### Study #4087

**Contributing Projects:**
- P582 - 2.4.7 MENA Regional Policy Engagement
- P667 - 2.1.4 Rural-Urban Linkages and Agri-Food System Employment
- P668 - 2.1.5 Capacity Building and Economywide Data and Tools

**Part I: Public communications**

**Type:** OICR: Outcome Impact Case Report  
**Status:** Ready to be reported on  
**Year:** 2020

**Title:** Projections of the impacts of COVID-19 on the Egyptian economy based on PIM modeling tools informed the Government of Egypt’s responses to the pandemic

**Short outcome/impact statement:**

Egypt’s Ministry of Planning and Economic Development requested support from IFPRI to quantify the expected national and sectoral impacts of the pandemic on the Egyptian economy and investigate the consequences of various policy interventions in mitigating the disruptive effects of the virus. This collaboration was based on the use of PIM modeling tools. The results informed the Government’s responses to the pandemic.
Outcome story for communications use:
At the onset of the COVID-19 crisis, Egypt’s Ministry of Planning and Economic Development (MoPED) requested support from IFPRI to quantify the expected national and sectoral impacts of the pandemic on the Egyptian economy. IFPRI and MoPED partnered to use PIM’s Social Accounting Matrix (SAM) multiplier model for this purpose. The results were published in a brief co-authored by IFPRI researchers and Dr. Ahmed Kamaly, MoPED’s Deputy Minister, available on the Ministry’s website [2]. The COVID-19 multiplier impact estimate for April to June 2020 served as the preliminary official figure to inform the governments’ responses to the pandemic [3]. A joint seminar [4] was held in June, including a presentation by Dr. Kamaly. This event appeared in the Twitter account of the Ministry [5].

MoPED then asked IFPRI to continue the collaboration to examine the likely pathways for economic recovery and the effects of the policy interventions on the growth rates of the GDP and its different sectoral components [6]. A policy note was produced on this topic [7].

According to Dr. Kamaly, these results were used “on various occasions and during high-level governmental meetings”. During a conference organized by IFPRI in December 2020 [8], Dr. Hala ElSaid, Minister of Planning and Economic Development, emphasized the importance of the collaboration between MoPED and IFPRI. She stated “We cherish and value the cooperation we have with IFPRI, and the support with USAID. MoPED has collaborated with IFPRI to produce two research notes this year and the process was very smooth and very efficient. IFPRI has been one of the very active and supportive research institutes during the crisis. We were able to capitalize on the analytical modelling and forecasting capabilities of IFPRI and MoPED and we produced two policy notes that analyzed the impact of the crisis on Egypt’s growth with a forecast for the future.”

The collaboration between IFPRI and MoPED continues in 2021, including on briefs about the policies enacted in response to COVID-19 [9].

Links to any communications materials relating to this outcome: <Not Defined>

Part II: CGIAR system level reporting

Link to Common Results Reporting Indicator of Policies : No

Level of maturity of change reported: Level 1

Links to the Strategic Results Framework:
Sub-IDOs:
- Conducive environment for managing shocks and vulnerability, as evidenced in rapid response mechanisms
- Conducive agricultural policy environment

Is this OICR linked to some SRF 2022/2030 target?: Yes

SRF 2022/2030 targets:
- # of people, of which 50% are women, assisted to exit poverty

Comment: <Not Defined>

Geographic scope:
- National
Country(ies):
  ● Egypt
Comments: <Not Defined>

**Key Contributors:**
Contribution CRPs/Platforms: <Not Defined>

Contributing Flagships:
  ● F2: Economywide Factors Affecting Agricultural Growth and Rural Transformation

Contributing Regional programs: <Not Defined>

Contributing external partners:
  ● The Kiel Institute for the World Economy
  ● Government of Egypt
  ● ECES - Egyptian Center for Economic Studies
  ● CU - University of Cairo
  ● USAID - U.S. Agency for International Development

**CGIAR innovation(s) or findings that have resulted in this outcome or impact:**
Social Accounting Matrix for Egypt Rural Investment Analysis and Policy Analysis (RIAPA) model

**Innovations:**
  ● 345 - Rural Investment and Policy Analysis model
Elaboration of Outcome/Impact Statement:
Social Accounting Matrix (SAM) multiplier models are suited to measuring short-term direct and indirect impacts of unanticipated, rapid-onset demand-side economic shocks, such as those caused by the COVID-19 pandemic. At the heart of the multiplier model is a SAM, an economywide database that captures resource flows associated with all economic transactions that take place in the economy. The SAM multiplier model provides a mechanism for estimating the effects of an external shock on sectoral and national production, factor incomes (wages or rents) and household incomes on the basis of the production, employment, and consumption relationships captured in the SAM.

At the onset of the COVID-19 crisis, Egypt’s Ministry of Planning and Economic Development (MoPED) requested support from IFPRI to quantify the expected national and sectoral impacts of the pandemic on the Egyptian economy. IFPRI and MoPED partnered to use PIM’s SAM multiplier model for this purpose. An online session [1] was held in May 2020 to discuss the model and related assumptions. The results were published in a brief co-authored by IFPRI researchers and Dr. Ahmed Kamaly, MoPED’s Deputy Minister, available on the Ministry’s website [2]. The COVID-19 multiplier impact estimate for April to June 2020 served as the preliminary official figure to inform the governments’ responses to the pandemic [3]. A joint seminar [4] was held in June, including a presentation by Dr. Kamaly. This event appeared on the Ministry’s Twitter account [5].

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**References cited:**


[6] Email from Dr. Kamaly dated October 14, 2020: https://tinyurl.com/yky7mxtt


[8] Remarks of Dr. Hala ElSaid, Minister of Planning and Economic Development, at online conference “Beyond COVID-10: Recommendations from five years of policy research in Egypt and directions for the future”. Audio recording available at: https://tinyurl.com/ygx57wgx (statement on IFPRI’s work at 5:35)

[9] Email from Dr. Kamaly dated February 9, 2021: https://tinyurl.com/ygbfudh6

**Quantification:** <Not Defined>

**Gender, Youth, Capacity Development and Climate Change:**

**Gender relevance:** 0 - Not Targeted  
**Youth relevance:** 0 - Not Targeted  
**CapDev relevance:** 1 - Significant  
Main achievements with specific CapDev relevance: The collaboration between IFPRI and MoPED based on the SAM multiplier model has strengthened the capacity of MoPED staff to use this tool.  
**Climate Change relevance:** 0 - Not Targeted

**Other cross-cutting dimensions:** No

**Other cross-cutting dimensions description:** <Not Defined>  

**Outcome Impact Case Report link:** Study #4087

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