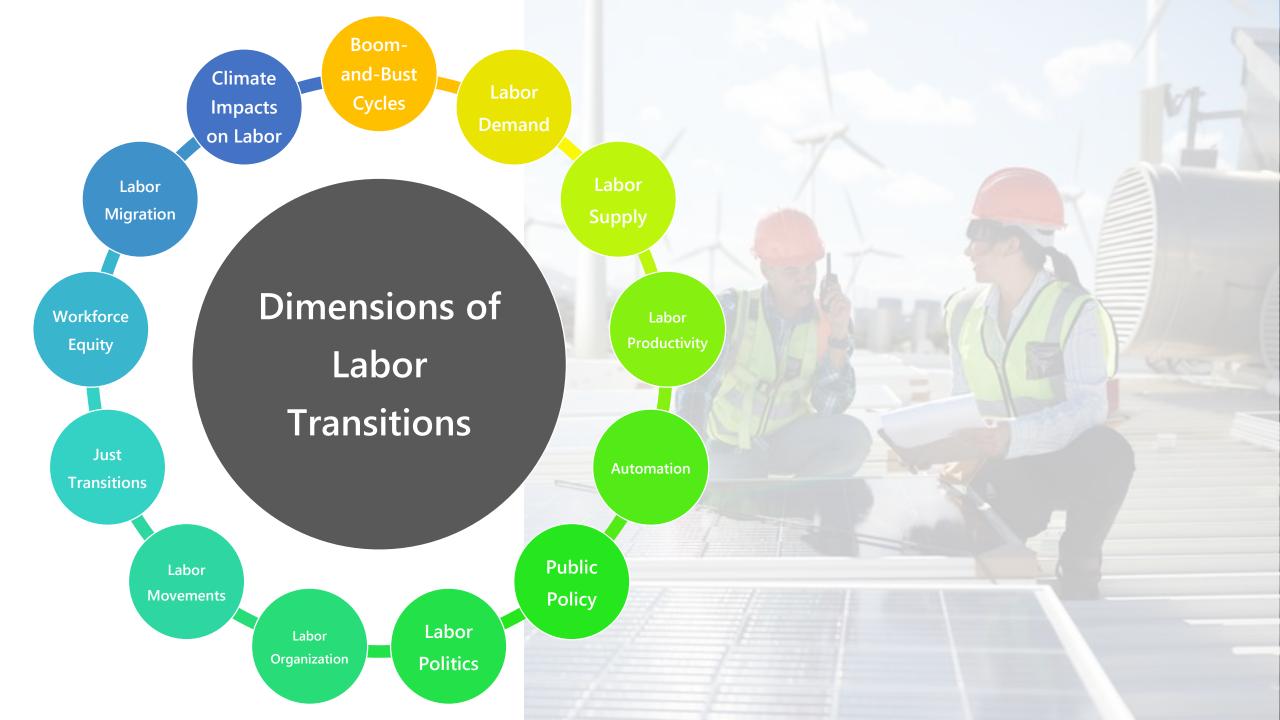
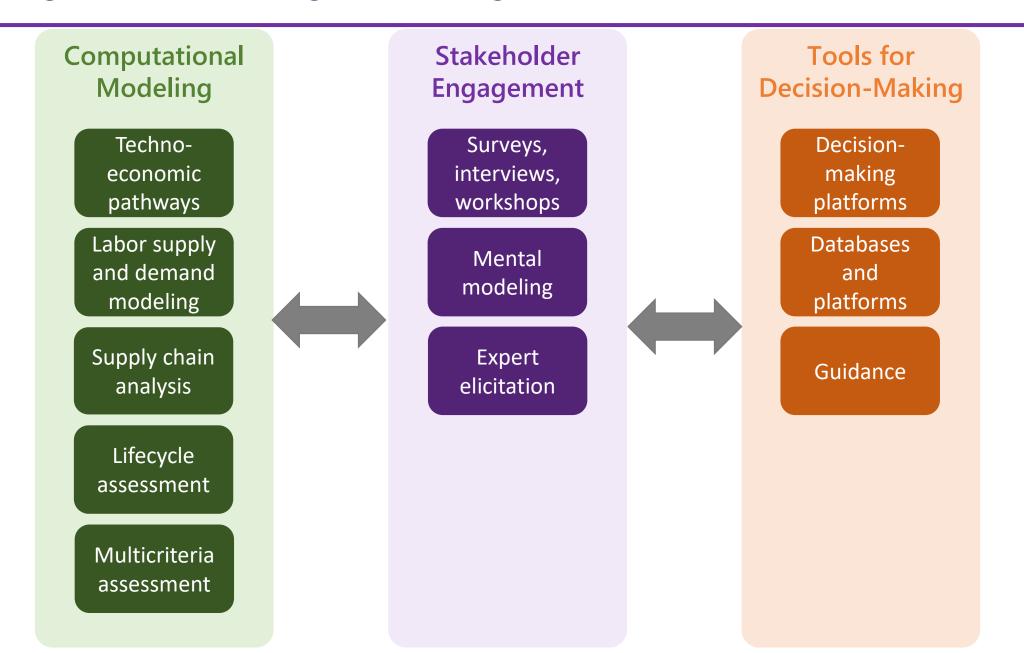
Panel: Social Science Research Needs for Understanding and Planning for Labor Impacts of a U.S. Low-Carbon Energy Transition

