

Partnership for a better future

www.interreg-rohu.eu

GREEN SKILLS PLATFORM FOR SUSTAINABLE EMPLOYMENT DEVELOPMENT (GREENSEED)

Open Day
24.02.2020, Timișoara



Partnership for a better future

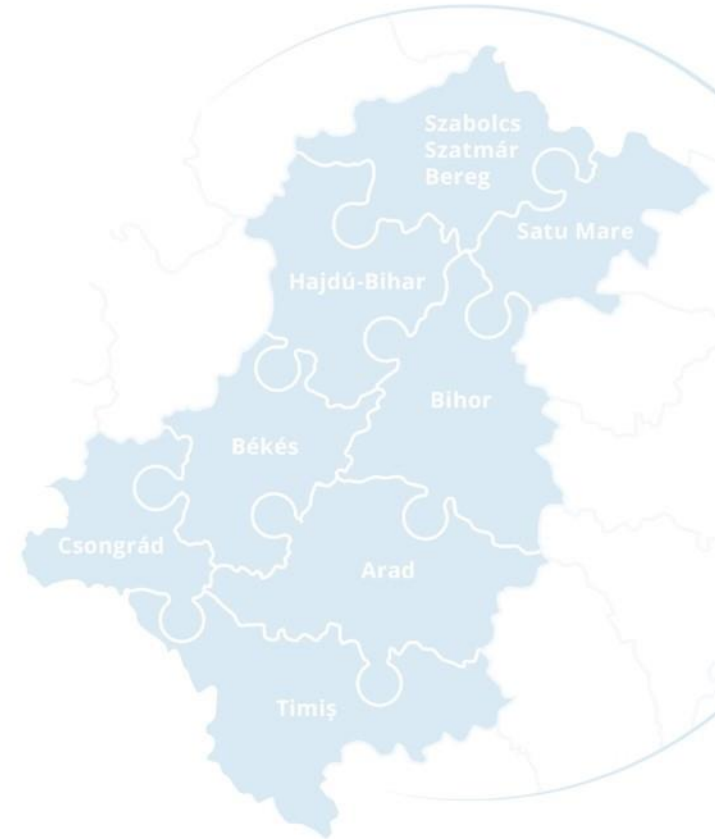
www.interreg-rohu.eu

Green Jobs Locurile de muncă ecologice (verzi)



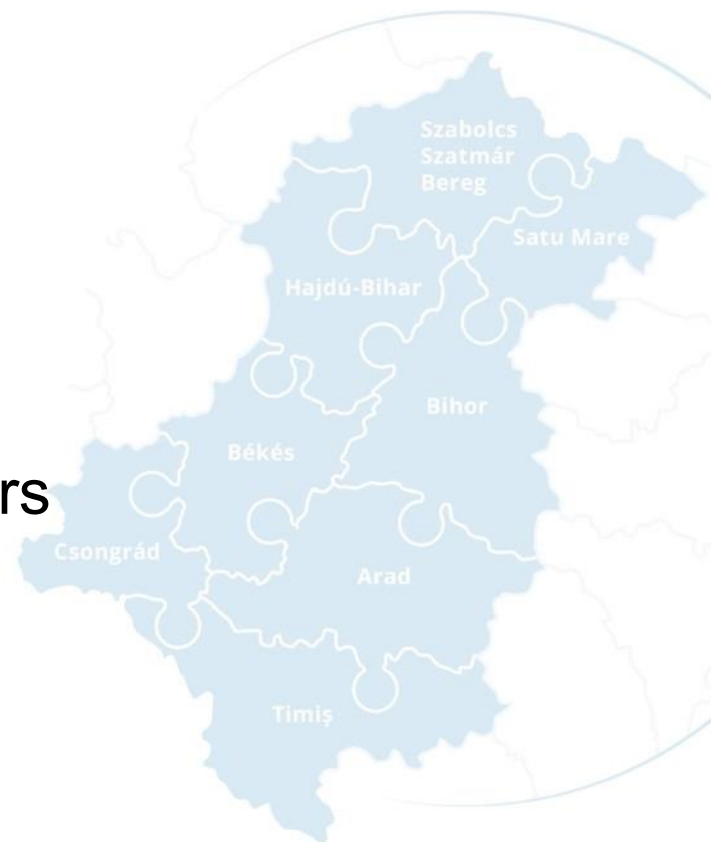
What are Green Jobs?

