scientific knowledge into practice, by developing research projects based on the companies' problems
2. Creating contacts with stakeholders e.g. companies/academics/communities/students/research centers.
3. 3 Raising your knowledge after you have solved the problem

FOR ALL (STUDENTS, PROFESSORS and COMPANIES)

1. Creating contacts with stakeholders e.g. companies/academics/communities/students/research centers.
2. To transfer scientific knowledge into practice, by developing research projects based on the companies' problems
3. Opportunity to access to the knowledge developed inside the Universities across Europe

The 3 main obstacles are:

FOR STUDENTS

1. Companies could have to display internal information
2. Low quality of the final product e.g. irrelevant ideas, complexity of provided help, etc.
3. Intellectual Property issues especially on the ownership of ideas (copyright, patent etc.)

FOR PROFESSORS

1. Intellectual Property issues especially on the ownership of ideas (copyright, patent etc.)
2. Difficulties of companies to internalize the knowledge from outside i.e. it may be difficult for companies to implement external help/ideas/assistance/etc.
3. Lack of participation from the companies

FOR COMPANIES

1. Intellectual Property issues especially on the ownership of ideas (copyright, patent etc.)
2. Companies could have to display internal information
3. Difficulties in communication between users from countries with different languages

FOR ALL (STUDENTS, PROFESSORS and COMPANIES)

1. Intellectual Property issues especially on the ownership of ideas (copyright, patent etc.)
2. Companies could have to display internal information
3. Lack of participation from the companies

The 3 main incentives are:

FOR STUDENTS

1. Enhance the future opportunities to study and/or work abroad
2. Ability for students to attract future employments
3. To use work on the project to develop into coursework or bachelor / master / doctoral thesis

FOR PROFESSORS

1. To use particular challenges as examples in class and for case studies
2. Internship opportunities

3. Ability for students to attract future employments

FOR ALL (STUDENTS and PROFESSORS)

1. To use particular challenges as examples in class and for case studies
2. Ability for students to attract future employments
3. Enhance the future opportunities to study and/or work abroad

The 3 main projects and challenges are:

FOR COMPANIES

1. Opportunity to get creative ideas and develop new products/services
2. Opportunity to figure out the latest developments in particular area in order to save time and other possible costs on "wheel reinvention"
3. Opportunity to put a challenge on the CS platform and award only those users who came up with the best solutions or provided the exactly required help/assistance/advice/etc.

The 3 main platform functions are:

FOR STUDENTS

1. Option to view stakeholders (universities/companies) with the same area of interests Projects that are satisfying my scientific fields
2. Profile search options
3. Option to invite other stakeholders e.g. students, universities, companies, professors and research centers

FOR PROFESSORS

1. Option to view stakeholders (universities/companies) with the same area of interests Projects that are satisfying my scientific fields
2. Option to categorize types of projects e.g. students, research centers, professors and people in general
3. Option for creating a team composed by students from the same/different universities

FOR COMPANIES

1. To be available as an app in order to be used on tablets and smartphone devices.

2. Option to contact other users in a private way using the email
3. Option to invite other stakeholders e.g. students, universities, companies, professors and research centers

FOR ALL (STUDENTS, PROFESSORS and COMPANIES)

1. Option to view stakeholders (universities/companies) with the same area of interests Projects that are satisfying my scientific fields
2. Option to invite other stakeholders e.g. students, universities, companies, professors and research centers
3. Profile search options

