
Thriving future cropscales: stakeholder-informed models for agrifood transition

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Abstract

Climate change will alter the yields and resultant cultivation geographies of many major crops. Evaluating how climate interacts with human activity to shape cultivation possibilities for farmers is vital to understanding the impacts of climate change on agricultural systems. This talk will describe a new multi-institution project integrating predictive modeling, expert insights, and farmer feedback to distill *possible* future cultivation geographies in the three U.S. states. Our team is working iteratively with experts to quantify the impacts of biophysical, technological, and political-economic shifts on cultivation geographies in each region over the next 30-40 years. Within this suite of co-produced *possible* futures, we will articulate futures deemed *desirable* by diverse stakeholders and identify leverage points to move agricultural systems in each region towards these futures.

Keywords: US, agriculture, data science, modeling

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