

Sliding from blue to green collar jobs

study case UGIR members

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Euro network supporting innovation for green jobs - GREENET
26 March 2015, Bucharest, Romania

NGO – supporting local communitities

- Setup: 2007-2011 IEE project
- Initiative: Bucharest District 1 Local Council
- Partner & expert for AMR (Romanian Municipalities Association)
- “Energy Manager” Bucharest District 1 community
- Supporter & Coordinator of “Covenant of Mayors”
- Design & coordination “SEAP of Bucharest District 1”



AEEPM supporting CoMo

- ***Covenant capaCITY***

<http://www.covenant-capacity.eu>



June 2011 - May 2014

- ***Meshartility***

<http://www.meshartility.eu>



April 2012 - March 2015



What are Green Collar Jobs?



*"...a major shift to renewable energy and efficiency is expected to produce 2 million new...**Green** jobs during the next three decades."*
Conference of Mayors

*"...a clean energy economy will help the private sector create 4 million new **Green** jobs."*
President Barack Obama

What are Green Collar Jobs?

*"**Green jobs**...help conserve energy, promote the deployment of new technologies, and contribute to the mission of becoming a more sustainable world."*

Green Job Corps



Why we Need Green-Collar Jobs

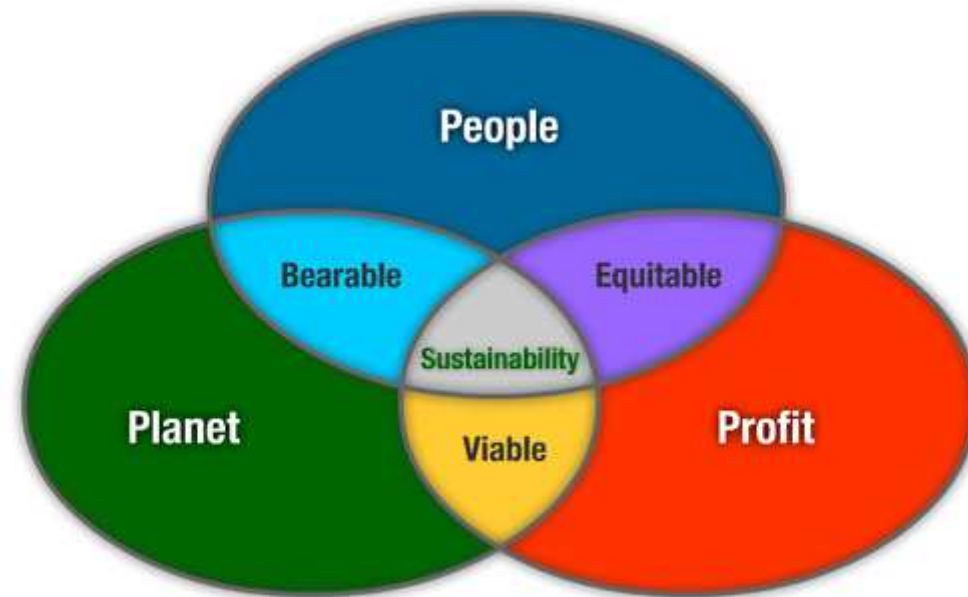
- Creating new jobs or retraining the unemployed in a time of economic downturn.
- Providing opportunities for career advancement in the sustainability fields.
- Reducing our dependence on foreign oil, and strengthening national security.
- Promoting the use of domestic renewable energy resources and advanced technologies.
- Reducing the tax burdens of inefficient public buildings and public housing.
- Mitigating climate change by cutting green house gas emissions.



Emerging Green Occupations

- Tradesmen and Supervisors for Energy Efficiency Construction
- Building Automation Specialist
- Renewable Energy Site Assessor
- Renewable Energy Systems Installer
- Green Building Operator
- Green Landscape Professional
- Geothermal Specialist
- Ice storage Technician
- Biofuel Processing Technician
- Fuel Cell Technician
- Sustainability Coordinator
- Advanced Transportation Systems Technician
- Buy and Sell Energy & Carbon Trading

People, Planet, Profit The Triple Bottom Line



Remodeling our way of living

- Energy efficient retrofits and energy management for existing buildings;
- Pedestrian and bike friendly, mass transit options, automotive retrofits for reduced emissions and use of alternative fuels;
- Community farming and markets, sustainable landscaping, urban forestry, waterfront restoration, and green roofs;
- Clean "Green" energy; renewable energy systems (solar photovoltaic, solar thermal, geothermal, small wind, landfill gas, anaerobic digesters), biofuel production, and cogeneration;
- Recycling; waste reduction, and single stream separation;
- Deconstruction; recycling of building construction waste, and reuse of building materials;
- Brownfield Remediation; Clean-up abandoned, idle or under used sites, restore value to tax rolls.