Professor Erin Mayfield NASEM Workshop 26 February 2024





Convergent research designs that integrate social sciences and STEM



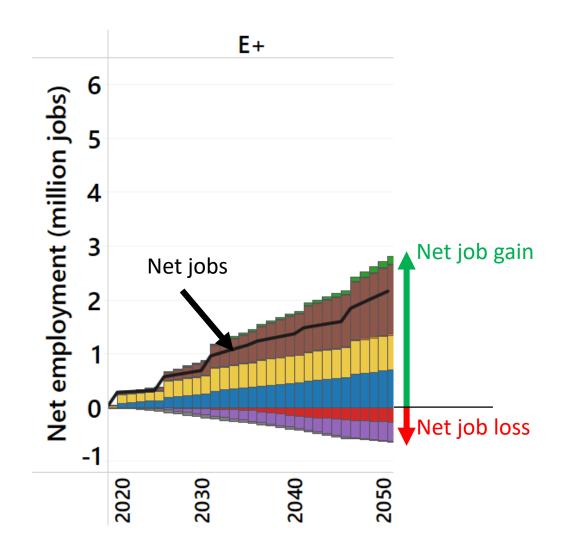
Accessible and transparent data on infrastructure investments and labor



Labor supply and demand modeling for short- and long-term planning

Resource sector

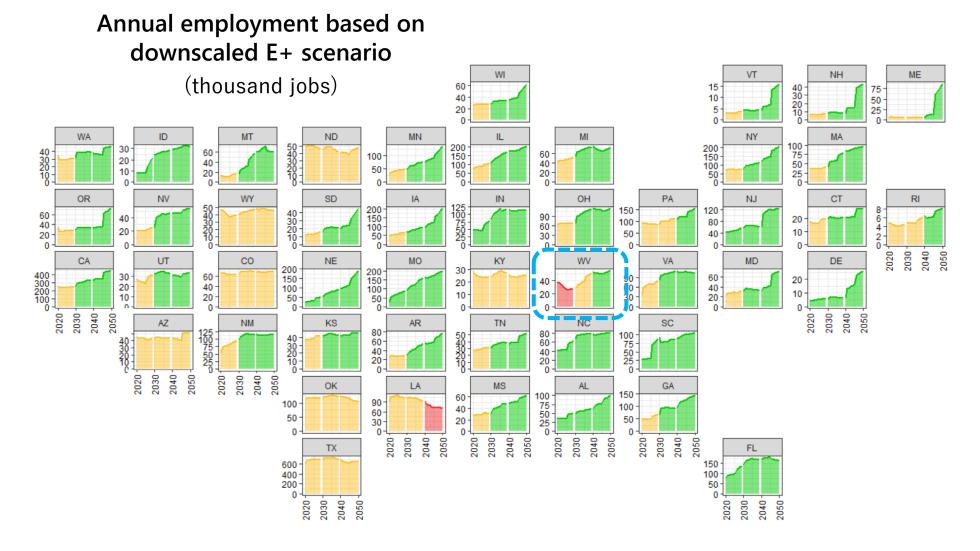
- Biomass
- CO2
- Coal
- Grid
- Natural Gas
- Nuclear
- Oil
- Solar
- Wind



