



# Green Jobs Offer in Romania

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Erasmus+



## Green Jobs Offer in Romania

The top is made taking into consideration the market share, number of registered companies, posted announces in the last 60 days, number of registered CV on the database and the month traffic of the website.

The most important (negative) element is that there is no specific “green job” position mentioned on the top ranking.

Rank	Website	Covered area	Job Domains	Rating site
•	<a href="http://www.bestjobs.ro">www.bestjobs.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼▼▼
•	<a href="http://www.ejobs.ro">www.ejobs.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼▼▼
•	<a href="http://www.myjob.ro">www.myjob.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼▼
•	<a href="http://www.hipo.ro">www.hipo.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼▼
•	<a href="http://www.mojob.ro">www.mojob.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼▼
•	<a href="http://www.jobsinro.ro">www.jobsinro.ro</a>	Romania +abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.joobs.ro">www.joobs.ro</a>	Romania+abroad	IT	▼▼▼
•	<a href="http://www.bankingjobs.ro">www.bankingjobs.ro</a>	Romania	Banking	▼▼▼
•	<a href="http://www.sibiujobs.ro">www.sibiujobs.ro</a>	Sibiu county+ abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.tjobs.ro">www.tjobs.ro</a>	Abroad	Jobs in all domains	▼▼▼
•	<a href="http://ofertelocuridemunca.ro">ofertelocuridemunca.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.job-studenti.ro">www.job-studenti.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.work-travel.ro">www.work-travel.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.jobfest.ro">www.jobfest.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.jobresthotel.com">www.jobresthotel.com</a>	Romania+abroad	Hotel, Restaurants	▼▼▼
•	<a href="http://www.jobsRomania.ro">www.jobsRomania.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.itjobs.ro">www.itjobs.ro</a>	Romania	IT	▼▼▼
•	<a href="http://www.jobs4all.ro">www.jobs4all.ro</a>	Romania	IT	▼▼▼
•	<a href="http://www.jobinmarketing.ro">www.jobinmarketing.ro</a>	Romania	Marketing	▼▼▼
•	<a href="http://www.finjob.ro">www.finjob.ro</a>	Romania	banking	▼▼
•	<a href="http://www.adjobs.ro">www.adjobs.ro</a>	Romania	Media, PR Publicity, Marketing	▼▼
•	<a href="http://www.bizoojobs.ro">www.bizoojobs.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.jobbank.ro">www.jobbank.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.jobbing.ro">www.jobbing.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://Romania.jobs.com">Romania.jobs.com</a>	Romania+abroad	Jobs in all domains	▼▼

•	<a href="http://contracte-munca.ro">contracte-munca.ro</a>	Japon	Dancers	▼▼
•	<a href="http://www.cvonline.ro">www.cvonline.ro</a>	Czech Republic, Estonia, Latvia, Lithuania, Slovakia	Jobs in all domains	▼▼
•	<a href="http://www.initalia.ro">www.initalia.ro</a>	Italy	Medical	▼▼
•	<a href="http://www.cvjobs.ro">www.cvjobs.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.jobavantaj.ro">www.jobavantaj.ro</a>	Romania	Jobs in all domains	▼▼
•	<a href="http://www.jobmania.ro">www.jobmania.ro</a>	Romania	Jobs in all domains	▼▼
•	<a href="http://www.munca.ro">www.munca.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.jobsbacau.ro">www.jobsbacau.ro</a>	Bacau county	Jobs in all domains	▼▼
•	<a href="http://www.studentcv.ro">www.studentcv.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.superjoburi.ro">www.superjoburi.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.yourjobs.ro">www.yourjobs.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.job.ro">www.job.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.onlinejobs.ro">www.onlinejobs.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.mini-jobs.ro">www.mini-jobs.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://www.recutam.ro">www.recutam.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://studentadventure.ro">studentadventure.ro</a>	U.S.A. + U.K.	Jobs in all domains	▼
•	<a href="http://www.summerjob.ro">www.summerjob.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://www.angajat.ro">www.angajat.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.quickjobs.ro">www.quickjobs.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.anofm.ro">www.anofm.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.plusjobs.ro">www.plusjobs.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.yourjob.ro">www.yourjob.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.italiajob.com">www.italiajob.com</a>	Italy	Jobs in all domains	▼
•	<a href="http://www.careerbuilder.ro">www.careerbuilder.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://www.bursamuncii.ro">www.bursamuncii.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://www.recutareonline.ro">www.recutareonline.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://www.interjobs.ro">www.interjobs.ro</a>	Abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.locuridemunca.ro">www.locuridemunca.ro</a>	Romania+abroad	Jobs in all domains	▼▼▼
•	<a href="http://www.1001-locuridemunca.ro">www.1001-locuridemunca.ro</a>	Romania	Jobs in all domains	▼
•	<a href="http://www.mondojob.ro">www.mondojob.ro</a>	Brasov, Iasi counties	Jobs in all domains	▼▼
•	<a href="http://www.angajatorul.com">www.angajatorul.com</a>	Romania	Jobs in all domains	▼▼
•	<a href="http://www.abc-help.ro">www.abc-help.ro</a>	Bucharest	Jobs in all domains	▼▼
•	<a href="http://www.hr-recruitment.ro">www.hr-recruitment.ro</a>	Romania+abroad	Jobs in all domains	▼
•	<a href="http://MuncaInStrainatate">MuncaInStrainatate</a>	Abroad	Jobs in all domains	▼▼
•	<a href="http://www.performhr.ro">www.performhr.ro</a>	Romania+abroad	Jobs in all domains	▼▼
•	<a href="http://www.jobscop.ro">www.jobscop.ro</a>	Romania+abroad	Jobs in all domains	▼
<b>LEGEND:</b> ▼▼▼▼▼ – LIDER – more than 1 000 000 registered CV, over 1 000 000 Euro business value (cifra de afaceri) ▼▼▼▼ – COMPETITOR – growing reach, constant internet traffic, specialized services ▼▼▼ – NICHE – Strong on certain domains, specific services ▼▼ – MEDIUM – small business value (cifra de afaceri), medium number of registered companies ▼ – SMALL – site of recruiting agency, limited number of announcements, not up-to-date website				

(source, <http://hr.businesslive.ro/top-50-site-uri-de-job-uri-din-romania/>)

The search was made using two levels of search: the first one was the search of national database and the second level was the search of the offer for each county.

At county level (there are 42 counties in Romania) the job offer is structured in two main directions. The first direction is represented by job offers posted at the website of County Agency of Labour Force Occupation, which are state companies, the main activity is collecting offers from different companies (state or private). The second direction is represented by job offers from private media (online, media a.s.o.) which also provide job offers from different economy sectors.

Fig. 1 The web portal of National Agency of Labour Force Occupation

According To National Statistical Institute and Eurostat “*the number of population occupied within the sector of environmental goods and services*”, calculated on the basis of “*total number of full time job employes directly involved in environmental goods, services and technologies*” was 117 345 persons (in 2015). The sectorial distribution of these employes was the following:

Sector	Number of employes
Water capturing, treatment and distribution	36.424
Waste collection, treatment and recycling	26.311
Engine, machine and tools production	7849
Thermic and electric energy production and distribution (including natural gas distribution)	6321
Public administration and defense	5680

Source of data, National Statistical Institute, Eurostat, 2015

According to European Occupation Observatory the ecological sectors, including green jobs, could represent 25% of the overall jobs in Romania. The most number of green jobs could be in agriculture and energy production (4.7%) which in absolute values could be 376.000 employed persons.

<http://locuridemuncaverzi.ro/articole/stare-actuala/studiu-la-nivel-national-cu-privire-la-situatia-actuala-in-ceea-ce-priveste-locurile-de-munca-verzi-in-romania>

The database search for both national and county levels shows a following distribution of “green job” offer.

