Growth, Development, and the Environment for Research Students (EC8510) 2025-26

Reading List. Subject to (minor) Changes.

Topics and Readings

The course will follow approximately the order of topics listed below. **You are not expected to read everything**. My slides will provide a good basis for the course. The references below can be considered more of a reference list to be used throughout your PhD (and beyond). If there is something you do not understand you can look at the papers in more depth. Readings may be added (or subtracted) during the course, and the order of topics may change.

* = readings that I think you should all definitely read

Reading and Writing

Before we get into reading related to "Growth, Development, and Environmental Economics", there are several books I would encourage you to read and reference regularly during your PhD. These are:

- "How to Read a Book: The Classical Guide to Intelligent Reading". Even just the first few chapters will improve how you read and save you time.
- "First You Write a Sentence: The Elements of Reading, Writing... and Life." Clear, precise writing is not optional. This is one of the most useful books on writing I have read — start building the skill now.
- "Academic Writing as if Readers Matter". Writing is a service to your reader, not a performance for peers.
- Anne Lamott, "Shitty First Drafts". Essential reading.

Advice on reading and writing (as well as other aspect of "doing research") that you may find useful can be found here.

Entry to Growth and Development

An excellent non-technical introduction to micro-development is Banerjee and Duflo's *Poor Economics*. Ray's *Development Economics* is a clear undergraduate-level survey of development topics. Jones and Vollrath's *Introduction to Economic Growth* offers an advanced undergraduate-level treatment of growth, while Acemoglu's *Introduction to Modern Economic Growth* and Aghion and Howitt's *The Economics of Growth* are benchmark graduate texts.

While not the focus of this course, practical guidance on designing and running experiments can be found in Glennerster and Takavarasha's *Running Randomized Evaluations*. For perspective on external validity, read Vivalt (2020) "How Much Can We Generalize from Impact Evaluations?" (*Journal of the European Economic Association*) and Muralidharan and Niehaus (2017) "Experimentation at Scale" (*Journal of Economic Perspectives*). For more on the methodological

debate around RCTs, see Banerjee and Duflo (2009) "The Experimental Approach to Development Economics" (*Annual Review of Economics*), Deaton (2010) "Instruments, Randomization, and Learning about Development?" (*JEL*), Rodrik's "The New Development Economics: We Shall Experiment, But How Shall We Learn?", and Deaton and Cartwright (2016) "Understanding and Misunderstanding Randomized Controlled Trials" (*NBER WP 22595*). The (*Journal of Economic Perspectives* symposium "The Agenda for Development Economics" , Vol. 24, No. 3, Summer 2010) is slightly dated but still provides useful context for entering the field.

For a broader view of growth, see Aghion, Akcigit, and Howitt (2014) "What Do We Learn From Schumpeterian Growth Theory?" (*Handbook of Economic Growth*, Jones (2016) "The Facts of Economic Growth" (*Handbook of Macroeconomics*), and Jones (2019) "Paul Romer: Ideas, Nonrivalry, and Endogenous Growth" (*Scandinavian Journal of Economics*).

On bridging micro and macro approaches, Banerjee's paper "Big answers for big questions: the presumption of growth policy" provides insight into how some people in the micro-development community feel about macro-development. Pete Klenow's discussion is a strong defense of macro development – http://klenow.com/Klenow_Discussion_of_Banerjee_Text.pdf. Buera, Kaboski, and Townsend's "From Micro to Macro Development" (*Journal of Economic Literature* 2023) argues for integrating experimental, structural, and macro frameworks so micro evidence informs macro policy and macro models are grounded in real-world constraints.

Recently the STEG group at CEPR produced a series of "Pathfinding Papers" providing overviews of the literature and new directions https://steg.cepr.org/publications/steg-pathfinding-papers.

Working Papers and Journals

Working papers are an integral part of academia in economics. You should all register for the NBER Working Paper series to receive regular updates on new research across growth, development, and related fields.

