



International Profile of Professional Competences

FOR THE JOB

Environmental Promotor in the Enterprise (GreenPoint)

Project: Development of the GreenPoint Qualification Standard and its implementation in small enterprises of the metal sector
526638-LLP-1-2012-1-ES-LEONARDO-LMP



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<i>WP Task responsible</i>	ITeE-PIB
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Description of the competence profile of the GreenPoint

Synthesis of the occupation

of the Green Worker (GreenPoint) promotes environmental operations in the workplace and supports the compliance with legal provisions within the scope of ecological environment in the enterprise.

Description of the competence profile of the Environmental Promotor in the Enterprise – GreenPoint

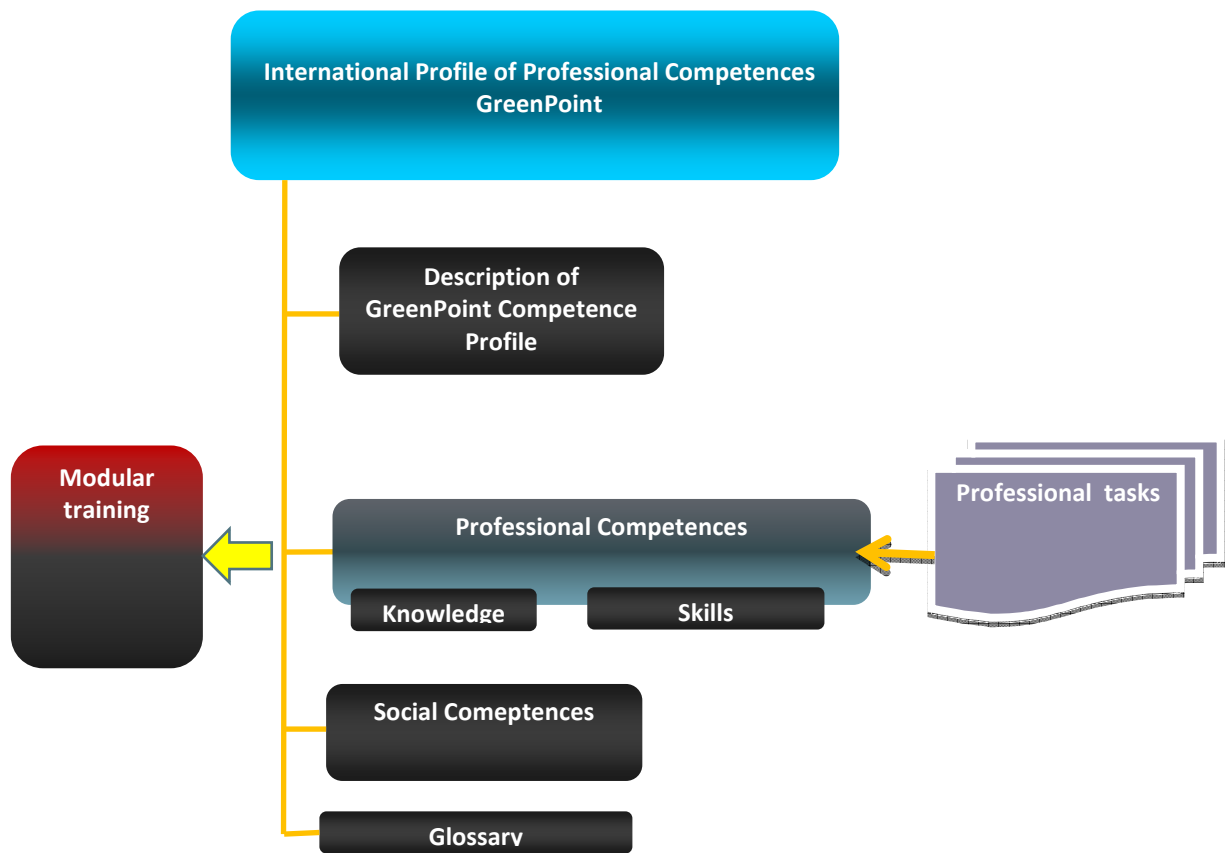
Green Worker implements professional tasks in the workplace in accordance with environmental protection procedures in the enterprise. Within the scope of their job, he/she performs basic professional tasks that an employer has granted them, while he/she dedicates some part of working time to operations related to environmental protection in the enterprise. Green Worker's job aims at performance of professional tasks in workplaces with particular care for the compliance with provisions and standards concerning environmental protection in the enterprise. Its scope of duties includes updating and promoting knowledge concerning environmental protection in order to minimise negative environmental impact of the business. Thereby, he/she coordinates works concerning waste management in the enterprise (collection, segregation and disposal/sale of industrial, municipal and hazardous waste). Green Worker implements principles of reasonable management of environmental protection resources and energy in the enterprise, while using environmental management standards valid in EU countries. He/she monitors the condition of manufacturing pollutants, as well as functioning of facilities and systems to store waste in the enterprise. Supporting the process of developing environmental competences of the enterprise workers constitutes the additional occupational task for Green Worker.

