

THE INVOLVEMENT OF YOUNG GENERATION IN RES INDUSTRY

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Abstract: With this work we want to present the results obtained from the analysis of questionnaires sent to representatives of higher education institutions in the cross-border project: Romania-Bulgaria joint cooperation for sustainable and long-term development of young human source of renewable energy technologies in order overcoming socio-cultural barrier and the opening of joint opportunities of finding a job and employment in the border area, "RES-OP DEV № .2 (3.1) -3.2-4 MIS-ETC CODE 222."

Keywords: renewable energy resources, Romanian-Bulgarian cross-border area, higher education

1. THE INTEREST OF HIGHER EDUCATION INSTITUTIONS FOR THE EMPLOYMENT OF YOUNG HUMAN RESOURCES IN THE FIELD OF RENEWABLE ENERGIES

It is well known that the European Union is going at the moment through major trials which require ambitious economic policies for the 21st century. The European Strategy 20 [2], the EU presented its vision regarding the social market economy, which has the following priorities:

- effective development based on knowledge and innovation.
- sustainable development by efficient promotion of resource through a competitive economy and ecology;
- Inclusive development, promoting an economy providing employment and economic, social and territorial cohesion.

Particularly important for Europe 2020 is the principle that investing more in research and innovation can overcome the economic crisis. Therefore intelligent specializing in areas that use resources efficiently will create economic opportunities for better jobs and why not social integration.

When we talk about the efficient use of resources and especially renewable ones we consider that the activities focused on renewable energies have great potential in terms of stimulating the economic development in regions of the EU, because they create new jobs and stimulates social development [3].

These facts are possible through training and improving the workforce working in the renewable energy sector and this can be achieved by supporting researchers and setting-up of networks among universities, research centers and businesses in order to promote innovation and knowledge -based economy [4].

One of the steps taken in this direction is obtained by questionnaires delivered to participants, representatives of higher education institutions on the occasion of the workshop organized by "Mircea cel Batran" Naval Academy RES-Constanta - October 2011 where they got the information we present in what follows in response to appropriate questions.

The first question addressed the target position in the institution, namely:

- What is your position held in the institution?
 - a) the management of the institution

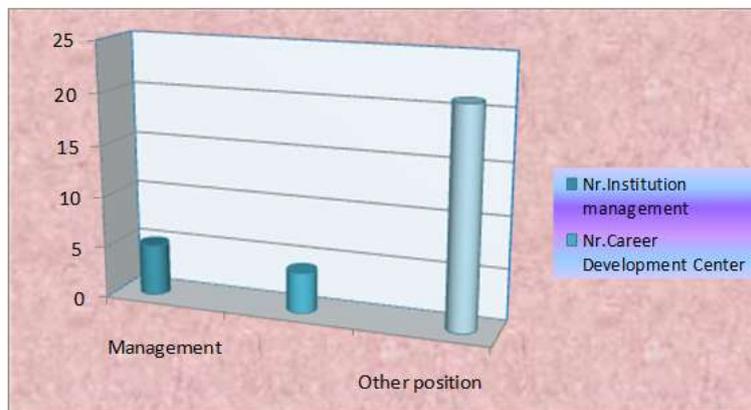
- b) Career Development Centre
- c) another function

The answers we obtained are found in the tables below together with their associated graphical representation.

Institution Management	Career Development Center	Other position
5	4	21

The result in percentages

Total Number	Institution Management	Career Development Center	Other position
30	16,66%	13,33%	70%



The second question that we considered to be appropriate to elaborate further analysis regarding the increased youth unemployment was:

- What are the main reasons for unemployment in the region?

Comments. (You can tick more than one answer).