General-interest journals

Journal of Economic Perspectives
Journal of Economic Literature
Annual Review of Economics
American Economic Review
Quarterly Journal of Economics
Econometrica
Journal of Political Economy
Review of Economic Studies
Science
Nature
PNAS
American Economic Journal: Applied Economics
American Economic Journal: Economic Policy
American Economic Journal: Macroeconomics
Journal of Political Economy: Microeconomics
Review of Economics and Statistics
Economic Journal
Journal of the European Economic Association

Field journals

Journal of Development Economics
Journal of the Association of Environmental and Resource Economics
Journal of Economic Growth
Journal of Environmental Economics and Management
American Journal of Agricultural Economics
Journal of Human Resources
Journal of Public Economics
Journal of Labor Economics
Journal of Urban Economics
Journal of International Economics
Economic Development and Cultural Change
World Bank Economic Review
Annual Review of Resource Economics
Review of Environmental Economics and Policy

Empirical Preliminaries:

Popper, K. (1953), *Science: Conjectures and Refutations.* Lecture given at Peterhouse, Cambridge.
It's good to remind ourselves what science means. Read this.

Holland, P.* (1986), "Statistics and Causal Inference." *Journal of the American Statistical Association*
Everyone even thinking about empirical work should read this paper. And perhaps regularly.

Cunningham, S. (2021), *Causal Inference: The Mixtape*
FREE! a great overview of all things causal inference for economists

Angrist, J. and S. Pischke (2009)*, *Mostly Harmless Econometrics: An Empiricist's Companion*, Princeton University Press, Princeton.
This book is a wonderful, intuitive guide to empirical work. Buy it and read often.

Athey, S. and G. Imbens (2017), "The State of Applied Econometrics: Causality and Policy Evaluation." *Journal of Economic Perspectives.*
A readable synthesis of modern causal tools and practice.

Part 1: Measuring Growth and Development

Concepts and Definitions

*Ghatak, M. (2017) "Measures of Development: Concepts, Causality, and Context", *Mimeo*

Sen, A. (1988) "The Concept of Development" *Handbook of Development Economics*

Growth and Welfare

*Jones, C. (2016) "The Facts of Economic Growth" *Handbook of Macroeconomics*

Jones, C. and Klenow, P. (2016) "Beyond GDP? Welfare across Countries and Time", *American Economic Review*

Adhami, M., Bils, M., Jones, C., and Klenow, P. (2025) "Population and Welfare: Measuring Growth when Lives are Worth Living."

Coyle, D. (2014) *GDP: A Brief but Affectionate History*

Sustainability and the Environment

*Solow, R.M. (1993) "Sustainability: An Economist's Perspective"

*Krutilla, J. (1967) "Conservation Reconsidered", *American Economic Review*

**Banzhaf, S. (2024) *Pricing the Priceless (Historical Perspectives on Modern Economics) Historical Perspectives on Modern Economics A History of Environmental Economics*

Arrow, K., Dasgupta, P., Goulder, L., Mumford, K., & Oleson, K. (2012) "Sustainability and the measurement of wealth" *Environment and Development Economics*

Dasgupta, P. (2009) "The Welfare Economic Theory of Green National Accounts", *Environmental and Resource Economics*

Micro Evidence and Household Surveys

Deaton, A. (1997) *The Analysis of Household Surveys: A Microeconometric Approach to Development Policy*

*Banerjee, A. and Duflo, E. (2006) "The Economic Lives of the Poor", *Journal of Economic Perspectives*

Alternative Data

Henderson, J.V., Storeygard, A., and Weil, D.N. (2012) "Measuring Economic Growth from Outer Space", *Quarterly Journal of Economics*

Donaldson, D. and Storeygard, A. (2016) "The View from Above: Applications of Satellite Data in Economics", *Journal of Economic Perspectives*

Profiles and Perspectives

Jones, C. (2019) "Paul Romer: Ideas, Nonrivalry, and Endogenous Growth", *Scandinavian Journal of Economics*

Barrage, L. (2019) "The Nobel Memorial Prize for William D. Nordhaus", *Scandinavian Journal of Economics*

Besley, T. (2016) "The Contributions of Angus Deaton", *Scandinavian Journal of Economics*

Olken, B. (2020) "Banerjee, Duflo, Kremer, and the Rise of Modern Development Economics", *Scandinavian Journal of Economics*

Part 2: Models of Economic Growth (and How They Fit the Data)

Neoclassical Growth Theory

Aghion, P. and Howitt, P. (2009), *The Economics of Growth*, Chapter 1.

Acemoglu, D. (2007) *Introduction to Modern Economic Growth*, Parts 1, 2, and 3.