Green jobs are places of employment that contribute to preserve or restore the environment, applied in traditional sectors such as manufacturing and construction, or in new, emerging sectors such as renewable energy and energy efficiency.

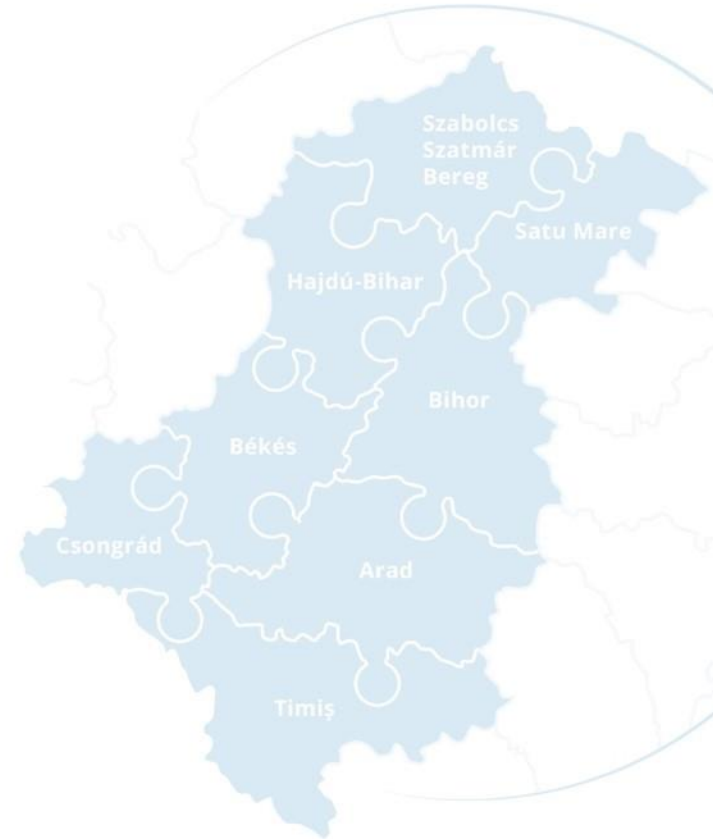


Ce sunt locuri de muncă ecologice?

Locurile de muncă ecologice sunt locuri de muncă ce contribuie la conservarea sau restaurarea mediului, aplicate în sectoarele tradiționale precum producția și construcțiile sau în sectoare noi, în curs de dezvoltare, precum energia regenerabilă și eficiența energetică.

