



# **ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL**

## **COLLEGE OF ELECTRICAL AND COMPUTING ENGINEERING**

### **Results of Computer Science Alumni Follow-up Surveys**

#### **Years of graduation:**

2013, 2016, 2017

#### **Created by:**

Computer Science Coordination Alumni follow-up

# Results of Computer Science Alumni Follow-up Surveys

## Objectives:

- Report the results of the alumni follow-up surveys of the years 2013, 2016 and 2017.
- Display information that could be useful for the coordination of the program according to the activities alumni participate.

## Introduction:

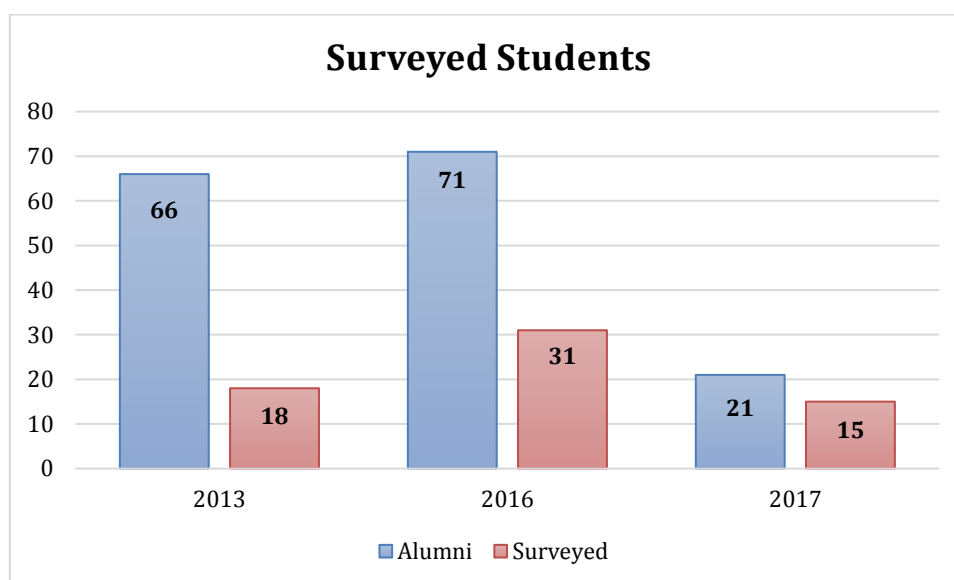
Escuela Superior Politécnica del Litoral, through CEPROEM and the Alumni Follow-up programs coordinators surveyed the alumni of 2013, 2016 and 2017 using CEPROEM's form. The objective of the survey is to evaluate the results according to the Educational Objectives and Student Outcomes of each program, making it possible to know the current situation of the alumni required for the CEAACES Accreditation Process (national accreditation). The students were contacted through email campaigns that contained the link of the survey.

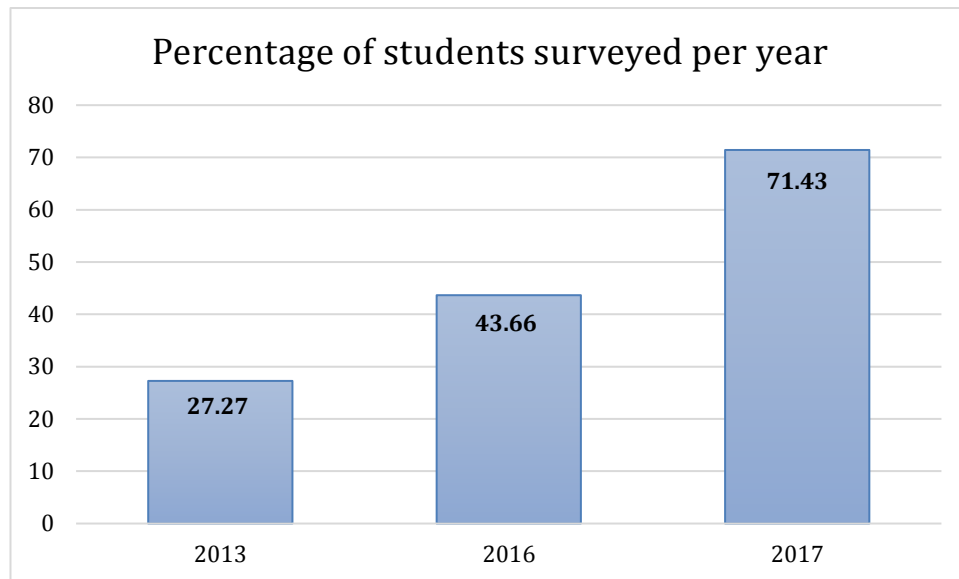
## Obtained Results

### 1. Students who answered the survey

Percentage of students who responded to the survey

	Alumni	Surveyed	Percentage Response
2013	66	18	27.27
2016	71	31	43.66
2017	21	15	71.43





The 2013 alumni were the least responsive to the survey. The 2016 graduates were better received, while the majority of the 2017 graduates answered the survey providing more information.

