

PROPOSAL: "CARBON TAXES IN AN INTERNATIONAL SETTING".

Samuel Kortum, James Burrows Moffatt Professor of Economics, Department of Economics (samuel.kortum@yale.edu)

In the Paris Agreement of 2015, countries committed themselves to adopt climate policies. The research here is about how best to tax carbon in one or more countries, anticipating that other countries are likely to follow different strategies. Such issues are typically addressed with complex Computable General Equilibrium models. The approach here will rely on a simpler model that sacrifices some realism in order to maintain a high level of transparency. The project consists of calibrating this model to data on extraction of fossil fuels, consumption of embodied carbon, and trade between countries. We will use the calibrated model to simulate economic outcomes under various configurations of carbon taxes. The work is joint with Professor David Weisbach at the University of Chicago Law School.

I am looking for a student with a strong background in econometrics and mathematics, and experience using STATA and MATLAB.