Banerjee, A. and Duflo, E. (2004) "Growth Theory through the Lens of Development Economics", *Handbook of Development Economics*

Mankiw, Romer, and Weil (1992) "A Contribution to the Empirics of Economic Growth", *Quarterly Journal of Economics*

Jones, C. (2016) "The Facts of Economic Growth" *Handbook of Macroeconomics*

Poverty Traps

Ghatak, M. (2015) "Theories of Poverty Traps and Anti-Poverty Policies" *World Bank Economic Review*

*Balboni, C. and Bandiera, O. and Burgess, R. and Ghatak, M. and Heil, A. (2021) "Why Do People Stay Poor?", *Quarterly Journal of Economics*

Kraay, A. and McKenzie, D. (2014) "Do Poverty Traps Exist? Assessing the Evidence" *Journal of Economic Perspectives*

Mullainathan, S. and Shafir, E., (2013) *"Scarcity: The Cost of Not Having Enough"*, London: Allen Lane.

Azariadis, C. and Stachurski, J. (2005) "Poverty Traps", *Handbook of Economic Growth*

Banerjee, A. and Hanna, R., and Olken, B., and Sverdlin Lisker, D. (2024) "Social Protection in the Developing World", *Journal of Economic Literature*

Olken, B. and Weiss, A., and Hanna, R. (2025) "Social Protection: Policymaker Beliefs and Empirical Evidence" *Handbook of Development Economics*

Endogenous Growth Theory

*Jones, C. (2021) "The Past and Future of Economic Growth: A Semi-Endogenous Perspective"

*Aghion, P., Akcigit, U., and Howitt, P. (2014) "What Do We Learn From Schumpeterian Growth Theory?" *Handbook of Economic Growth*

Bloom, N., Jones, C., Van Reenen, J., and Webb, M. (2020) "Are Ideas Getting Harder to Find?", *American Economic Review*

Akcigit, U. and Ates, S. (2023) "What Happened to U.S. Business Dynamism?" *Journal of Political Economy*

Jones, C. (2019), "Paul Romer: Ideas, Nonrivalry, and Endogenous Growth" *Scandinavian Journal of Economics*

Jones, C. (2005),"Growth and Ideas" *Handbook of Economic Growth*

Romer, P. (1990), "Endogenous Technological Change", *Journal of Political Economy*

Klette, T. and Kortum, S. (2004), "Innovating Firms and Aggregate Innovation" *Journal of Political Economy*

Garcia-Macia, D., Hsieh, C-T., and Klenow, P. (2019), "How Destructive is Innovation?", *Econometrica*

Perla, J., Tonetti, C. and Waugh, M. (2021), "Equilibrium Technology Diffusion, Trade and Growth", *American Economic Review*

Buera, F. and Oberfield, E. (2020), "The Global Diffusion of Ideas" *Econometrica*

Topic 3: Growth and Development Accounting

Foundations

*Caselli, F. (2005). "Accounting for cross-country income differences." *Handbook of Economic Growth*

*Hsieh, C-T., and Klenow, P. (2010) "Development Accounting" *American Economic Journal: Macroeconomics*

*Klenow, P.J. and A. Rodríguez-Clare (1997) "The Neoclassical Revival in Growth Economics: Has It Gone Too Far?", *NBER Macroeconomics Annual*

Hall, R.E. and C.I. Jones (1999) "Why Do Some Countries Produce So Much More Output per Worker Than Others?", *Quarterly Journal of Economics* **Physical Capital, TFP, and the Marginal Product of Capital**

Gollin, D. (2002) "Getting Income Shares Right", *Journal of Political Economy*

Pritchett, L. (2000) "The Tyranny of Concepts: CUDIE Is *Not* Capital", *Journal of Economics Growth*

Caselli, F. and J. Feyrer (2007) "The Marginal Product of Capital", *Quarterly Journal of Economics*

Caselli, F. and W.J. Coleman (2006) "The World Technology Frontier", *AER*

Human Capital: Quantity, Quality, and Measurement

*Schoellman, T. (2012) "Education Quality and Development Accounting", *Review of Economic Studies*

*Schoellman, T. (2016) "Early Childhood Human Capital and Development", *American Economic Journal: Macroeconomics*

*Weil, D.N. (2007) "Accounting for the Effect of Health on Economic Growth", *Quarterly Journal of Economics*

*Hendricks, L. and Schoellman, T. (2018) "Human Capital and Development Accounting: New Evidence from Wage Gains at Migration", *Quarterly Journal of Economics*