## 2. Results about the employment alumni status.

We observe that none of the alumni surveyed receive a salary lower than \$ 375.

The 2013 alumni receive salaries between \$ 701 and more than \$ 2000.

- 3 alumni receive an income between \$ 701 and \$ 1000.
- (Majority) 7 alumni receive an income between \$ 1001 and \$ 1500.
- 4 alumni receive an income between \$ 1501 and \$ 2000.
- 3 alumni receive an income greater than \$ 2000.

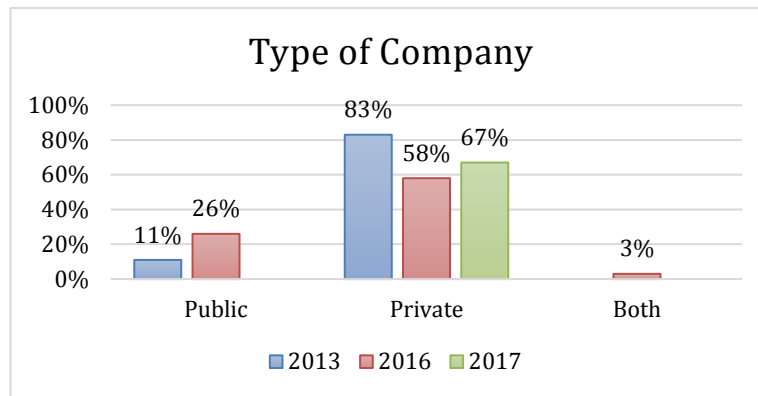
The salary of 2016 alumni varies between \$ 376 to \$ 2000.

- 4 alumni receive an income between \$ 376 and \$ 700.
- (Majority) 25 alumni receive an income between \$ 701 and \$ 1500.
- 2 alumni receive an income between \$ 1501 to \$ 1500.

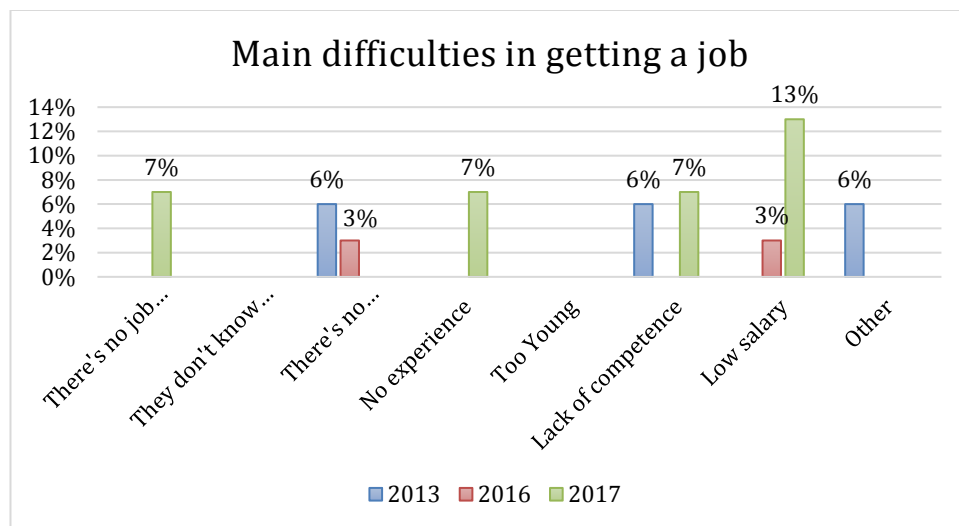
On the other hand, the salary of 2017 alumni earns from \$ 701 to more than \$ 2000.

- 3 alumni receive an income between \$ 701 and \$ 1000.
- (Majority) 7 alumni receive an income between \$ 1001 and \$ 1500.
- 4 alumni receive an income between \$ 1501 and \$ 2000.
- 3 alumni receive an income greater than \$ 2000.

In the next section, we want to know in which 'Type of company' our alumni work. From 2013 alumni, 11% work in the public sector while 83% work in the private sector. From 2016 alumni, 26% work in the public sector, 58% in the private sector and 3% in the mixed sector. While 2017 alumni, 67% work in the private sector.

