

NEWSLETTER COMPENER PROJECT

SOME FIGURES

Italy

The green economy, as a way out of the crisis, and green jobs as a new growth industry that troll the recovery also in Italy. Based on the research "Green Italy" made by the Foundation Symbola and Unioncamere, up to 2010 there were 200 thousand green jobs already created, and some 800 thousand are in the planning stage. In other words, this study predicted that 1 million of working places could be generated by green economy in three years.



Spain

Transitioning to a green economy has a huge potential to create new jobs in Spain at a time when the crisis-hit country is reeling from a 50% youth unemployment rate, according to a newly released report. However, the report titled Green Jobs for Sustainable Development – The case of Spain, says that, At present, there are between 400,000 and 500,000 green jobs in Spain, an estimate which is equivalent to about 2.2% of the country's total employment.

Romania

The massive restructuring undergone by the Romanian economy throughout the mid-late 1990s has led a dramatic drop in employment. The most affected were the metallurgy, mining and chemical industry sectors. As a result of this shift, employment structure has also witnessed significant changes. Services sector, labour intensive but environment friendly, has become the main provider of jobs. While not precisely pursuing policies directed at the creation of green jobs, however, in 2008 the share of total employment of "green" (low carbon) sectors reached about 68.2%. Moreover, new integrated law on education gives special attention to the development of competences.

GREEN JOB OPPORTUNITY IN ITALY, SPAIN AND ROMANIA

During the last decade year the European Commission's energy policy gave its priority on promoting RES and enhancing EE improvement. A number of related EC directives were issued, such as:

- Directive 2006/31/EC on energy end-use efficiency and energy services
- Directive 2010/31/EU on the energy performance of buildings (recasting of 2002/91/EC)
- Directive 2009/28/EC on the promotion of the use of energy from renewable sources (repealing the above two EC directives)

It is interested to note that, associated with those EC Directives, so called 'Green Jobs' have been introduced to labor market for the implementation of the actions/measures indicated in the directives. The following table shows those 'Green Jobs' that shall build the Green economy in Italy, Spain and Romania, and fight global warming.



Measure for EE & RES	Main Representative Green Jobs
Building Retro-fitting	1. Building energy auditors, 2. Construction managers, 3. Architects, 4. Electricians, 5. Heating/Air conditioning (heat pump) installers, 6. Carpenters, 7. Construction equipment operators, 8. Roofers, 9. Insulation workers
Solar thermal & PV energy	1. Solar energy engineer; 2. PV energy managerial engineers; 3. PV generation system engineers; 4. Engineers specialised in installation of small PV plant; 5. PV lab researchers; 6. Technical experts in PV system; 7. Technicians specialised in PV cell production and testing; 8. Technical experts of solar thermal heater; 9. PV system designers; 10. PV cell designers; 11. Technical installers of PV system; 12. Technical installers of solar thermal system; 13. Sale consultants of residential PV system; 14. Sale consultants of solar thermal system; 15. Energy managers in PV sector; 16. Energy managers in solar thermal energy sector
Biomass	1. Civil engineers, experts for agricultural thematic and agricultural supply system; 2. Operators of biogas collection system; 3. Technicians of biogas system; 4. Technicians of LGE (Landfill Gas to Energy) plant; 5. Persons specialised for collection, separation and selection of biomass; 6. Persons specialised for function, engineering and maintenance (installer) of biomass plant; 7. Analysers of biomass marketing; 8. Intermediary of biomass; 9. Energy managers in biomass sector; 10. Environmental chemists; 11. biomass producers
Wind Power	1. Civil/environmental engineers, experts for design of wind farm; 2. Project leaders of wind powder stations; 3. Managers in wind sector for commercial applications; 4. Electrical engineers of wind turbines; 5. Mechanical technicians of wind turbines; 6. Electrical technicians of wind turbines; 7. Technicians in wind sector; 9. Technical installers of wind generations; 10. Operators of wind turbines; 11. Workers of metallic plates for wind turbine; 12. Designers of wind plans; 13. Sellers of wing plants; 14. Environmental biologists
Low enthalpy geothermal	1. Civil engineers/experts/technicians specialised in low-enthalpy geothermal systems; 2. Installers of low enthalpy geothermal plants; 3. Energy managers in geothermal sector
Transversal professional figures	1. Managers in renewable energy planning; 2. Environmental surveyors or ecologic technicians; 3. Environmental guarantors; 4. Environmental lawyers, experts in legal aspects and trading of renewable energy; 5. Experts in renewable energy planning/design; 6. Managers of energy plan; 7. Smart grid engineers

For any questions, information, please do not hesitate to contact us: www.compener.enea.it