*Jones, B. (2014) "The Human Capital Stock: A Generalized Approach", *American Economic Review*

Caselli, F. and Ciccone, A. (2017) "The Human Capital Stock: A Generalized Approach — Comment", *American Economic Review*

Lagakos, D., Moll, B., Porzio, T., Qian, N. and Schoellman, T. (2018) "Life-Cycle Wage Growth across Countries", *Journal of Political Economy*

Rossi, F. (2022) "The Relative Efficiency of Skilled Labor across Countries: Measurement and Interpretation", *American Economic Review*

Topic 4: Misallocation

Foundations

Jones, C. (2013) "Misallocation, Economic Growth, and Input-Output Economics" in *Advances in Economics and Econometrics*

*Restuccia, D., and Rogerson, R. (2017) "The Causes and Costs of Misallocation," *Journal of Economic Perspectives*

*Hsieh, C.-T., and Klenow, P. (2009) "Misallocation and Manufacturing TFP in China and India," *Quarterly Journal of Economics*

Baqaee, D. and Farhi, E. (2020), "Productivity and Misallocation in General Equilibrium" *Quarterly Journal of Economics*

Misallocation Within and Between Producers

Hsieh, C.-T. and Klenow, P. (2014), "The Life Cycle of Plants in India and Mexico" *Quarterly Journal of Economics*

Bloom, N., Sadun, R., and Van Reenen, J. (2012) "The Organization of Firms Across Countries", *Quarterly Journal of Economics*

Bloom, N., Eifert, B., McKenzie, D., Mahajan, A., and Roberts, J. (2013) "Does Management Matter? Evidence from India," *Quarterly Journal of Economics*

De Mel, S., McKenzie, D., and Woodruff, C. (2008) "Returns to Capital in Microenterprises: Evidence from a Field Experiment" *Quarterly Journal of Economics*

Midrigan, V., and Xu, D. (2014) "Finance and Misallocation: Evidence from Plant-Level Data," *American Economic Review*

Bau, N. and Matray, A. (2023) "Misallocation and Capital Market Integration: Evidence From India", *Econometrica*

Adamopoulous, T. and Restuccia, D. (2014) "The Size Distribution of Farms and International Productivity Differences", *American Economic Review*

Gollin, D. and Udry, C. (2020) "Heterogeneity, Measurement Error, and Misallocation: Evidence from African Agriculture", *Journal of Political Economy*

Maue, C., Burke, M., and Emerick, K. (2020) "Productivity dispersion and persistence among the world's most numerous firms" *Mimeo*

Misallocation Across Sectors

*Gollin, D., Lagakos, D., and Waugh, M. (2014) "The Agricultural Productivity Gap in Developing Countries," *Quarterly Journal of Economics*

Lagakos, D. and Waugh, M. (2013) "Selection, Agriculture, and Cross-Country Productivity Differences," *American Economic Review*

Hamory Hicks, J., Kleemans, M., Li, N., and Miguel, E. (2017) "Reevaluating Agricultural Productivity Gaps with Longitudinal Microdata," *Mimeo*

*Hsieh, C.-T., Hurst, E., Jones, C., and Klenow, P. (2018) "The Allocation of Talent and U.S. Economic Growth," *Mimeo*

*Porzio, T. (2017) "Cross-Country Differences in the Optimal Allocation of Talent and Technology," *Mimeo*

Misallocation Across Space

*Bryan, G., and Morten, M. (2018) "The Aggregate Productivity Effects of Internal Migration: Evidence from Indonesia," *Journal of Political Economy*

Bryan, G., Chowdhury, S., and Mobarak, M. (2014) "Under-Investment in a Profitable Technology: The Case of Seasonal Migration in Bangladesh," *Econometrica*

Lagakos, D., Mobarak, A.M., and Waugh, M.E. (2018) "The Welfare Effects of Encouraging Rural–Urban Migration," *Econometrica*

Young, A. (2013) "Inequality, the Urban-Rural Gap and Migration," *Quarterly Journal of Economics*

Topic 5: Externalities and Industrial Policy

Juhasz, R., and Lane, N. (2024) "The Political Economy of Industrial Policy", *Journal of Economic Perspectives*

Juhasz, R., Lane, N., and Rodrik, D. (2024) "The New Economics of Industrial Policy", *Annual Review of Economics*