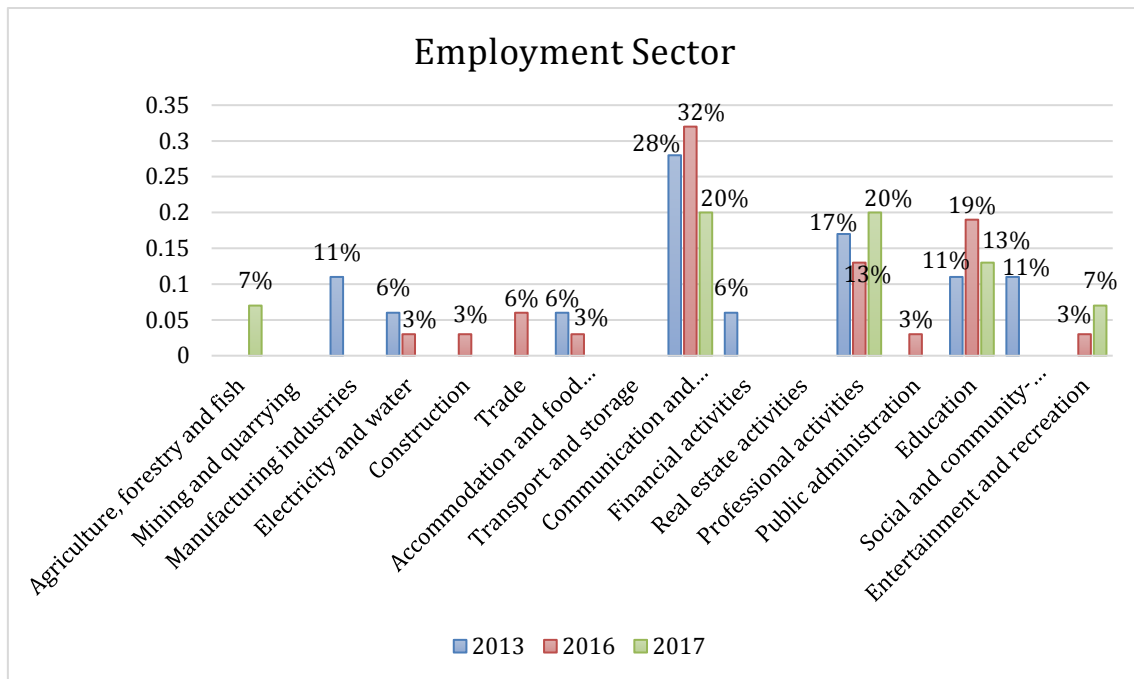


The main difficulties that are presented to the 2013 alumni are the following: there is no work (6%), lack of skills (6%) and other factors (6%). While for the 2016 alumni the main problems are that there is no work (3%) and the salary is low (3%). However, for the 2017 alumni, the biggest problem is that the salary is low (13%).



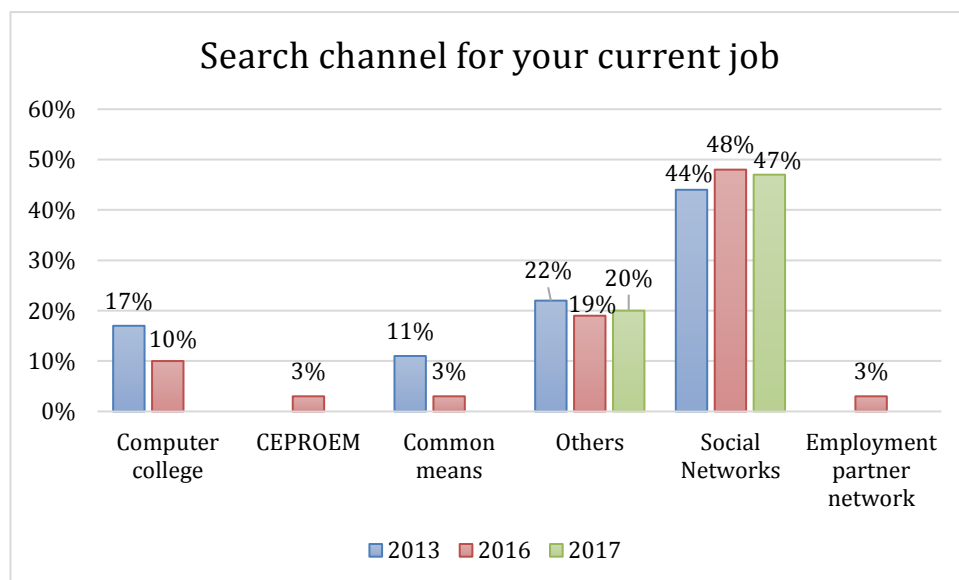
### 3. Activities performed by the alumni.

From the data obtained, we observed that the majority of the alumni surveyed work in the communication area; 28% of the 2013 alumni, 32% of the 2016 alumni and 20% of the 2017 alumni.

