1. Introduction

A “green” economy (smart energy & environment) generates new jobs, businesses and investments while expanding clean energy production, increasing energy efficiency, reducing greenhouse gas emissions, waste and pollution, and conserving water and other natural resources. The “green” or “clean” or low-carbon economy – defined as the sector of the economy that produces goods and services with an environmental content – has become an aspirational aspiration and an enigma. As a matter of aspiration, no sniff of the economy has been more widely celebrated as a source of economic renewal and potential job creation. The green economy offers enormous opportunities for job creation, many of which are already underway in the European economy. These opportunities range from sectors traditionally associated with an environmental content – such as renewable energies or recycling – to other activities that represent emerging sectors that are already underway in the European economy. These “established sectors” which have potential for conversion into sustainable activities. The importance of emerging green sectors can be seen in the additional benefits they have brought to the European region. Recent estimates by the Eco-Innovation Observatory [1] show that exports of environmental goods and services increased nearly three-fold since 1999, to over 35 billion € in 2016. The EU has devoted more public research resources to environmental-related sciences than any other research system in the world. Between 2006 and 2016 the number of eco-industries sectors’ workers increased by 70%, approximately 3.4 million people, and produced 64% more in turnover, with a total turnover estimated to be more than 300 billion €. Many European companies are implementing eco-innovation and around 27% of innovating companies in the EU have increased their material efficiency as a result of implemented changes [2]. However, there is still a gap between the potential for eco-innovation and the current state of eco-innovation activity in the EU. According to the data available, there are about 7.360.000 jobs in the EU in green sectors (renewable energies, energy efficiency, retrofitting, organic agriculture, waste management and recycling). The renewable energy sector employs more than 1.114.000 people in the EU-27. The eco-industry provides between 200,000 and 2,000,000 jobs. The green industry alone represented 232.050 full time jobs in 2009 in house retrofitting projects. The railway sector took up 900,000 jobs across Europe in the transport of goods and passengers. Another relevant figure is the number of urban public transport jobs, around 900,000 in EU-25. The employment associated with waste management and recycling sectors reached 2 million jobs and there are 200,000 producers linked to organic farming. A high potential for the new green jobs is revealed in the sector of agriculture, fishery and forestry (26.7%) followed by architecture and civil engineering (23.4%) where sustainable construction is one of the six priorities [1]. Sustainable construction is at the heart of modern construction, and refers to all aspects of this branch of industry: the environmental aspect, which includes energy efficiency, the financial aspect, and the sociological aspect, while not forgetting the technical aspects of sustainability [3]. Moreover, eco-innovation present means to reach a resource-efficient and circular economy in Europe. Yet, the green economy remains an enigma: hard to assess. Not only do “green” or “clean” activities and jobs related to environmental aims pervade all sectors of the national economy; they also remain tricky to define and isolate – and count. The clean economy has remained elusive in part because, in the absence of standard definitions and data, one’s idea of just how much is derived from its nature, size, and growth at the critical regional level. Currently no comprehensive national database exists on the spatial geography of the clean economy and its sub industries, although important work has assessed the clean economy across state. And while numerous studies have analyzed individual regional clean or green industries, a proliferation of definitions and the absence of data for large numbers of regions have made it difficult to situate regional clean economies in a national and comparative context. Our study provides more insights into the generic nature of green economy, by abstraction of it through green jobs and in particular for sustainable construction.

