

University of Edinburgh

School of GeoSciences

MSc in Carbon Management
Dissertation Titles 2014-2016

Year 2016

Adjei, R. F.	PROMOTING AND SUPPORTING THE CUNCUN SAFEGUARDS IN GHANA'S REDD+ PROCESS: POTENTIAL CHALLENGES AND MITIGATION STRATEGIES
Alessandroni, R.	ASSESSING ROLLS-ROYCE CIRCULARITY: The Transition Towards the Circular Economy in the Aerospace Industry
Allan, C. J.M.	Environmental implications from removal to Shore Environmental implications from removal to shore decommissioning of offshore oil and gas platforms in the North Sea
Barshilia, K. KAMAYANI	Paris COP and its success
Bunting, K. T.R.	Crypto-Carbon-Credits - A Speculative Examination of Cryptocurrencies for Personal Carbon Trading
Chateau, M.	An Assessment of Solid Biomass Sustainability Across Three EU Member States
Collins, L. T.	Business Leadership on Climate Change: Case Studies and Lessons Learned
Dutton, K. R.C.	Transitioning to a Low-Carbon Electricity Sector under Different Models of Capitalism: A Comparison of the UK and German Transitions
Emery, M. A.	Policy options to promote circular economy within the clothing sector
Freitas, T.	Applying Circular Economy and Healthy Building Principles to Shipping Container Buildings
Huang, C.	Using GIS-LCOE Approach for of Renewable Energy Decentralised Generation Economic Feasibility Assessment: A Case Study of Scotland
Jackson, D. J.	The vulnerability of maize production and wider food security in Malawi as an impact of climate change and an adaptation response
Jedicke, S. D.T.	STUDENT-LED FOSSIL FUEL DIVESTMENT MOVEMENT: EVALUATING STUDENT ATTITUDES TOWARDS, AND THE SUCCESS OF, THE MOVEMENT.
Jimenez, X. XAMAN	Low-carbon technologies in the European cement industry: Are they viable options?
Jones, D.	Strategic Climate Change Communication: A combined Audience Segmentation and Framing Theory analysis to explore which types of message frames resonate the best with different climate change audiences

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Karsiwulan, D.	Second Generation Biofuel from Palm Oil Residues: Barriers and Opportunities in Indonesia
Metaxas, S. J.	Copenhagen's Surplus Food Supermarket: An Edinburgh Feasibility Study
Miller, E. ERIN	Consumer attitudes towards entomophagy in the UK
Speller, T.	Genetic manipulation of wheat as a strategy to combat rising temperatures in European agriculture
Stamoulis, A. ATHANASIOS	Could Border Carbon Adjustments be a realistic policy tool in 2016's European Union?
Wong, W. G.	What can Hong Kong do until 2050
Ziemann, J.	How significant is EU climate policy for the power sector development in Poland?

Year 2015

Arnal gorria, A.	Barriers to the Deployment of Electric Vehicles' charging infrastructure in Scotland
Berkman, S.	The Multi-level Perspective as an Evaluative Framework: A case study of the Edinburgh Centre for Carbon Innovation
Cao, F.	Case studies of the oil and gas companies mitigation strategy development in China and the UK
Carson, J.	Waste not, want not - a study to better understanding constrained wind energy in Britain, and explore the consequences for energy storage.
Devivo, R.	Drivers of change: How hospitality businesses are promoting sustainability within the tourism sector in Scotland
Fredriksson, T.	Benefits, drivers and barriers: A case study of market-based rural electrification in Ghana using a solar battery charging station
Graczyk, P.	Anaerobic Digestion at the University of Edinburgh- Feasibility Study
Hanson, K.	Electrifying Surface Transport: Evaluating the Theoretical use of Scotland's Sustainable island Framework in Oahu, Hawaii.