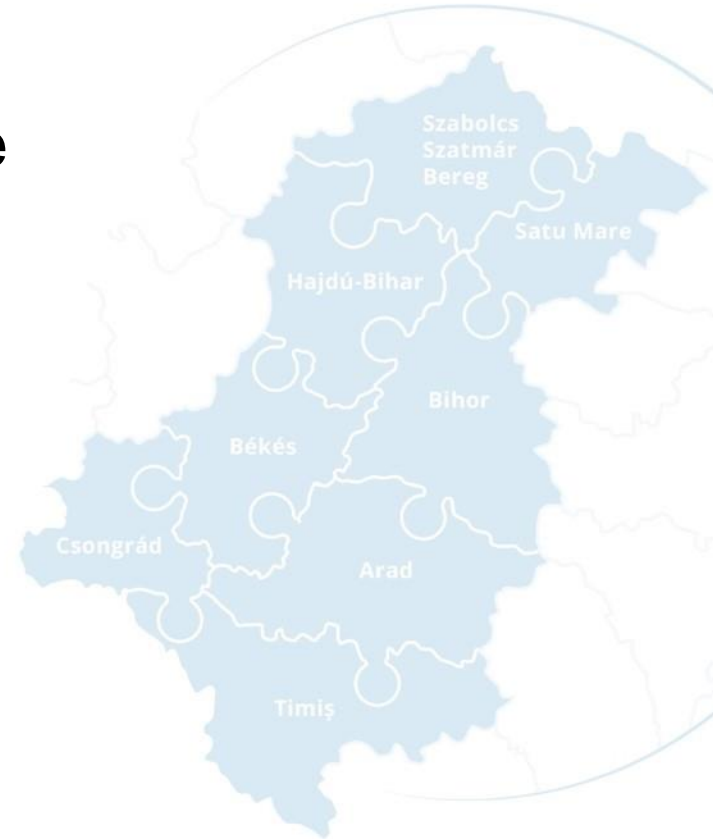


- Green jobs come with the same salaries, benefits, and perks of non-green jobs, but currently, there aren't enough qualified workers to fill them.
- Green companies need people to manufacture, install, sell, and market their products.



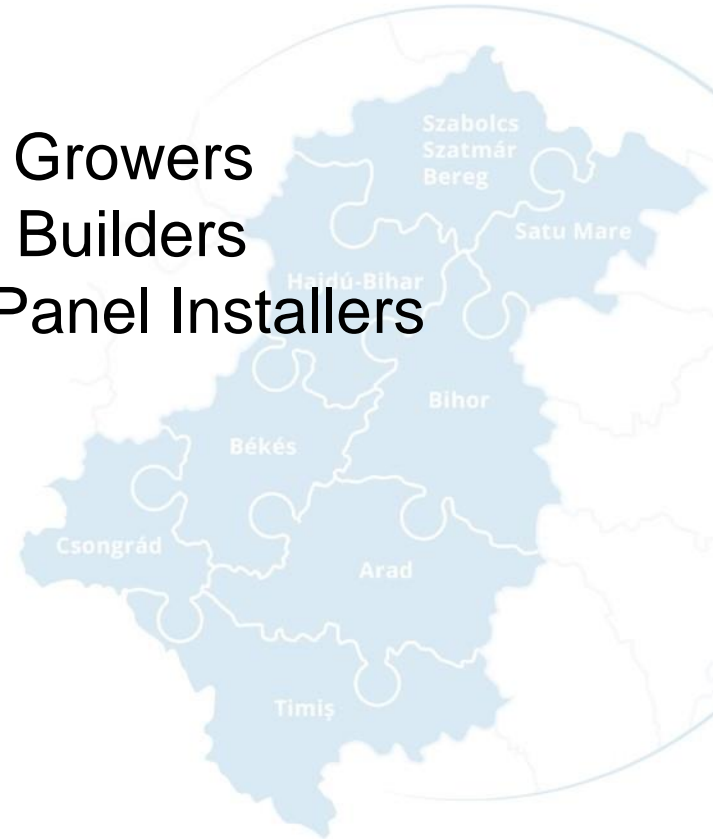
Locurile de muncă ecologice vin cu aceleași salarii, beneficii și avantaje ale locurilor de muncă non-verzi, dar în prezent, nu există suficienți lucrători calificați pentru a le ocupa.

Comaniile ecologice au nevoie de oameni care să producă, să instaleze, să vândă și să le comercializeze produsele.



