



INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE

Opportunities for collaboration with IFPRI

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Research Fellow and Leader of Central Asia Program

Training Course on Applied Econometric Analysis

June 4-15, 2018, WIUT, Tashkent, Uzbekistan

IFPRI Overview

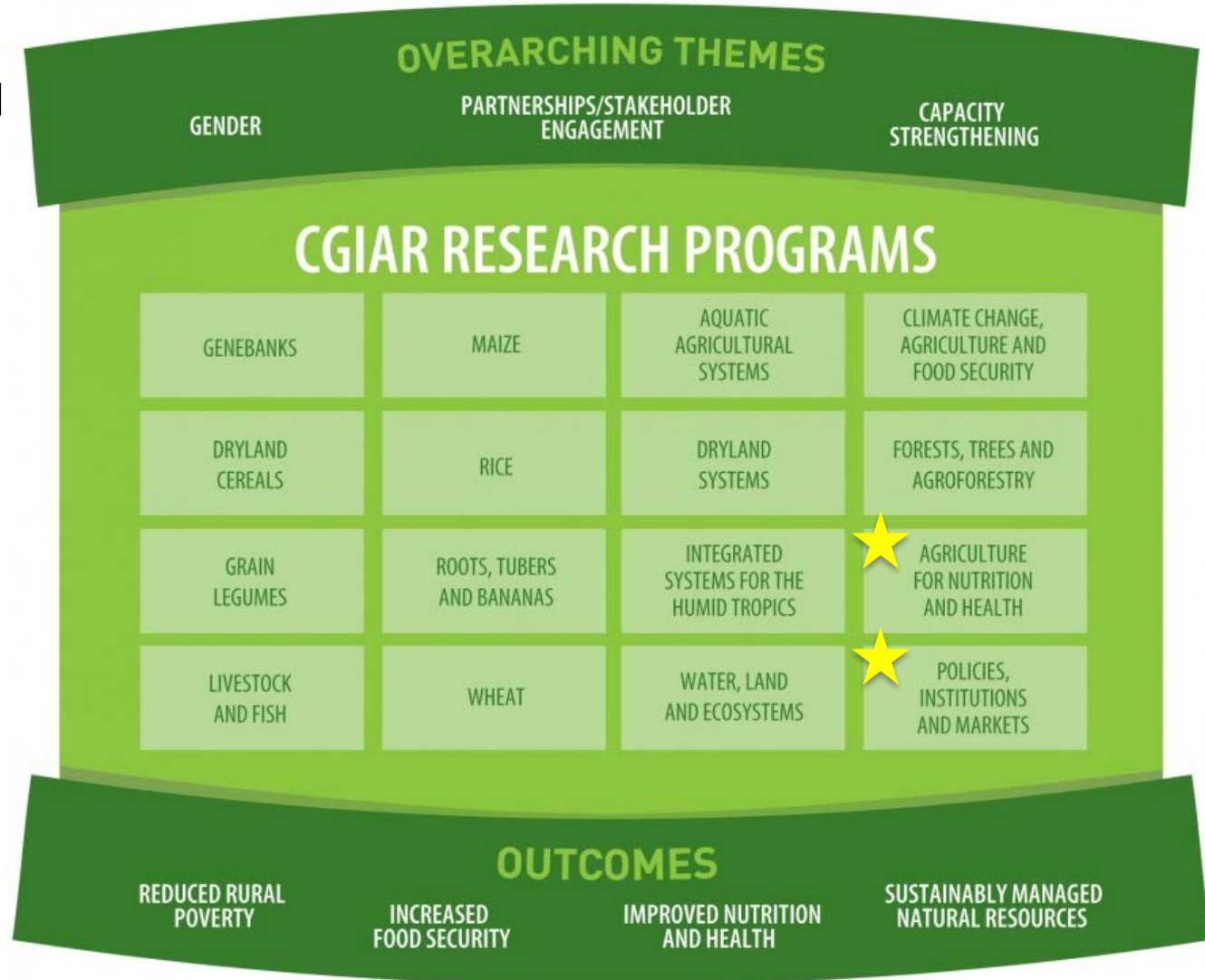
IFPRI is one of 15 international research centers supported by CGIAR