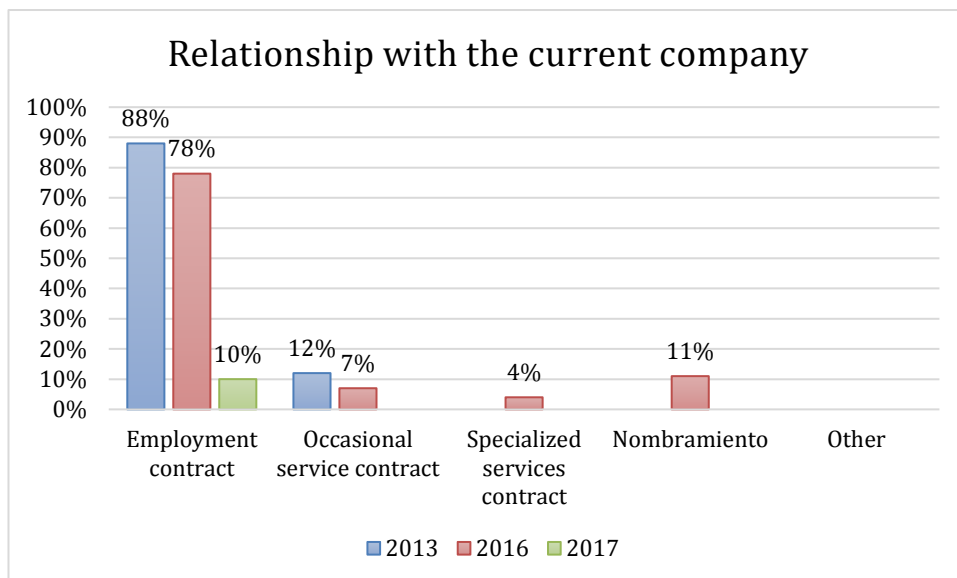


According to the answers, the most effective search channel for their current job was social networks (family, friends, acquaintances); 44%, 48% and 47% for 2013, 2016 and 2017 alumni respectively. And the least effective with 3% of the alumni were CEPROEM and red socio.

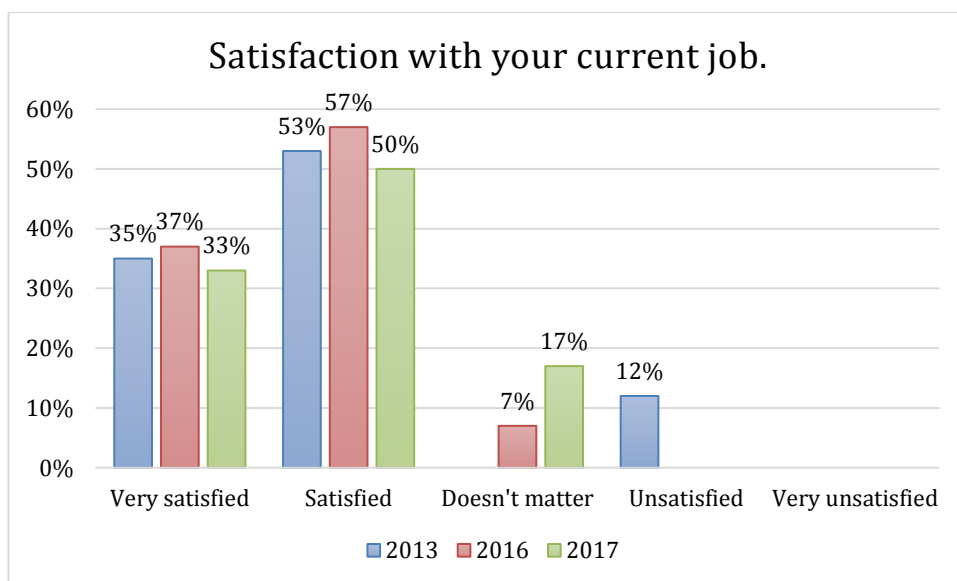
Other sources have been also successful in employing the alumni; 22% of the 2013 alumni, 19% of the 2016 alumni, and 20% of the 2017 alumni. The Faculty of Electrical and Computing Engineering has also helped the alumni obtain jobs; 17% of 2013 alumni and 10% of 2017 alumni got job through this means.



The majority of our graduates maintain a link with their current jobs through an employment contract, these being 88% of 2013 alumni, 78% of 2016 alumni and 10% of 2017 alumni. However, there are also alumni from 2013(12%) and 2016(7%) that work under the occasional service contract. Finally, 4% of 2016 alumni surveyed work under specialized service contracts and 11% of the same year under tenure track.