OPPORTUNITIES

Who are you?		Creating contacts with stakeholders e.g. companies/academics/communities/students/research centers.	The opportunity for additional income (bonus on the salary; financial reward)	Reputation-peer & colleagues recognition	To transfer scientific knowledge into practice, by developing research projects based on the companies' problems	The satisfaction of solving of a problem or receiving a solution for your problem	Possibility to attract future employees/employer or opportunity to obtain internship	Raising your knowledge after you have solved the problem	Contact with the real working world problems	To adjust the curriculum to the companies' needs	Opportunity to explore the latest technologies developed by researchers and presented on the profile	New ideas for research opportunities	Opportunity to access to the knowledge developed inside the Universities across Europe
Students	Mean	5.94	5.81	5.19	5.75	5.19	4.75	5.31	5.38	5.63	5.13	5.50	5.38
	N	16	16	16	16	16	16	16	16	16	16	16	16
	Std. Deviation	1.289	1.721	2.007	1.000	1.515	2.206	2.387	2.306	1.455	2.217	1.789	2.277
Professors	Mean	6.25	5.55	5.80	6.15	4.95	5.35	6.05	6.15	5.65	5.70	6.20	6.20
	N	20	20	20	20	20	20	20	20	20	20	20	20
	Std. Deviation	.967	1.432	1.005	1.040	2.502	1.461	.945	1.040	1.424	1.559	1.105	1.005
Companies	Mean	6.18	5.06	4.53	6.24	4.82	5.53	5.65	4.18	4.59	5.53	4.82	5.53
	N	17	17	17	17	17	17	17	17	17	17	17	17
	Std. Deviation	.728	2.076	2.552	.752	2.186	1.700	1.115	2.430	2.347	.717	2.243	1.281
Total	Mean	6.13	5.47	5.21	6.06	4.98	5.23	5.70	5.28	5.30	5.47	5.55	5.74
	N	53	53	53	53	53	53	53	53	53	53	53	53
	Std. Deviation	1.001	1.739	1.955	.949	2.108	1.783	1.564	2.107	1.814	1.588	1.803	1.583

OBSTACLES

Who are you?		Difficulties in communication between users from countries with different languages	Low quality of the final product e.g. irrelevant ideas, complexity of provided help, etc.	Intellectual Property issues especially on the ownership of ideas (copyright, patent etc.)	Companies could have to display internal information	Difficulties to find projects that are satisfying to my interests	Low financial compensation	Difficulties of companies to internalize the knowledge from outside i.e. it may be difficult for companies to implement external help/ideas/assistance/etc.	Companies have the perspective that there is a gap between what is taught in universities and what is useful for	Lack of participation from the students	Lack of participation from the companies	Difficulties in using online platforms	The platform is displayed in English
Students	Mean	4.56	5.00	5.00	5.56	4.31	4.81	3.81	3.88	4.56	5.00	4.38	4.00
	N	16	16	16	16	16	16	16	16	16	16	16	16
	Std. Deviation	2.128	1.211	1.414	1.031	1.537	1.471	1.974	2.306	1.861	1.966	2.094	2.221
Professors	Mean	4.50	3.70	5.15	4.55	4.85	4.50	5.05	3.60	4.50	5.00	3.65	3.65
	N	20	20	20	20	20	20	20	20	20	20	20	20
	Std. Deviation	2.090	2.273	2.183	1.849	1.496	2.065	1.932	2.280	2.283	2.294	2.390	2.159
Companies	Mean	5.35	5.29	6.24	5.71	4.82	5.35	4.47	5.00	5.35	4.76	4.71	3.82
	N	17	17	17	17	17	17	17	17	17	17	17	17
	Std. Deviation	1.498	1.160	.903	1.359	1.845	1.835	1.625	1.732	1.730	1.855	1.795	1.879
Total	Mean	4.79	4.60	5.45	5.23	4.68	4.87	4.49	4.13	4.79	4.92	4.21	3.81
	N	53	53	53	53	53	53	53	53	53	53	53	53
	Std. Deviation	1.935	1.801	1.693	1.552	1.615	1.830	1.887	2.175	1.994	2.027	2.134	2.057