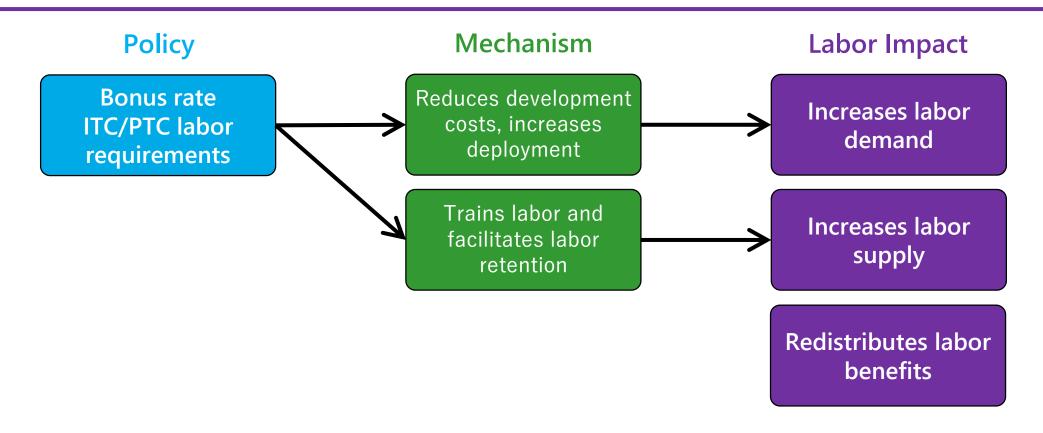
Primary factors influencing labor demand:

- Domestic manufacturing growth
- Renewable power & transmission deployment
- Infrastructure siting constraints
- Labor productivity and automation
- Oil and gas exports
- Political and policy processes and constraints

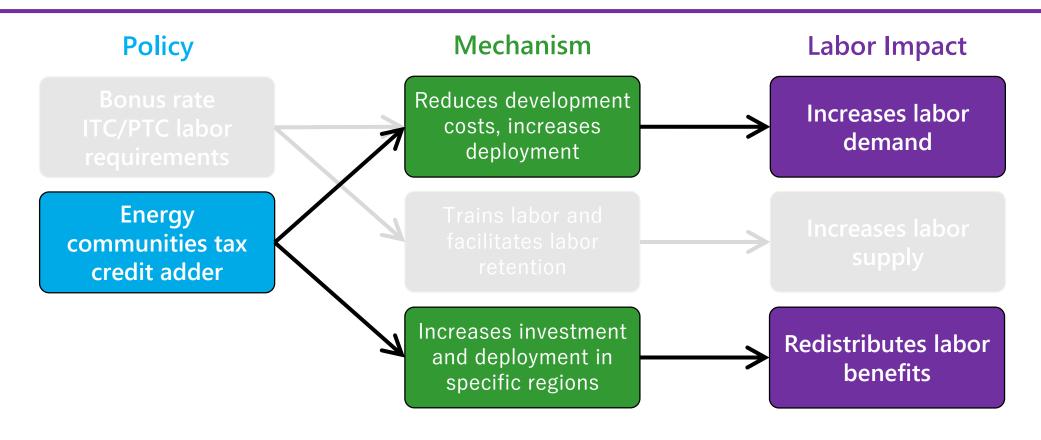
Geographic, temporal, skill, and job quality complementarities in labor supply and demand



