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*for a world without hunger*

**HOW**  
**TO FEED THE WORLD**  
**2050**

E X P E R T  
M E E T I N G

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## Proceedings of the Expert Meeting on How to Feed the World in 2050

**Disclaimer**

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Technical papers were commissioned from experts and are published as submitted by the authors.

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Abbreviations used in the [expert papers](#) on How to Feed the World in 2050

<b>\$</b>	US dollars
<b>AoA</b>	Agreement on Agriculture (World Trade Organization)
<b>ACS</b>	agricultural capital stock
<b>ACP</b>	African, Caribbean and Pacific Group of States
<b>AKST</b>	agricultural knowledge, science and technology
<b>ASARECA</b>	Association for Strengthening Agriculture in Eastern and Central Africa
<b>AY</b>	attainable yield
<b>CAADP</b>	Comprehensive Africa Agriculture Development Programme
<b>CBOT</b>	Chicago Board of Trade
<b>CDD</b>	community-driven development
<b>CFF</b>	compensatory financing facility
<b>CGE</b>	computable general equilibrium
<b>CGIAR</b>	Consultative Group on International Agricultural Research
<b>DEA</b>	data envelopment analysis
<b>ENVISAGE</b>	Environmental Impact and Sustainability Applied General Equilibrium Model
<b>EU</b>	European Union
<b>FAO</b>	Food and Agriculture Organization
<b>FAOSTAT</b>	FAO statistical database
<b>FAPRI</b>	Food and Agriculture Policy Research Institute
<b>FBS</b>	food balance sheets
<b>FDI</b>	foreign direct investment
<b>FIFF</b>	food import financing facility
<b>FTE</b>	full-time equivalent
<b>FY</b>	farm yield
<b>GAEZ</b>	global agro-ecological zone
<b>GATT</b>	General Agreement on Tariffs and Trade
<b>GCM</b>	general circulation model
<b>GDP</b>	gross domestic product
<b>GHG</b>	greenhouse gas
<b>GIDD</b>	Global Income Distribution Dynamics [model]
<b>GIEWS</b>	FAO Global Information and Early Warning System
<b>GM</b>	genetically modified
<b>GMC</b>	global middle class
<b>GMO</b>	genetically modified organism
<b>GSE</b>	gross subsidy equivalent
<b>GTAP</b>	Global Trade Analysis Project
<b>IAM</b>	integrated assessment model
<b>ICOR</b>	Incremental Capital Output Ratio
<b>ICP</b>	International Comparison Project
<b>ICT</b>	information and communication technologies
<b>IFAD</b>	International Fund for Agricultural Development
<b>IFPRI</b>	International Food Policy Research Institute
<b>IMF</b>	International Monetary Fund
<b>IMPACT</b>	International Model for Policy Analysis of Agricultural Commodities and Trade
<b>IP</b>	intellectual property
<b>IPCC</b>	Inter-governmental Panel on Climate Change
<b>IRRI</b>	International Rice Research Institute
<b>IT</b>	information technology
<b>LAC</b>	Latin America and the Caribbean
<b>LDCs</b>	least developed countries
<b>LIFDCs</b>	low income food deficit countries
<b>MARS</b>	marker-assisted recurrent selection
<b>MAS</b>	marker-assisted selection
<b>MDERs</b>	minimum dietary energy requirements
<b>MDG</b>	Millennium Development Goals
<b>MIC</b>	middle income countries
<b>MPS</b>	market price support
<b>MV</b>	modern varieties
<b>NGO</b>	non-governmental organization
<b>NRA</b>	nominal rate of assistance
<b>ODA</b>	official development assistance
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OFID</b>	OPEC Fund for International Development
<b>OPEC</b>	Organization of Petroleum-Exporting Countries
<b>PIM</b>	perpetual inventory method
<b>PPP</b>	purchasing power parity
<b>PSE</b>	producer subsidy equivalent
<b>PY</b>	potential yield
<b>PYw</b>	water-limited potential yield
<b>R&amp;D</b>	research and development
<b>SAP</b>	standard accounting procedure
<b>SPS</b>	Sanitary and Phytosanitary Agreement (World Trade Organization)
<b>TBT</b>	Technical Barriers to Trade
<b>TFP</b>	total factor productivity
<b>TV</b>	traditional varieties
<b>UN</b>	United Nations
<b>UNCTAD</b>	United Nations Conference on Trade & Development
<b>WDI</b>	World Development Indicators
<b>WDR</b>	World Development Report
<b>WFS</b>	World Food Summit
<b>WTO</b>	World Trade Organization