IFPRI Overview (cont'd)

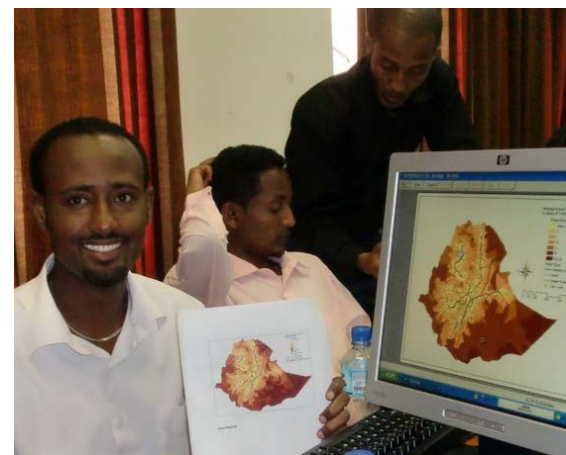
IFPRI leads two CGIAR research programs

1. Policies, Institutions and Markets
2. Agriculture for Improved Nutrition and Health

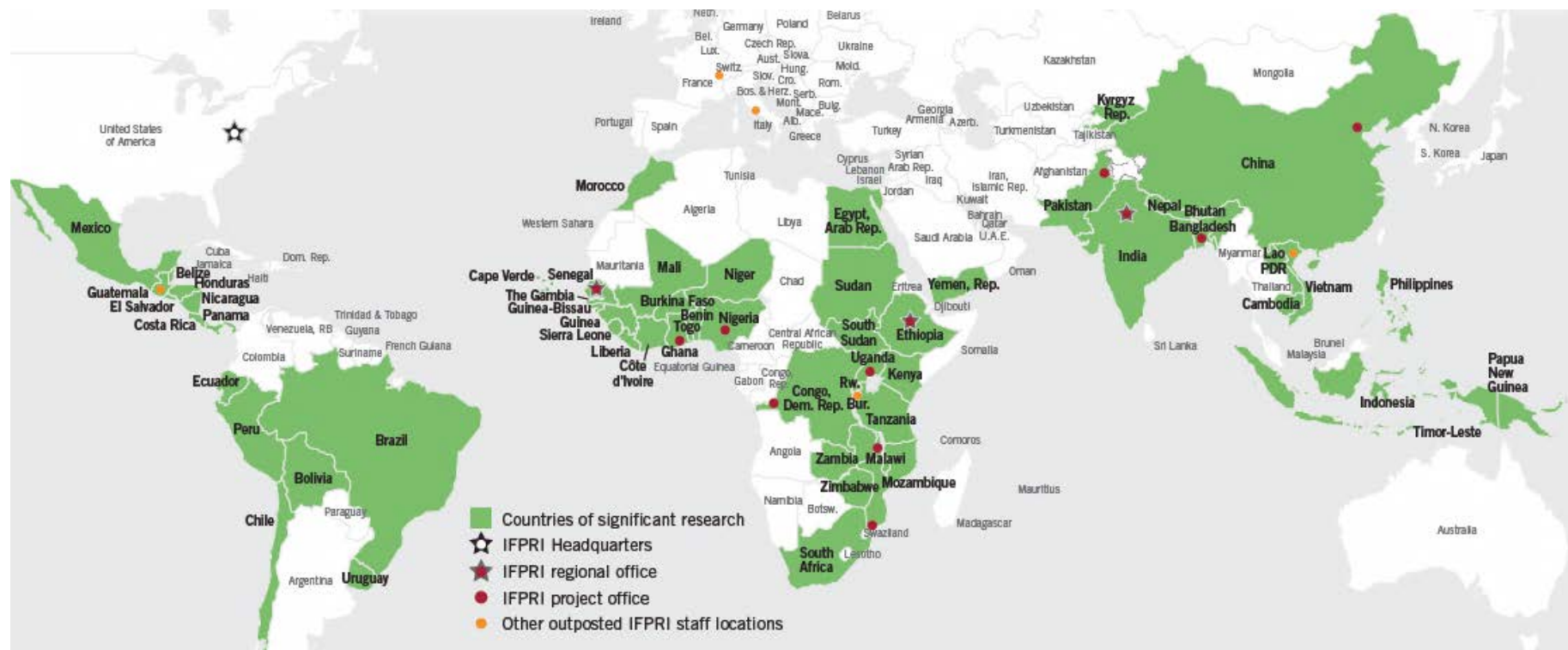


IFPRI Overview (cont'd)

- **IFPRI provides high quality policy research**
 - Ranked among top 10 institutions in agricultural (2nd), computational (6th) and development (7th) economics in RePEc/IDEAS rankings
- **IFPRI's research has broad impact**
 - Shaping public investment priorities (India, CAADP, Ethiopia)
 - Moving nutrition up the global agenda (2020 policy dialogue)
 - Food security monitoring, analysis and planning (2007-08 food crisis, China)
 - Supporting sound trade and market policies (Ethiopia, Benin, Pakistan)



IFPRI Research on the Ground



IFPRI support country-led development processes



- Improved access to information
- Cross-country mutual learning
- Capacity building
- Policy dialogue

Note: * CSSPs = Country Strategy Support Programs

What is IFPRI's experience in the region?

(Examples)

Past research activities allowed to build a strong network in the region

- Research on institutional change and rural services in Kyrgyzstan funded by BMZ
 - Collaborators: Humboldt University Berlin, National Academy of Sciences of the Kyrgyz Republic and National Agency on Self-Governance of the Kyrgyz Republic
- Analytical support to USAID's Feed the Future program in Tajikistan
 - Collaborators: Tajikistan Academy of Agricultural Sciences and Institute of Agricultural Economics
- Regional Strategic and Analytical Knowledge Support System in Asia (ReSAKSS Asia) involves Central Asian policy-makers and researchers
 - Collaborators: CACAARI, University of Central Asia (Kyrgyzstan), Institute of Agricultural Economics (Tajikistan), independent consultants from Kyrgyzstan and Tajikistan
 - Representatives from Kazakhstan and Uzbekistan also participate in conferences and workshops

