**Award: ESRC Centre for Climate Change Economics and Policy**

**Project: Green growth and jobs in advanced economies (CCCEP Phase 2)**

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**Overview of project aims**

This project produced two peer-reviewed publications whose data and computer codes are relevant for archiving. The first paper created a detailed characterisation of green employment in the USA and assessed the potential for green job transitions. The second paper analysed empirically how emissions relate to employment by skill level, investment and economic performance in sectors figuring prominently in the climate-policy debate, namely high- and low-carbon intensity sectors of the OECD and emerging countries. The data used are publically available from online databases as detailed below and in the papers. The computer codes associated with the papers have been archived in ReShare.

**Overview of data**

* Bowen et al (2018) **[1]** uses publically available data from O\*NET v19.0 (released July 2014) available for download at <https://www.onetcenter.org/dataCollection.html>, and employment data from the US Bureau of Labor Statistics (BLS). Section 2 of the paper provides additional details. A Stata do file which processes the data and generates the results has been archived in ReShare.
* Doda (2018) **[2]** uses the socioeconomic and Environmental Accounts of the World-Input Output Database (release 2013). The data are publically available for download at [http://www.wiod.org/release13 /](http://www.wiod.org/release13%20/). See Section 2 of the paper for additional details. Three Stata do files which generate paper’s dataset based on WIOD data as well as the tables and figures Sections 3 and 4 have been archived with ReShare.

**Links to other projects**

This project is related to a broader programme of work at the Grantham Research Institute on Climate Change and the Environment, LSE, on decision-making under uncertainty and its implications for climate/environmental economics, under the *Growth and Innovation Theme*.

**CCCEP publications**

1. Bowen, A., Kuralbayeva, K., & Tipoe, E. L. (2018). Characterising green employment: the impacts of ‘greening’on workforce composition. *Energy Economics*, *72*, 263-275.

DOI: <https://doi.org/10.1016/j.eneco.2018.03.015>

1. Doda, B. (2018). Tales from the tails: Sector-level carbon intensity distribution. *Climate Change Economics,* forthcoming.

DOI: <https://doi.org/10.1142/S2010007818500112>