2. Green economy with sustainable environment

The European Union’s new strategy for sustainable growth and jobs, Europe 2020, puts innovation and green growth at the heart of its blueprint for competitiveness. However, there are no explicit overarching national strategies targeting green skills needs [4]. Some Member States are moving faster than others to rectify this, with France launching its recent mobilization plan for green jobs, and the UK government recently launching a consultation exercise, entitled Meeting the green jobs challenge. The EU suffers from intrinsic weaknesses in its skills base which limit its productivity and competitiveness in today’s economy, and reduce its capacity to exploit the opportunities offered by green growth. These deficits in management skills and technical job-specific skills (of which are related to science, technology, engineering and mathematics) are a greater concern than shortages of “new” green skills [4]. To answer the question, where green jobs can really help to reduce unemployment, it is necessary to take into account the net rather than gross effects of green jobs employment. Gross effects are a useful indicator of where we want to determine how important each sector of the economy is, but then in green jobs employment we want to calculate the case (this greening) economy helps to reduce the number of unemployed. Gross employment effects simply take account of all the jobs created without pay jobs because of these newly created jobs fail, and are therefore always positive. We have to mention that the interpretation of employment is not clear itself, it can make a huge impact on employment may also lead to low productivity. The net effect on employment is calculated by dividing the gross effect added to the substitution effect and the income effect. The substitution effect reflects the fact that this green goods and green substitutes other (conventional) goods and services. The income effect into account the fact that the “green go de” more expensive than conventional goods and services. If people buy such goods and services, they are left with less money to buy other goods. Of course, the income effect depends on the source of funding and disappears when state-funded green economy by increasing debt, because it means that aggregate demand increases. It follows that, in order to finance the greening of the economy by the state through an increase in debt resulted in a much better net impact on employment and lower unemployment. If we look at the net effects on employment for each country, it is of course necessary to add the effects of imports and exports. There are many ways to define “green” or the “green economy”. The following definitions are only a sampling of the many definitions that have been offered. Common terms and concepts are evident in each of these definitions. For example, the words renewable, sustainable, education, compliance, and efficiency are used by all organizations. The world strongest / most competitive economy of USA [5] defines green economy activity as any activity or service that performs at least one of the following: (1) Generating and storing renewable energy; (2) Recycling existing materials; (3) Energy efficient product manufacturing, distribution, construction, installation, and maintenance; (4) Education, compliance and awareness, and (5) Natural resource protection and conservation. Especially important is energy efficient product manufacturing, distribution, construction, installation, and maintenance – This includes companies involved in the research, development or production of goods and services such as solar panels, energy efficient devices, infrastructure and vehicles. It also includes construction companies that install and repair these products in new or existing residential or commercial real estate, as well as real estate planning and land development to generate green jobs. A Green Job is an occupation in which at least one of the following conditions is met: (1) Requires or involves knowledge, skills, training, or experience in areas related to science, technology, engineering and mathematics, and / or technologies that contribute to minimizing impact, and (2) Requires specialized knowledge, skills, training, or experience in these areas while a Green Firm needs the relevant expertise and / or services that are aimed at utilizing resources more efficiently, providing renewable sources of energy, lowering greenhouse gas emissions, or otherwise minimizing environmental impact [6]. The United Nations Environmental Program (UNEP) defines green jobs “... as work in agriculture, forest, fisheries, renewable energy development (R&D), administrative, and service activities that contribute substantially to preserving or restoring environmental quality” [7]. International Labour Organization (ILO)
indicates [8] that “Green jobs” does not lend itself to a tight definition but certainly includes the direct employment which reduces environmental impact ultimately to levels that are sustainable. This includes jobs that help to reduce the consumption of raw materials, decarbonizes the economy, protect and restore ecosystems and biodiversity and minimize the production of waste and pollution. Green jobs are central to sustainable development and respond to the global challenges of environmental protection, economic development and social inclusion. By engaging governments, workers and employers as active agents of change, the ILO promotes the greening of enterprises, workplace practices and the labor market as a whole. These efforts create decent employment opportunities, enhance resource efficiency and build low-carbon sustainable societies [8]. The Eurostat methodology for the “Environmental Goods and Services Sector” (EGSS) does not define “green jobs”, but measures employment in the EGSS. The EGSS is a heterogeneous set of producers of technologies, goods and services that prevent or minimize pollution and minimize the use of natural resources. Thus, environmental activities are divided into two broad segments: environmental protection and resource management [9]. International Trade Union Confederation (ITUC) indicates that “A Green Job should be one which reduces environmental impacts of enterprises and economic sectors, while providing decent working and living conditions to all those involved in production and ensuring workers’ and labor rights are respected” [7].