Regional Strategic Analysis and Knowledge Support System in Asia (ReSAKSS-Asia)



An initiative based on a multi-country regional network for informing food and nutrition security strategies in Asia.

The work of the ReSAKSS-Asia is organized around three main objectives:


1. **Strategic Analysis:** provide analytical tools and policy analysis to impact food and nutrition outcomes,
2. **Knowledge management** –develop and monitor common indicators at the continental, sub-regional and national level to enable much better strategic analysis,
3. **Capacity strengthening and policy communication** –work with individual countries and regional organizations to:
 - ☐ Exchange skills, and practical experiences to build capacity for food and nutrition security research
 - ☐ Tailor research to local needs and build bridges between research and policy making
 - ☐ Communicate key trends, research findings, and emerging challenges to policy makers.

 **The Status of Food Security in Bangladesh: Results from the 2010 Household Income and Expenditure Survey**
Technical report | 2013 | International Food Policy Research Institute (IFPRI)
This report presents results of analyses of the current food security situation in Bangladesh.

 **Food Security and Development: Proceedings of the 2001 Asian Development Bank (ADB) Regional Conference**
Proceedings | 2001 | Asian Development Bank (ADB)
This paper is to be delivered at the 2001 Asian Development Bank (ADB) Regional Conference on Food Security and Development, to be held at the Asian Development Bank (ADB) Headquarters in Manila, Philippines.

 **Sustainable Agriculture and Food Security in Asia: Report 2009**
Report | 2009 | United Nations World Food Programme (WFP)
The impact of food insecurity on the Asia-Pacific region is a major concern. Sustainable Agriculture and Food Security in Asia: Report 2009 provides a comprehensive overview of the current situation and offers recommendations for improving food security and nutrition in the region.