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Harnett, S.	<u>More Wind or Biomass at Moneypoint? Comparison of Two Options for Reaching Ireland's 2020 Renewable Energy Electricity Target</u>
Hawkins, J.	<u>Integrating climate change into Red Cross drought Vulnerability and Capacity Assessment</u>
Hsu, K.	<u>Climate change effects on Scottish peatland carbon dynamics by 2100 and reductions in carbon loss through peatland management</u>
Höchsmann, M.	<u>Exploring the Impacts of Subsidy Changes on Community Energy: Assessing Vulnerabilities and Analysing Implications for the Sector</u>
Iwamura, Y.	<u>Quantitative Social Cost Comparison of Future Power Generation Energy Mix Scenarios for Japan: the Role of Emission-Related Externalities</u>
Jackson, M.	<u>A quantitative analysis of the greenhouse gas emissions generated by food waste in scottish households</u>
Lewis-jones, A.	<u>An actor-based analysis fo the potential for wind propulsion technologies in international shipping</u>
Li, Q.	<u>Accessing UK-based Online Carbon Footprint Calculators: How Effective are they in Affecting Individual Behaviour Change?</u>
Li, M.	<u>A survey study of residential energy consumption in Shanghai China</u>
Lin, Y.	<u>Barriers and Opportunities to Prevent Food Waste in British Restaurants</u>
Ma, X.	<u>The Carbon Impact of traffic congestion in Edinburgh: Reducing City Congestion Level as an Emission Reduction Strategy.</u>
Margiotta, C.	<u>Agricultural Nitrogen Pollution in Aquatic Systems: The Opportunities and Barriers on Potential Mitigation Techniques in the Ythan Catchment</u>
Marijuan, M.	<u>Solar PV Community Projects in Spain: Problems and Solutions. Lessons Learnt from Scotland.</u>
Norman, P.	<u>Run-of-river hydropower in Scotland: policy, potential and pitfalls from a development perspective</u>
Ren, H.	<u>The Role of the CDM in China's Capacity Building for Addressing Climate Change</u>
Ritchie, H.	<u>Convergency and Contraction: A Global Model for GHG Stabilisation</u>

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Sergeeva, M.	<u>Desalination: Friend or Foe? A Scenario Analysis of the UAE's use of Desalination Technology.</u>
Soanes, M.	<u>Climate change and cooling demand in the megacity of Delhi: Projected impacts and responses in the 21st century</u>
Stamatouros, T.	<u>A Runner's Footprint: The Athens Marathon Carbon Footprint</u>
Sun, L.	<u>"Climate Smart"; Coffee Plan - Adaptation Strategies for Growers and Suppliers (Coffee Companies) with the Case Study of Coffee Sector in Vietnam</u>
Tallon, K.	<u>Motivations and barriers to the adoption of sustainable practices by Scottish hoteliers.</u>
Tang, W.	<u>The Impacts of Chinese Cultural Values on Consumer's Attitude and Intention of Electric Vehicles Purchases.</u>
Thomas, P.	<u>Kenya's Lost Maze: A study of the potential to post-harvest losses of maize during storage in Kenya and associated production-phase greenhouse gas emissions.</u>
Verpoorten, K.	<u>Carbon impacts of transportation in the Tour de France of 2014: do they win the green jersey?</u>
Vipond, L.	<u>Climatic Drivers of Wildfire Activity in a Region of Southern Africa</u>
Yang, M.	<u>Decarbonisation of the "Last-Mile Logistics" Investigating innovative delivery methods and consumer's preference.</u>
Zheng, Y.	<u>Circular Economy Model in Fast Fashion Industry: Moving towards eco-friendly chic.</u>

Year 2014

Feng, S.	<u>The global freshwater carbon sink: how big and can we make it bigger?</u>
Gellan, A.	<u>The Higg Index and the Challenges of Sustainability in the Fashion Industry</u>
Grant, D.	<u>Reducing Edinburgh's transport emissions and pollution through the increase of Lothian Bus Euro VI and hybrid usage.</u>
Gutierrez, A.	<u>A framework for the management of the biodegradable waste in Bogotá-Colombia</u>
Higham, J. JDRH	<u>Past and future effects of Norwegian natural gas on European greenhouse gas emissions</u>

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Kahola, M.	<u>Emissions reduction potential and economic considerations of biogas usage in Finnish public transport. Case study of the city of Tampere.</u>
King, T. H	<u>Evaluating the operational carbon performance of a Passivhaus certified school building program</u>
Lernhart, D.	<u>Greenhouse Gas emission reduction potentials in the UK and Scotland from electrification of the privat transport sector</u>
Li, Z.	<u>Research and assessment on global and Chinese carbon pricing instruments, and carbon pricing modelling for China</u>
Lim, G.	<u>Disaster Risk Financing in Less Developed Countries: the role of microinsurance in building resilience to climate change in the Philippines</u>
Manion, C. F	<u>Fuel Poverty and Climate Change in Scotland</u>
Merlo, F.	<u>Benefits and Challenges of Building a Smart City: A case Study of Chicago and Barcelona</u>
Moras jimenez, M.	<u>The use of Social Media for public engagement in wind energy project in the UK</u>
Papadopoulou kipou, M. MARIALENA	<u>The Life Cycle Emissions from Porcelain and Paper Plates: A comparative Analysis</u>
Pereira, S. A	<u>Quantifying emission savings from the sale of second hand clothing and a comparison of perceptions to second hand clothing between the UK and India</u>
Roussou, A.	<u>Challenges to the implementation of Integrated Water Resources Management in Mauritius</u>
Stenmark, A.	<u>The effect of climate change on hydropower in norway</u>
Wessels, K. P.	<u>A Market for Water? The Trade in Virtual Water during the California Drought.</u>
Zhang, L. MS	<u>Greening China: A Case Study of Pilot Carbon Market in Guangdong Province</u>