Sector/Domain	Job Type	Nr.
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<b>Construction and architecture</b>	Revitalization specialist (1), Environmental management and management specialist (2), Investment manager (1), Power Specialist (2), Infrastructure maintenance specialist (1), Construction site manager (1), sanitary works Engineer(1)	<b>9</b>
<b>Education and communication</b>	Ecology teacher 5 Environment related Project managers 2	<b>3</b>
<b>Energy</b>	Energy auditor (10), Technical specialist (4), Technical Analyst (3), Energy Efficiency Expert (4), Energy Customer Advisor (5), Investment Manager (4), RES Commercial adviser (4), RES Specialist (4), Process Technician (2), Product Manager (2), Key project Management Specialist (1) Construction engineer (1) Environmental Engineer	<b>43</b>
<b>Soil &amp; ground</b>	Environmental Specialist (2), Inspector (1), Laboratory analysts (1)	<b>4</b>
<b>Waste management</b>	Environment analyst 7, Recycling engineer (1),  Environmental Specialist (3), Sales Representative (2), Environmental advocate (1) Specialist in Waste Management (3) Composting manager (1)	<b>17</b>
<b>Spatial planning</b>	Environmental Specialist (3), Laboratory Specialist (1), Spatial development specialist (2)	<b>6</b>
<b>Air and climate</b>	Environmental Monitoring Specialist (2),  Environmental Inspector (2), Manager of Projects in the Climate and Energy section (1),	<b>6</b>

	Laboratory specialist (1)	
<b>Industry and engineering</b>	Electrical Installation Designer / Electrician (2) Specialist in the laboratory (5), Laboratory analyst (3), Process Engineer (5), Production Manager (6), Employee for Health and Safety (3), Environmental Protection and Chemicals (4)	<b>26</b>
<b>Agriculture</b>	Inspector (3), Soil lecturer (1)	<b>4</b>
<b>Risk (Inspector for the environment)</b>	Environmental Specialist (2), Specialist in Nuclear Safety Department (1), Laboratory analyst (1)	<b>4</b>
<b>Natural environment, biodiversity</b>	Specialist (5), Laboratory Assistant (2), Inspector (2)	<b>9</b>
<b>Water</b>	Environmental Specialist (5), Project Manager (4), Sales Representative (4), Business management (3)	<b>16</b>
<b>Transport</b>	Key Project Management Specialist (1)	<b>1</b>
<b>Business management</b>	Specialist in Sales Support (6), Regional manager (2), Technical sales advisor (4), Product Manager (5), Employee for Health and Safety (1), Specialist in Renewable Energy (3), Photovoltaic consultant (2),	<b>23</b>
<b>Environmental management</b>	Environmental Specialist (14), Environmental Inspector (8), Laboratory specialist (6), Laboratory analysts (6),	<b>44</b>
	<b>TOTAL</b>	<b>215</b>

Currently among all green job offers the most numerous were in the environmental management (21%) energy sector (20%), in industry and engineering sector (12%) and

business management (11%). At present, the greatest demand on the market is on environmental specialists (14 offers) and energy auditors (10 offers).

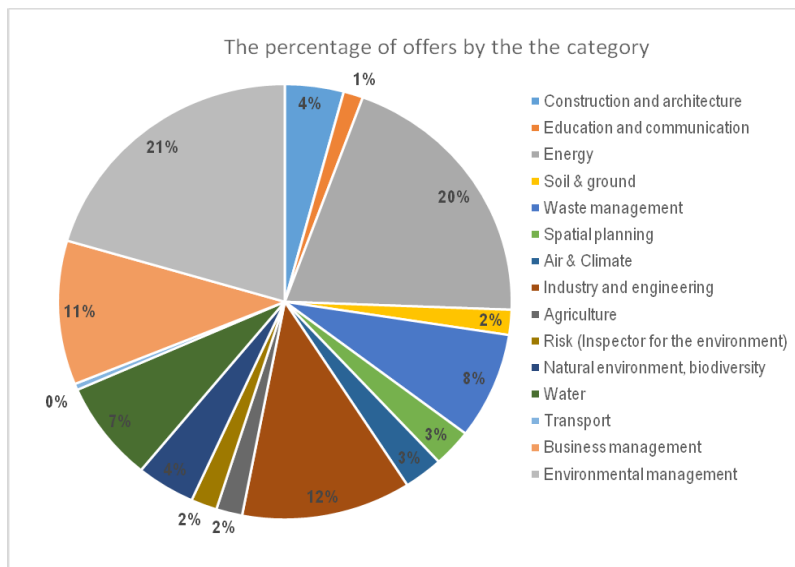


Fig. 1. The percentage of offers by the category

## Challenges of the topic

Starting from the current situation, the classification made by National Occupation Classifications tried to made a revision of the occupations according to International Standards of Occupations (ISCO 08). This revision was made using a “cross check” with following items:

- Using key-words such as “green”, “environment”, “ecologic”, “wastes”, “water treatment”
- Description of the occupations
- Comparison with the occupational standards which are already in use

There are also occupations which are not directly related to the word “green” but are indirectly related to the environment or management of the resources. For ex. teachers who teaches topics or modules such as “environment protection” or “sustainable use of the resources” could also be included, in some cases, in the category of green jobs.

**Its very difficult, according to the present state of organization of job offer, to evaluate correctly the green job offer. The most difficult part is to accept or not**

some positions to be “green” just because the domain could be considered being directly related to environment (energy, hydroelectricity, solar energy a.s.o.) but the offer is with no direct connection with the environmental element.

## Education offer

### 1. Introduction

Education is an essential tool for achieving sustainable development and solving environmental problems. Environmental education is a process that recognizes the value and clarifies many concepts in order to develop skills and attitudes necessary to understand and appreciate the relationships between man, culture and the environment. Environmental education includes decision-making practice and the formulation of a code of conduct on environmental quality (Bălăceanu 2013).

In the education system, education is dominated by a mechanical paradigm. If you attach importance to education for sustainability content, education attaches importance to sustainable values and skills acquired, promoting learning for change. In most schools in Romania, the main difficulty is the transition from education to the multidisciplinary cross-disciplinary education for sustainability or sustainable education (Szitar 2014). Therefore, the main problem to be solved is to integrate all these components into school curricula, overcoming the barriers that may arise at different levels (individual, social, institutional). Environmental education is an ongoing process. Despite its objectives, the means of implementing it are still unsatisfactory, as the impact of education is not sustainable.

### [2. Stages of the education system](#)

The organization framework of the present Romanian education system is consisted of different stages.

- [2.1 Early education \(0—6 years\)](#)
- [2.2 Primary education \(ISCED 1\)](#)
- [2.3 Secondary lower education \(ISCED 2\) or secondary education](#)



- [2.4 The secondary superior education \(ISCED 3\)](#)
- [2.5 The non-university tertiary education \(ISCED 4\)](#)
- [2.6 The higher education \(ISCED 5-8\)](#)
- [2.7 Adult education](#)

### **3. Legal frame of teaching system**

The Law of National Education 1/2011 provides the general and integrating regulatory framework for lifelong learning in Romania.

Lifelong Learning means all learning activities carried out by every person throughout life in formal, non-formal and informal contexts for the purpose of acquiring or developing competences from a multiple perspective: personal, civic, social or occupational. Lifelong learning includes early childhood education and care, school education, higher education, adult education and continuous training. The main goals of lifelong learning are concerned with the full development of a person and the sustainable development of society. Lifelong learning is focused on the acquisition and development of key competences and of competences specific to an area of activity or to a qualification.