Green Worker works in small and medium enterprises of sub-sectors of the metal industry, i.a.: machining, metal coating, surface treatment, vehicle repair. He/she works in the factory floor or outdoor within the area of enterprise. Some tasks are performed in offices. Implementation of most tasks requires use of facilities/devices/systems to store industrial waste and hazardous substances. Tasks performed in offices require use of a computer connected with the Internet. Green Worker works usually in small teams under the supervision of a superior.

Professional competences of the Green Worker GreenPoint cannot be acquired through formal education, only through GreenPoint training, which is especially developed for this purpose. The GreenPoint international certificate confirms professional competences acquired within the educational process.

Gained the GreenPoint competences by employees will be the step to support SMS's operating in the metal sector to be more environmental friendly, improving their working practices and fostering a green thinking culture within company (especially four metal subsectors: garages, machining surface treatment and metal coating). A new worker profile called GreenPoint is a person with a wide knowledge on environmental legislation and work procedures, who will supervise the working process in the workshops and will be the information point for the rest of workers, in order to ensure compliance environmental legislation in the company.

The SMS's which demonstrate good environmental practices through the implementation of the GreenPoint figure will be granted the certification of *GreenPoint Company Label*. This quality label will be promoted in certification agencies in order to add value and recognition to the GreenPoint environmental performance. An in individual level, a *Green Point Certificate* will be granted to the workers trained through GreenPoint programme.



Professional Tasks

PT 1. Identification the possibility and update of knowledge concerning environmental protection and employer's obligations within this scope

PT 2. Promoting enterprise's employees with environmental information and advice

PT 3. Planning and conducting regular checks of facilities, devices and systems for resource efficiency and environmental protection.

PT 4. Promoting the reduction of negative environmental impact

PT5 Supporting the employers In the scope of selection the proper environmental training for employees

List of Professional Competences

PC-1. Promotion of environmental awareness in the enterprise (PT -1, PT-2, PT-5)

PC-2. Supporting operations for environmental control in the enterprise (PT-3, PT-4, PT-5)

SC – Social competences. (PT1-PT5)

Correlation of professional tasks with professional competences

Professional Tasks	Professional Competences	
	PC-1	PC-2
PT 1. Identification the possibility and update of knowledge concerning environmental protection and employer's obligations within this scope	X	X
PT 2. Promoting enterprise's employees with environmental information, environmental culture and advice	X	
PT 3. Planning and conducting regular checks of facilities, devices and systems for resource efficiency and environmental protection.		X
PT 4. Promoting the reduction of negative environmental impact		X
PT 5 Supporting the employers In the scope of selection the proper environmental training for employees	X	

Descriptors defining levels of the European Qualifications Framework (EQF)¹

KNOWLEDGE	SKILLS	COMPETENCES
Level 3—Efficient learning corresponding with level 3		
<ul style="list-style-type: none"> • knowledge of facts, principles, processes and general notions in a given area of work or learning 	<ul style="list-style-type: none"> • set of cognitive and practical skills required to perform tasks and solve problems through selection and application of basic methods, tools, materials and information 	<ul style="list-style-type: none"> • bearing responsibility for performance of tasks during working or learning • adjustment of one's own behaviour to circumstances in problem solving

Description of Professional Competences

PC-1. Promotion of environmental awareness in the enterprise (PT- 1, PT- 2, PT- 5)	
KNOWLEDGE – Knows and understands...	SKILLS – Can...
<ul style="list-style-type: none"> – Main global environmental issues – Types of industrial and municipal waste in the metal sector enterprise – Types of hazardous substances – Principles of preventing waste production and pollution emission – Principles of proceeding in emergency 	<ul style="list-style-type: none"> – Explain basic environmental issues – Explain causes of environmental issues – Indicate environmental pollution sources in the enterprise – Identify environmental pollution sources in the enterprise – Present proposals to improve

¹ Recommendation of the European Parliament and of the Council of 23 April 2008 on the establishment of the European Qualifications Framework for lifelong learning

