

Digest of Green Reports and Studies

Title	<i>Skills for Green Jobs in South Africa</i>
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Organization	The International Labour Organization (ILO) and The European Centre for the Development of Vocational Training (Cedefop)
Author Contact	Unedited Background Country Study International Labour Office Skills and employability Department Geneva: ILO, 2010 Email: pubvente@ilo.org www.ilo.org
Publication Type	Policy Analysis
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# of Pages	121 pp.
URL	http://www.ilo.org/skills/what/pubs/lang--en/docName--WCMS_142475/index.htm
Summary	This research report examines the current issues in South Africa pertaining to greening the economy with special attention to skill requirements now and in the future. The report finds that market forces tend to be more effective than current policies, although there is potential for policies to direct significant structural changes. Skill development structures are well developed but are led by market demand, which may lead to green skills requirements either being overlooked, or being provided outside of this framework. The report recommends a cohesive approach at the national level and a strong implementation of the pre-existing skills framework.
Key Findings	The report identified the following: <ul style="list-style-type: none"> • South Africa is at the outset of identifying the economic possibilities presented by greening the economy and moving toward a low carbon pathway of development. • No policies exist that specifically and exclusively address green jobs and skills. • The challenge of transitioning to a low carbon economy is a formidable one and developments have been almost exclusively driven by the market rather than policy. • Incentives are being developed for renewable energy technology adoption, which could represent a significant restructuring of the economy. • The major sectors with a greening potential include: Construction and Architectural Design, Agriculture, and Renewable Energy • South Africa currently faces a lack of skilled workers across all sectors; this could effect the development of new green skills and the greening of existing skills. • Having skill development structures in the right place at the right time is a critical success factor for South Africa's transition into a low carbon economy. • Events in the energy industry have already helped to drive some green measures and market forces will continue to play a large role. <p>Additional key observations can be found throughout the report.</p>
Recommendations	<ul style="list-style-type: none"> • Establish a National Low Carbon Economy Skills Forum to monitor and direct the National Qualifications Framework (NQF). • Include this Forum in consultations between Sector Education and Training Authorities (SETAs), Standards Generating Bodies (SGBs), industry and academic institutions. • Enforce existing environmental policy more strictly. • Public skills institutions should support the numerous private skills development initiatives which are being developed throughout the country. • Integrate climate change responses into the mainstream economic development of South Africa. • Undertake a thorough examination and mapping exercise into the current green training activities that are being performed in South Africa. • Identify both global and domestic trends in consumer behavior in the market for green products and services. • Produce an appropriate skills base essential to a transition to a low carbon economy. • A conference in South Africa between industry, government, labor (trade unions) and civil society is strongly recommended to facilitating dialogue and stimulating action in the development of green skills. <p>Additional recommendations can be found on pp. 80 – 84.</p>
Definition of "Green"	The ILO has defined "green jobs" as "work in agriculture, industry, services and administration that contributes to preserving or restoring the quality of the environment." (UNEP et al. 2008).
Methodology	Literature Research

Data Sources Cited	<ul style="list-style-type: none"> • Agama Energy. 2003. <i>Employment potential of renewable energy in South Africa</i>. • Daniels, R.C. 2007. <i>Skills shortages in South Africa: A literature review</i>. School of Economics, University of Cape Town, Development Policy Research Unit. DPRU Working Paper No. 07/121. • DEAT (Department of Environmental Affairs and Tourism). 2004. <i>A national climate change response strategy for South Africa</i>. • Department of Labour. 2008a. <i>National scarce skills list 2008</i>. Full list can be found at: http://www.labour.gov.za/documents/useful-documents/skills-development/national-scarce-skills-list-2008/ • ILO (International Labour Organization). 2007. Retrieved from: http://www.ilo.org/wow/Articles/lang--en/WCMS_083900/index.htm • UNEP (United Nations Environment Programme). 2009. <i>Global environment outlook</i>. Retrieved from GEO Data Portal: http://geodata.grid.unep.ch/results.php <p>These are just a select few of the sources mentioned in the document; please see report for complete list.</p>
Report Geography	South Africa
Green Occupations Cited	<ul style="list-style-type: none"> • Agricultural and Forestry Scientists • Architects/Green Buildings Advisors • Civil Engineers • Climate Change Advisors/Climatologists • Electricians • Mechanical Engineers • Solar Water Heating Technicians • Sustainability Managers <p>Additional occupations are found throughout the report</p>
Green Industries Cited	<ul style="list-style-type: none"> • Agriculture • Alternative Energy • Construction • Engineering • Fabrication and Extraction • Information Technology • Manufacturing • Transport <p>Additional Industries may be cited throughout the report</p>
Keywords	Energy Tariffs; Greenhouse Gas (GHG); Greening; Low Carbon Economy (LCE); Photovoltaic (PV); Public Private Partnership (PPP) Programs; Renewable Energy; Solar Water Heating (SWH).
Legislation Cited	Air Quality Act (2004), Biodiversity Act (2004), Integrated Coastal Management Act (2008), Integrated Waste Management Act (2004), National Water Act 1998 Additional Legislation may be cited throughout the report
Bibliography (Y/N)	Yes
Reviewer Name/Org	Karen del Gallego, LMID-ORG

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