In accordance with the specific legislation on adult training, adults are defined as people at an age allowing them to get involved in work relations and can participate in training programmes under the law. Adults have equal rights of access to training, without discrimination based on criteria related to age, gender, race and ethnic origin, political and religious membership. The Law on equal opportunities for women and men (Law 202/2002) underlines the equal right for both genders to participate in training programmes, as well as to benefit from professional counselling and guidance. The access of adults, employees or people looking for a job (defined in compliance with Law 76/2002) to training is a right guaranteed by the Code of Labour (Law 53/2003).

### **4. Adult education and training**

The state carries out its responsibilities in the area of lifelong learning through the Ministry of National Education and Scientific Research, the Parliament, the Government, the Ministry of Labour, Family, Social Protection and the Elderly, the

Ministry of Culture and National Patrimony, the Ministry of Health, as well as the Ministry of Administration and the Interior.

The Law 167/2013 that changes and completes the Government Decision 129/2000 on adult training states that adult training ending with a certificate of qualification or a certificate of completion with national recognition and/or a certificate of professional competence is an activity of general interest and a part of the national education and training system.

The responsibilities of organizing the lifelong and adult learning is the responsibility of the following national institutions:

- [Ministry of National Education and Scientific Research](#)
- [The Ministry of Labour, Family, Social Protection and the Elderly](#)
- [The Ministry of Culture](#)
- [The National Qualifications Authority](#)
- [The Community Centres for Lifelong Learning](#)

#### *4.1 [Developments and Current Policy Priorities](#)*

Elaboration and adoption of the National Qualification Framework – Government Decision no. 918/2013 and Government Decision no. 567/ 2015

Elaboration and adoption of the National Strategy for Lifelong Learning – Government Decision - 418/ June 2015

#### *4.2 Main providers*

According to the Law of Education no.1/2011, formal education is provided by the following institutions or organisations:

- education and training centres in ministries or local public authorities,
- public and private providers of education and training certified / accredited under the law,
- governmental or non-governmental organizations that offer programs authorized under law,
- employers who offer their own training programs employees.

Non-formal adult learning may be provided by the following organisations: *workplace, cultural institutions such as museums, theatres, cultural centres, libraries, documentation centres, cinemas, cultural centres, professional and cultural associations, trade unions, NGOs.*

The Community Centres for Lifelong Learning should provide both formal and non-formal training programmes, as well as to encourage and organise activities that facilitate informal learning.

#### *4.3 Main type of provisions*

Funding lifelong learning (including adult learning) is achieved through public and private funds based on the public-private partnership, through funding and co-financing from employers, non-governmental organizations through grants from European programmes, through lifelong learning accounts and through the contribution of the beneficiaries.

Regarding *lifelong learning accounts*, according to the art. 356 of the Law no.1/2011, Law of National Education, the state supports the right to lifelong learning education by according a sum equivalent of 500 Euro to every Romanian child, when she/ he is born. The sum is given with educational scope for the benefit of the holder from the state budget, through the budget of the Ministry of Labor, Family and Social Protection. These benefits are not yet applicable in 2016.

Through the *National Plan of Lifelong Learning*, the National Agency for Labor Employment includes in its free lifelong learning programmes:

- unemployed persons (the most part of the trainees)
- persons in detention
- persons from other categories:
  - persons who return to work after the parental leave
  - persons who return to work after recovery, after disability retirement
  - persons from rural areas
- persons who benefit of free services of evaluation of the competencies acquired in other forms than those formal
- persons who benefit of apprenticeship.

The persons who do not benefit of free services are included at courses organized by the Regional Centers of Lifelong Learning.

Adults who participate in education and training programmes that are not funded from other sources (employers' funds, the unemployment insurance budget, sponsorship, donations and other external sources) must pay for the cost of the programme. The costs are determined by the education and training providers so as to cover expenses incurred by the implementation of the programmes.

Publicly subsidised provision is focusing on the following target groups:

- young people and adults who have not completed compulsory education;
- young people who have left education before obtaining a professional qualification and are not enrolled in any form of education or training;
- graduates of non-professional education or those who have graduated high school or higher education qualifications in redundant fields or irrelevant for the labour market;
- adults with special educational needs;
- young people and adults who return after a period of work abroad;
- young people and adults residents in economically and socially disadvantaged communities;
- employees over 40 with low education, residents in urban and rural areas, low skilled or unskilled.

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#### *4.4 Validation of Non-formal and Informal Learning*

Adults with professional competences acquired in other ways than the formal ones (non-formal and informal) can be assessed in the competence assessment centres authorised by the National Authority for Qualifications.

The procedure for the assessment and the certification of professional competences acquired in other ways than the formal ones, approved by Order of the Minister of Education and Research and of the Minister of Labour, Social Solidarity and Family 4543/468/2004, with its subsequent changes and completions, contains both the description of the authorisation process for the assessment centres, and the process for the assessment and certification of professional competences.

The validation process is highly focused on qualifications, mostly VET qualifications. The validation process has the following characteristics:

- It should be voluntary;
- It should be carried out in accordance with established occupational standards; the evidence of professional competences should be gathered through the application of different methods of evaluation applied in various contexts and on different occasions;
- The assessment should be independent of formal professional education and training, meaning that it can take place outside a formal education or training programme
- The assessment of each unit of competence should conclude with a result for the candidate - “*competent*” or “*not yet competent*”.

Validation of informal and non-formal learning has been addressed at policy level by a set of new legal and institutional frameworks generated by the new National Law of Education no. 1/2011. The Law on National Education adopted in 2011 emphasises the role of validation of informal and non-formal learning in the context of a broader lifelong learning perspective, based on a learning outcomes approach. The law is promoting a general approach to validation and there are no targeted measures for a specific sector, with the exception of validation of the learning outcomes acquired by teaching staff in non-formal and informal contexts. The Ministry of National Education and Scientific Research has approved the methodology for validation, as well as the methodology to convert these learning outcomes into equivalent credits for continuous professional development of teachers.

In December 2013, Romania adopted the National Qualifications Framework (NQF) by the Government Decision no. 918/2013. The NQF has 8 levels of qualifications that can be acquired through the formal education and training system in Romania and by recognition of learning outcomes acquired through non-formal and informal learning. At the moment, the methodology allows the validation only for level 4 or lower to obtain a qualification through the validation of non-formal and informal learning. Validation is still linked with occupational standards and is not yet operational with regards to formal education.

#### *4.5 Funding*

Adult vocational training programmes are financed from the following sources:

- The employers' own funds
- The unemployment insurance budget
- Grant funds from European programmes (Operational Programme Human Capital 2014 - 2020)
- Sponsorship, donations, external sources
- Fees paid by individuals participating in training programs.

Commercial companies, national companies, co-operative enterprises, state-owned monopolies and other institutions may spend money for the vocational training of their employees, which represents deducted expenses from the profit taxes or from the income taxes.

The institutions that have incomes that are not coming from the state budget may spend funds for the vocational training of their employees out of these incomes. The institutions financed from the state budget or by the local budgets may spend funds for the vocational training of their employees out of budget sources or out of other sources, according with their own approved budgets.

#### *Fees paid by learners*

Adults who participate in education and training programmes that are not funded from other sources (employers' funds, the unemployment insurance budget, sponsorship, donations and other external sources) must pay for the cost of the programme. The costs are determined by the education and training providers so as to cover expenses incurred by the implementation of the programmes.

#### *Financial support for Adult Learners*

For the period when the employees participate in training programs financed by their employers, the employees receive their wages as stated in the individual contract for the normal working program. The employers have to support the travel expenses for the participation in a training program, if that program takes place in another locality than the one where the employee works. The employees that participate in training

programs for at least 3 months when requested by the employers will sign codicils to their individual work contracts, stipulating rights and obligations after graduation.