2.1. Sustainable construction

Modern European society is confronted with new challenges that are conditioned by climate change, rising energy dependence, limited natural resources, efforts for a healthy environment, and as much unspoiled nature as on the other hand, globalization and aging of the population. The latter can support the finding, 50% of the sources of materials and natural deposits are for the needs of the building sector, that over 50% of generated waste is generated in connection with buildings and that buildings consume around 40% of final energy in the EU and are responsible for 35% emission of CO2 into the environment. A large part of the European economy is connected to buildings, around 9% of European GDP and 7-8% of jobs in the EU [10]. European society requires the construction sector to contribute to maximizing the competitiveness of European industry. At the same time, it expects the construction sector to be able to provide better living and working conditions in a built environment. The company also demands that this environment is accessible to all, safe, lasting, pleasant, efficient and adaptable to changing requirements. At the same time, it must also be affordable. In 2005, in the framework of the European Construction Technology Platform (ECTP), the construction sector defined the vision of the development of the industry and developed strategic development Priority for the period up to 2030. The vision of the ECTP 2030 foresees that the field of planning and construction will have to actively deal with the demands of a sustainable and competitive Europe. The vision describes the construction industry as an industry that is intensely oriented towards the customer or user, is a sustainable and on knowledge. It proposes two interlinked strategic goals for achieving the vision: (1) meeting the requirements and needs of the users (meeting client requirements); (2) becoming sustainable [10]. Sustainable cities have existed much longer than the sustainability discourse. Sustainable investment practices much steer urban development. When assessing various possibilities for sustainable investment practices, one vital task we cannot escape is to assess the contribution to energy savings that could be made by cities, their buildings and their citizens. To leave it here would however only serve a narrowly defined sustainability agenda that neglects other dimensions than the “green” ones. In fact, it can be argued that social and economic sustainability issues show more resonance with property investors than that of the older type of environmental-energy sustainability [11]. Sustainability in smart construction comprises three dimensions, e.g. ecological, sociological and economic. Sustainability issues above do not readily fit in to the definitions of the three sustainability dimensions, but are rather combinations of them. Figure 1 synthesis the various facets of the problem area. New business culture makes the profit reinvestment from 3 (economic) into 1 (ecological) and 2 (social) while new other culture keeps the inhabitants happy / satisfied when we maintain 1 (ecological) and 3 (economic). A need for technical solutions, e.g. passive houses, smart houses, remains. The role for the housing market is twofold with focus on buildings and infrastructure. Along with ecology, economics and socio-cultural criteria, there are additional but very important criteria to provide quality: (1) technical characteristics, (2) design and construction of the building, and (3) partly the location characteristics of the building. It seems to be decisive for quality, so that sustainability buildings can be described and evaluated using five dimensions of quality: (1) eco quality, (2) economic quality, (3) socio-cultural functional quality, (4) technical quality, (5) process quality, and (6) quality of location. Different aspects of sustainability they are, inter alia, in the direct interaction, so it is indispensable overall assessment [12]. With regard to circular economy aspects embedded in green economy, performance across the EU MS is very heterogeneous. Countries differ widely with regard to investments.
Key industrial sectors
75% of the economically active population is engaged in industrial sectors. This includes sectors such as manufacturing, construction, and information technology, which are crucial for economic growth and innovation.

Inclusive growth
3% of GDP is allocated for R&D spending. This is aimed at fostering innovation and competitiveness in the economy.

Priority technology areas
Smart growth
- Nanotechnology, micro- and nanoelectronics
- Photonics, biotechnology, advanced materials, and advanced manufacturing and process technologies
- Pharmaceutical industry
- Food-processing industry and sustainable agriculture
- Chemical and process industry
- Biotechnology and other related technologies
- ICT

Environmental and energy efficiency
The efficient use of natural resources and energy conservation are critical for sustainable development. Policies addressing energy efficiency and climate change are essential for reducing environmental impacts and promoting green growth.

Green jobs
To overcome obstacles and achieve common goals of European Union 2020, Slovenia set the following national targets for 2020, which apply to green entrepreneurship and innovation, as taken into account in Slovenia’s Development Strategy to 2020 [14], Table 2. Environmental change itself and policy efforts aimed at more sustainable growth have important feedbacks on the labor market: they affect how and what is produced and how work is organized. The dynamics of labor market outcomes are complex and difficult to predict [7]. Policies aimed at greening the economy might imply some degree of labor reallocation. In turn, this requires appropriate labor market policies and addressing mismatches between the demand and supply of employment and skills, ensuring that the transitions are fair, and fostering the direct and indirect creation of jobs. Localities that have specialized in certain sectors will eventually become declining sectors (e.g., fossil fuel production) will face challenges in developing new specializations. Green growth will provide new opportunities for local economic development initiatives. Some green technologies may initially have a higher than average labor intensity, differences in labor intensity are likely to diminish over time once initial investments have been made, and new green technologies mature and become more productive, as is the case with all type of industrial sectors. It is crucial to take all these factors into account to develop economic policies in Europe that maximize both environmental benefits and quality job creation, and also minimize negative effects.