<p>situations and planning preventive actions</p> <ul style="list-style-type: none"> – Funding sources of projects within the scope of environmental protection in the enterprise – Funding sources of employee training within the scope of environmental protection in the enterprise – Technical solutions reducing negative environmental impact of the enterprise – Waste labelling principles – Types of air, water and soil pollution. – Waste management principles. 	<p>environmental protection practices in the enterprise</p> <ul style="list-style-type: none"> – Inform the management on new technical solutions reducing or eliminating the environmental pollution emission – Recommend training offers for employees – Explain basic ecological notions. – Foresee life and health hazards – Assess the quality condition of air, water based on valid classifications – Indicate sources of pollutions or noise emission – Present proposals to improve environmental protection practices in the enterprise – Use open educational resources related to the environmental protection
COMPETENCIES – Is able to...	
<ul style="list-style-type: none"> • Bear responsibility for results of promoting pro-ecological operations in the enterprise • Follow the sustainable development principles in their operations • Initiate operations for the benefit of developing pro-ecological competencies of enterprise employees • Form employees' awareness within the scope of responsibility for environmental impact damages • Cooperate collectively for the benefit of developing environmental operations in the enterprise • Independently inspire operations related to improvement of waste management in the enterprise • Adjust their behaviour to occurred circumstances resulting from waste management in the enterprise • Accept responsibility for own education within the scope of legal provisions and environmental protection principles 	

PC-2. Supporting operations for environmental control in the enterprise (PT- 3, PT- 4, PT- 5)	
KNOWLEDGE – Knows and understands...	SKILLS – Can...
<ul style="list-style-type: none"> – EU legal requirements within the scope of environmental protection – Structure of national environmental regulation – Principles of environmental control measures – Environmental management standards – Principles of environmental monitoring 	<ul style="list-style-type: none"> – Apply environmental protection provisions valid in a given country. – Apply environmental protection provisions valid in the European Union. – Proceed according to the environmental management standards – Apply procedures within the scope of enterprise's environmental impact

<ul style="list-style-type: none"> – Methods for pollution prevention – Principles of emergency preparedness and response – Methods for environmental improvement and innovation in the enterprise – Understand the business benefits of environmental control measures and innovation – Types of waste in the enterprise – Technical requirements within the scope of waste storage in the metal sector enterprise – Environmental protection training offer in metal sector enterprises – Procedures in the case of exceeding acceptable environmental pollution level. – Principles of functioning and operation of measuring instruments. 	<ul style="list-style-type: none"> – Conduct inspections of facilities, devices and systems to store waste in the enterprise – Inform superiors on exceeding indications of measuring instruments – Contribute to the implementation of environmental control measures – Contribute to environmental monitoring – Carry out and record site checks to monitor environmental performance – Inform superiors of environmental monitoring results – Implement pollution prevention measures – Respond to environmental emergencies – Research and present recommendations for environmental improvement and innovation in the enterprise – Communicate the business benefits of environmental control measures and innovation to colleagues
COMPETENCIES – Is able to...	
<ul style="list-style-type: none"> • Accept responsibility for own education within the scope of legal provisions and environmental protection principles • Solve problems using well known sources of information, with consideration of institutional determinants • Control employees' operations within the scope of compliance with the environmental protection law in the enterprise • co-operate collectively for the benefit of developing environmental operations in the enterprise 	

Profile of key competences (validity assessment of key competences for a job)

Key competences refer to lacking competences required by employers. Next to professional competences, employers indicate lacks in more general competences, which tend to be called key competences in the literature on the subject.

As key competences, one should understand “connection of knowledge, skills and attitudes corresponding with a given situation. Key competences include competences needed by all persons for self-fulfilment and personal development, being an active citizen, social integration and employment.”²

² Recommendation of the European Parliament and of the Council of 18 December 2006 on key competences for lifelong learning process (2006/92/EC).

Figure 1 presents the validity assessment of key competences for the **Environmental Promotor in the Enterprise (GreenPoint)**

