

# Jarmo Sybren Kikstra

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## EDUCATION

- 2020 – present     PhD candidate in Environmental Science, Imperial College London,  
Centre for Environmental Policy, London, United Kingdom.
- 2018 – 2019        MSc Climate Change, University College London, London, United  
Kingdom, *Distinction*.
- 2015 – 2018        BSc (Hons) Technology, Liberal Arts and Sciences, University of Twente,  
Enschede, Netherlands, *Magna cum Laude*.

## PROFESSIONAL APPOINTMENTS

- 2019 – present    Researcher, IIASA, Energy, Climate, and Environment Program,  
Laxenburg, Austria
- 2020 – present    Contributing Author, Working Group III Contribution to the Sixth  
Assessment Report of the Intergovernmental Panel on Climate Change,  
Chapter 3 & Annex C (2020-present).

## AREAS OF INTEREST

Integrated Assessment Modelling, Energy, Poverty, Climate Change

## PUBLICATIONS

### Journal Articles

- 2020     Lamboll, Robin D., Zebedee R. J. Nicholls, **Jarmo S. Kikstra**, Malte Meinshausen,  
and Joeri Rogelj. 2020. “Silicone v1.0.0: An Open-Source Python Package for  
Inferring Missing Emissions Data for Climate Change Research.” *Geoscientific Model  
Development* 13 (11): 5259–75. <https://doi.org/10.5194/gmd-13-5259-2020>.

### Submitted Manuscripts

- **Kikstra, J.**, A. Vinca, F. Lovat, B. Boza-Kiss, B. van Ruijven, C. Wilson, J. Rogelj,  
B. Zakeri, O. Fricko, and K. Riahi.  
“COVID-19 Impacts on Energy Demand Can Help Reduce Long-Term Mitigation  
Challenge.”, *submitted to Nature Energy*. <https://doi.org/10.21203/rs.3.rs-155224/v1>.
- **Kikstra, Jarmo**, Alessio Mastrucci, Jihoon Min, Keywan Riahi, and Narasimha Rao.  
“Decent Living Gaps and Energy Needs around the World”, *submitted to  
Environmental Research Letters*. <https://doi.org/10.13140/RG.2.2.26909.23528>.

- **Kikstra, Jarmo**, Paul Waidelich, James Rising, Dmitry Yumashev, Chris Hope, and Chris Brierley.  
“The Social Cost of Carbon Dioxide under Climate-Economy Feedbacks and Temperature Variability”, *submitted to Environmental Research Letters*.  
<https://doi.org/10.13140/RG.2.2.34696.55044>.
- Daniel Huppmann, Matthew Gidden, Zebedee Nicholls, Jonas Hörsch, Robin Lamboll, Paul Natsuo Kishimoto, Thorsten Burandt, Oliver Fricko, Edward Byers, **Jarmo Kikstra**, Maarten Brinkerink, Maik Budzinski, Florian Maczek, Sebastian Zwickl-Bernhard, Lara Welder, Erik Francisco Álvarez Quispe, Christopher J. Smith.  
“pyam: Analysis and visualisation of integrated assessment and macro-energy scenarios”, *accepted at Open Research Europe*.

### Other Publications

- 2021 Krey, V., P. Havlik, P. Kishimoto, O. Fricko, J. Zilliacus, M. Gidden, M. Strubegger, **et al.** 2020.  
“MESSAGEix-GLOBIOM Documentation - 2020 Release.” Other. Laxenburg, Austria: IIASA. March 18, 2021. <https://doi.org/10.22022/IACC/03-2021.17115>.
- 2020 Lamboll, Robin D., Zebedee R. J Nicholls, and **Jarmo S. Kikstra**. 2020.  
“Silicone,” Software package. <https://doi.org/10.5281/zenodo.3822259>.

### CONFERENCE ACTIVITY [SELECTED]

- 2020 **Kikstra, J.** Thirteenth Annual Meeting of the Integrated Assessment Modelling Community. Presented "Regional sustainable development implications of ambitious climate mitigation" and "SCCO2, climate-economy feedbacks, and variability", 1-4 December 2020, (virtual).
- 2020 **Kikstra, J.** European Geosciences Union General Assembly. Presented “Climate-economy feedbacks, temperature variability, and the social cost of carbon”, 7 May 2020, (virtual). <https://doi.org/10.5194/egusphere-egu2020-13230>
- 2019 **Kikstra, J.** UCL Education Conference. Convened a workshop on self-directed learning and self-reflection using the PDP-SER cycle.

### OTHER PRESENTATIONS [SELECTED]

- 2021 **Kikstra, J** and Vinca, A. 90<sup>th</sup> IIASA committee meeting at the Austrian Academy of Science.  
Presented “COVID-19, energy demand, and climate mitigation”, 10 June 2021.

### AWARDS AND SCHOLARSHIPS

- 2021 Just Transition for All (JustTrans4All) grant, €400k. Work package leader.
- 2020 – present Science and Solutions for a Changing Planet (SSCP) Doctoral Training Partnership Scholarship, Imperial College London, Centre for Environmental Policy, London, United Kingdom

2018	VSBfonds Scholarship, Netherlands
2018	Hendrik Muller Fonds Scholarship
2015 – 2018	Scholarship Kruis- of Doumaleen
2015 – 2018	Scholarship Meindert Doumaleen

#### **SCIENTIFIC SOFTWARE DEVELOPMENT**

2021	<i>climate-assessment</i> . [private, in development] Python package in development for the IPCC Sixth Assessment Report, which allows for assessing the climate implications of integrated assessment model emissions pathways, using different climate emulators.
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#### **SELECTED PROFESSIONAL AND REVIEW ACTIVITIES**

Journal reviews for *Environmental Research Letters* (1).