Top most known green trades:

- Energy Consultant
- Farmer
- Green Entrepreneur
- Forester
- Conservationist
- Biofuels Expert
- Natural Scientists
- Environmental Engineers
- Urban Growers
- Green Builders
- Solar Panel Installers



Top cele mai întâlnite meserii ecologice (verzi):

- Consultant energetic
- Agricultor
- Antreprenor (Afacere Ecologică)
- Pădurar
- Conservator
- Expert în biocombustibili
- Oamenii de știință
- Ingineri de mediu
- Cultivatori urbani
- Constructori ecologici
- Instalatori de panouri solare



Top Environmentally Friendly Jobs:

- Electric Vehicles Industry
- Environmental Science
- Geothermal Energy
- Water Conservation
- Renewable Energy
- Hydroelectric Energy
- Biofuel
- Solar Energy
- Wind Power
- Green Building
- Ecotourism
- Sustainable Agriculture



Top locuri de muncă ecologice:

- Industria vehiculelor electrice
- Știința Mediului
- Energie geotermală
- Conservarea apei
- Energie regenerabilă
- Energie hidroelectrică
- Biocombustibili
- Energie solară
- Energie eoliană
- Clădiri verzi
- Ecoturism
- Agricultură durabilă



Partnership for a better future

www.interreg-rohu.eu

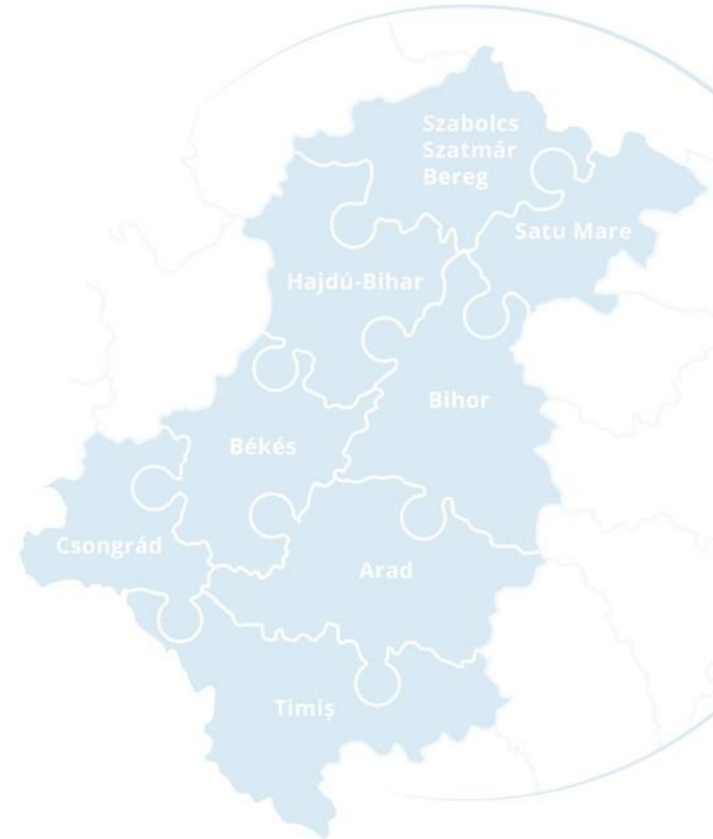
Green Skills

Abilități pentru locuri de muncă ecologice (verzi)



