



Economic Research Service

Program of Work Addressing Global Climate Change

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The Economic Research Service (ERS) conducts research to estimate the market effects of climate change and adaptation in the agricultural sector and to assess economic, environmental and land use implications of alternative climate and energy policies and regimes. This work includes major research projects that address:

- Economic and environmental implications of increased competition for land associated with climate and energy policies
- Economic and environmental implications of design options for greenhouse gas (GHG) markets
- Economic impacts of energy price increases arising from climate policies
- Economic implications of policy options for addressing climate-related increases in risk
- Market effects of climate change and adaptation in the agricultural sector

This year the Economic Research Service also conducted a program, titled "Economics of Markets for Agricultural Greenhouse Gases (EMAGG)," to fund extramural research through a competitive, peer-reviewed process. ERS has recently announced the Federal funding awards under the EMAGG program to seven institutions to conduct research on the economics of agriculture's role in reducing greenhouse gases.

ERS maintains an online "briefing room" on global climate change containing information about ERS research on agriculture's role in mitigating greenhouse gas emissions. The "briefing room" contains background information on potential impacts of climate change on agriculture worldwide and on related topics that include bioenergy, farm production practices, and the role of policy. <http://www.ers.usda.gov/Briefing/globalclimate/>

Recent Economic Research Service reports addressing climate change include:

- *The Role of Agriculture in Reducing Greenhouse Gas Emissions* <http://www.ers.usda.gov/Publications/eb15/>
- *"No Till" Farming Is a Growing Practice* http://www.ers.usda.gov/Publications/EIB70/EIB70_ReportSummary.html
- *Agricultural Land Tenure and Carbon Offsets* <http://www.ers.usda.gov/publications/eb14/>
- *The Use of Markets To Increase Private Investment in Environmental Stewardship* http://www.ers.usda.gov/Publications/ERR64/ERR64_ReportSummary.pdf