Adult training programmes are provided free of charge for the following categories of people:

- People looking for a job
- People who have not found a job after graduating from an educational institution or after completing their military service
- People who obtained the statute of refugee or other form of international protection
- Foreigners or stateless people who worked in Romania or who obtained any income in Romania, under the law
- People who have not found a job after repatriation or detention
- People in detention who have at most 9 months until the final day of their punishment.

Training programmes are provided free of charge at an employee's request, with the employer's agreement, or at the employer's request, for people who return to work after:

- legal maternity leave,
- military service and,
- in case of recovery of work ability after retirement for invalidity.

The rights to training of people looking for a job are established in the Law 76/2002 on the system of unemployment insurance and stimulation of employment, with its subsequent changes and completions. Some of these rights are the following:

- To benefit of all the theoretical and practical training all through the duration of the programme;
- To benefit of specific supplies and learning aids as well as textbooks;
- To benefit of all necessary protection equipment during the programme;
- To benefit of free of charge transportation from their homes to the training provider on local public transportation or, as the case may be, to benefit of all the facilities provided by the law if the training provider is in another locality. In case that the distance of the travel is more than 50 km, the people concerned are

entitled, during the training period, to benefit from accommodation and a sum of money to cover meals at the extent provided by the regulations in force for employees of public institutions;

- To benefit from medical consultation, medical analyses and necessary tests for attending the training programme.

In order to prevent unemployment through the improvement and diversification of the employees' professional competences, employers are guaranteed by the law specific financial incentives for organising vocational training of their employees. Financial incentives are also granted to employers that apply active measures to reduce unemployment and facilitate the vocational training of their employees.

### 5. The Online free courses

In the last 2-3 years the number of sites which provides free online courses virtually explodes.

The question which arises from this evolution tendency is if these courses are or are not more practical than the public teaching system with the help of MOOC (MOOC = massive open online course), mainly because of the flexibility of this alternative system. The most popular these sites, available on Romania are listed below.

Tab. 1 List of sites available on Romanian portals which offers free environmental related courses

1. <a href="#">Udemy.org</a>	25. <a href="#">Self Growth</a>
2. <a href="#">Coursera</a>	26. <a href="#">Academy Cube</a>
3. <a href="#">Khan Academy</a>	27. <a href="#">Open SAP</a>
4. <a href="#">Duolingo</a>	28. <a href="#">RSA</a>
5. <a href="#">LiveMocha</a>	29. <a href="#">The Higher Education Academy Resources Center</a>
6. <a href="#">Stanford University Ecorner</a>	30. <a href="#">EdX.org</a>
7. <a href="#">Udacity-</a>	31. <a href="#">Ureddit</a>
8. <a href="#">MIT (Massachusetts Institute of Technology Video)</a>	32. <a href="#">Iversity</a>
9. <a href="#">W3Schools.com</a>	33. <a href="#">99percent</a>



10. <a href="#">CodeAcademy.com</a>	34. <a href="#">Jorum</a>
11. <a href="#">Code.org</a>	35. <a href="#">Berkeley University</a>
12. <a href="#">Open Learn University</a>	36. <a href="#">Draw Space</a>
13. <a href="#">Teaching Tree</a>	37. <a href="#">Money 101</a>
14. <a href="#">Ted Ed</a>	38. <a href="#">Alison</a>
15. <a href="#">TED Talks</a>	39. <a href="#">Memrise</a>
16. <a href="#">Entrepreneur Startup Guides</a>	40. <a href="#">Sophia</a>
17. <a href="#">CodeAvengers</a>	41. <a href="#">NovoEd</a>
18. <a href="#">Watch Mojo</a>	42. <a href="#">European Schoolnet Academy</a>
19. <a href="#">Open Yale Courses</a>	43. <a href="#">Open 2 Study</a>
20. <a href="#">Learni.st</a>	44. <a href="#">Complexity Explorer</a>
21. <a href="#">BBC Learning</a>	45. <a href="#">Future Learn</a>
22. <a href="#">Mozilla Developer Network</a>	46. <a href="#">France Universite Numerique</a>
23. <a href="#">HTML5 Rocks</a>	
24. <a href="#">Academic Earth</a>	

## **6. Romanian Institute for Adult Education – IREA**

IREA is a pedagogic research institute in the field of adult and continuing education, aiming to provide scientific and methodological support for all adult education institutions in Romania and to establish the link between the academics and practitioners in adult learning area. The overall research aim is to improve the quality of the education for adults, and to identify ways to enhance their ongoing participation in learning, and also for strengthening the lifelong learning dimension both at individual and institutional level.

The main research directions within IREA are:

- adult basic education;
- workplace learning and key competencies;
- professionalisation of adult educators
- social inclusion and active citizenship through education.
- impact of new media on adult learning

- inter-generational learning and active aging;
- developing the concept for different support services offered to adult learners – e.g. counselling in adult education;
- innovative didactics and delivery

IREA was or is involved in European projects with focus on the adult basic skills such as “Learn in Green”: New approach to develop key competences through environment proposes integrated approaches which refer to sustainable development, with concern for the development of ecological behaviour and especially for key competencies for social and professional integration of low-skilled and low-qualified adults.

**7. National registry of adult and long-life learning programmes** is sub-ordinated to the Ministry of Education and comprises a total number of 665 officially recognized educational supplier which are allowed to activate in the field of education. These entities can be universities (both state and private), county school inspectorates, associations, NGO-s.

The majority of adult education and training in the EU-28 is non-formal education and training, in other words, outside of formal institutions of schools, colleges and universities. This is not surprising given that the age criterion for the AES is persons of working age (25–64 years-old), when most people have already completed their formal studies.

## 1. Indicatori cheie

		România		Media UE		
		2012	2015	2012	2015	
<b>Criterii de referință ET 2020</b>						
Părăsirea școlară timpurie din sistemele de educație și formare (vârsta 18-24 de ani)	Total	17.8%	19.1%	12.7%	11.0%	
Ponderea absolvenților de studii superioare (vârsta 30-34 de ani)	Total	21.7%	25.6%	36.0%	38.7%	
Educația și îngrijirea copiilor preșcolari (ECEC) (de la vârsta de 4 ani la vârsta de începere a învățământului obligatoriu)		86.4% <sup>11</sup>	86.4% <sup>14</sup>	93.2% <sup>11</sup>	94.3% <sup>14</sup>	
Procent de tineri cu vârsta de 15 ani cu un nivel scăzut de cunoștințe în:	Citit	37.3%	:	17.8%	:	
	Matematică	40.8%	:	22.1%	:	
	Știință	37.3%	:	16.6%	:	
Rata de angajare a noilor absolvenți pe nivel de învățământ (cu vârsta de 20-34 de ani și care au finalizat sistemul de învățământ cu 1-3 ani înainte de anul de referință)	ISCED 3-8 (total)	70.2%	68.1%	75.9%	76.9%	
Participarea adulților la procesul de învățare continuă (vârsta 25-64 de ani)	ISCED 0-8 (total)	1.4%	1.3%	9.2%	10.7%	
<b>Alți indicatori contextuali</b>						
Investiții în educație	Cheltuieli publice pentru educație ca procent din PIB	3.0%	3.0% <sup>14</sup>	5.0%	4.9% <sup>14,p</sup>	
	Cheltuieli în instituțiile publice și private pentru fiecare student în EUR PPS	ISCED 1-2	€1,625	€1,700 <sup>13</sup>	:	:
		ISCED 3-4	€1,723	€1,959 <sup>13</sup>	:	:
	ISCED 5-8	€3,932	€2,979 <sup>13</sup>	:	:	
Părăsirea școlară timpurie din sistemele de educație și formare (vârsta 18-24 de ani)	de origine autohtonă	17.8%	19.1%	11.6%	10.1%	
	de origine străină	:	:	24.9%	19.0%	
Ponderea absolvenților de studii superioare (vârsta 30-34 de ani)	de origine autohtonă	21.6%	25.6%	36.7%	39.4%	
	de origine străină	:	:	33.8%	36.4%	
Rata de angajare a noilor absolvenți pe nivel de învățământ (cu vârsta de 20-34 de ani și care au finalizat sistemul de învățământ cu 1-3 ani înainte de anul de referință)	ISCED 3-4	59.3%	59.8%	69.7%	70.8%	
	ISCED 5-8	79.1%	77.1%	81.5%	81.9%	
Mobilitate în scop educațional	Mobilitatea absolvenților străini (licență)	1.6% <sup>13</sup>	2.0% <sup>14</sup>	5.5% <sup>13</sup>	5.9% <sup>14</sup>	
	Mobilitatea absolvenților străini (master)	2.5% <sup>13</sup>	3.0% <sup>14</sup>	13.6% <sup>13</sup>	13.9% <sup>14</sup>	

