



**Partner Meeting**  
18/10/2017 in  
Oradea, Romania

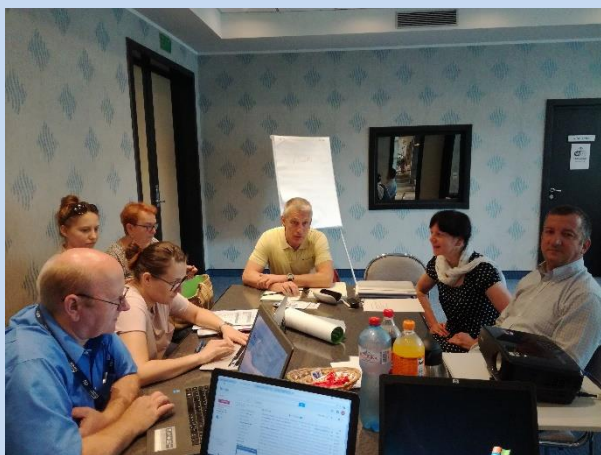
**Multiplier**  
Meeting 23/05/2018  
- 24/05/2018 in  
Oradea, Romania

**Final Conference**  
23/08/2018 -  
24/08/2018 in  
Berlin, Germany

**Project Results**

Partner Meeting in Oradea, Romania took place in 18/10/2017

The curriculum was presented and discussed in depth.



Multiplier Meeting in Oradea, Romania from 23/05/2018 until 24/05/2018



The topics were Curriculum content.

# FINAL CONFERENCE

23/08/2018 – 24/08/2018 in Berlin, Germany

## EUBILD UNAKLIM

European Educational Concept in Environmental-, Nature- and Climate protection to safeguard a cross-border sustainable development

Final Conference in Berlin 23rd / 24th August 2018

We are proud to present 20 posters of ERASMUS and other scientific projects.

The questionnaire results on the expectations of employees and furthering education courses from the point of view employers and course providers were presented. And surprising differences of opinions between employers and course providers were detected by the statistical evaluation.

The testrun concept of the course implementation was also presented.

The second day contained excursions to the Peter Lenné - Oberstufenzentrum für Natur und Umwelt in Berlin and to the EUREF Campus for green startups.



Dr. Susanne Rahner lecture - Test Run / Implementation Concept



Networking - Poster Show

Excursions to the Peter Lenné School



Participants of conference



Networking - project partners



Excursions to the EUREF campus



Mineral and Energy  
Economy Research  
Institute  
Polish Academy of Sciences





# PROJECT RESULTS

- Curriculum of the course
- Training letter of 2 modules: Geothermal and Photovoltaic
- Handbook on an online course for a Solar Plant in Romania.
- Comparative study on green Jobs in the 4 partner countries Questionnaire results as a separate part of the study

ERASMUS Plus Final Conference 23 | 24.8.2018 in Berlin  
EUBILD-UNAKLIM 2016-1-CE22-KA201-002254

## Job Offers and Potentials in Green Jobs in Germany, Hungary, Poland and Romania

### Germany

One task in the project was to search job offers in the 4 consortium countries, finding the numbers of open jobs, the sectors and % distribution of the relevant job portals. A ranking and % distribution of the jobs was performed. The search was performed between November 2016 – February 2017.

**Germany:**

- Search in 32 „Green“ Job Portals
- 16.778 Job ads identified
- About 10% of duplicates noted
- Genuine ads: 15.100
- Equates to 2.29% of the annual total job offerings (660.825 as reported by the German Federal Statistics Office)
- [www.Greenjobs.de](http://www.Greenjobs.de)

**Results: open Job ranking: positions and percentage. The red arrow shows where our potential course will give input to add „green“ knowledge to the job descriptions.**

**Thematic inputs planned in Furthering Education course**

- Construction and architecture
- Education and communication
- Energy
- Soil & ground
- Business management
- Spatial planning
- Industry and engineering
- Agri-food
- Water
- Construction and...
- Natural environment...
- Spatial Planning
- Air and climate
- Soil and agriculture
- Agriculture
- Risk (inspector of the...)
- Education and...
- Transport

**Results: Most green jobs are offered in the sectors: Energy (30%), general services (16%), environmental services (15%), processing trade (15%). In total 76% of all job offers.**

**Thematic inputs can be given in our courses in all the designated Job positions.**

[www.projekt-eubild.jimdo.com](http://www.projekt-eubild.jimdo.com)    [winter@ubb.de](mailto:winter@ubb.de)    [info@yggdrasil-dr-rahn.de](mailto:info@yggdrasil-dr-rahn.de)

ERASMUS Plus Final Conference 23 | 24.8.2018 in Berlin  
EUBILD-UNAKLIM 2016-1-CE22-KA201-002254

## Job Offers and Potentials in Green Jobs in Germany, Hungary, Poland and Romania

### Romania

The search was made using two levels of search:

- national database
- 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. **61 databases in Romania and abroad were searched.** The search was performed between November 2016 – February 2017.