 **Cambodia Food Security and Agriculture Policy Roundtable Proceedings**
Proceedings | 2011 | Cambodia Development Resource Institute (CDRI)
The proceeding summarises conclusions of a stocktaking exercise conducted by the International Food Policy Research Institute (IFPRI) and the Cambodia Development Resource Institute (CDRI).

 **Effects of Global Economic Crisis on Food Security in Asia**
Presentation | 2011 | The International Food Policy Research Institute (IFPRI)

 **MORE PUBLICATIONS**

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Featured Events

 **The Food Security Compact**
16 January 2013
A workshop on "The Food Security Compact" is organized by the International Food Policy Research Institute (IFPRI) and the Cambodia Development Resource Institute (CDRI).

 **Productivity, Growth and Poverty Reduction in Rural Pakistan**
13 December 2012 | Islamabad, Pakistan

The Pakistan Strategy Support Program (PSSP), a country-led and country-wide policy analysis and capacity strengthening program implemented by IFPRI, partner Innovative Development Strategies (IDS), and the Pakistan Development Economics Institute (PDEI).

UPCOMING EVENTS

 **Asymmetric Potato Farming**
16 May 2013 | 12:00pm EST
IFPRI will continue with its AMD 12:00pm EST. Dilip Mookherjee will discuss the impact of asymmetric potato farming on farm-gate prices, and the role of the government in the potato sector.

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SORT BY

RELEVANCE

DATE ADDED

TOPIC

- ☐ Agriculture (2)
- ☐ Education (2)
- ☐ Health (2)
- ☐ Infrastructure (2)
- ☐ Climate Change/Environment (1)
- ☐ Credit (1)
- ☐ Investment (1)
- ☐ Price (1)
- ☐ Social Protection (1)
- ☐ Trade/Market (1)

TYPE

- ☐ Raw Datasets (27)
- ☐ Tools (3)

REGION

- ☐ South Asia (18)
- ☐ South East Asia (5)
- ☐ East Asia (3)

Found 30 results

Search Results

 **A 2012 Raw Data Set**
Raw Data Set | Social Sciences

 **ReSAS-Asia Tool**
Tool | Through the use of this tool, you can monitor the overall performance of the ReSAS-Asia stakeholder network.

 **ASTI Raw Data Set**
Raw Data Set | Country

 **ASTI Raw Data Set**
Raw Data Set | Country

 **ASTI Raw Data Set**
Raw Data Set | Country

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Discussion paper

Presentation

Working paper

Brief

Report

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ABOUT PUBLICATIONS

The publication section is a collection of research articles, working papers, policy documents, journal articles, donor reports and other publications related to Asian food security and nutrition. Readers can search and download ReSAKSS-Asia publications produced by International Food Policy Research Institute (IFPRI). Links to publications from various ReSAKSS-Asia stakeholders and

Featured Publications



The quiet revolution in staple food value chains

Book | 2012 | Asian Development Bank (ADB)

Feeding nine billion people by 2050 is a top priority on the global agenda for development. This task is especially formidable in Asia, where more than two billion people live. Food prices in Asia are projected to remain high and production is likely to be challenged by the combined effects of resource degradation and climate change.



Public agricultural R&D in South Asia
Report | 2012 | International Food Policy Research Institute (IFPRI)

This report analyzes input indicators of public agricultural R&D for five South Asian countries: Bangladesh, India, Nepal, Pakistan, and Sri Lanka.