Juhasz, R., Lane, N., Oehlsen, and Perez (2024) "Measuring Industrial Policy: A Text-Based Approach", *Working Paper*

Juhasz, R. and Steinwender, C. (2024) "Industrial Policy and the Great Divergence", *Annual Review of Economics*

Juhasz, R. (2018) "Temporary Protection and Technology Adoption: Evidence from the Napoleonic Blockade", *American Economic Review*

Banares-Sanchez, I., Burgess, R., Laszlo, D., Simpson, P., Van Reenen, J., and Wang, Y. (2025) "Ray of Hope? Solar power in China", *Working Paper*

Liu, E. (2019) "Industrial Policies in Production Networks", *Quarterly Journal of Economics*

Sturm, J. (2023) "How to Fix a Coordination Failure: A "Super-Pigouvian" Approach", *Working Paper*

Barwick, Kalouptsidi, and Zahur (2025) "Industrial Policy Implementation: Empirical Evidence from China's Shipbuilding Industry", *Review of Economic Studies*

Criscuolo, M., Martin, R., Overman, H., and Van Reenen, J. (2019) "Some Causal Effects of an Industrial Policy", *American Economic Review*

Kline, R., and Moretti, E. (2014) "Local Economic Development, Agglomeration Economies, and the Big Push: 100 Years of Evidence from the Tennessee Valley Authority", *Quarterly Journal of Economics*

Lane, N. (2025) "Manufacturing Revolutions: Industrial Policy and Industrial- ization in South Korea", *Quarterly Journal of Economics*

Acemoglu, D., Aghion, P., Bursztyn, L., and Hemous, D. (2012) "The Environment and Directed Technical Change", *American Economic Review*

Topic 6: Environment and Development

Foundations

Greenstone, M., and Jack, K. "Envirodevonomics: A Research Agenda for an Emerging Field," Journal of Economic Literature.

Jayachandran, S. (2023) "How Economic Development Influences the Environment," Annual Review of Economics.

Hassler, J., Krusell, P., and Smith, A. (2016) "Environmental Macroeconomics", *Handbook of Macroeconomics*

Hsiang, S., Oliva, P., and Walker, R. (2017) "The Distribution of Environmental Damages", *Review of Environmental Economics and Policy*

Shapiro, J. and Balboni, C. (2025) "Spatial Environmental Economics", *Handbook of Regional and Urban Economics*

Air Pollution

*Aguilar Gomez et al. "This is Air: The 'Non-Health' Effects of Air Pollution", *Annual Review of Resource Economics*

Aldeco, L., Barrage, L. and Turner, M. (2025) "Equilibrium Particulate Exposure", *Working Paper*

*Almond, D. and Currie, J. (2011) "Killing Me Softly: The Fetal Origins Hypothesis", *Journal of Economic Perspectives*

*Almond, D., Currie, J. and Duque, V. (2018) "Childhood Circumstances and Adult Outcomes: Act II" *Journal of Economic Literature*

Barwick, P., Li, S., Lin, L., and Zou, E. (2024) "From Fog to Smog: the Value of Pollution Information", *American Economic Review*

Currie, J., and Walker, R. (2011) "Traffic Congestion and Infant Health: Evidence from E-Z Pass," *American Economic Journal: Applied Economics*

*Currie, J. and Vogl, T. (2012) "Early-Life Health and Adult Circumstance in Developing Countries", *Annual Review of Economics*

Colmer, J., Lin, D., Liu, S., and Shimshack, J. (2021) "Why are Pollution Damages Lower in Developed Countries? Insights from High-Income, High-Particulate Matter Hong Kong", *Journal of Health Economics*

Colmer, J. and Voorheis, J. (forthcoming) "The Intergenerational Effects of Early-Life Pollution Exposure", *Journal of Political Economy: Microeconomics*

Deryugina, T., Heutel, G., Miller, N., Molitor, D., and Reif, J. (2019) "The Mortality And Medical Costs Of Air Pollution: Evidence From Changes In Wind Direction", *American Economic Review*

Deryugina, T. and Reif, J. (2025) "The Long-run Effect of Air Pollution on Survival" *Working Paper*

Ebenstein, A., Fan, M., Greenstone, M., He, G., and Zhou, M., (2016) "New Evidence on the Impact of Sustained Exposure to Air Pollution on Life Expectancy from China's Huai River Policy", *Proceedings of the National Academy of Sciences*