**Job Offer Ranking**

**Current 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).**

**Challenges of the topic:**  
The classification made by National Occupation Classifications tried to make a revision of the occupations according to International Standards of Occupations (ISCO 08). This revision was made using a "cross check" with following items:

- Description of the occupations
- Comparison with the occupational standards which are already in use

**It's 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.**

ERASMUS Plus Final Conference 23 | 24.8.2018 in Berlin  
EUBILD-UNAKLIM 2016-1-CE22-KA201-002254

## Job Offers and Potentials in Green Jobs in Germany, Hungary, Poland and Romania

### Poland

As a part of the Output 1 research, a few job portals were searched. The largest one is **pracuj.pl** but in Polish labour market was founded only one portal (regularly updated), specialised in green jobs – portal [www.teraz-rodowisko.pl](http://www.teraz-rodowisko.pl). The total of 215 offers in the green topics were found in this portal between February and April 2017.

Currently among all green job offers the most numerous were in the environmental management (21%) energy sector (14%), 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).

**Job Offer Findings and Ranking**

**Conclusions**  
**-In Poland, develop of green job sector is slower than for e.g. in Germany.**  
In Germany, thanks to the implementation of a series of activation and support measures, about 350.000 green jobs have already been generated. In Poland this type of statistics has not been started yet, and the modernisation of the energy sector is proceeding very slowly (lack of support for pro-consumer and civic energy) (Biuletyn Mazowieckiego Obserwatorium Rynku Pracy, March 2015).  
**"Lack of systematic analysis of the sectors and industries (indicators) -> identify and remove barriers"**  
**"No official definition of "green jobs", "green economy", "green sectors in the economy" in Poland.**

ERASMUS Plus Final Conference 23 | 24.8.2018 in Berlin  
EUBILD-UNAKLIM 2016-1-CE22-KA201-002254

## Job Offers and Potentials in Green Jobs in Germany, Hungary, Poland and Romania

### Hungary

Green jobs is not a priority in job advertisements. It is difficult to decide what is a green job: any job done in a green economy (eg a driver) or a job is not a green economy, but it can be classified as a green job (eg. Environmental protection worker).

Our research was conducted on the [www.profession.hu](http://www.profession.hu) website between 1 March and 30 April 2017, for 60 days, where the full offer was published, and from 1 to 30 June 2017. We were looking for bids on a green jobs portal where jobs are considered a green job by our self-classification, so the jobs advertised here are also diverse (eg cook).

During the first period, from March 1 to April 30, 2017, during the 60-day period, we have found the following job offers at the [www.profession.hu](http://www.profession.hu) job offer website, which has been taken over by other websites: [www.workania.hu](http://www.workania.hu)

Our working method: we were looking for jobs on the site for the project, then we opened the whole offer, read the details, and decided whether the employer's institution or organisation could be classified in the green economy.

**Summary of research in green job offers:**  
We asked the Ministry of National Economy for help if they have a database that separates the green jobs – the answer was that there is no such report at the national level.  
The green topic is not so big to get into larger specifications or to make separate statistics, to get attention. There is an aspiration to strike this strategy – but we look at the current labor market, we see that we are not focusing on this. In the tendencies there is an increase in this area, and this is not controversial.  
The size of Hungarian job market is not comparable with the larger EU countries job markets – especially not in green jobs.

It is the knowledge Transfer potential of our project.



