Carbon Management

Introduction

Carbon management is a growth area and offers a variety of opportunities in a wide range of fields. Some useful starting resources include:

- Edinburgh University Carbon Masters Society (EUCMS) [www.eucms.org](http://www.eucms.org)
- MSc Carbon Management Careers Pages [http://edin.ac/174u8e3](http://edin.ac/174u8e3)

This industry is constantly evolving and is often in the press. Keeping abreast of the media and reading relevant articles will help to broaden your knowledge and awareness of this area. Examples of where to find useful articles include:

- Guardian: [www.guardian.co.uk/environment/carbon-emissions](http://www.guardian.co.uk/environment/carbon-emissions)

The information in this document will provide you with some starting points within the Careers Service as well as providing some ideas of potential employers.

Careers Service resources

For further information on careers related to carbon management use the following resources:

- [www.ed.ac.uk/careers/occupations](http://www.ed.ac.uk/careers/occupations) > natural resources and the environment (Green folders (R) Natural Resources and the Environment)
- [www.ed.ac.uk/careers/occupations](http://www.ed.ac.uk/careers/occupations) > accountancy & financial management (Green folders (J) Accountancy & Financial Management)
- [www.ed.ac.uk/careers/occupations](http://www.ed.ac.uk/careers/occupations) > construction & property management (Green folders (Q) Construction & Property Management)
Jobs

There is huge variety in the roles available within carbon management. Looking on the websites of organisations who work in the field of carbon management will give you an idea of what roles are available and what they involve. Listed are some job titles intended to provide a flavour of what’s available:

- Environmental markets assistant
- Carbon footprinting analyst
- Carbon accreditation associate
- CDM project analyst
- Business development associate
- Land quality consultant

Typical Employers

Below are lists of organisations who are in some way related to the field of carbon management. This is to give you an idea of the areas in which you could work. **Please note that this is not a comprehensive list.** You should also visit the Carbon Show website ([www.thecarbonshow.com](http://www.thecarbonshow.com)) as they have details of exhibitors who attended previous events and employers who will be attending the most recent event. A great source of potential employers!

Institutes/Not-for-Profit Organisations/Professional Bodies/Public Sector/Public Sector Organisations

(Professional bodies are a useful resource as they frequently contain lists of their members which gives you access to potential employers. These organisations are also a good source of up to date specialist news articles).

- Action Sustainability
- Adaptation Scotland
- Aldersgate Group (build political support for smarter environmental policymaking and implementation)
- California Climate Action Registry
- Carbon Trust
- Cenex (Centre of Excellence for low carbon and fuel cell technology)
- Central Government (e.g. DEFRA); Local Authorities (UK); e.g. ‘Norfolk Climate Change Partnership’ (scheme for 7 district councils & county council)
- Chartered Institute of Housing
- Environment Agency
- Equiterre (Ecological agriculture, fair trade, ecological transport, and energy efficiency, based in Canada)
- Finance Alliance for Sustainable Trade
- European Environment Agency (EEA)
- Forestry Commission
- Green Business Partnership (Scottish environment-based projects which are advertised on MyCareerHub)
- Greenhouse Gas Institute
- Greenpeace
- Groundwork
- Hi Energy (Scottish renewable energy technologies & the market for this energy, including names of local businesses supplying the sector)
- International Energy Agency (IEA) and IEA GHG
- Institute of Ecology and Environmental Management (IEEM)
- Institute of Environmental Management & Assessment (IEMA)
- Institute for Public Policy Research
- Keep Scotland Beautiful (Climate Challenge Fund)
- National Parks; National Trust (land-based conservation and tourism organisations)
- Oxfam; Actionaid and other international humanitarian charities
- Partnership for Renewables
- Scottish Renewables (green energy trade association)
- Scottish Environment Protection Agency (SEPA)
- Scotland & Northern Ireland Forum for Environmental Research (SNIFFER)
- Scotland & Northern Ireland Forum for Environmental Research (independent, not-for-profit organisation working internationally with government and business leaders to accelerate a low carbon economy)
- Transport Scotland
- United Nations Development & Environment Programmes
- Universities (for lecturing/research or consultancy to business/government positions)
- USCan Climate Action Network
- VisitScotland
- Wild Things.org.uk (environmental education charity)
- WorldBank
- World Wildlife Fund
- World Resources Institute
- 2Degrees (collaborative problem-solving and innovation service for sustainable business – useful membership list)
Examples of Consultancies (Services & Solutions)