Most of the new green jobs in the EU and Slovenia as well, generally occur in small and medium-sized enterprises (SMEs), as demonstrated in the recent survey by [13], which also shows that these companies are not interested in green jobs because dealing with the problems of the crisis, and partly because the company is not familiar with them. Study of analysis of demand for labor in Slovenia within the framework of the research project of strategic corporate restructuring revealed a lack of systematic monitoring and validation of green jobs [15]. Green jobs in Slovenia are not systematically monitored and not are defined. Most green jobs in Slovenia caused by many factors: renewable energy, energy-efficient construction, waste collection and waste water management, organic farming, and public transport. Nowadays, more and more students are educating and training for green jobs and career. Number of now defined green jobs number in Slovenia is very low. Green jobs in total are about 7,250, this represent just 1% of total employment, number of widely-defined green jobs but relatively comparable with other developed countries is 2% of total employment. A positive growth rate of general employment in Slovenia is indicated and has to be considered for future green jobs evolution [16]. Majority of the new green jobs are generated in sectors such as alternative energy sources, construction, centered primarily in the construction of energy efficient buildings (increase energy efficiency), transportation both in terms of car production to alternative energy sources, as well as an improvement in fuel efficiency, production and recycling eco-friendly products and agriculture, for example, the direction of sustainable development [15]. It is worth to highlight in this context. Gradual shift in the greening of industries as part of the corporate restructuring will result in even greater demands for greater multidisciplinary nature of jobs, employers are looking for workers is the transversal competences. Such skills can be applied everywhere in the working process: strategic planning, leadership, management skills, communication, and counseling for end-users, coordination, risk analysis, adoption and transfer of knowledge [15]. Because of the high initial costs, uncertain financial benefits and repayment of long-term investments in green technology, Governments have a key role in promoting changes in behavior or attitude towards environmentally friendly technologies and processes, both individuals and businesses. This cannot be achieved by purely legislative prohibitions and obstacles, but also by providing effective incentives. By setting the right incentives regulation may also influence the development and use of new green technologies that improve resource efficiency or energy pro-

### Table 1. SIP priority areas [13]

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Priority technology areas</th>
<th>Key industrial sectors</th>
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<tbody>
<tr>
<td>Environmental and energy efficiency</td>
<td>Environmental technologies (technologies for increasing material efficiency etc.)</td>
<td>Chemical and process industry</td>
</tr>
<tr>
<td>Sustainable mobility</td>
<td>Technologies for sustainable mobility</td>
<td>Automotive industry</td>
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<tr>
<td>Food, health and aging population</td>
<td>Biotechnology and other related technologies</td>
<td>Pharmaceutical industry</td>
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<tr>
<td>Food-processing industry and sustainable agriculture</td>
<td>Sustainable tourism</td>
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<tr>
<td>Chemical and process industry</td>
<td>Food-processing industry and sustainable food production</td>
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<tr>
<td>Pharmaceutical industry</td>
<td>Sustainable tourism</td>
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<tr>
<td>ICT</td>
<td>Electrical industry and electronics</td>
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<tr>
<td>New materials</td>
<td>Metal-processing industry, engineering and tool-making</td>
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<tr>
<td>Potential KET – Key Enabling Technologies</td>
<td>Nanotechnology, micro- and nanoelectronics, photonics, biotechnology, advanced materials, and advanced manufacturing and process technologies</td>
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### Table 2. National development objectives to year 2020 [14]

<table>
<thead>
<tr>
<th>Priority</th>
<th>Smart growth</th>
<th>Inclusive growth</th>
<th>Green growth</th>
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<tbody>
<tr>
<td>National objectives</td>
<td>3% of GDP for R&amp;D</td>
<td>75% of the economically active population</td>
<td>20-20-20 Environmental objectives</td>
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<tr>
<td>4% of school leavers and 40% of tertiary educated</td>
<td>40 000 people out of poverty</td>
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To overcome obstacles and achieve common goals of European Union 2020, Slovenia set the following national targets for 2020, which apply to green entrepreneurship and innovation, as taken into account in Slovenia’s Development Strategy to 2020 [14], Table 2. Environmental change itself and policy efforts aimed at more sustainable growth have important feedbacks on the labor market: they affect how and what is produced and how work is organized. The dynamics of labor market outcomes are complex and difficult to predict [7]. Policies aimed at greening the economy might imply some degree of labor reallocation. In turn, this requires appropriate labor market policies and addressing mismatches between the demand and supply of employment and skills, ensuring that the transitions are fair, and fostering the direct and indirect creation of jobs. Localities that have specialized in certain sectors will eventually become declining sectors (e.g., fossil fuel production) will face challenges in developing new specializations. Green growth will provide new opportunities for local economic development initiatives. Some green technologies may initially have a higher than average labor intensity, differences in labor intensity are likely to diminish over time once initial investments have been made, and new green technologies mature and become more productive, as is the case with all type of industrial sectors. It is crucial to take all these factors into account to develop economic policies in Europe that maximize both environmental benefits and quality job creation, and also minimize negative effects.