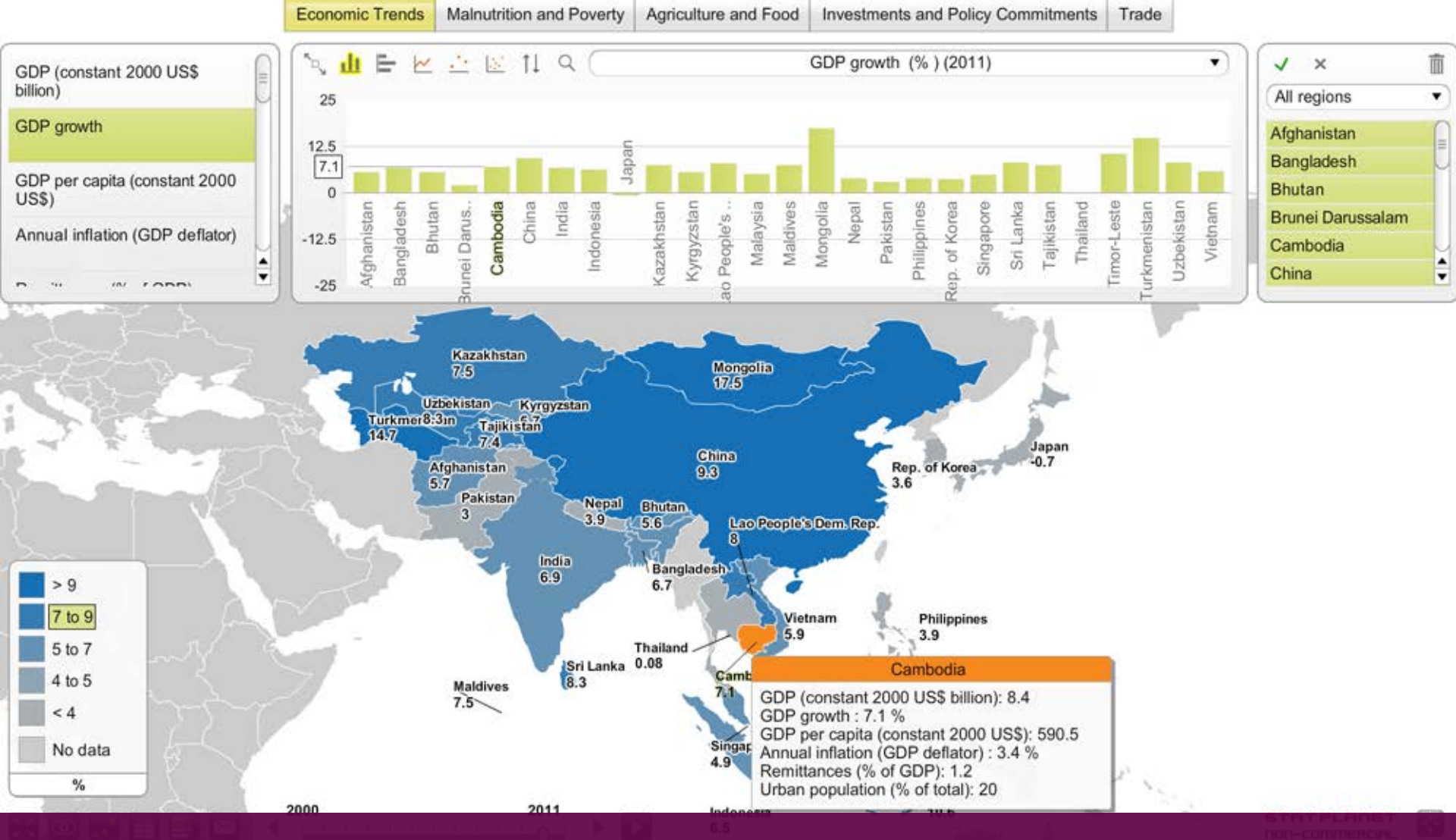
Cambodia Food Security and Agricultural Policy Roundtable Proceedings
Proceedings | 2011 | Cambodia Development Resource Institute (CDRI)

The proceeding summarises conclusions of a stocktaking exercise conducted by the International Food Policy Research Institute (IFPRI) and the Cambodia Development Resource Institute (CDRI), and re