In 2011, more than one third (36.8 %) of the EU-28's adult working-age population participated in non-formal education and training, a share that was almost six times as high as the share of those who participated in formal education or training (6.2 %).

At national level just 1.6% of adults (between 25-64 years) were involved in an adult or long-life learning programme, compared to the European average which is 8.9% in 2011. Despite the huge gap, the Romanian tendency is a positive one, between 2007-2013 the average increased from 1.3% to 1.8%. The main goal up to 2020 is to increase the percentage of adults involved in different types of post-education forms to 10%.

A comparative analysis with other European states reveals that the rate of increase in Romania is one of the lowest in E.U., well under the minimum required by European Commission.

The **low participation rate** in such programmes can be explained by the existence of some malfunctions among employers, employees, education suppliers and AL and

LLL beneficiaries. These malfunctions makes these adult programmes unfeasible and unattractive, when employers, employees, education suppliers acts separately, independently, without interactions among them.

The education suppliers offers programmes and competences which does not reflects the need of the employers. Is is also true that the employers does not request from the education suppliers the type of education suitable for the economy.

## **8. The Romanian Higher Education system**

Although the analysis of the MSc and BSc type of education **is not part of the project**, the reason why the following table was inserted into the report is given by the fact that the present state of Romanian legal base allows the Romanian universities to tune their educational offer (including further education, adult and long life learning) into the curricula according to the demand.

Within all the listed universities are organized **DEPARTMENTS OF TRAINING AND FURTHER EDUCATION**. Taking into account that many of the offered places within the universities are not subsidized, the interest of the universities is to tune the educational offer to market demand. One of the main activity of these departments is to organize further education programmes, which are open to all university graduate adults, and, having the environmental-related specializations the shift to such educational programmes is much easier (see Annex 1)

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## Annex 1.

**Tab. 2 The list of environmental-related specializations within Romanian state universities**

Specialization	Source (database)	Type of the institution Private/ University/ /educational institution Adult education Center
Landscape management	<a href="https://www.adservio.ro/admitere/facultatea-de-horticultura-27">https://www.adservio.ro/admitere/facultatea-de-horticultura-27</a>	University of Agricultural Sciences and Husbandry "Ion Ionescu de la Brad", Iași, Faculty of Horticulture
Environmental Engineering	<a href="https://www.adservio.ro/admitere/facultatea-de-horticultura-2">https://www.adservio.ro/admitere/facultatea-de-horticultura-2</a>	University of Agricultural Sciences and Husbandry "Ion Ionescu de la Brad", Iași, Faculty of Horticulture
Mountain Science	<a href="https://www.adservio.ro/admitere/facultatea-de-agricultura-">https://www.adservio.ro/admitere/facultatea-de-agricultura-</a>	University of Agricultural Sciences and Husbandry "Ion Ionescu de la Brad", Iași, Faculty of Agriculture
Consumer and Environment protection	<a href="https://www.adservio.ro/admitere/facultatea-de-agricultura">https://www.adservio.ro/admitere/facultatea-de-agricultura</a>	University of Agricultural Sciences and Husbandry "Ion Ionescu de la Brad", Iași, Faculty of Agriculture
Engineering of sustainable rural development	<a href="https://www.adservio.ro/admitere/facultatea-de-inginerie-331">https://www.adservio.ro/admitere/facultatea-de-inginerie-331</a>	"Vasile Alecsandri" University Bacau, Faculty of Engineering
Engineering and Environmental protection in industry		"Vasile Alecsandri" University Bacau, Faculty of Engineering
Chemical engineering/Engineering of anorganic substances and environmental protection	<a href="https://www.adservio.ro/admitere/facultatea-de-inginerie-chimica-si-protectia-mediului-33">https://www.adservio.ro/admitere/facultatea-de-inginerie-chimica-si-protectia-mediului-33</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Chemical Engineering and Environmental Protection
Engineering and environmental protection in industry	<a href="https://www.adservio.ro/admitere/facultatea-de-inginerie-chimica-si-protectia-mediului-33">https://www.adservio.ro/admitere/facultatea-de-inginerie-chimica-si-protectia-mediului-33</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Chemical Engineering and Environmental Protection
Engineering of nonpolluting procedures	<a href="http://www.ch.tuiasi.ro/042master.html">http://www.ch.tuiasi.ro/042master.html</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Chemical Engineering and Environmental Protection
Management of the environment	<a href="http://www.ch.tuiasi.ro/042master.html">http://www.ch.tuiasi.ro/042master.html</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Chemical Engineering and Environmental Protection
Environmental management and sustainable energy	<a href="http://www.ch.tuiasi.ro/042master.html">http://www.ch.tuiasi.ro/042master.html</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Chemical Engineering and Environmental Protection
Environmental Engineering and environmental protection in agriculture	<a href="https://www.adservio.ro/admitere/facultatea-de-hidrotehnica-geodezie-si-ingineria-mediului-32">https://www.adservio.ro/admitere/facultatea-de-hidrotehnica-geodezie-si-ingineria-mediului-32</a>	"Gheorghe Asachi" Technical University, Iasi, Faculty of Hydrotechnic, Geodesy and Environmental Engineering
Ecology and environmental protection	<a href="https://www.adservio.ro/admitere/facultatea-de-stiinte-364">https://www.adservio.ro/admitere/facultatea-de-stiinte-364</a> <a href="http://www.ub.ro/stiinte">http://www.ub.ro/stiinte</a>	"Vasile Alecsandri" University, Faculty of Sciences, Bacau