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duction to sustainable levels, reducing waste and increasing the use of renewable energy sources that do not pollute the environment. In most countries, including Slovenia, regulations are also major factors of the promotion of eco-innovation (35%), followed by market demand from customers (30%) while 10% present fiscal incentives [17].

At national level, the most important green jobs sectors are Renewable energy (RE) and the Energy efficiency and construction. In total, 3,375 green jobs in RE sectors are indicated in Slovenia in 2018 with adding of construction sector a total number of 7,250 green jobs are in total considering a pure definition of a green job. According to wider definition, a total of 15,000 green jobs are generated across the sectors with 50,000 green-oriented jobs in sustainable forestry and wood industry, sustainable tourism, eco-agriculture, waste management, building and construction, and social entrepreneurship [16, 18].

There are quite a number of reports available about job creation potential result of a more ambitious transition towards renewable energy production. A good example is the "A 100% Renewable Energy Vision for the European Union" report, the European Renewable Energy Council proposed a pathway to achieve 100% renewable in the energy sector. Considering that a target of 45% renewable energy in final energy consumption in 2030 is met, this would provide an average annual growth rate of about 6% on 2020. If a target of 100% renewable energy was followed, this constitutes an average annual increase of gross employment of 36% and 30% respectively compared to 2009 [19].

In 2016, the sector of Energy Efficiency and Building is indicated as the second most important [3][20]. Energy efficiency activities in construction workforce largely do not satisfy the procedural requirements of nearly zero energy building; therefore the current skills and competences of the workforce largely do not satisfy the procedural requirements of nearly zero energy building; the capacity of the construction sector needs upgrading to cope with new challenges; an essential part of this transformation is to be achieved by providing further training for the acquisition of specific skills related to energy efficiency, and by increasing the number of skilled labor; and to achieve this it is necessary to firmly partake in training of sector-specific national stakeholders, using the findings of the report on the status quo in order to create a good schedule (roadmap) of the definition of training needs, content, objectives and time frame that corresponds to the national state. Therefore the Chamber of Commerce for Construction has reported about 4,750 employees in green related to nZEB in 2015 and a need for additional training and education for cumulative merely 4% trained employees in 2020 [19].

Green Building Council of Slovenia (GBC) reported that sustainable construction in the first place means the proper choice of materials and implementation. The two most important aspects are: (1) The lifetime of the building, which is most influenced by the choice of materials, construction and maintenance. The Sustainable aspect introduces in the construction materials the most suitable criteria for the above criteria, and (2) Flexibility; This is reflected in the ability to satisfy different user needs [20].

GBC selects perspective of sustainable construction which focuses on the following aspects: (1) Control of direct cost of living; (2) Controlling the indirect cost of living; (3) Accessibility of housing to risk groups (elderly, socially deprived, etc.); (4) Psychological and social function of housing; (5) Criteria for expanding areas suitable for staying. Sustainable construction and energy and ecological efficiency improves the quality of life and the efficient use of natural resources, we also need to: (1) Energy rehabilitation of existing buildings; (2) Sustainability criteria for new buildings; (3) Rational use of natural, non-renewable resources; (4) Introduction and use of renewable energy sources; (5) Effective land use; (6) Efficient use of energy; (7) Selection of building materials according to the criteria of "built-in energy" (energy used for their creation and use), reproducibility and destruction or recycling costs; (8) Limit levels of water consumption as well as control over its quality; (9) Achieving more comfortable living with less investment, especially through the path of technological innovation and innovation in service activities. Figure 3 shows a plan how to make synthesis on aforementioned criteria of degraded the abandoned quarry area and asphalt base [10].