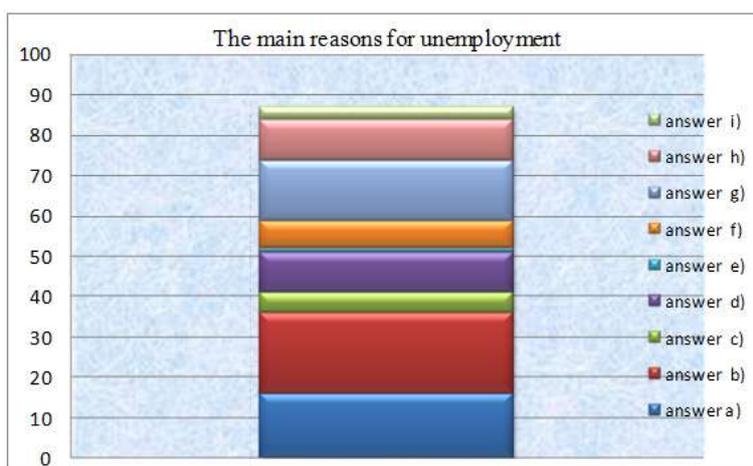
- a) lack of conditions for business development
- b) lack of sufficient manufacturing companies
- c) insufficient skills of unemployed people
- d) discrepancies between unemployment and vacancies qualifications on the labor market
- e) lack of information on labor market
- f) unemployed person's age
- g) low wage for labor force
- h) economic crisis
- i) other

We have centralized the results as can be seen as follows using a graphical illustration:

a	b	c	d	e	f	g	h	i
16	20	5	10	1	7	15	10	3

The result in percentages

Total	a	b	c	d	e	f	g	h	i
30	53,33%	66,66%	16,66%	33,33%	3,33%	23,33%	50%	33,33%	10%



The next question we had to ask following the line of consequential logic was:

- In your opinion, does the work of the following organizations have a positive influence on decreasing the unemployment rate in your region?

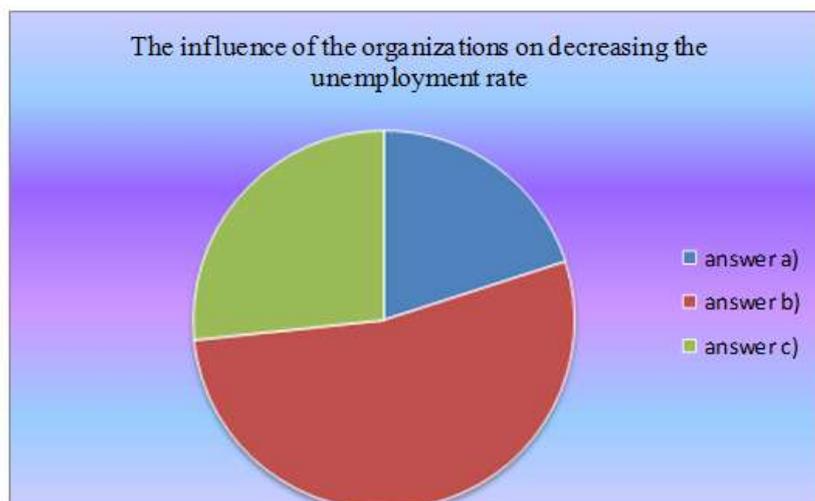
- a) Labor Force
- b) Job Fairs
- c) Career Development Centers

The responses received are centralized in the tables below, as well as in their corresponding representation.

Total	a	b	c
30	6	16	8

The results in percentages

Total	a	b	c
30	20%	53,33%	26,66%



The fourth question arose from the desire to solve the issue of unemployment, namely:
 - What could lead to more jobs on the labor market?

(You can tick more than one answer).