Urban engineering and regional development	<a href="http://civile.utcb.ro/">http://civile.utcb.ro/</a>	Technical University of Civil Engineering Bucharest, Faculty of Civil, Industrial and Agricultural buildings
1 Sanitary Engineering and environmental protection	<a href="http://hidrotehnica.utcb.ro/isanitara.htm">http://hidrotehnica.utcb.ro/isanitara.htm</a>	Technical University of Civil Engineering Bucharest Faculty de Hidrotehnic
Urban Planning and Territorial Development	<a href="https://www.uauim.ro/en/departments/ut/">https://www.uauim.ro/en/departments/ut/</a>	"Ion Mincu" University of Architecture and Urbanism, Bucharest
Environmental Science, Ecology Ecology	<a href="http://www.unibuc.ro/facultati/biologie/">http://www.unibuc.ro/facultati/biologie/</a> <a href="http://www.bio.unibuc.ro/index.php?option=com_content&amp;view=article&amp;id=99&amp;Itemid=86">http://www.bio.unibuc.ro/index.php?option=com_content&amp;view=article&amp;id=99&amp;Itemid=86</a>	University of Bucharest, Faculty of Biology
Environmental Science. Chemistry of the Environment	<a href="http://www.unibuc.ro/facultati/chimie/">http://www.unibuc.ro/facultati/chimie/</a>	University of Bucharest, Faculty of Chemistry
Science of the Environment	<a href="http://www.unibuc.ro/depts/geografie/meteorologie_si_hidrologie/index.php">http://www.unibuc.ro/depts/geografie/meteorologie_si_hidrologie/index.php</a>	University of Bucharest, Faculty of Geography
Environmental engineering Evaluation, monitoring and audit of the environment	<a href="http://193.231.35.9/7upload/oferta_educationala_ingineria_mediului_zi.pdf">http://193.231.35.9/7upload/oferta_educationala_ingineria_mediului_zi.pdf</a>	"1 Decembrie 1918" University, Alba Iulia
Consumer and environment protection	<a href="http://uav.ro/ro/facultati/inginerie-alimentara-turism-si-protectia-mediului/protectia-consumatorului-si-a-mediului">http://uav.ro/ro/facultati/inginerie-alimentara-turism-si-protectia-mediului/protectia-consumatorului-si-a-mediului</a>	"Aurel Vlaicu" University, Arad
Engineering and Environmental protection in industry (35/5)	<a href="https://www.utcluj.ro/admitere/licenta/ingineria-materialelor-si-a-mediului/">https://www.utcluj.ro/admitere/licenta/ingineria-materialelor-si-a-mediului/</a>	Technical University Cluj Napoca, Faculty of Materials Engineering and Environment
Science of the environment Engineering of renewable energy systems	<a href="https://www.utcluj.ro/admitere/licenta/cunbm-stiinte/">https://www.utcluj.ro/admitere/licenta/cunbm-stiinte/</a> <a href="http://www.unitbv.ro/Programedestudii/Programedestudiidelicenta.aspx">http://www.unitbv.ro/Programedestudii/Programedestudiidelicenta.aspx</a>	Technical University Cluj Napoca, Faculty of Science "Transilvania" University Brasov, Faculty of Industrial engineering
Transport security and interactions with environment	<a href="http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master/IM_master_SRTIM_RO.pdf">http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master/IM_master_SRTIM_RO.pdf</a>	"Transilvania" University Brasov, Faculty of Industrial engineering
Product design for sustainable development and environmental protection	<a href="http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master/DPM_master_DPDD_RO.pdf">http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master/DPM_master_DPDD_RO.pdf</a>	"Transilvania" University Brasov, Faculty of Industrial engineering
ECO agricultural and food biotechnologies	<a href="http://www.unitbv.ro/Programedestudii/Programedestudiidemaster.aspx">http://www.unitbv.ro/Programedestudii/Programedestudiidemaster.aspx</a>	"Transilvania" University Brasov, Faculty of Industrial engineering
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Motors and environment	<a href="http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master%20IFR/IM_master_AM_FR_RO.pdf">http://www.unitbv.ro/Portals/0/Programe%20de%20studii/Master%20IFR/IM_master_AM_FR_RO.pdf</a>	"Transilvania" University Brasov, Faculty of Engineering Sciences
Environmental engineering	<a href="http://agricultura.usamvcluj.ro/index.php/programe-de-studiu/licenta">http://agricultura.usamvcluj.ro/index.php/programe-de-studiu/licenta</a>	University of Agricultural Sciences and Veterinary Medicine, Faculty of Agriculture

Organic agriculture Management of natural agro-touristic resources Agriculture, climat changes and food safety	<a href="http://agricultura.usamvcluj.ro/index.php/programe-de-studiu/master">http://agricultura.usamvcluj.ro/index.php/programe-de-studiu/master</a>	University of Agricultural Sciences and Veterinary Medicine, Faculty of Agriculture
Engineering of anorganic substances and environmental protection	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#chimie_si_inginerie_chimica">http://www.ubbcluj.ro/ro/programe_academice/licenta/#chimie_si_inginerie_chimica</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Chemistry and Chemical Engineering
Chemical control of environment quality	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#chimie_si_inginerie_chimica">http://www.ubbcluj.ro/ro/programe_academice/masterat/#chimie_si_inginerie_chimica</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Chemistry and Chemical Engineering
Engineering of material and environment protection	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#chimie_si_inginerie_chimica">http://www.ubbcluj.ro/ro/programe_academice/masterat/#chimie_si_inginerie_chimica</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Chemistry and Chemical Engineering
Ecology and environmental protection	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#biologie_si_geologie">http://www.ubbcluj.ro/ro/programe_academice/licenta/#biologie_si_geologie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Biology and Geology
Industrial biotechnologies	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#biologie_si_geologie">http://www.ubbcluj.ro/ro/programe_academice/licenta/#biologie_si_geologie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Biology and Geology
Cultural ecology	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#biologie_si_geologie">http://www.ubbcluj.ro/ro/programe_academice/masterat/#biologie_si_geologie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Biology and Geology
Use and protection of biological resources	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#biologie_si_geologie">http://www.ubbcluj.ro/ro/programe_academice/masterat/#biologie_si_geologie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Biology and Geology
Environmental geography	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#geografie">http://www.ubbcluj.ro/ro/programe_academice/licenta/#geografie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Geography
Hydrology, Meteorology	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#geografie">http://www.ubbcluj.ro/ro/programe_academice/licenta/#geografie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Geography
Ecotourism and sustainable development	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie">http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Geography
Assessment of resources and sustainable territorial development	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie">http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Geography
Resources and risks within hydro-atmosphere environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie">http://www.ubbcluj.ro/ro/programe_academice/masterat/#geografie</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Geography
Environmental engineering	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Engineering of biotechnical and ecological systems	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Geography of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Science of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/licenta/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Quality of the environment and energy resources	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Risk assessment and security of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Assessment and management of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Assessment and environment protection	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Climatic changes and extreme risk phenomena	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Sustainable development and management of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinta_si_ingineria_mediului</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Engineering of waste use	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/">http://www.ubbcluj.ro/ro/programe_academice/masterat/</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of