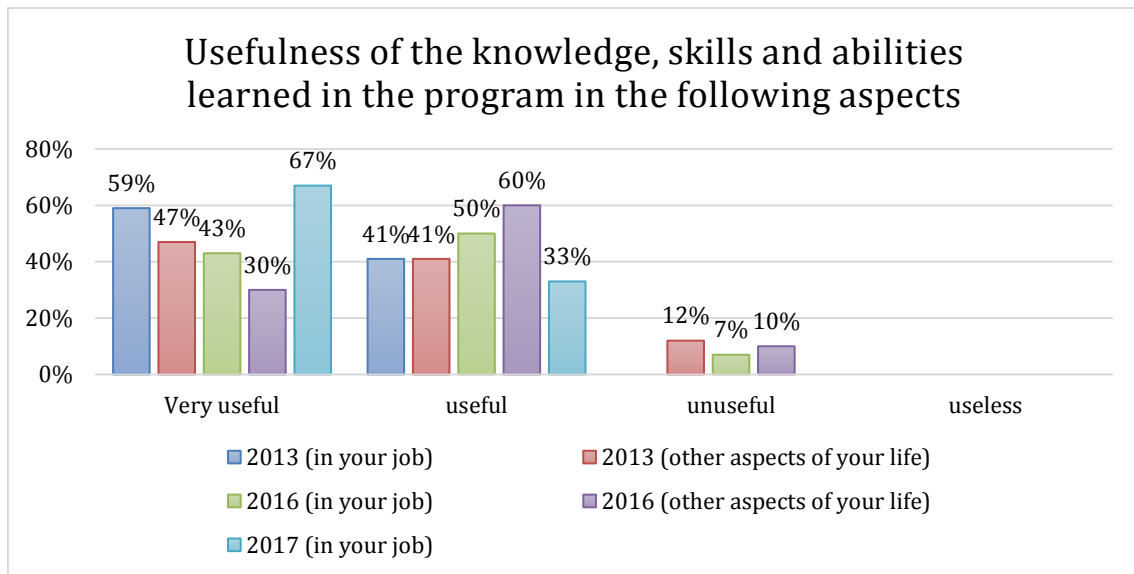
In the next section, we want to know if our alumni are satisfied with their current jobs and most of them feel that way; 88% of the 2013 alumni, 94% of the 2016 alumni, and 83% of the 2017 alumni. Less than 20% of the 2016 and 2017 alumni feel indifferent and lastly, 12% of 2013 alumni feel unsatisfied.



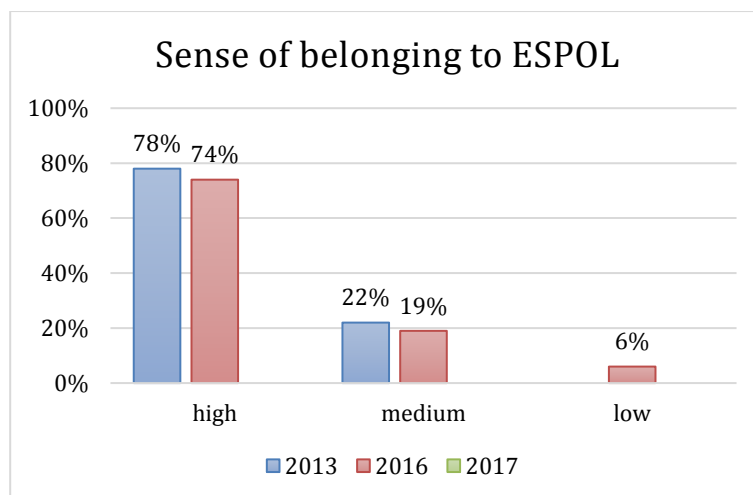
#### 4. evaluation of educational objectives and student outcomes

The educational objectives and student outcomes of the program in Computer Science were also addressed for later evaluation in the survey. The alumni evaluated the ESPOL's contribution to the development of their skills and attributes, and the results are as follows:

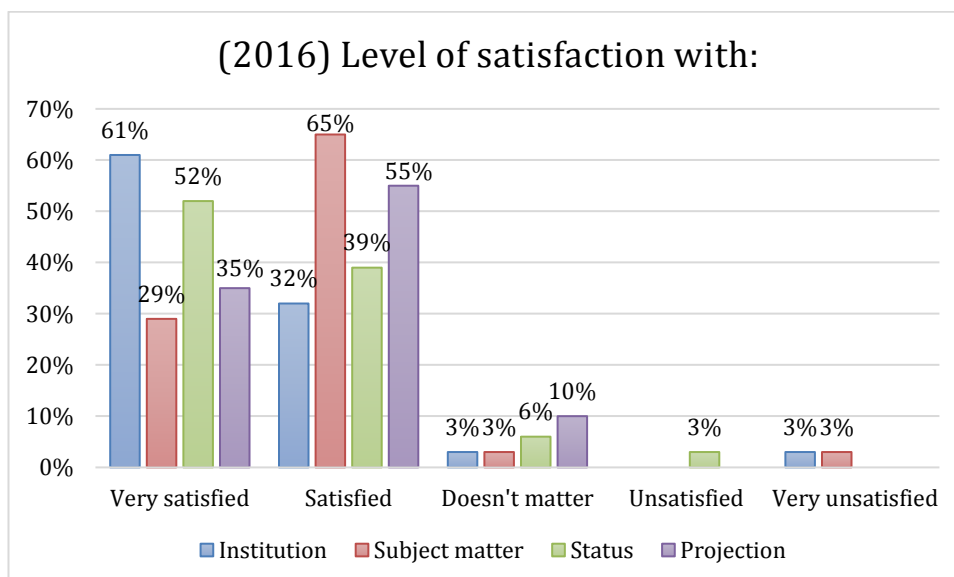
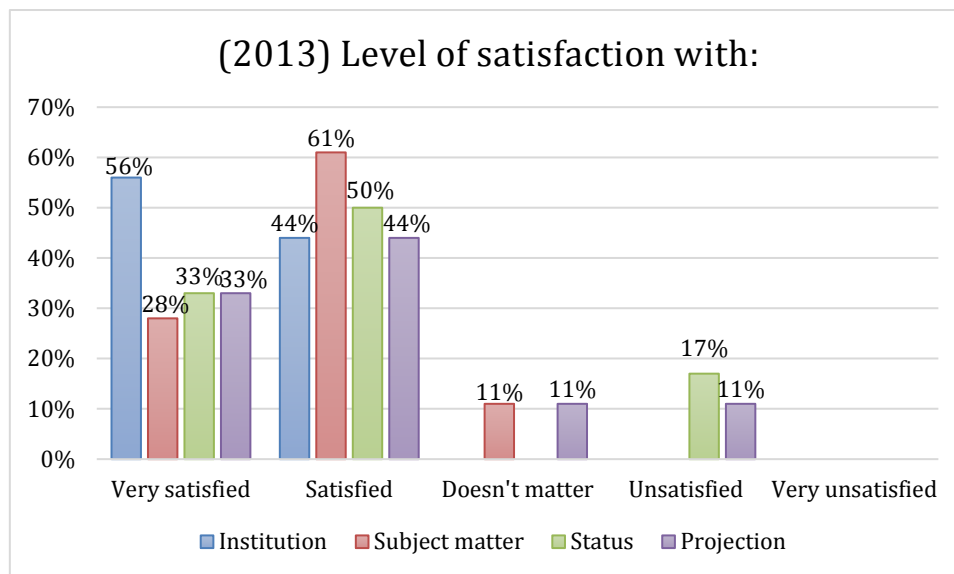
Most of our alumni think that the knowledge, skills, and abilities acquired during their program were between useful and very useful in their work; 93% of 2016 alumni and 100% of 2013 and 2017 alumni. Few graduates think that the knowledge, skills, and abilities acquired are not so useful in other aspects of their lives.



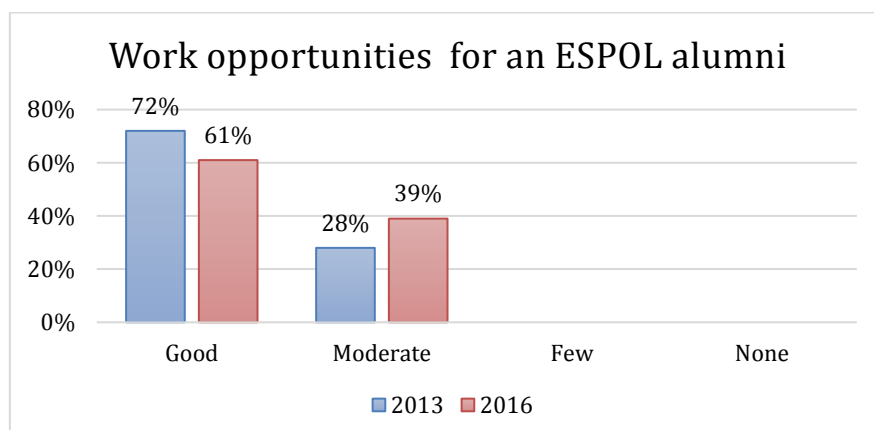
Although 2017 graduates preferred not to answer this question, a large number of respondents, of the 2013 (100%) and 2016 (93%) graduates, have a high sense of belonging to the institution. On the other hand, only 6% of 2016 graduates have a low sense of belonging.



Many of the respondents to the 2013 and 2016 alumni are satisfied or very satisfied with the institution, program content, status that the program provides, and the program projection that the alumni have. In contrast, few 2013 alumni are unsatisfied with the status and program projection alone, while only 3% of 2016 alumni are unsatisfied with the status provided by the program.