From blue to green



UGIR members promoting green jobs

- **BUILD UP SKILLS Romania "ROBUST"**

Qualification platform and roadmap for the building workforce on energy-efficiency and renewable energy to meet 2020 Targets



Build up skills - roadmap

General Strategy & Key Objectives – Summary

● = core responsibility ○ = can influence

Key Actors	SSCs	Governments & their Agencies	Local Authorities	Employers	Training Providers (FE, HE, Private)	Awarding Organisations	Trade Unions/ Federations/ Associations	Short-Term		Medium-Term			Long-Term					
								2013	2014	2015	2016	2017	2018	2019	2020			
Key Objectives	○	●	○	○	○	○	○											
	●	○		○	●	●	○											
	●	●	○	●	○	○	○											
	○	●			○	○	○											
	●	●		○	○	○	○											
	●	●	●	○	○	○	○											
	○	●	○	○	○	○	○											

Raise awareness & understanding/ stimulate demand for energy efficiency measures (among consumers & employers)
Develop appropriate education, training and NOS/qualifications & update as new technologies emerge
Address skills & knowledge gaps in existing workforce
Establish and maintain appropriate quality assurance underpinned by appropriate accreditation
Seek to influence Government so that their energy efficiency policies and legislation offer reassurance of longevity to the sector
Harness appropriate sources of funding to support achievement of the targets (e.g. for training)
Seek to embed the green agenda fully by seeking cultural and behavioural change

UGIR members promoting green jobs

- **BUILD UP SKILLS Romania “ROBUST”**
Qualification platform and roadmap for the building workforce on energy-efficiency and renewable energy to meet 2020 Targets
- **BUILD UP Skills Romania “QualiShell”**
National Qualification Scheme for Construction Workers to Ensure High Performance Building Envelopes



Front runners



CO – National Institute for Research and Development in Construction, Urban Planning and Sustainable Spatial Development (URBAN-INCERC)

CB2 – Group for Quality in External Thermal Insulation Composite Systems (QETICS)

CB3 – The Ownership of Producers for Thermo-Insulating Carpentry (PPTT)

CB4 – The Ownership of Romanian Contractors (PSC)



Business Development Group



Centrul Național de Dezvoltare a
Învățământului Profesional și Tehnic



CB5 – Business Development Group (BDG)

CB6 – National Authority for Qualifications (ANC)

CB7 – The National Centre for Technical and Vocational Education and Training Development (CNDIPT)

CB8 – Sector Skills Committee in Constructions (SCon)

CB9 – Ministry of Regional Development and Public Administration (MDRAP)



Objectives



To activate the relevant stakeholders in the **National Qualification Platform** (catalyst) and use of an extended **National Consultation Committee**



To perform a thorough **occupational analysis** for the detailed definition of competencies for ETICS installers and thermal insulating windows systems installers + **Definition of an adequate procedural** framework for Romania



To develop and validate two national qualification schemes for:
- installers of envelope thermal insulation systems,
- installers of high efficiency windows systems.



To develop **flexible mechanisms** → continuous revision of occupational framework for the defined qualification schemes + **Promotion of partnerships between EDU and IND**



To raise awareness and to ensure an **effective communication process** between major stakeholders – training & qualification system and construction sector

Following steps ?

- “Investors in People” project
“transnational partnership to increase employers' interest in developing human resources and *increasing corporate social responsibility*”
- “PRO JUVENES” project
“strengthen policies and practices regarding employment and *networking* at European level and strengthening the capacity of the labor market actors (trade unions and employers organizations, public authorities, NGOs) to become actively involved in promoting employment and social inclusion young people by implementing policies on their employment - volunteering law, probation law, the law of discipleship”
- “STEPS FPI” project
“contribute to the improvement of vocational and technical capacity to provide *relevant qualifications* and educational offerings for *labor market needs* through direct collaboration with representatives of the economic environment”



Questions ?

Thank you for your attention!

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