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# ALEXANDER KOCH

Hui Oi Chow Science Building, University of Hong Kong ◊ Hong Kong, HKSAR  
(+852)6590 9511 ◊ akoch@hku.hk

## EDUCATION

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**University College London, London, UK** *August 2015 - March 2019*  
PhD – Thesis: Earth system impacts of historical and future reforestation

**King’s College London, London, UK** *September 2011 - September 2012*  
Global Environmental Change, MSc

**Philipps University Marburg, Marburg, Germany** *October 2007 - October 2010*  
Physical Geography, BSc

## WORK APPOINTMENTS

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**University of Hong Kong, Department of Earth Sciences, Hong Kong, HKSAR** *August 2019 - Present*  
Postdoctoral Researcher

**University College London & AIR Worldwide, London, UK** *April 2019 - July 2019*  
Postdoctoral Researcher

**Willis Towers Watson, London, UK** *March 2017 - May 2017*  
Model Research and Evaluation (intern)

**University College London, London, UK** *April 2016 - December 2018*  
Teaching assistant – Environmental GIS, Climate Change & Cities, Climate Modelling, 3rd-year field course to Lesvos, Greece

**Centre for Environment, Fisheries and Aquaculture Science, Lowestoft, UK** *January 2013 - June 2015*  
GIS Analyst

**Atmosfair gGmbH, Berlin, Germany** *July 2011 - September 2011*  
Carbon offsetting, Monitoring and Methodology (intern)

**Climate Alliance, Frankfurt (Main), Germany** *February 2011 - April 2011*  
Carbon offsetting (intern)

**Nature & Culture International, Loja, Ecuador** *February 2009 - April 2009*  
Field technician

## PUBLICATIONS

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Hubau, W., Lewis, S. L., . . . , **Koch, A.** et al. (in press). Asynchronous Carbon Sink Saturation in African and Amazonian tropical forests. *Nature*, xxx(xxxx), xx–xx.

Lewis, S. L., Wheeler, C. E., Mitchard, E. T. A., **Koch, A.** (2019). Restoring natural forests is the best way to remove atmospheric carbon. *Nature*, 568(7750), 25–28.

**Koch, A.**, Brierley, C., Maslin, M. M., Lewis, S. L. (2019). Earth system impacts of the European arrival and Great Dying in the Americas after 1492. *Quaternary Science Reviews*, 207, 13–36.

**Koch, A.**, Glover, K., Zambri, B., Thomas, E., Benito, X., Yang, J. (2018). Open-data practices and challenges among early-career paleo-researchers. *Past Global Change Magazine*, 26(2), 54–55.

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In addition, several presentations and publications at various conferences (e.g. American Geophysical Union, European Geophysical Union), workshops, and news outlets (“the Conversation”).

## GRANTS & AWARDS

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**NERC Doctoral Training Partnership PhD stipend** *2015 - 2019*  
Fully funded 4-year PhD position.

**NCAS HPC grant** *2016 - 2017*  
Awarded GBP 2500 worth computing time to be used on UK National High Performance Computing.

**PAGES Young Scientist** *2017*  
Funding award for place at quadrennial meeting on paleo-environmental science.

**PAGES OSM Travel grant** *2017*  
Awarded to present at PAGES Open Science Meeting, Zaragoza, Spain.

**PMIP4 conference travel grant** *2017*  
Awarded to present at PMIP4 conference in Stockholm, Sweden.

**NCAS Climate Modelling Summer School** *2015*

## MEMBERSHIP IN SCIENTIFIC STEERING COMMITTEES

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PAGES Early Career Network *2017 - 2019*

Joint Early Career IPCC AR6 review chapter lead for chapter 5 - *2019*  
Global carbon and other biogeochemical cycles and feedbacks

## SOFTWARE

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<b>Programming languages</b>	R, Python, Unix, Fortran
<b>Software tools</b>	MS Office, Latex, ArcGIS, QGIS, InkScape, SQL

## OTHER ACTIVITIES

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School outreach – Sustainability and climate change, Kennedy School, Hong Kong (2020)  
Co-organisation of “Frontiers in Environmental Change” conference, London, UK (2016)