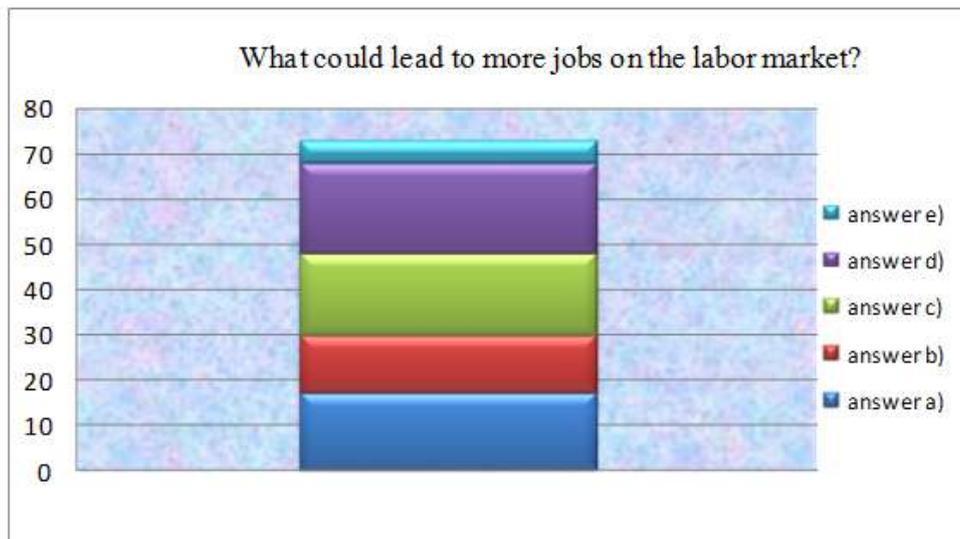
- a) creating new certification courses
- b) updating the curriculum
- c) contacting representatives of firms to educational institutions
- d) internships (as part of the educational process) to hi-tech companies
- e) other

Here are the responses received:

Total	a	b	c	d	e
30	17	13	18	20	5

The results in percentages:

Total	a	b	c	d	e
30	56,66%	43,33%	60%	66,66%	16,66%



Our project directly targeting the renewable energy technologies it was normal for us to ask the following question:

- What role do new technologies related to renewable energy play in creating job opportunities?

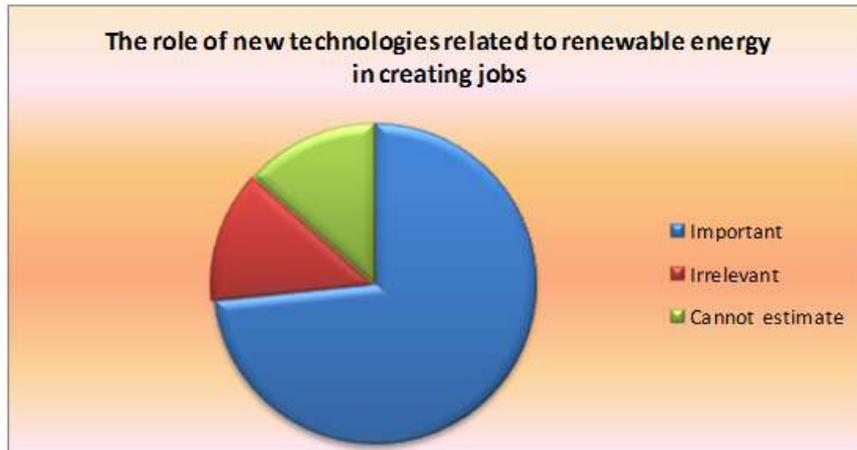
- Important
- Irrelevant
- Cannot estimate

The answers we received are listed below:

Total	a	b	c
30	22	4	4

The results in percentages:

Total	a	b	c
30	73,33%	13,33%	13,33%



2.CONCLUSIONS

The study we made showed that the field of renewable energies represents a vivid interest among the representatives of higher education institutions, i.e. 73% of the respondents said that new technologies related to renewable energy play an important role in creating opportunities for getting new jobs.

This information represents the results of the research conducted on a sample consisting of a total of 30 people, who are interested in what training and specializing in renewable energy means.

REFERENCES

[1] The cross-border project: Romania-Bulgaria joint cooperation for sustainable development and long term in young human source of renewable energy technologies in order to overcome socio-cultural barrier and the opening of joint opportunities of finding a job and employment in the border- Ergonomic analysis

[2] http://ec.europa.eu/europe2020/index_en.htm

[3] http://ec.europa.eu/regional_policy/activity/energy/index_ro.cfm

[4] Education and Training :

http://ec.europa.eu/regional_policy/activity/education/index_ro.cfm

The present article is the result of research of the authors, members of the project team, "Romanian – Bulgarian cooperation for long-term and sustainable development of young human resources in the field of renewable energy technologies with the aim to overcome the social and cultural barrier and find new job opportunities in the trans-border zone" "RES-OP-DEV № .2 (3.1) -3.2-4 MIS-ETC CODE 222.