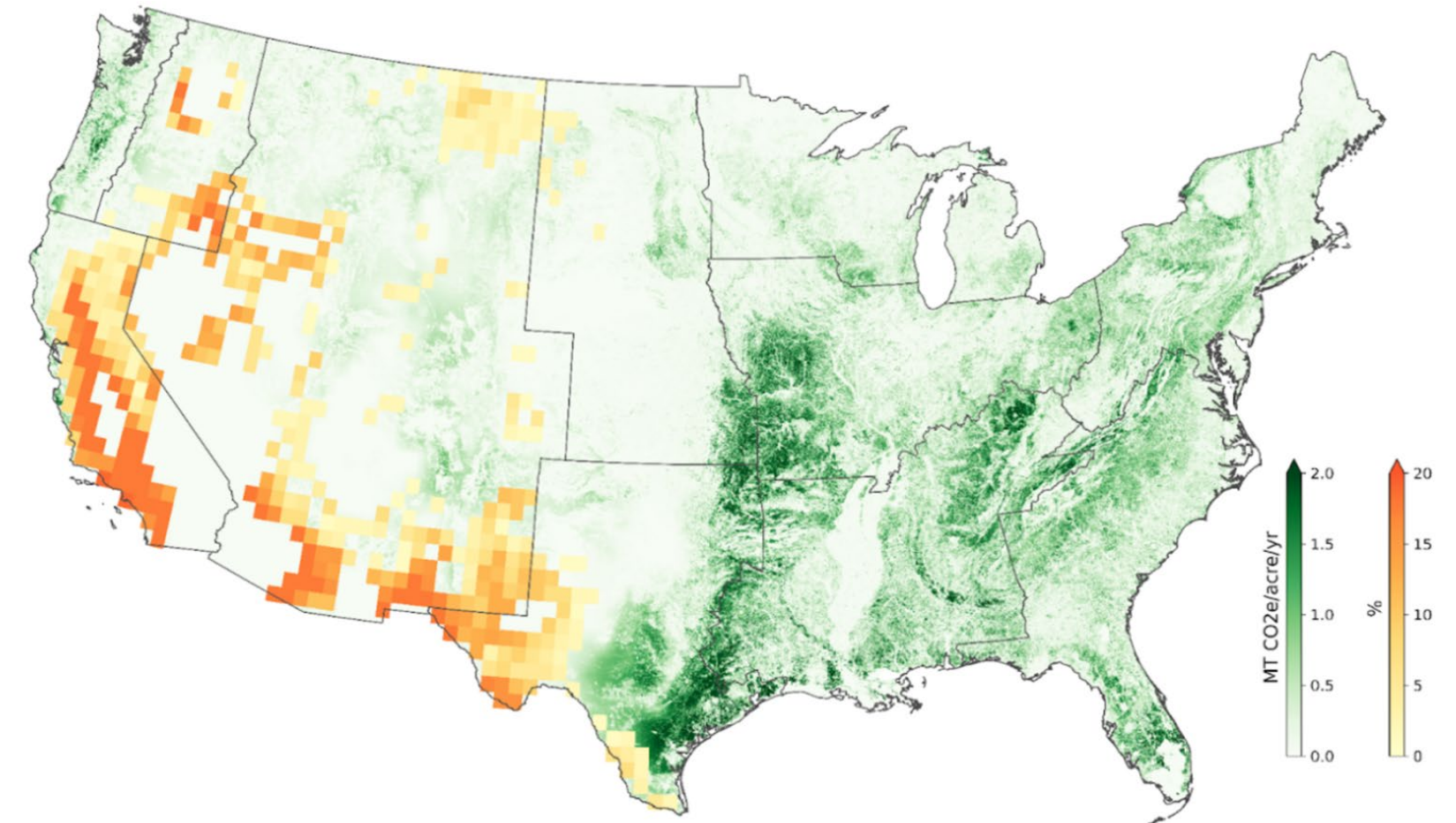


AN ALL-OF-SOCIETY APPROACH TO REDUCE LAND USE EMISSIONS IN THE U.S.

- An all-of-society approach—integrating policies from national and local governments, socioeconomic considerations, and all sectors of the economy—can extend emissions reductions and carbon sequestration further and faster.
- Enhanced policy ambition and climate-smart implementation in the United States can achieve a **70% reduction in greenhouse gas emissions from the land use sector by 2035**, contributing to a 50-52% emissions reduction target by 2030 from 2005 levels.
- Expanded policy investment into key forestry and agriculture policies at the federal and state levels can secure a robust carbon sink—contributing to **net carbon sequestration potential of 253 MtCO₂e in 2035** compared to a “no action” scenario.
- Key policies including wildfire mitigation, climate-smart commodities, and forest/agriculture conservation programs.
- The Ecosystem Demography (ED) model demonstrates the potential impact of new growth policies in the enhanced ambition pathway can have at a spatial level (top right figure).
- Areas with high potential carbon sequestration (green) and locations of high risk of loss from fire (red) offer policymakers a glimpse at how **climate-smart land use policies can maximize sequestration efforts.**
- **Download:** americaisallin.com/harnessing-the-land-sector
- **Acknowledgments:** NASA-CMS (80NSSC21K1059)

We are only scratching the surface: Forestry growth potential with enhanced ambition, climate-smart implementation, and sustainable land management



Modeling: NASA Carbon Monitoring System

% of emissions reductions from key policies under two scenarios: implementing existing climate policies and with enhanced climate ambition at the national- and state-level.