	<a href="#">#stiinta_si_ingineria_mediului</a>	Science and Environmental Engineering
Sustainable regional development	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Science and Environmental Engineering
Economy of the environment	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Economics and Business Administration
Economy of natural resources	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Economics and Business Administration
European strategy for sustainable development	<a href="http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor">http://www.ubbcluj.ro/ro/programe_academice/masterat/#stiinte_economice_si_gestiunea_afacerilor</a>	"Babes Bolyai" University, Cluj Napoca, Faculty of Economics and Business Administration
Chemistry and management of food quality in relation with the environment	<a href="http://fsai.univ-ovidius.ro/programe-de-studii/master">http://fsai.univ-ovidius.ro/programe-de-studii/master</a>	"Ovidius" University Constanta, Faculty of Applied Sciences and Engineering
Engineering of systems with renewable energy sources	<a href="http://fsai.univ-ovidius.ro/programe-de-studii/master">http://fsai.univ-ovidius.ro/programe-de-studii/master</a>	"Ovidius" University Constanta, Faculty of Applied Sciences and Engineering
Ecology and environmental protection	<a href="http://snsa.univ-ovidius.ro/programe-de-studii/licenta">http://snsa.univ-ovidius.ro/programe-de-studii/licenta</a>	"Ovidius" University Constanta, Faculty of Nature and Agricultural Sciences
Science of the environment	<a href="http://snsa.univ-ovidius.ro/programe-de-studii/licenta">http://snsa.univ-ovidius.ro/programe-de-studii/licenta</a>	"Ovidius" University Constanta, Faculty of Nature and Agricultural Sciences
Conservation of biodiversity	<a href="http://snsa.univ-ovidius.ro/programe-de-studii/master">http://snsa.univ-ovidius.ro/programe-de-studii/master</a>	"Ovidius" University Constanta, Faculty of Nature and Agricultural Sciences
Analysis and assessment of environmental impact	<a href="http://snsa.univ-ovidius.ro/programe-de-studii/master">http://snsa.univ-ovidius.ro/programe-de-studii/master</a>	"Ovidius" University Constanta, Faculty of Nature and Agricultural Sciences
Sustainable development of costal zones	<a href="http://snsa.univ-ovidius.ro/programe-de-studii/master">http://snsa.univ-ovidius.ro/programe-de-studii/master</a>	"Ovidius" University Constanta, Faculty of Nature and Agricultural Sciences
Mountain science	<a href="http://www.agro-craiova.ro/scolarizare/licenta/oferta-educationala/">http://www.agro-craiova.ro/scolarizare/licenta/oferta-educationala/</a>	University of Craiova, Faculty of Agriculture
Environmental protection in agriculture	<a href="http://www.agro-craiova.ro/scolarizare/master/oferta-educationala-master/">http://www.agro-craiova.ro/scolarizare/master/oferta-educationala-master/</a>	University of Craiova, Faculty of Agriculture
Environmental engineering	<a href="http://horticultura.ucv.ro/horticultura/licen%C8%9B%C4%83">http://horticultura.ucv.ro/horticultura/licen%C8%9B%C4%83</a>	University of Craiova, Faculty of Horticulture
Ecological management of natural resources	<a href="http://horticultura.ucv.ro/horticultura/master">http://horticultura.ucv.ro/horticultura/master</a>	University of Craiova, Faculty of Horticulture
Biodiversity and conservation of ecosystems	<a href="http://horticultura.ucv.ro/horticultura/master">http://horticultura.ucv.ro/horticultura/master</a>	University of Craiova, Faculty of Horticulture
Chemistry of the environment	<a href="http://chimie.ucv.ro/admitere/licenta.htm">http://chimie.ucv.ro/admitere/licenta.htm</a>	University of Craiova, Faculty of Science
Physics of the environment	<a href="http://cis01.central.ucv.ro/physics/ro/licenta.html">http://cis01.central.ucv.ro/physics/ro/licenta.html</a>	University of Craiova, Faculty of Science
Engineering and environmental protection in industry	<a href="http://ie.ucv.ro/index.php/educatie/programe-de-studii/licenta-programe-de-studii-educatie/ingineria-mediului/ipmi-mediu-licenta-programe-educatie">http://ie.ucv.ro/index.php/educatie/programe-de-studii/licenta-programe-de-studii-educatie/ingineria-mediului/ipmi-mediu-licenta-programe-educatie</a>	University of Craiova, Faculty of Electrical Engineering
Applied electrical engineering in the management and protection of the environment	<a href="http://ie.ucv.ro/index.php/educatie/programe-de-studii/master-programe-de-studii-educatie">http://ie.ucv.ro/index.php/educatie/programe-de-studii/master-programe-de-studii-educatie</a>	University of Craiova, Faculty of Electrical Engineering
Engineering and environmental protection in industry	<a href="http://www.ugal.ro/studii/studii-universitare-licenta">http://www.ugal.ro/studii/studii-universitare-licenta</a>	"Dunarea de Jos" University, Galati, Faculty of Engineering
Engineering of biotechnical and ecological systems	<a href="http://www.ugal.ro/studii/studii-universitare-licenta">http://www.ugal.ro/studii/studii-universitare-licenta</a>	"Dunarea de Jos" University, Galati, Faculty of Engineering and Agronomy
Ecology and environment protection	<a href="http://www.ugal.ro/studii/studii-universitare-licenta">http://www.ugal.ro/studii/studii-universitare-licenta</a>	"Dunarea de Jos" University, Galati, Faculty of Sciences and Food Engineering

Science of environment	<a href="http://www.ugal.ro/studii/studii-universitare-licenta">http://www.ugal.ro/studii/studii-universitare-licenta</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Environment
Heat systems and equipments and environmental protection	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Engineering
Quality of the environment and sustainable development	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Engineering
Energy efficient use and renewable sources	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Computers, Electrical Engineering and Electronics
Engineering and environmental protection	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Engineering and Agronomy
Biotechnology of natural resources	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Food Engineering
Control and assessment of environmental quality	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Food Engineering
Monitoring and management of the environment	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Environment
Science – integrative approach of natural sciences	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Environment
Assessment of physical, chemical and biodiversity of the environment	<a href="http://www.ugal.ro/studii/studii-universitare-masterat">http://www.ugal.ro/studii/studii-universitare-masterat</a>	“Dunarea de Jos” University, Galati, Faculty of Sciences and Environment
Ecology and environmental protection	<a href="http://www.uaic.ro/studii/studii-universitare-de-licenta/">http://www.uaic.ro/studii/studii-universitare-de-licenta/</a>	“Al. I. Cuza” University, Iasi, Faculty of Biology
Meteorology, Hydrology	<a href="http://www.uaic.ro/studii/studii-universitare-de-licenta/">http://www.uaic.ro/studii/studii-universitare-de-licenta/</a>	“Al. I. Cuza” University, Iasi, Faculty of Geography and Geology
Geography of environment	<a href="http://www.uaic.ro/studii/studii-universitare-de-licenta/">http://www.uaic.ro/studii/studii-universitare-de-licenta/</a>	“Al. I. Cuza” University, Iasi, Faculty of Geography and Geology
Conservation of biodiversity	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Biology
Environmental counseling	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Biology
Chemistry of the environment	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Chemistry
Physics and environmental protection	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Physics
Present environment and sustainable development	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Geography and Geology
Geochemistry of the environment	<a href="http://www.uaic.ro/studii/studii-universitare-de-masterat/">http://www.uaic.ro/studii/studii-universitare-de-masterat/</a>	“Al. I. Cuza” University, Iasi, Faculty of Geography and Geology
Sanitary engineering and environmental protection	<a href="http://www.arhiconoradea.ro/specializari.htm">http://www.arhiconoradea.ro/specializari.htm</a>	University of Oradea, Faculty of Constructions, Cadastre and Architecture
Management, assessment, conservation and environmental protection	<a href="http://geografie-uradea.ro/geografie_turism_si_sport/Oferta.htm">http://geografie-uradea.ro/geografie_turism_si_sport/Oferta.htm</a>	University of Oradea, Faculty of Geography, Tourism and Sport
Engineering of renewable energy systems	<a href="http://www.energetica-oradea.ro/licenta">http://www.energetica-oradea.ro/licenta</a>	University of Oradea, Faculty of Energy Engineering and Industrial Management
Renewable energies	<a href="http://www.energetica-oradea.ro/master">http://www.energetica-oradea.ro/master</a>	University of Oradea, Faculty of Energy Engineering and Industrial Management
Engineering of biotechnical and ecological systems	<a href="http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html">http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html</a>	University of Oradea, Faculty of Environmental Protection
Sustainable use of forest resources	<a href="http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html">http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html</a>	University of Oradea, Faculty of Environmental Protection
Management of disasters and crisis in agriculture, forestry and food industry	<a href="http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html">http://protmed.uoradea.ro/facultate/programe_studiu_planuri_invatamant.html</a>	University of Oradea, Faculty of Environmental Protection
Environmental engineering and work	<a href="http://protmed.uoradea.ro/facultate/">http://protmed.uoradea.ro/facultate/</a>	University of Oradea, Faculty of Environmental