Recycling ensures that resources remain in the economy via a closed-loop process. It is directed to a reasonably large part of waste away from a linear economy model characterized by resource depletion and waste. It also reduces virgin non-renewable resource use, directly helping decouple material use from economic growth and production of environmental impacts. Recycling could help ensure that the EU has secure supplies of critical resources, especially rare metals, by covering a reasonably large part of current consumption of certain materials. The employment opportunities in the recycling sector include low-skilled work in particular, but also include medium- and high-skilled jobs, ranging from collection, materials handling and processing to manufacturing products. An annual growth of recycling of 6% is predicted for Slovenia, because of closing a number of small landfills and construction of full engineered waste treatment regional centers. Recycling 10,000 tons of waste needs up to 250 jobs compared with 20 to 40 jobs needed for the system of non-renewable resources, and thus it was in the sector of waste management employs around 6,600 people. That same year, the Slovenian companies in the waste management employed more than 175 million and the waste to spend 280 million of current expenditure [16]. The net effects of waste collection and waste water management on employment in the construction sector. To estimate the effects on employment we need an alternative scenario. Environmentally friendly alternatives would reduce the amount of waste, for example by extending the life of the product. Usually people argue that this would lead to an increase in the number of jobs, it would mean a shift from the secondary to the tertiary sector. This energy would be replaced by employment in the recycling sector is more energy-intensive than the tertiary sector. The reason for this lies in the fact that the tertiary sector uses multiple means, whereas also energy-intensive. Research also shows us that it is not clear whether it will reduce the amount of waste lead to an increase in the number of jobs. Besides the famous 3 R’s (reduce, reuse, recycle), further
The goal of a sustainable resource and waste management must be to ultimately achieve a transition to a fully fledged circular economy within this century [2], i.e. to preserve the value of the resources and materials as long as possible, to reuse them as often as possible, and ideally, to use two or as little as possible waste. The concept includes all sectors of the economy; especial the construction sector must adopt this concept as far as majority of waste is generated in this sector; from raw materials over production, storage and consumption, as well as the disposal or recycling. Through the closing of loops waste shall become a resource again (so-called "second-sourcing") [20].

One important measure was found in Slovenian practice. As far as public procurement presents 16% of EU GDP several institution proposed green-based public procurement [1, 19, 24] where all aspect of sustainability are taken into account, economic, ecological and social [20]. Green public procurement in construction sector has to be treated carefully. Green sustainability in construction sector is much more than that, because a large majority of waste is generated in this sector along with high consumption of energy and released emissions of CO₂. Three aspects of sustainable construction should be considered, namely economic, ecological, and social. To reduce waste, energy consumed and emissions of CO₂ in construction sector a concept of circular economy is proposed. Moreover, green public procurement should significantly contribute to net savings in construction sector, where a measure of LCC must be adopted on regular basis. In the case of green public procurement, it could be prescribed: (1) Requirements for meeting the criteria required for passive house, Minergie house, low energy house or any other very low energy house (the criteria are summarized, the calculation method is given, and the sign itself should not be prescribed), and (2) requirements for meeting more complex criteria for sustainable construction, given in the context of signs such as LEED (Leadership in Energy and Environmental Design), BRREAM (Building Research Establishment Environmental Assessment Method), GBTol, SPEAR (Sustainable Project Appraisal Routine), DGNB (German certificate for sustainable buildings).

However, the question to what extent do the green jobs really help to reduce unemployment remains unanswered. The need to calculate the net impact of green jobs on employment remains unanswered. It is essential that the assessment of green jobs has to combine also the social and ecological criteria.

4. Conclusions

Green economy as new paradigm significantly affects and national economy, but efficacy of the green sectors is ambiguous. To find more support for green jobs, solid strategies must be done along with a precise definition of green job nature. Precisely how to measure net effects of green jobs. A huge potential for green jobs is reported in several EU member states, but if the net effects or savings are not known, it is difficult to argue how effective the mutual influences of green economy are. Green sustainability in construction sector is much more than only a need, because a large majority of waste is generated in this sector along with high consumption of energy and released emissions of CO₂. Three aspects of sustainable construction should be considered, namely economic, ecological, and social. To reduce waste, energy consumed and emissions of CO₂ in construction sector a concept of circular economy is proposed. Moreover, green public procurement should significantly contribute to net savings in construction sector, where a measure of LCC must be adopted on regular basis. In the case of green public procurement, it could be prescribed: (1) Requirements for meeting the criteria required for passive house, Minergie house, low energy house or any other very low energy house (the criteria are summarized, the calculation method is given, and the sign itself should not be prescribed), and (2) requirements for meeting more complex criteria for sustainable construction, given in the context of signs such as LEED (Leadership in Energy and Environmental Design), BRREAM (Building Research Establishment Environmental Assessment Method), GBTol, SPEAR (Sustainable Project Appraisal Routine), DGNB (German certificate for sustainable buildings).