INCENTIVES

Who are you?		To use work on the project to develop into coursework or bachelor / master / doctoral thesis	To use particular challenges as examples in class and for case studies	Payment incentives	Incentives provided by the academic teaching material related to learning process	Compulsory registration by students to monitor engagement in class	Ability for students to attract future employments	Enhance the future opportunities to study and/or work abroad	Start cooperation with firms and invite them to make University lesson	Internship opportunities
Students	Mean	5.94	5.88	5.38	5.81	5.06	6.13	6.25	4.75	5.19
	N	16	16	16	16	16	16	16	16	16
	Std. Deviation	1.181	1.310	2.094	1.167	1.611	.957	1.125	2.352	2.344
Professors	Mean	4.55	6.45	5.85	6.00	4.50	6.25	5.90	5.90	6.45
	N	20	20	20	20	20	20	20	20	20
	Std. Deviation	3.052	.686	1.461	1.124	2.306	1.446	1.744	1.373	.945
Total	Mean	5.17	6.19	5.64	5.92	4.75	6.19	6.06	5.39	5.89
	N	36	36	36	36	36	36	36	36	36
	Std. Deviation	2.478	1.037	1.759	1.131	2.020	1.238	1.492	1.931	1.801

PROJECTS AND CHALLENGES

Who are you?		Micro-problems - breaking one big problem into small pieces and find particular people for every single part of the project	To display the whole problem (even if it is a complex one)	Opportunity to put a challenge on the CS platform and award only those users who came up with the best solutions or provided the exactly required help/assistance/advice/etc.	Opportunity to put a challenge on the CS platform and award the university that host the users who came up with the best solutions	Opportunity to figure out the latest developments in particular area in order to save time and other possible costs on "wheel reinvention"	Opportunity to get creative ideas and develop new products/services	Selling or sharing copyrights/patents-opportunity to find other companies that may be interested in your developments and continue
Companies	Mean	5.00	5.47	5.59	5.12	5.59	5.94	5.59
	N	17	17	17	17	17	17	17
	Std. Deviation	1.458	1.125	1.176	1.364	1.064	.899	1.176
Total	Mean	5.00	5.47	5.59	5.12	5.59	5.94	5.59
	N	17	17	17	17	17	17	17
	Std. Deviation	1.458	1.125	1.176	1.364	1.064	.899	1.176

PLATFORM FUNCTIONS

Who are you?		Option for creating a team composed by students from the same/different universities	Discussion board about the challenges	Receive notifications when new problems are displayed	Profile search options	Option to view stakeholders (universities/companies) with the same area of interests Projects that are satisfying my scientific fields	Option to categorize types of projects e.g. students, research centers, professors and people in general	Self-promotion space for companies and academic actors	Option to contact other users in a private way using the email	Option to invite other stakeholders e.g. students, universities, companies, professors and research centers	To be available as an app in order to be used on tablets and smartphone devices.	Option to endorse/recommend other users
Students	Mean	5.94	5.50	5.63	6.25	6.38	6.00	4.50	5.44	6.19	6.19	5.88
	N	16	16	16	16	16	16	16	16	16	16	16
	Std. Deviation	.854	1.751	1.310	1.291	.885	1.265	2.191	1.788	.911	1.276	1.586
Professors	Mean	6.05	5.65	6.00	5.90	6.30	6.20	5.00	5.90	6.00	5.70	5.45
	N	20	20	20	20	20	20	20	20	20	20	20
	Std. Deviation	1.276	1.226	1.338	1.165	.865	.834	1.974	1.071	.918	1.689	1.932
Companies	Mean	5.65	5.71	5.82	5.71	5.76	5.53	5.24	5.88	5.88	5.94	5.53
	N	17	17	17	17	17	17	17	17	17	17	17
	Std. Deviation	1.320	1.160	.883	1.359	1.091	1.007	1.147	.781	1.054	.899	1.463
Total	Mean	5.89	5.62	5.83	5.94	6.15	5.92	4.92	5.75	6.02	5.92	5.60
	N	53	53	53	53	53	53	53	53	53	53	53
	Std. Deviation	1.171	1.362	1.189	1.262	.969	1.053	1.817	1.254	.951	1.342	1.668