safety	<a href="#">programe_studiu_planuri_invatamant.html</a>	Protection
Biodiversity and ecosystems monitoring	<a href="http://www.facultatea-stiinte-oradea.ro/master">http://www.facultatea-stiinte-oradea.ro/master</a>	University of Oradea, Faculty of Sciences
Engineering and environmental protection in industry	<a href="http://www.upet.ro/licenta.php">http://www.upet.ro/licenta.php</a>	University of Petrosani, Faculty of Mining
Engineering of waste use	<a href="http://www.upet.ro/licenta.php">http://www.upet.ro/licenta.php</a>	University of Petrosani, Faculty of Mining
Impact assessment upon environment and ecological reconstruction	<a href="http://www.upet.ro/master.php">http://www.upet.ro/master.php</a>	University of Petrosani, Faculty of Mining
Control and monitoring of environmental quality	<a href="http://www.upet.ro/master.php">http://www.upet.ro/master.php</a>	University of Petrosani, Faculty of Mining
Sustainable exploitation of mineral resources	<a href="http://www.upet.ro/master.php">http://www.upet.ro/master.php</a>	University of Petrosani, Faculty of Mining
Environmental engineering	<a href="https://www.upit.ro/en/licenta">https://www.upit.ro/en/licenta</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Ecology and environmental protection	<a href="https://www.upit.ro/en/licenta">https://www.upit.ro/en/licenta</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Technologies for sustainable development	<a href="https://www.upit.ro/en/master">https://www.upit.ro/en/master</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Monitoring and environmental protection	<a href="https://www.upit.ro/en/master">https://www.upit.ro/en/master</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Conservation and nature protection	<a href="https://www.upit.ro/en/master">https://www.upit.ro/en/master</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Interdisciplinary applications in natural sciences	<a href="https://www.upit.ro/en/master">https://www.upit.ro/en/master</a>	University of Pitesti, Faculty of Sciences, Sport and Informatics
Engineering and environmental protection in industry	<a href="http://www.upg-ploiesti.ro/fisiere/2917/Oferta_educationala_licenta_2015-2016.pdf">http://www.upg-ploiesti.ro/fisiere/2917/Oferta_educationala_licenta_2015-2016.pdf</a>	Petroleum-Gas University Ploiesti, Faculty of Oil Technology and Petroleum Chemistry
Advanced technologies in environmental protection engineering	<a href="http://www.upg-ploiesti.ro/fisiere/2828/Oferta_educationala_Master_2015-2016.pdf">http://www.upg-ploiesti.ro/fisiere/2828/Oferta_educationala_Master_2015-2016.pdf</a>	Petroleum-Gas University Ploiesti, Faculty of Oil Technology and Petroleum Chemistry
Quality control of products and environmental factors	<a href="http://www.upg-ploiesti.ro/fisiere/2828/Oferta_educationala_Master_2015-2016.pdf">http://www.upg-ploiesti.ro/fisiere/2828/Oferta_educationala_Master_2015-2016.pdf</a>	Petroleum-Gas University Ploiesti, Faculty of Oil Technology and Petroleum Chemistry
Environmental engineering and environmental protection in industry	<a href="http://www.ulbsibiu.ro/ro/admitere/facultati.php">http://www.ulbsibiu.ro/ro/admitere/facultati.php</a>	"Lucian Blaga" University Sibiu, Faculty of Engineering
Ecology and environmental protection	<a href="http://www.ulbsibiu.ro/ro/admitere/facultati.php">http://www.ulbsibiu.ro/ro/admitere/facultati.php</a>	"Lucian Blaga" University Sibiu, Faculty of Sciences
Environmental engineering	<a href="http://www.ulbsibiu.ro/ro/admitere/facultati.php">http://www.ulbsibiu.ro/ro/admitere/facultati.php</a>	"Lucian Blaga" University Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection
Consumer and environment protection	<a href="http://www.admitere.usv.ro/?page_id=818">http://www.admitere.usv.ro/?page_id=818</a>	"Stefan cel Mare" University, Suceava, Faculty of Food Engineering
Geography of environment	<a href="http://www.admitere.usv.ro/?page_id=818">http://www.admitere.usv.ro/?page_id=818</a>	"Stefan cel Mare" University, Suceava Faculty of History and Geography
Ecology and environment protection	<a href="http://www.admitere.usv.ro/?page_id=818">http://www.admitere.usv.ro/?page_id=818</a>	"Stefan cel Mare" University, Suceava Faculty of Forestry
Management of environment and food security	<a href="http://www.admitere.usv.ro/?page_id=828">http://www.admitere.usv.ro/?page_id=828</a>	"Stefan cel Mare" University, Suceava Faculty of Food Engineering
Conservation of biodiversity	<a href="http://www.admitere.usv.ro/?page_id=828">http://www.admitere.usv.ro/?page_id=828</a>	"Stefan cel Mare" University, Suceava Faculty of Forestry
Physical and chemical methods of life and environment quality control	<a href="https://www.valahia.ro/ro/facultati/29-facultatea-de-stiinte-si-arte">https://www.valahia.ro/ro/facultati/29-facultatea-de-stiinte-si-arte</a>	"Valahia" University, Targoviste, Faculty of Sciences and Arts
Engineering and Environmental protection in agriculture	<a href="https://www.valahia.ro/ro/facultati/32-facultatea-de-ingineria-mediului-si-stiinta-alimentelor">https://www.valahia.ro/ro/facultati/32-facultatea-de-ingineria-mediului-si-stiinta-alimentelor</a>	"Valahia" University, Targoviste, Faculty of Environmental Engineering and Food Science

Systems of control and assessment of environment quality	<a href="https://www.valahia.ro/ro/facultati/32-facultatea-de-ingineria-mediului-si-stiinta-alimentelor">https://www.valahia.ro/ro/facultati/32-facultatea-de-ingineria-mediului-si-stiinta-alimentelor</a>	“Valahia” University, Targoviste, Faculty of Environmental Engineering and Food Science
Engineering and environmental protection in industry		“Constantin Brancusi” University, Targu Jiu, Faculty of Engineering and Sustainable development
Engineering and environmental protection in industry	<a href="http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html">http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html</a>	Banat’s University of Agricultural Sciences and Veterinary Medicine of Timișoara, Faculty of Agriculture
Ecological agriculture	<a href="http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html">http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html</a>	Banat’s University of Agricultural Sciences and Veterinary Medicine of Timișoara, Faculty of Agriculture
The assessment of environment and natural resources	<a href="http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html">http://www.usab-tm.ro/USAMVBT_Ingineria-si-protectia-mediului-in-agricultura_ro_1444.html</a>	Banat’s University of Agricultural Sciences and Veterinary Medicine of Timișoara, Faculty of Agriculture
Science of environment	<a href="https://www.cbg.uvt.ro/educatie/programe-licenta/">https://www.cbg.uvt.ro/educatie/programe-licenta/</a>	West University Timisoara, Faculty of Chemistry, Biology, Geography
Engineering of anorganic substances and environment protection	<a href="http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2016-2017_772_ro.html">http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2016-2017_772_ro.html</a>	Politechnical University, Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
Engineering and environmental protection in industry	<a href="http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2016-2017_772_ro.html">http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2016-2017_772_ro.html</a>	Politechnical University, Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
Engineering and environmental management in industry	<a href="http://www.upt.ro/Informatii_programe-de-studii-universitare-de-master-2016-2017_793_ro.html">http://www.upt.ro/Informatii_programe-de-studii-universitare-de-master-2016-2017_793_ro.html</a>	Politechnical University, Timisoara, Faculty of Industrial Chemistry and Environmental Engineering

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