Search for Publications

SEARCH

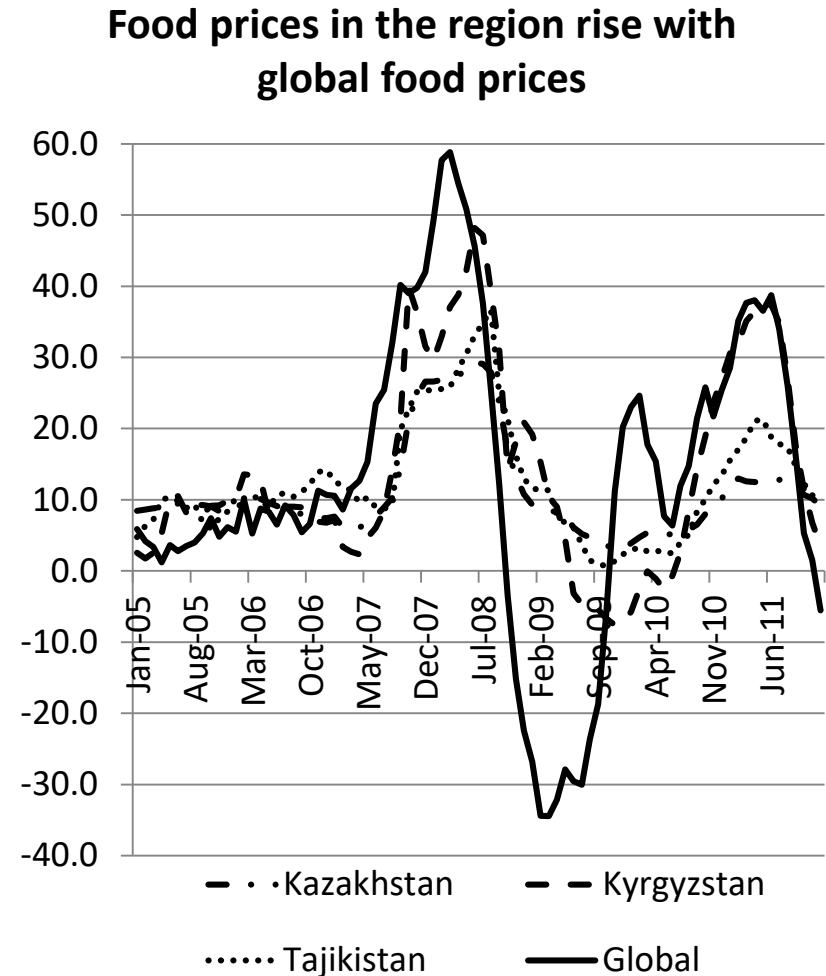
- Key research products and policy analysis on agricultural growth, poverty reduction, and food and nutrition security in the region;
- Data from national governments and regional and international organizations, as well as data collected by IFPRI and network partners;



- An interactive map tool that allows users to track and monitor Asian countries' performances over time, and provide open-source and ready-to-use maps and graphs, and raw datasets on economic and welfare indicators, rural incomes and employment, and food and nutrition security

Global food (2007-08) and financial crisis (2008-09) exposed region's vulnerability to external shocks

- Strong evidence of cointegration between domestic food prices and global food prices
- Resource abundant countries (Kazakhstan & Uzbekistan) benefited from improving terms of trade while resource poor countries (Kyrgyzstan and Tajikistan) suffered due to rising fuel and food prices
- Remittances inflow contracted due to global financial crisis (Kyrgyzstan, Tajikistan & Uzbekistan)
- Economic growth slowed down and food security deteriorated both at macro and household levels