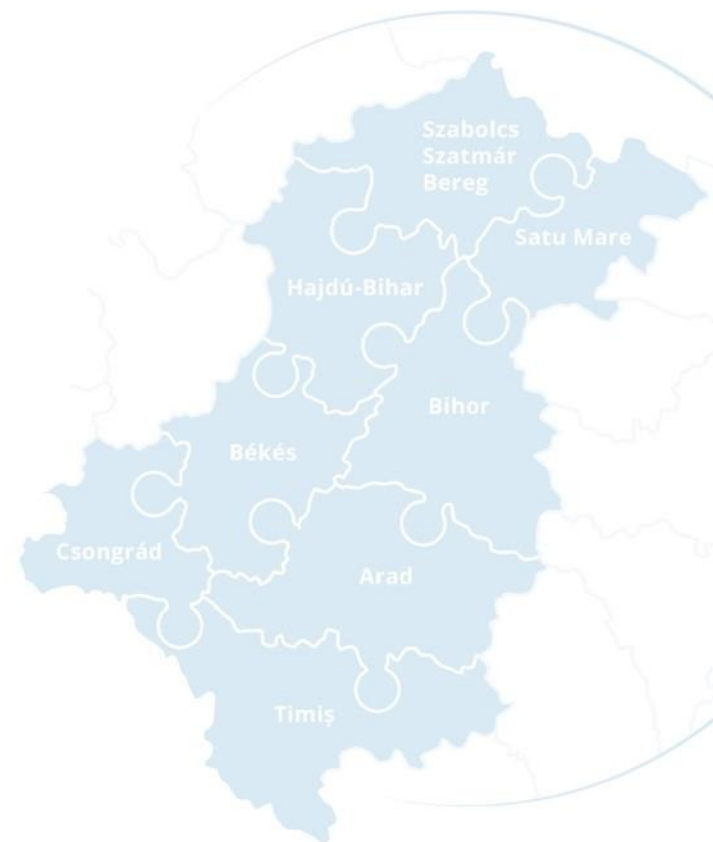
“Skill” has many meanings and synonyms like ability, competence, aptitude and talent.

Particularly when skills are used in the discussions of social and economic actions in the present century, it can be defined as “ a personal quality”



”Îndemânare ” are multe semnificații și sinonime precum capacitate, competență, aptitudine și talent.

Mai ales când abilitățile sunt utilizate în discuțiile acțiunilor sociale și economice din secolul actual, acestea pot fi definite ca „o calitate personală”.



Green skills checklist

1. Design skills	Eco-design	Design for disassembly, design for recyclability, design for the environment, design for effective energy use, legislation and regulatory compliance
	Green manufacturing	Legislation and regulatory compliance, integration of process waste
	Materials specification	
	Life-cycle assessment/costing	
2. Waste skills	Waste quantification and monitoring	Waste production calculations, mass balance, waste audit
	Waste process studies	Material/substance flow analysis, resource utilization mapping, life-cycle assessment
	Waste management systems	Objective setting, legislative and regulatory compliance, collection systems, segregation, waste cycle management, 3R implementation (reduce, reuse, recycle), hazardous waste management, landfill requirements, communications/implementation campaigns
	Waste minimization	Industrial symbiosis, integration of process waste
	Waste technologies	Recycling, waste-to-energy

3. Energy skills	Energy minimization	Energy reduction programmes, heat recovery and re-use, energyefficient technologies, energy-efficient practices, communications/implementation campaigns, enhanced capital allowance technologies and schemes
	Energy management systems	Objective setting, legislative and regulatory compliance, energy base loads and variable loads, energy audit, energy review, communications/implementation campaigns
	Energy quantification and monitoring	Monitoring targeting and reporting, use of half-hourly data, use of sub-meters, computer-based data logging and energy management systems, energy data manipulation software systems
	Energy costs and trading	Energy markets and pricing, carbon trading schemes, climate change levy agreements, energy price trends, enhanced capital allowances, peak oil and impact on energy supplies and prices
	Renewable energy (RE) technologies	Solar, wind, biomass, combined heat and power, photovoltaic, ground source heat pump, air source heat pump, hydro, hydrogen, fuel cell, integration into energy supply
	Non-renewable technologies	Nuclear, incineration with energy recovery, clean fossil fuel technologies, carbon sequestration, waste-to-energy