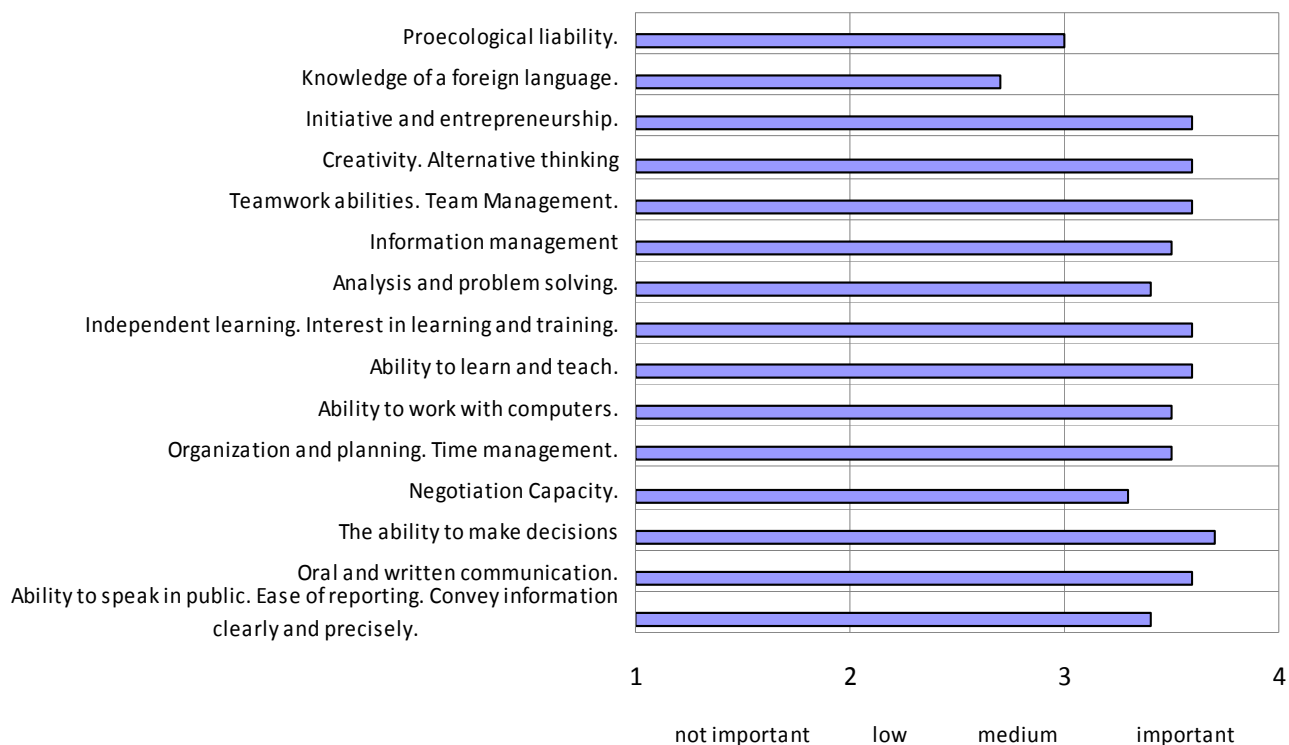


Figure 1. Profile of key competences for the job **Green Worker (GreenPoint)**³

Teaching module plan for GreenPoint profile

Lp.	Modules			Total
1.	M1 Planning and carrying out the activities for protect the environment and promoting the green culture in the enterprise	5		
2.	M2 Monitoring the negative impact on the environment in the enterprise		5	
Total training hours				10

³ List of key competences has been developed based on the list applied in the LDV project: *Development of the GreenPoint Qualification Standard and its implementation in small enterprises of the metal sector*

Modules and training units for GreenPoint worker profile

Module	Training unit	Hours per unit
M1 Planning and carrying out the activities for protect the environment and promoting the green culture in the enterprise	M1_TU_1 Identification of knowledge concerning environmental protection	3
	M1_TU_2 Promoting environmental information and environmental culture in the enterprise	2
M2 Monitoring the negative impact on the environment in the enterprise	M2_TU_1 Promoting the reduction of negative environmental impact in the enterprise	2
	M2_TU_2 Planning and conducting regular checks of facilities, devices and systems for resource efficiency and environmental protection	2
	M2_TU_3 Monitoring the obey the rules in the scope of protect the environment in the enterprise	1
Total hours		10

Glossary

Occupation

– set of tasks (set of operations) selected as a result of social labour division performed constantly or with small changes by particular persons and requiring relevant qualifications or competences (knowledge, skills and social competences), acquired as a result of education or practice. Occupation performance constitutes the source of income.

Specialisation

– it results from labour division within an occupation. It includes a part of operations with similar character (related to performed function or subject of labour), requiring deepened or additional knowledge and skills acquired because of additional training or practice.

Professional task

– logical section or stage of work within an occupation, with clearly defined beginning and end, selected due to type or kind of performing occupational operations connected with one aim, ending with a product, service or decision.

Professional competences

– everything that a worker knows, understands and is able to perform, relevantly to a situation in a workplace. They are described with three sets: of knowledge, skills and social competences.

Key competences

– connection of knowledge, skills and attitudes relevant to a situation. Key competences are competences required by all persons for self-fulfilment, personal development, being an active citizen, social integration and employment.

Professional qualifications

– set of learning outcomes (resources of knowledge, skills and social competences), acquisition of which has been formally approved by entitled institution.

European Qualifications Framework

– set of reference adopted in the European Union, enabling to compare qualifications acquired in various states. Eight levels of qualification defined by learning outcomes requirements have been distinguished in the European Qualifications Framework.

National Qualifications System

– all state operations related to confirmation of learning outcomes for the needs of labour market, civil society and individual development of learning persons.

Knowledge

– resource of facts, principles, theories and experiences related to each other and acquired by a learning person.

Skills

– ability of applying knowledge and practised efficiencies to perform tasks and solve

Social competences – skills, talents and features necessary for autonomous, collective and responsible participation in social and professional life.