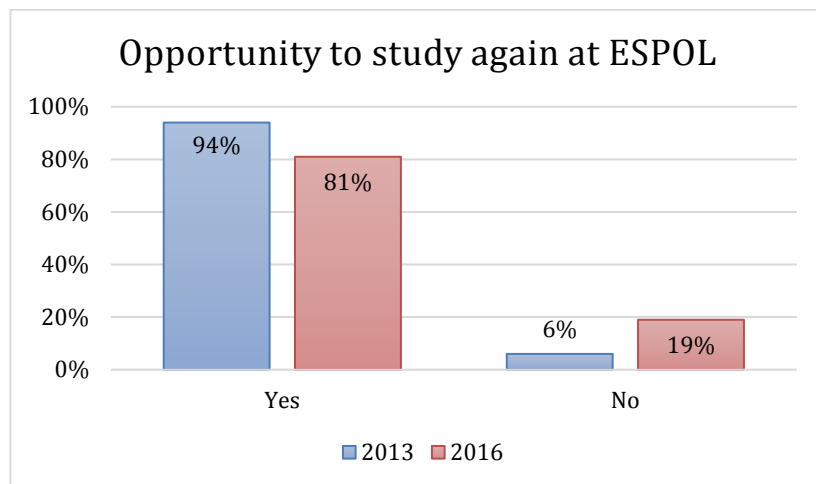


According to the experience acquired, alumni rate their job possibilities as ESPOL alumni as good with 72% of 2013 and 61% of 2016.

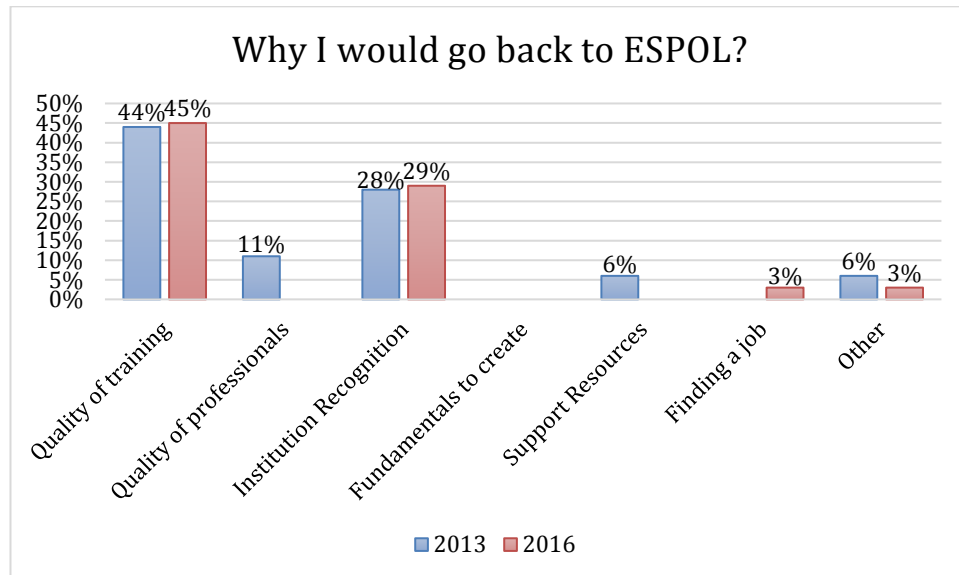


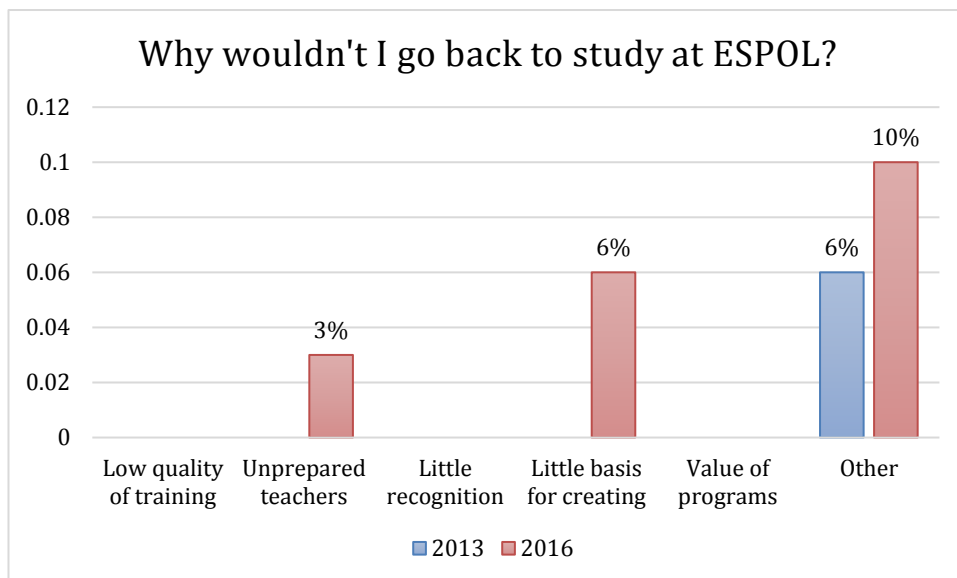


Of the respondents who graduated in 2013 and 2016, the vast majority agree that they would go back to ESPOL if they had the opportunity, except for 6% in 2013 and 19% in 2016.

