

Reading list 5 October

Acemoglu, Daron (2023) “Distorted Innovation” AER Distinguished Lecture
<https://economics.mit.edu/sites/default/files/2023-01/Distorted%20Innovation%20-%20Does%20the%20Market%20Get%20the%20Direction%20of%20Technology%20Right.pdf>

(*) Acemoglu, D., Aghion, P., Bursztyn, L., and Hemous, D. (2012) “The Environment and Directed Technical Change” *American Economic Review*, 102 (1):131–166.

Acemoglu, Daron, Ufuk Akcigit, Douglas Hanley and William Kerr (2016) “Transition to Clean Technology,” *Journal of Political Economy*, 124(1): 52-104.

Aghion, Philippe, Antoine Dechezleprêtre, David Hemous, Ralf Martin and John Van Reenen (2016) “Carbon Taxes, Path Dependency and Directed Technical Change: Evidence from the Auto Industry” *Journal of Political Economy*, 124(1) 1-51

Bloom Nicholas, John Van Reenen and Mark Schankerman (2013) “Technology Spillovers and Product Market rivalry”, *Econometrica* 81 (4) 1347–1393

Bloom, Nicholas, John Van Reenen and Heidi Williams (2019), “A Toolkit of Policies to promote Innovation” *Journal of Economic Perspectives* 33(3) 163–184

Burgess Robin et al, (2023) “Ray of Hope” LSE mimeo

Bushnell, J., & Novan, K. (2021). Setting with the Sun: The Impacts of Renewable Energy on Conventional Generation. *Journal of the Association of Environmental and Resource Economists*, 8(4), 759–796.

Cullen, J. (2013). Measuring the environmental benefits of wind-generated electricity. *American Economic Journal: Economic Policy*, 5(4), 107–133.

(*) Dechezlepretre, Antoine and David Hemous (2023) “Directed Technical Change and Environmental Economics” in Akcigit, Ufuk and John Van Reenen (2023) *The Economics of Creative Destruction*, Cambridge: Harvard University Press.

De Groot, Olivier and Frank Verboven (2019) “Subsidies and Time Discounting in New Technology Adoption” *American Economic Review*, 109, 6, 2137-2172

(*) Gonzales, L., K. Ito, and M. Reguant (2023). “The Investment Effects of Market Integration: Evidence from Renewable Energy Expansion in Chile”, accepted, *Econometrica*.

Gowrisankaran, G., Reynolds, S. S., & Samano, M. (2016). Intermittency and the value of renewable energy. *Journal of Political Economy*, 124(4), 1187–1234.

Jones, Ben and Austan Goolsbee (2022) *Innovation and Public Policy* Chicago: University of Chicago Press <https://press.uchicago.edu/ucp/books/book/chicago/I/bo138500594.html>

Kellogg, R., & Reguant, M. (2022). Energy and Environmental Markets, Industrial Organization, and Regulation, *Handbook of Industrial Organization*.

Liski, M., & Vehviläinen, I. (2020). Gone with the Wind? An Empirical Analysis of the Equilibrium Impact of Renewable Energy. *Journal of the Association of Environmental and Resource Economists*, 7(5), 873–900. <https://doi.org/10.1086/709648>

(*) Novan, K. (2015). Valuing the Wind: Renewable Energy Policies and Air Pollution Avoided. *American Economic Journal: Economic Policy*, 7(3), 291–326.
<https://doi.org/10.1257/pol.20130268>

Petersen, C., Reguant, M. & Segura, L. (2023) “Measuring the Impact of Wind Power and Intermittency”, revise and resubmit at *Energy Economics*.

Popp D. (2002). “Induced Innovation and Energy Prices” *The American Economic Review*, 92(1):160–180.

Popp, D. (2019) “Environmental policy and innovation: a decade of research” CESifo Working Paper No. 7544 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3352908
Reguant, M. (2019). The Efficiency and Sectoral Distributional Impacts of Large-Scale Renewable Energy Policies. *Journal of the Association of Environmental and Resource Economists*, 6(S1), S129–S168.

Way, Rupert, Matthew Ives, Penny Mealy and J. Doyne Farmer (2021) “Empirically grounded technology forecasts and the energy transition” INET Oxford Working Paper No. 2021-01

(*) *indicate important reading material*