

BIOGRAPHICAL SKETCH

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NAME: Budolfson, Mark

eRA COMMONS USER NAME (credential, e.g., agency login): MBUDOLFSON

POSITION TITLE: Associate Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Northern Arizona University, Flagstaff, AZ	B.A.	05/2002	Liberal Studies
Arizona State University, Tempe, AZ	M.A.	05/2004	Philosophy
Princeton University, Princeton, NJ	Ph.D.	04/2012	Philosophy
Stanford University, Stanford, CA	Postdoctoral	08/2014	Public Policy & Ethics
Princeton University, Princeton, NJ	Postdoctoral	08/2016	Public Policy & Ethics

A. Personal Statement

I integrate data and methods from multi-disciplines including population-level bioethics, public health, welfare economics, and empirical sciences. This work often involves quantitative policy analyses that represent socioeconomic and health inequalities, weigh competing values and objectives for society, and assess synergies and tradeoffs between goals related to health, equity, and sustainable development.

- a. **Budolfson, M.**, Dennig, F., Errickson, F., Feindt, S., Ferranna, M., Fleurbaey, M. ...& Zuber, S. (2021). Climate action with revenue recycling has benefits for poverty, inequality, and wellbeing”, *Nature Climate Change* 11: 1111–1116.
- b. Scovronick, N., **Budolfson, M.**, Dennig, F., Errickson, F., Fleurbaey, M., Peng, W., ... & Wagner, F. (2019). The impact of human health co-benefits on evaluations of global climate policy. *Nature Communications*, 10: 2095.
- c. **Budolfson, M.**, Dennig, F., Fleurbaey, M., Scovronick, N., Siebert, A., Spears, D., & Wagner, F. (2019). Optimal climate policy and the future of world economic development. *World Bank Econ Rev*, 33(1): 21–40.
- d. Scovronick, N., Vasquez, V., Errickson, F., Dennig, F., Gasparrini, A., Hajat, S., & **Budolfson, M.** (2019). Human health and the social cost of carbon: a primer and call to action. *Epidemiology*, 30(5): 642–647.

B. Positions, Scientific Appointments and Honors**Employment**

2023- Associate Professor, Geography and the Environment, Philosophy, University of Texas Austin
 2023- Assistant Director, Population Wellbeing Initiative, University of Texas Austin
 2020-2023 Assistant Professor, Environmental Health, Bioethics, Philosophy, Rutgers University
 2021-2021 Faculty Fellow, Perry World House, University of Pennsylvania, Philadelphia, PA, USA
 2019-2020 Fellow, Centre for Moral, Social, and Political Philosophy, Australian National University
 2018-2019 Faculty Fellow in Residence, Edmond J. Safra Center for Ethics, Harvard University
 2018- Fellow, Gund Institute for the Environment, University of Vermont

2016-2020 Assistant Professor, Philosophy, University of Vermont
2014- Associate Member, Climate Futures Initiative, Princeton University

C. Contributions to Science

1. Climate change policy, equity, health, and sustainability: This work introduces methods to improve policy analyses to more adequately account for socioeconomic inequalities, health co-benefits, equity and justice, and other factors important to policy. In addition to the publications listed above in the Personal Statement. Key outputs include:

- a. **Budolfson, M.**, Dennig, F., Errickson, F., Kuruc, K., Spears, D., and Dubash, N. (2021). Utilitarian benchmarks for emissions and pledges promote equity, climate and development. *Nature Climate Change* 11: 827–833.
- b. Scovronick, N., Ferranna, M., Dennig, F., and **Budolfson, M.** (2020). Valuing Health Impacts in Climate Policy: Ethical Issues and Economic Challenges, *Health Affairs* 39(12): 2105-2112.
- c. Scovronick, N., **Budolfson, M.**, Dennig, F., Fleurbaey, M., Siebert, A., Socolow, R. H., ... & Wagner, F. (2017). Impact of population growth and population ethics on climate change mitigation policy. *Proceedings of the National Academy of Sciences*, 114(46): 12338-12343.
- d. Dennig, F., **Budolfson, M.**, Fleurbaey, M., Siebert, A., & Socolow, R. H. (2015). Inequality, climate impacts on the future poor, and carbon prices. *Proceedings of the National Academy of Sciences*, 112(52): 15827-15832.

2. Planetary health, food systems, sustainability, and ethics: This work integrates knowledge from environmental and agricultural science, philosophy, economics, geography, animal welfare science, public health, and other disciplines, and introduces methods to weigh competing values along ethically important dimensions.

- a. **Budolfson, M.**, Fischer, B., Scovronick, N. (2023) Animal welfare: Methods to improve policy and practice, *Science* 381(6653): 32-34.
- b. Barnhill, A., **Budolfson, M.**, Doggett, T. eds. (2018). *Oxford Handbook of Food Ethics*, New York: Oxford University Press.
- c. Barnhill, A., **Budolfson, M.**, Doggett, T. authors and eds. (2016). *Food, Ethics, and Society*, New York: Oxford University Press.
- d. **Budolfson, M.** (2015) Consumer Ethics, Harm Footprints, and the Empirical Dimension of Food Choices, in Chignell, A., Cuneo, T., and Halteman, M. eds. *Philosophy Comes to Dinner*, New York: Routledge, pp. 163-181.

3. Foundations of population-level health and policy analyses: This work analyzes conceptual challenges about how to rank policy options, some of which are illustrated by the question of what we should do about difficult collective action problems such as climate change – in particular, when choices would have an impact on both health and income inequalities and the number of people who exist.

- a. **Budolfson, M.**, McPherson, T., and Plunkett, D. eds. (2021) *Philosophy and Climate Change*. New York: Oxford University Press.
- b. Arrhenius, G., **Budolfson, M.**, & Spears, D. (2021). Does Climate Change Policy Depend Importantly on Population Ethics? Deflationary Responses to the Challenges of Population Ethics for Public Policy, in **Budolfson, M.**, McPherson, T., and Plunkett, D. eds. *Philosophy and Climate Change*. New York: Oxford University Press, pp. 111-136.
- c. **Budolfson, M.** (2018). The Inefficacy Objection to Consequentialism, and the Problem with the Expected Consequences Response, *Philosophical Studies*, 176: 1711-1724.
- d. **Budolfson, M.** (2017). Market Failure, the Tragedy of the Commons, and Default Libertarianism in Contemporary Economics and Policy, in Schmidtz, D. and Pavel, C. eds. *Oxford Handbook of Freedom*, New York: Oxford University Press, pp. 257-282.