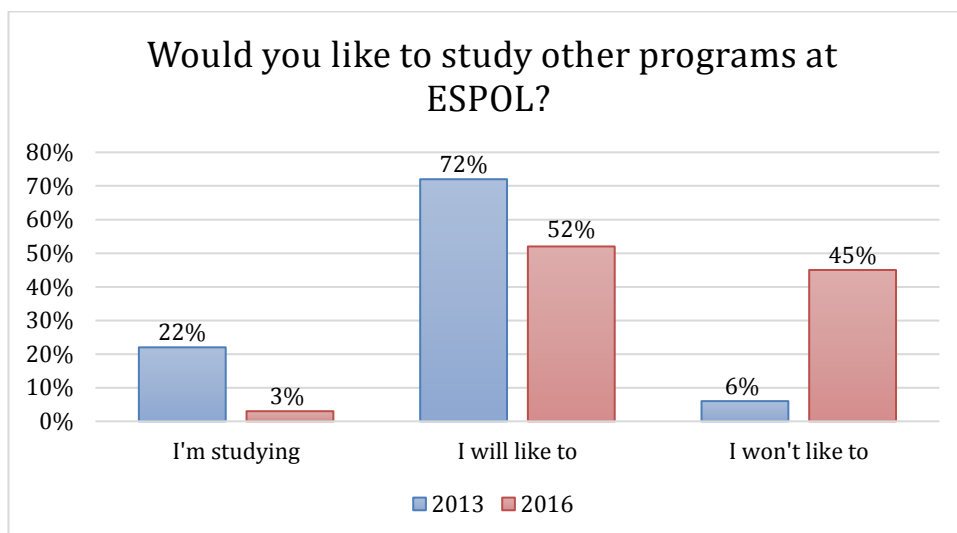


Most of the alumni from 2013 and 2016 would return to the ESPOL because of its quality of training (44% and 45%), while 28% and 29% would do it because of the recognition of the institution. However, 3% of the 2016 alumni would not return to ESPOL because there are lecturers without adequate preparation, 6% due to the lack of foundation to create a company. And, only 6% of 2013 alumni had would not to return to ESPOL for any particular reason.

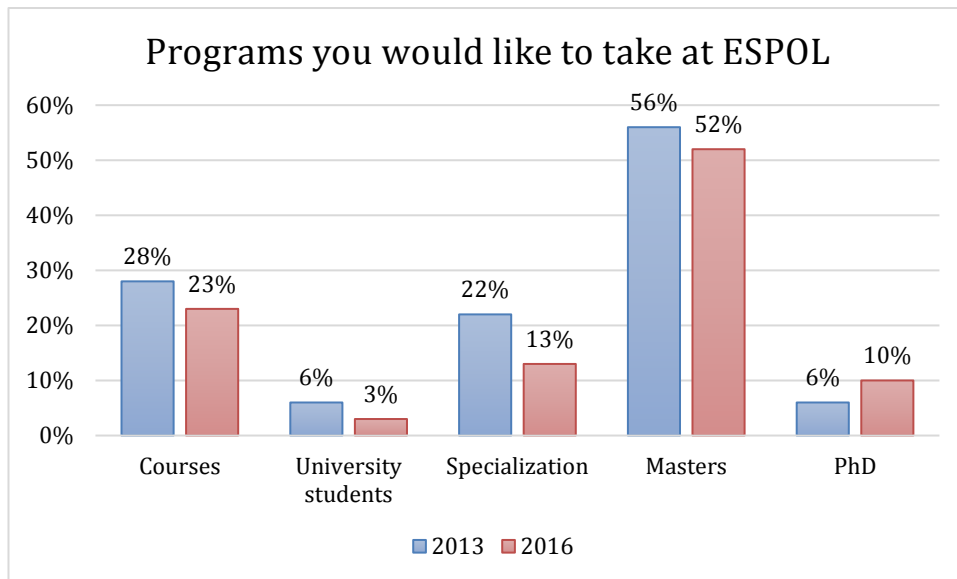




Most of the 2013 and 2016 alumni would like to pursue other studies at ESPOL. Although 22% of 2013 alumni and 3% of 2016 alumni are already pursuing other studies at the institution, 45% of 2016 alumni surveyed would not like to do it.



Of the studies that they would like to study again in ESPOL, the *master's degree* predominates with 56% and 52% for the 2013 and 2016 alumni respectively, and *courses* with 28% for 2013 alumni and 23% for 2016 alumni.



Finally, the majority of the surveyed alumni from 2013, 2016 and 2017 stated that their current job is directly related to their career. While 13% of 2016 alumni agree that their employment is indirectly related to their career.