4. Water skills	Water use minimization and water re-use	Grey water, water harvesting, wastewater recovery, recycling, cascading, waste/water recovery, effluent treatment, sludge/slurry dewatering, leak detection
	Water management systems	Objective setting, legislative and regulatory compliance, water audit, water consumption review, communications/implementation campaigns
	Water quantification and monitoring	Sub-metering, data collection, water use calculations
5. Buildings skills	Building energy management	Monitoring targeting and reporting, use of half-hourly data, use of sub-meters, computer-based data logging and energy management systems, energy data manipulation software systems, building energy assessment
	Integration of renewable energy	Photovoltaic, solar, wind turbines, combined heat and power, fuel cell
	Energy-efficient construction	Insulation (cavity wall, loft, paperwork), regulatory compliance, passive heating, building regulations
	Facilities management	Building energy management systems, management and maintenance of water, waste management
	Calculating building energy efficiency and carbon ratings	U value calculations, building energy assessment, carbon rating

6. Transport skills	Transport impact minimization technologies	Hybrid vehicles, biodiesel, electric vehicles, fuel-efficient vehicles
	Transport impact minimization processes	Alternative transport strategies, communication/implementation campaigns, car-sharing schemes, public transport planning, public transport implementation, cycle network planning, cycle network implementation, transport modelling
	Transport management in business	Transport modelling, route planning and management, distribution and collection system
7. Materials skills	Sourcing	Sources of low-energy materials, sources of low-mileage materials, recyclates (secondary materials), energy-efficient raw material extraction, industrial symbiosis, transport mileage
	Procurement and selection	Use and properties of low-energy materials and of recyclates, industrial symbiosis, low-carbon and resource-efficient procurement, cost impact of climate change on material procurement
	Material use and impact quantification	Material usage calculations, life-cycle assessment and costing
	Management systems	Material use planning, material flow process design and implementation, energy-efficient process design and implementation
	Impact and use minimization	Life-cycle assessment and costing, energy-efficient process implementation, material flows analysis

8. Financial skills	Investment models	Energy technologies investment models, carbon derivatives investment models, calculation of payback/return on investment
	New/alternative financial models	Carbon trading, EU Emissions Trading Scheme, enhanced capital allowances
	Quantification of climate change impacts	Impact assessment of climate change on business finances, impact of climate change on materials availability and cost, carbon neutrality and associated cost/opportunities, risk/opportunity assessment models for adaptation and mitigation, insurance risks/opportunities of a low-carbon economy
	Principles of low-carbon and resource-efficient economies	Polluter pays principle, externalities
	Tools of low-carbon and resource-efficient economies	Climate Change Levy agreements, enhanced capital allowances, cost – benefit analysis, low-carbon and resource-efficient procurement

9. Management skills	Impact assessment	Energy use calculations, water use calculations, waste production calculations, carbon footprinting calculations, emissions measurement
	Business planning	RE planning, low-carbon planning, integration of RE and low carbon into business planning cycles, climate change risks, climate change adaptation and mitigation responses (as part of business risk management), understanding low-carbon and resource efficiency skills requirements and long-term planning
	Awareness raising	Communication/implementation campaigns
	Opportunities management	Identification of low-carbon and resource efficiency opportunities, cost-benefit analysis
	Risk management	Identification of low-carbon and resource scarcity risks, cost-benefit analysis
	Day to day management	Low-carbon and resource-efficient procurement, integration of low-carbon and resource efficiency skills, due diligence, management systems, low-carbon and resource efficiency skills requirements for recruitment

10. Policy and Strategy planning skills	Built environment master planning and implementation	Low-carbon spatial planning, zero waste planning, resource-efficient planning, low-carbon and resource-efficient urban design, building regulations, public transport planning and implementation, cycle network planning and implementation
	Strategy development	Impact assessment and modelling, principles of low-carbon and resource efficiency
	Strategy implementation	Understanding of skills needs for HR managers, low-carbon and resource-efficient material sourcing and procurement, awareness raising/communications skills

Source: Pro Enviro: *Skills for a low-carbon and resource efficient economy (LCREE)*, Report for DEFRA (2008).



Partnership for a better future

www.interreg-rohu.eu

Q and A Session Întrebări?



Partnership for a better future

www.interreg-rohu.eu

Thank you for your attention!
Mulumesc pentru atenție!