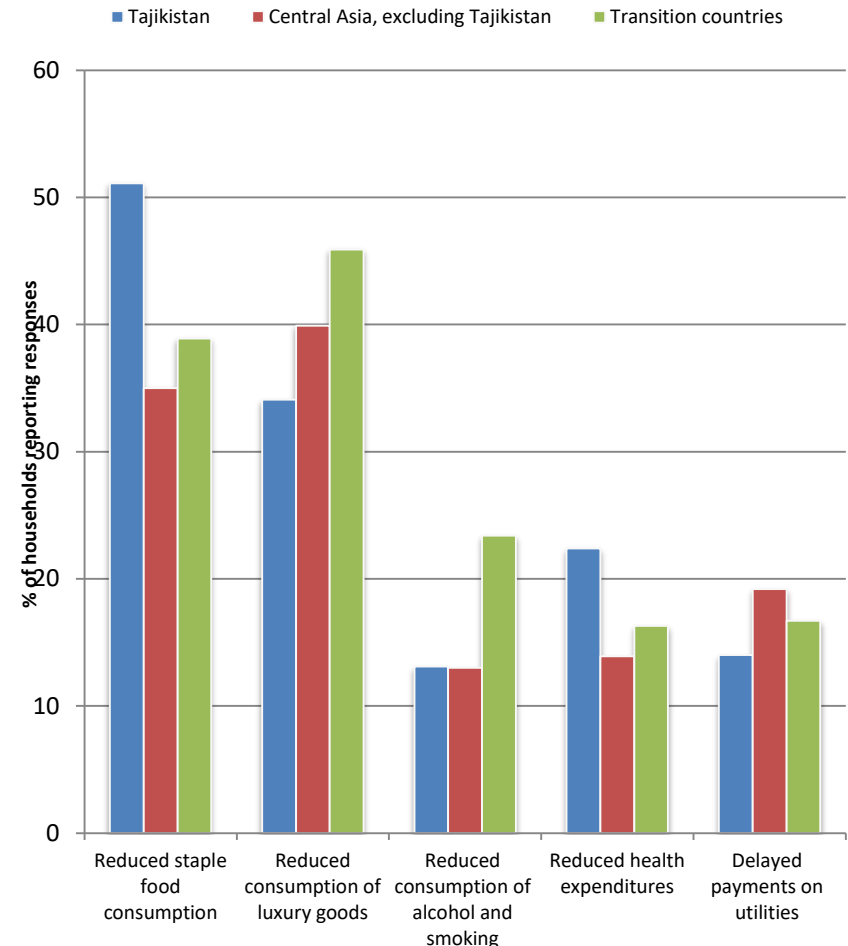


Source: Akramov & Shreedhar (2012)

Food and financial crises strongly impacted households

- Share of Tajikistan's export earnings used to finance its food imports went up from 20% to 40%
- Transmission of global food prices into domestic prices significantly accelerated: 1% increase in global wheat prices causes more than 1.1% increase in domestic wheat prices
- Crisis had strong negative impact on poverty and household welfare
 - Extreme (food) poverty rate, especially in southern and mountain regions, increased
 - Most households were affected by the crisis due to reduced remittances and job loss
 - Most affected households reduced their staple food consumption and health expenditures

Household responses to food and financial crises



Source: Akramov and Shreedhar (2012) using data from EBRD (2011) Life in Transition Survey. Note: Central Asia includes Kazakhstan, Kyrgyzstan and Uzbekistan

Agriculture-nutrition linkages in Tajikistan

- Empirical evidence suggests that
 - Agricultural diversity is positively associated with dietary diversity, and
 - Dietary diversity is in turn correlated with child nutritional outcomes and this relationship depends on child's age
- Evidence also suggests that there is a negative association between household dietary diversity and share of land allocated to cotton and wheat in the district
- Households in communities located further away from urban centers tend to have lower dietary diversity
- These results are robust
 - Across alternative measures of household dietary diversity
 - Changes in estimation techniques
 - Controls for key child, household and community characteristics

Source: Akramov & Malek (forthcoming)

**What is IFPRI's current research agenda
in the region (2017-2019?)**

IFPRI's current and future research and capacity strengthening activities in the region

- Applied policy research on agriculture and food security
 - Methodological issues
 - Macro and sectoral issues
 - Household level analysis
 - Regional and intraregional issues
- Developing research tools and models
 - Dynamic CGE and econometric models
 - Combining biophysical, GIS and economic models
- Promote the exchange of experiences and dialogue, and the use of knowledge in the policy process

