

## Peer Review Plan

Preliminary Title: Analytical Agriculture Sector Projection Models: Documentation

Type of Report  
(ERR, EIB, EB,  
TB, SOR,) ERR

Agency: Economic Research Service [X] Influential Scientific Information  
USDA [ ] Highly Influential Scientific Assessment

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Subject of Review: The Economic Research Service (ERS) maintains models of the agriculture sector of major exporting and importing countries and regions that facilitate the development of the annual international agricultural outlook projections—the Agricultural Baseline—developed by the U.S. Department of Agriculture (USDA). These models produce medium- to long-term projections of supply, consumption and trade based on behavioral responses to world market prices, trade and domestic policies, and domestic commodity prices. The models are also used for research on contemporary global or country-specific agriculture-related issues such as measuring the market impacts of changes in international trade policies. The models are used in two distinct modes—linked or standalone. When linked, 44 country/region models are solved simultaneously in the Country-Commodity Linked System (CCLS) across 24 commodity markets to obtain equilibrium world market prices and balanced trade for each commodity. In standalone mode, projections for a single country or region are derived assuming world market prices are given. This publication is aimed at increasing knowledge and understanding of these models, including their economic structure, associated underlying assumptions, and data needs. An illustrative example is presented for the impact of increasing crop yields in one region of the world on domestic and world markets.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review: [ ] Panel Review [X] Individual Reviewers  
[ ] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 11/08/17 Completed: 4/17/18 Withdrawn: XX/XX/XX

Number of Reviewers: [ ] 3 or fewer [x] 4 to 10 [ ] More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [ ] Designated Outside Organization  
Organization's Name:

Opportunities for Public Comment? [ ] Yes [X] No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? [ ] Yes [X] No

Public Nominations Requested for Review Panel? [ ] Yes [X] No