Ebenstein, A., V. Lavy, and S. Roth (2014), "The Long-Run Economic Consequences of High-Stakes Examinations: Evidence from Transitory Variation in Pollution," *American Economic Journal: Applied Economics*

Graff Zivin, J., and Neidell, M. (2012) "The Impact of Pollution on Worker Productivity," *American Economic Review*

*Graff Zivin, J. and Neidell, M. (2013) "Environment, Health, and Human Capital", *Journal of Economic Literature*

Herrnstadt, E., Heyes, A., Muehlegger, E., and Saberian, S. (2021) "Air Pollution and Criminal Activity: Microgeographic Evidence from Chicago" *American Economic Journal: Applied Economics*

Isen, A., Rossin-Slater, M., and Walker, R. (2017) "Every Breath You Take — Every Dollar You'll Make: The Long-Term Consequences of the Clean Air Act of 1970," *Journal of Political Economy*

Ito, K. and Zhang, S. (2020) "Willingness to Pay for Clean Air: Evidence from Air Purifier Markets in China" *Journal of Political Economy*

Oliva, P. and Hanna, R. (2015) "The Effect of Pollution on Labor Supply: Evidence from a Natural Experiment in Mexico City" *Journal of Public Economics*

Environmental Policy and Regulation

Currie, J. and Walker, R. (2021) "What Do Economists Have to Say About the Clean Air Act 50 Years After the Establishment of the Environmental Protection Agency", *Journal of Economic Perspectives*

Davis, L. (2008) "The Effect of Driving Restrictions on Air Quality in Mexico City", *Journal of Political Economy*

Duflo, E., Greenstone, M., Pandi, R., and Ryan, N. (2013) "Truth-telling by Third-Party Auditors and the Response of Polluting Firms: Experimental Evidence from India", *Quarterly Journal of Economics*

Greenstone, M., and Hanna, R. (2014) "Environmental Regulations, Air and Water Pollution, and Infant Mortality in India", *American Economic Review*

Greenstone, M., Pande, R., Sudarshan, A., and Ryan, N. (2022) "Can Pollution Markets Work in Developing Countries? Experimental Evidence from India", *Quarterly Journal of Economics*

Jack, K., Jayachandran, S., Kala, N., and Pande, R., (2023) "Money (Not) to Burn: Payments for Ecosystem Services to Reduce Crop Residue Burning", *American Economic Review: Insights*

Kitzmueller, M. and Shimshack, J. (2012) "Economic Perspectives on Corporate Social Responsibility", *Journal of Economic Literature*

Shapiro, J. (2022) "Pollution Trends and US Environmental Policy: Lessons from the Last Half Century", *Review of Environmental Economics and Policy*

Shimshack, J. (2014) "The Economics of Environmental Monitoring and Enforcement", *Annual Review of Resource Economics*

Climate Change: Mitigation

Jayachandran, S. and Glennerster, R. (2023) "Think Globally, Act Globally: Opportunities to Mitigate Greenhouse Gas Emissions in Low- and Middle-Income Countries" *Journal of Economic Perspectives*

Hsiao, A. (2025) "Coordination and Commitment in International Climate Action: Evidence from Palm Oil", *Econometrica*

Harstad, B. (2024) "On International Cooperation", *Working Paper*

Harstad, B. (2024) "The Politics of Global Public Goods", *Working Paper*

Farrokhi, F. and Lashkaripour, A. (2025) "Can Trade Policy Mitigate Climate Change?", *Econometrica*

Colmer, J., Muuls, M., Martin, R., and Wagner, U. (2025) "Does Pricing Carbon Mitigate Climate Change? Firm-Level Evidence from the European Union Emissions Trading Scheme", *Review of Economic Studies*

Calel, R., Colmer, J., Dechezlepretre, A., and Glachant, M. (2025) "Do Carbon Offsets Offset Carbon?" *American Economic Journal: Applied Economics*

Jayachandran, S., de Laat, J., Lambin, E., Stanton, C., Audy, R., and Thomas, N. (2017) "Cash for carbon: A randomized trial of payments for ecosystem services to reduce deforestation", *Science*

Chen, Q., Ryan, N., and Xu, D. (2025) "Firm Selection and Growth in Carbon Offset Markets: Evidence from the Clean Development Mechanism", *Working Paper*

