

International Model for Policy Analysis of Agricultural Commodities and Trade—Standard IFPRI Multimarket Model (IMPACT-SIMM)

Project Title: P656 - 1.1.2 Improved Quantitative Strategic Foresight Modeling Tools and Applications

Description of the innovation: This is a new, country-level, more flexible version of the IMPACT3 model, which allows users to compare the potential effects of changes in biophysical systems, socioeconomic trends, technologies, and policies at the level of individual countries or groups of countries.

New Innovation: Yes

Stage of innovation: Stage 1: discovery/proof of concept (PC - end of research phase)

Innovation type: Social Science

Geographic Scope: Global

Number of individual improved lines/varieties: <Not Applicable>

Description of Stage reached: The documentation of IMPACT-SIMM was published in a 2021 Discussion Paper.

Name of lead organization/entity to take innovation to this stage: IFPRI - International Food Policy Research Institute

Names of top five contributing organizations/entities to this stage:

- BMGF - Bill & Melinda Gates Foundation
- USAID - U.S. Agency for International Development

Milestones:

- Foresight models and results are used by 8 (cumulative total) research organizations, government agencies or global development organizations as inputs to their priority-setting

Sub-IDs:

- 33 - Improved forecasting of impacts of climate change and targeted technology development

Contributing Centers/PPA partners:

- IFPRI - International Food Policy Research Institute

Evidence link:

- <https://ebrary.ifpri.org/digital/collection/p15738coll2/id/134930>

Deliverables associated:

- D33730 - International model for policy analysis of agricultural commodities and trade-standard IFPRI multimarket model (IMPACT-SIMM)

(<https://ebrary.ifpri.org/digital/collection/p15738coll2/id/134930>)

- D30901 - IMPACT-SIMM modelling for three focus countries: Report on current work, basic outputs, and planned improvements (**Marked as Confidential**)

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security
- PIM - Policies, Institutions, and Markets