- ADAS (independent, science-based environmental/rural consultancy)
- Anthesis – (global sustainability consultancy)
- CAMCO
- Carbon Consultancy (The) (reduction and management of carbon emissions. Provides information, education, audits, reduction strategies and offset procurement)
- Carbonflow Inc (develops and markets software for carbon reduction market participants)
- CarbonNeutral Company
- Carillion Energy Services
- CBRE (reducing energy consumption and greenhouse gas emissions through network of energy and sustainability professionals)
- ClimateCHECK (GHG management, carbon commodity and clean technology solutions)
- Ecofys (specialises in energy saving and renewable energy solutions, offering research and consultancy services as well as product development. One of the largest consultancy firms in sustainable energy and climate policy)
- EnviroCentre (UK-based specialist environmental consultancy)
- Environmental Resources Management (ERM) (global provider of environmental, health and safety, risk, and social consulting services)
- Giraffe (low carbon design and environmental consultancy)
- Green Cat Renewables (energy consultancy specialising in wind farm, wave energy and small scale hydro development)
- Green2020.com (environmental strategy, carbon management programmes, footprinting, assessment of energy usage and CO2 emissions, & solutions implementation)
- Greenstone Carbon Management (accounting, reduction, offsetting consulting & solutions)
- Impact International
- Impetus Consulting
- IMServ (carbon & energy solutions)
- Inenco (energy consultancy)
- Lloyds Banking Group (consultancy division)
- LowC (energy efficiency and low/zero carbon buildings)
- LTS International (Scottish-based consultancy and project management services to support sustainable development in the public and private sectors across the world).
- Natural Power (project managers, ecologists, GIS and mapping experts, construction managers, wind farm designers, geotechnical engineers and land agents delivering technical and management services)
- NQ Consulting
• PwC Sustainability & Climate Change Group (McKinsey & Co, Deloitte, Accenture and Ernst & Young may also offer similar roles)
• Sgurr Energy (renewable energy consultancy specialising in wind energy, wave energy, bio-energy, solar energy, hydro-electric & micro-generation)
• SQW Energy
  (Carbon management (software) solutions)
• Wood MacKenzie (energy consultancy)
• WRC (research and consultancy in water, waste and the environment, including carbon management)
• WSP Environment & Energy (global consultancy on all aspects of environmental, energy, sustainability, climate change, and business risk issues)

Examples of Carbon Trading/Aggregating/Offsetting Companies

• Investment banks have ‘carbon desks’. These include: Barclays Capital; JPMorganClimateCare; Goldman Sachs; Standard Bank; Morgan Stanley; Credit Suisse, Deutsche Bank
• Blue Source (North American offsetting portfolio)
• CarbonLink (Australian company providing services in international carbon trading)
• Climate Markets and Investors Association (CMIA): international trade association representing firms that finance, invest in, and provide enabling support to activities that reduce emissions across five continents.
• ClimateChange Capital (investment manager/advisor opportunities generated by global transition to low carbon economy).
• Ecosecurities (sourcing, developing and trading carbon credits generated from greenhouse gas emission reduction projects)
• JPMorganClimateCare (provides advice and support to companies and project developers in emerging markets to emissions reduction credits from projects that successfully reduce greenhouse gas emissions)
• Bloomberg New Energy Finance (provider of high quality research and analysis within the world’s carbon markets)
• Ingram Mayet; Cornell Partnership; Aquila Consulting (just three of many recruitment agencies seeking carbon/emissions traders and portfolio managers)
• Trading Emissions Plc (UK-listed fund investing in tradable environmental permits) create
• Wheb Ventures (clean technology investment fund)
Examples of potentially relevant Industries and Companies:

- Engineering/construction consultancy and project management services e.g Amec, Aker Solutions, Amey Plc, Arup, Mott MacDonald, Mouchel, MWH Global, Parsons Brinckerhoff, Scott Wilson
- British Airways Authority (BAA)
- BDSP Partnership (international consulting engineering practice, specialising in sustainable, energy-efficient buildings and built environment)
- Centrica
- Clean technology companies
- Dooson Babcock Energy
- Frontier Agriculture
- IBM
- Nuclear energy companies
- Major retailers, such as Tesco and Sainsburys, with property/distribution portfolios
- SAP (carbon impact software development)
- Scottish Water
- Energy suppliers e.g. Scottish Power, EDF, British Gas, EON
- Energy exploration and supply companies e.g. Shell, BP, ExxonMobil
- UPM Tilhill
- Waste management companies (professional body at www.ciwm.co.uk)

Examples of Renewable Energy Firms:

- Abo Wind
- ICE Renewables
- REPower
- Renewable Devices.com (Scottish wind turbine design & manufacturer)
- Global Energy Group (Energy Resources, Engineering and Infrastructure Group focused on Africa with international operations)
- Vital Energi (UK leader in the provision of combined heat and power (CHP) and community energy solutions)
- RES Group (Global renewable energy company)

To find further details of renewable energy companies use the resources in www.ed.ac.uk/careers/occupations > Natural resources and the environment
Recruitment Agencies and Vacancy Sites:

- MyCareerHub (Accessible via the Careers Service Website or MyEd)
- www.acre-resources.co.uk
- www.allen-york.com
- www.brightgreentalent.com
- www.edie.net/jobs
- www.environmentjob.co.uk
- www.changeagents.org.uk
- www.greenjobsonline.co.uk
- www.greenroles.co.uk
- www.hays.co.uk/energy
- www.jamrecruitment.co.uk
- www.lowcarbon.com
- www.newscientistjobs.com
- www.quanta-consulting.com
- www.environmentjobs.com

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