Clausing, K., Colmer, J., Hsiao, A., and Wolfram, C. (2025) "The Global Effects of Carbon Border Adjustment Mechanisms", *Working Paper*

Climate Change: Impacts and Adaptation

Bilal, A. and Stock, J. (2025) "A Guide to Macroeconomics and Climate Change", *Working Paper*

Carleton, T., Duflo, E., Jack, K., and Zappala, G. (2024) "Adaptation to Climate Change", *Working Paper*

Patel. D. (2023) "Environmental Beliefs and Adaptation to Climate Change" *Working Paper*

Hsiao, A. (2025) "Sea Level Rise and Urban Adaptation in Jakarta", *Working Paper*

Balboni, C. (2025) "In Harm's Way? Infrastructure Investments and the Persistence of Coastal Cities", *American Economic Review*

Balboni, C., Boehm, J., and Waseem, M. (2023) "Firm Adaptation in Production Networks: Evidence from Extreme Weather Events in Pakistan", *Working Paper*

Colmer, J. (2021) "Temperature, Labor Reallocation, and Industrial Production: Evidence from India", *American Economic Journal: Applied Economics*

Climate Impact Lab (2025) "Estimating the Global Impact of Climate Change on Staple Crops Accounting for Adaptation" *Nature*

Climate Impact Lab (2025) "The Social Cost of Global Energy Consumption due to Climate Change", *Nature*

Climate Impact Lab (2025) "Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits", *Quarterly Journal of Economics*

Climate Impact Lab (2025) "Is Workplace Temperature a Valuable Job Amenity? Implications for Climate Change", *Working Paper* "How Much Will Global Warming Cool Global Growth?"

Hsiang, S. (2016) "Climate Econometrics", *Annual Review of Resource Economics*

Hsiang, S. and Kopp, R. (2018) "An Economist's Guide to Climate Change Science", *Journal of Economic Perspectives*

Dell, M., Jones, B., and Olken, B. (2014) "What Do We Learn from the Weather? The New Climate-Economy Literature", *Journal of Economic Literature*

Bilal, A. and Kanzig, D. (2025) "Does Unilateral Decarbonization Pay For Itself?" *Quarterly Journal of Economics*

Nordhaus, W., (1977) "Economic Growth and Climate: The Carbon Dioxide Problem", *American Economic Review*

Golosov, M. Hassler, J., Krussel, P., and Tsyvinski, A. (2014) "Optimal Taxes on Fossil Fuel in General Equilibrium", *Econometrica*

Resources and Conservation

Balboni, C., Berman, A., Burgess, R., and Olken, B. (2023) "The Economics of Tropical Deforestation", *Annual Review of Economics*

Balboni, C., Burgess, R., and Olken, B. (2023) "The Origins and Control of Forest Fires in the Tropics", *Mimeo*

Blakeslee, D. and Fishman, R. (2020) "Way Down in the Hole: Adaptation to Long-Term Water Loss in Rural India" *American Economic Review*

Burgess, R., Hansen, M., Olken, B., Potapov, P., Sieber, S. (2012) "The Political Economy of Deforestation in the Tropics", *Quarterly Journal of Economics* Burgess, R., Costa, F., and Olken, B. (2023) "National Borders and the Conservation of Nature", *Mimeo*

Assuncao, J., Lipscomb, M., Mobarak, A.M., Szerman, D. (2022) "Agricultural Productivity and Deforestation in Brazil", *Mimeo*

Sekhri, S. (2014) "Wells, Water and Welfare: Impact of Access to Groundwater on Rural Poverty and Conflict", *American Economic Journal: Applied Economics*

Sekhri, S. (2011) "Public Provision and Protection of Natural Resources: Groundwater Irrigation in Rural India" *American Economic Journal: Applied Economics*

Topic 7: Energy and Development

Alloctt, H., Collard-Wexler, H., and O'Connel, S. (2014), "How Do Electricity Shortages Affect Industry? Evidence from India", *American Economic Review*

Burgess, R., Greenstone, M., Ryan, N. and Sudarshan, A. (2020) "Demand for Electricity on the Global Electrification Frontier" *Mimeo*

Burgess, R., Greenstone, M., Ryan, N. and Sudarshan, A. (2019) "The Consequences of Treating Electricity as a Right", *Journal of Economic Perspectives*

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