Central Asia Program

- Policy research
 - Applied economic modeling
 - Modeling and projecting climate change effects on agriculture and nutrition
 - Assessing food security, agriculture-nutrition linkages and value chain analysis
 - Emerging issues in agricultural development and food security
 - Technologies for sustainable agricultural development and combatting land degradation (ICARDA)
- Capacity strengthening and outreach activities

Applied economic modeling

- SAM/CGE models with disaggregated agricultural sector for Kyrgyzstan and Tajikistan
- Analysis of trade, integration, and agricultural policies, investment and growth options using disaggregated SAM/CGE models
- Sharing SAM/CGE models with research partners (documentation and database)
- Team: Xinshen Diao, James Thurlow, Yumei Zhang, Roman Mogilevski (Kyrgyzstan), Parviz Khakimov (Tajikistan)

Climate change and crop modeling

- Edited IFPRI book/research monograph on climate change, agriculture and food security in Central Asia
- Documentation of Global IMPACT Model validated for Central Asian countries with database to share with ECFS and other partners in the region
- Team includes researchers from IFPRI, ECFS and four Central Asian countries

Assessing food security, agriculture-nutrition linkages and value chain analysis

- Research on food and nutrition security, agriculture-nutrition linkages
- Research on value chains from nutrition and food safety perspectives
- Team: Kamiljon Akramov, Kevin Chen, Alex Saak, Allen Park, and Jarilkasin Ilyasov (IFPRI), and researchers from ECFS, UCA (Kyrgyzstan), TAAS and Zerkalo Analytics Group (Tajikistan), WIUT (Uzbekistan)

Emerging issues in agriculture, food and nutrition security

- Research on current food policy issues and developments
- Research on competitiveness, market integration, and price transmission in food markets
- Research on agricultural productivity, structural transformation, labor migration and other related topics
- Team: Katrina Kosec, Hiro Takeshima, Kamiljon Akramov, Suresh Babu, Allen Park, Jarilkasin Ilyasov, and Brian Holtemeyer (IFPRI, researchers from ECFS, UCA, TAAS, and WIUT)

Data sources

- World Bank: WDI, available at <http://databank.worldbank.org/data/reports.aspx?source=world-development-indicators#>
- ADB, <https://www.adb.org/data/statistics>
- FAO: FAOSTAT, <http://www.fao.org/faostat/en/>
- WHO provide data on health and nutrition indicators, available at <http://www.who.int/gho/en/>
- UNICEF
 - Country level data on malnutrition, <https://data.unicef.org/>
 - MICS data, <http://mics.unicef.org/>
- IFPRI
 - Country level data
 - SPEED, <http://www.ifpri.org/publication/statistics-public-expenditures-economic-development-speed>
 - ASTI, <https://www.asti.cgiar.org/data>
 - Survey datasets, <http://www.ifpri.org/search?keyword=survey%20data>

Data sources

- World Bank Health, Nutrition and Population Statistic Database, <http://data.worldbank.org/data-catalog/health-nutrition-and-population-statistics>
- Demographic and Health Surveys (DHS), <http://dhsprogram.com/data/available-datasets.cfm>
- Living Standards Measurement Study (LSMS) Program at the World Bank, <http://econ.worldbank.org/WBSITE/EXTERNAL/EXTDEC/EXTRERESEARCH/EXTLSMS/0,,contentMDK:21610833~pagePK:64168427~piPK:64168435~theSitePK:3358997,00.html>
- USDA ERS International Agricultural Productivity data, <https://www.ers.usda.gov/data-products/international-agricultural-productivity/>

Data sources

- Bureau for Research and Economic Analysis of Development (BREAD), http://ipl.econ.duke.edu/dthomas/dev_data/index.html
- UN Commodity Statistics Database, <https://comtrade.un.org/>
- OECD Aid statistics, <http://www.oecd.org/dac/financing-sustainable-development/>
- Center for International Development at Harvard University datasets, <http://www.cid.harvard.edu/ciddata/ciddata.html>
- National Accounts Data from Penn World Tables, <http://pwt.econ.upenn.edu/> or <http://cid.econ.ucdavis.edu/pwt.html>