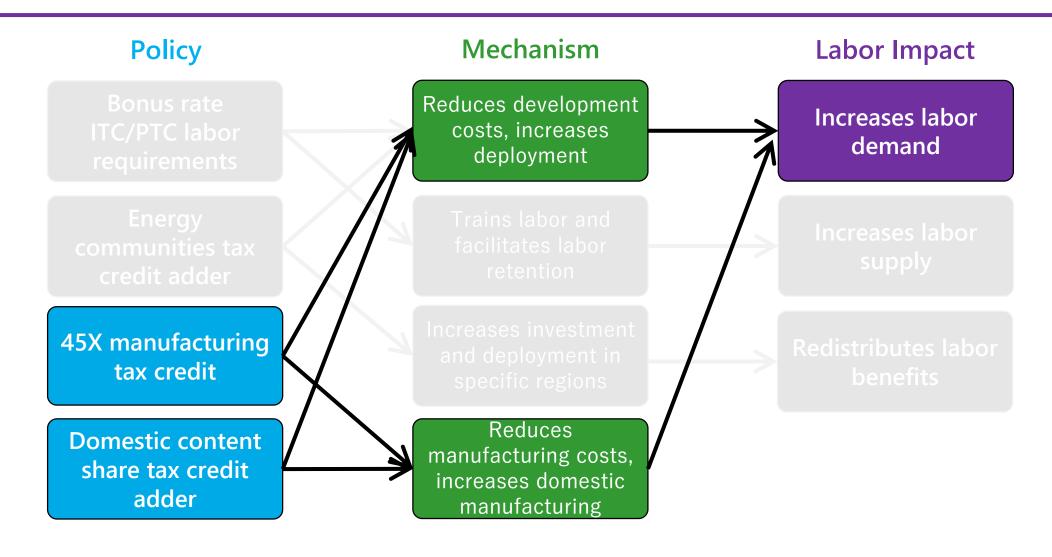
Evaluating the labor implications of alternative public policy designs

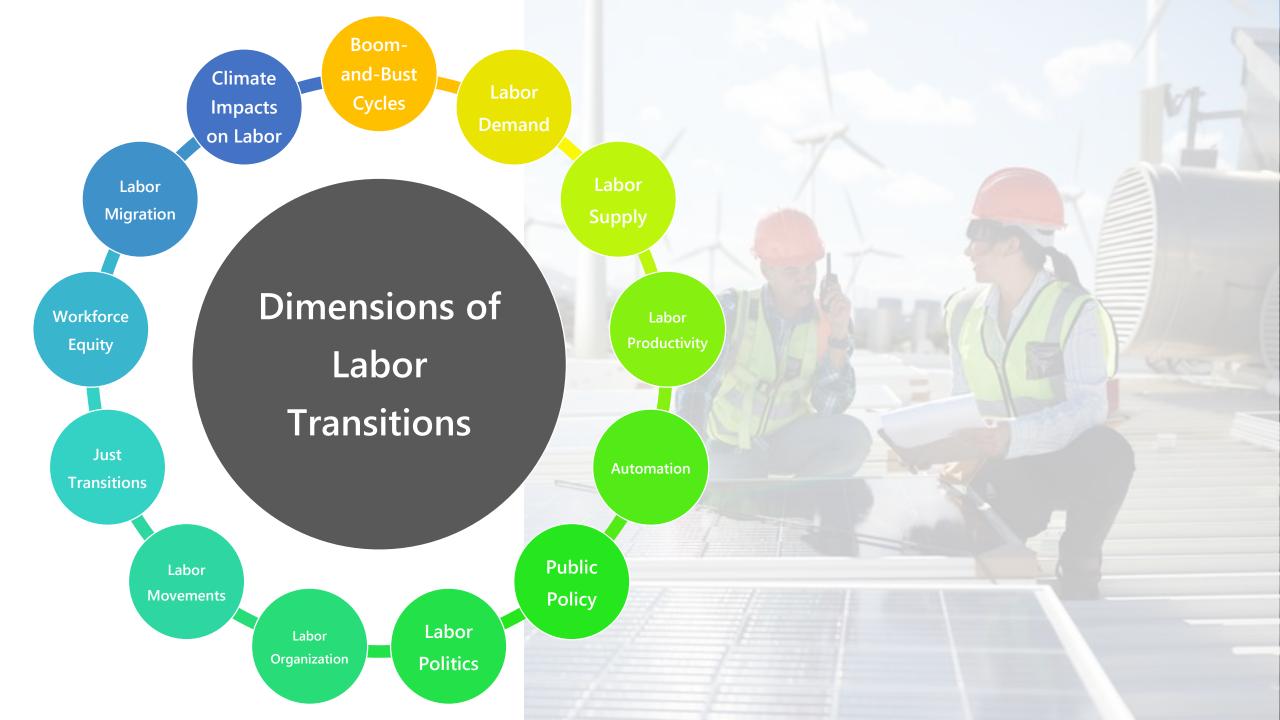


Evaluating the labor implications of alternative public policy designs



Evaluating the labor implications of alternative public policy designs





Thank you.

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