ERASMUS Plus Final Conference 23. / 24.8.2018 in Berlin  
EUBILD-UNAKLIM 2016-1-DE02-KA204-003254



**European Furthering Education Concept in Environmental-, Nature- and Climate protection to safeguard a cross-border Sustainable Development - Knowledge Transfer Potential of international Courses**



**Target Group:** Adults looking for work, graduates, university drop-outs, people working in jobs below the vocational education level, people in re-orientation phase, people generally interested

Partner	Country	Core Business	Task in Project
ubb e.V.	DE	Ecological and user customer information. Working measures for the unemployed in environmental protection and sustainable development, project design and implementation	Coordination and Management. Study on job opportunities and furthering education courses in the Green sector in the 4 partner countries, Curriculum design
Academy of Sciences	PL	Geology, Mining, Geothermal topics, Feasibility studies	Contributions to study and curriculum design, Model Training Letter, i.e. Geothermal topic
University of Oradea	RO	Geographical Information Systems in the interdisciplinary context (GIS), e-Learning Tools	Solar Plant in the field, as field laboratory for barrier-free learning
Polip e.V.	HU	Youth work, intercultural youth Center, Youth exchange Events and Projects with young people	Newsletter, Stakeholder-Networking, build further networks, dissemination
SRH University	DE	International University of Applied Sciences for International Management and Renewable Energies	Website, International Online-Questionnaire on jobs in the green economy, Summer School for Renewable Energies, Training Letters and Digital Learning

Success Indicators	visible / measurable in
<b>Medium- and long-term Results</b>	
better economic data	economic data in publications and databases
more "Green" activities	economic and environmental data in publications and databases
more jobs	economic data in publications and databases
"Green" Politics	political programmes and guidelines
fewer qualified persons leave Europe in search for jobs	economic data
<b>Benefit for target Group</b>	
increased participant mobility	Enterprise data, travel data, job data
more Feedback, discussions	Websites, Social Networks
new networks and exchange of ideas	Platforms, Websites, Social Networks
more job offers	Job offers, databases
fewer persons leave the country in search for jobs	Country statistics
more jobs for the target group	Job data, economic data
<b>Results and Products</b>	
many interested people use the solar plant and the information	University grounds, university information and website
many people use the internet platform	University and project website, internet
Training letters are valued and well used	University and project website, internet
Positive Feedback by experts and users	University and project website, internet
Study meets broad public interest, many questions, feedback and remarks to us	Homepage(s), open-access in internet
<b>Activities</b>	
Number of replies, useful answers	internal project data, ECAS
Number and quality of research results	internal project data, ECAS
Number of replies, useful answers	internal project data, ECAS
number of addresses sent to, positive reader-feedback	sent to interested stakeholders, and on project homepage
positive partner-feedback, good ideas, high-quality minutes	meeting minutes, ECAS
participants feedback, number of events well attended, number of conferences proceedings and target addresses sent	conference presentations, participants lists

Core goals and results
<b>Medium- and long-term Results</b>
stronger regions
stronger environmental awareness and sustainable development
meet the demand for new knowledge
alter awareness for policies and politics
make Europe competitive, keep Europe competitive
<b>Benefit for target Groups</b>
internationalising
Awareness for environmental topics
more networks
new Jobs
open access to knowledge, people do not leave the region
new cross-sector and complementary knowledge
<b>Results and Products</b>
Solar-Plant and practice-oriented learning
Open-Access Online Platform for course
Modell-Training Letter
Course curriculum
Study on open jobs and furthering education courses in the "Green Economy"
<b>Activities</b>
Questionnaire activity
Interviews
Research about jobs in the "Green Economy"
Newsletter on Project activities
Partner Meetings / Skypes
Presentation, dissemination

Transferable	to
<ul style="list-style-type: none"> <li>● well transferable, short time line, "quick win"</li> <li>● well transferable, medium timeline</li> <li>● difficult to transfer and / or long-term effect</li> </ul>	
● →	different regions
● →	different regions, jobs and sectors
● →	different regions, jobs and sectors
● →	political parties, other countries
● →	courses could be designed outside Europe
● →	different target groups family, friends schools, colleges, universities other countries
● →	other groups (economy, transport, education) other countries
● →	other country-networks different topics and sectors
● →	new job areas and topics, new job portals, other portals, different regions
● →	different regions, different topics
● →	different topics, target groups and countries
● →	different topics, different locations
● →	different topics and languages
● →	different topics and languages
● →	different topics, languages and target groups
● →	different topics, target groups and countries
● →	different topics, target groups and countries
● →	different topics, target groups and countries
● →	different topics, target groups and countries
● →	different topics, target groups and countries
● →	different topics, target groups and countries

[www.projekt-eubild.jimdo.com](http://www.projekt-eubild.jimdo.com)

[winter@ubb.de](mailto:winter@ubb.de)

[info@yggdrasil-dr-rahner.de](mailto:info@yggdrasil-dr-rahner.de)



Mineral and Energy Economy Research Institute  
Polish Academy of Sciences

