

Increasing the resilience of Food Systems in Islamic Countries in the face of future crises



14TH MEETING OF THE COMCEC AGRICULTURE WORKING GROUP

OVERVIEW OF FOOD SYSTEMS: CONCEPTUAL FRAMEWORKS, GLOBAL TRENDS AND BEST PRACTICES

October 9th, 2019

Presented by:

DinarStandard



Agenda

1. Project Approach and Methodology

- 2. Conceptual framework
- 3. Global trends & practices

Project Approach and Methodology

Objectives

The study lays the groundwork for robust policy action and cooperation to strengthen OIC food systems

Purpose

The **purpose** of the study is to provide COMCEC with a benchmarked assessment of how OIC performs on food security, identify areas of weakness and provide a remedial roadmap for governments and stakeholders to follow

Audience

The primary target audience of the report is the COMCEC Agriculture Working Group Meetings as well as those attending Ministerial Meetings at COMCEC.

Objectives

- 1 Review and analyze issues related to global and OIC vulnerability to food crises
- 2 Explore the drivers of food crises in general and those related to agricultural value chains in particular;
- 3 Identify the strategies used to mitigate, adapt, and increase resilience to mitigate potential future food crises; and
- 4 Provide recommendations for strategies to increase food security resilience for OIC member countries to address future food crises.

Project Approach and Methodology

Methodology

The robust study leveraged comprehensive secondary research, on-the ground interviews and surveys



Primary research

Expert interviews

15 in-depth interviews with food security stakeholders across Oman, Niger and Indonesia

Surveys

*Survey of **150 respondents** across the Food and Beverage value chain in the OIC*



Secondary research

Third party research

*Comprehensive review of **40+** sources spanning UNFAO, COMCEC, SESRIC, World Bank and National-level studies*



Synthesis and customization

Proprietary framework development

Development of custom evaluation framework building on our extensive knowledge of Food and Trade

Unparalleled In-house expertise and connectivity

Utilization of extensive in-house IP on Food, Trade, Halal, backed by extensive team experience

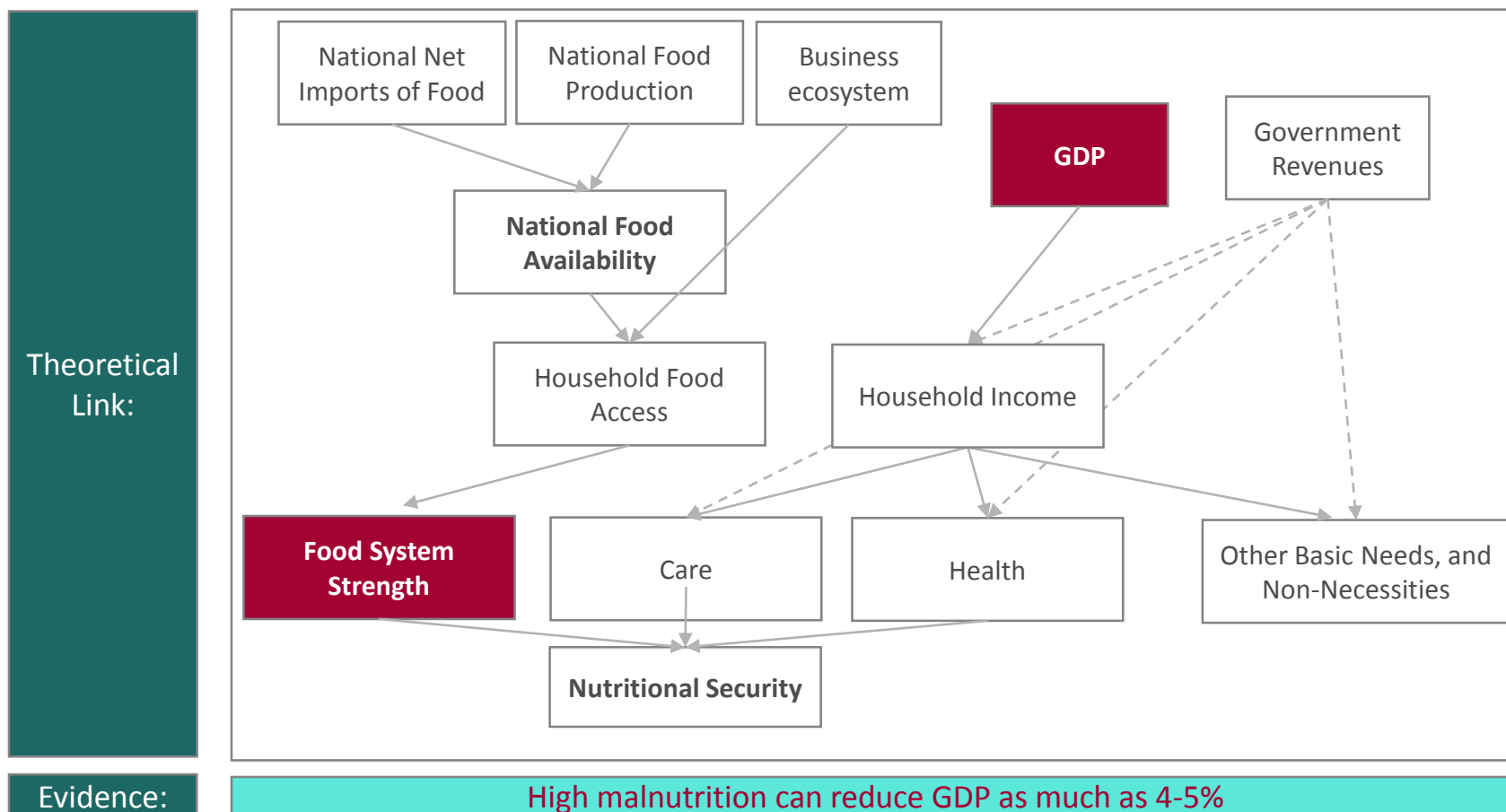
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Conceptual framework

Food and economy

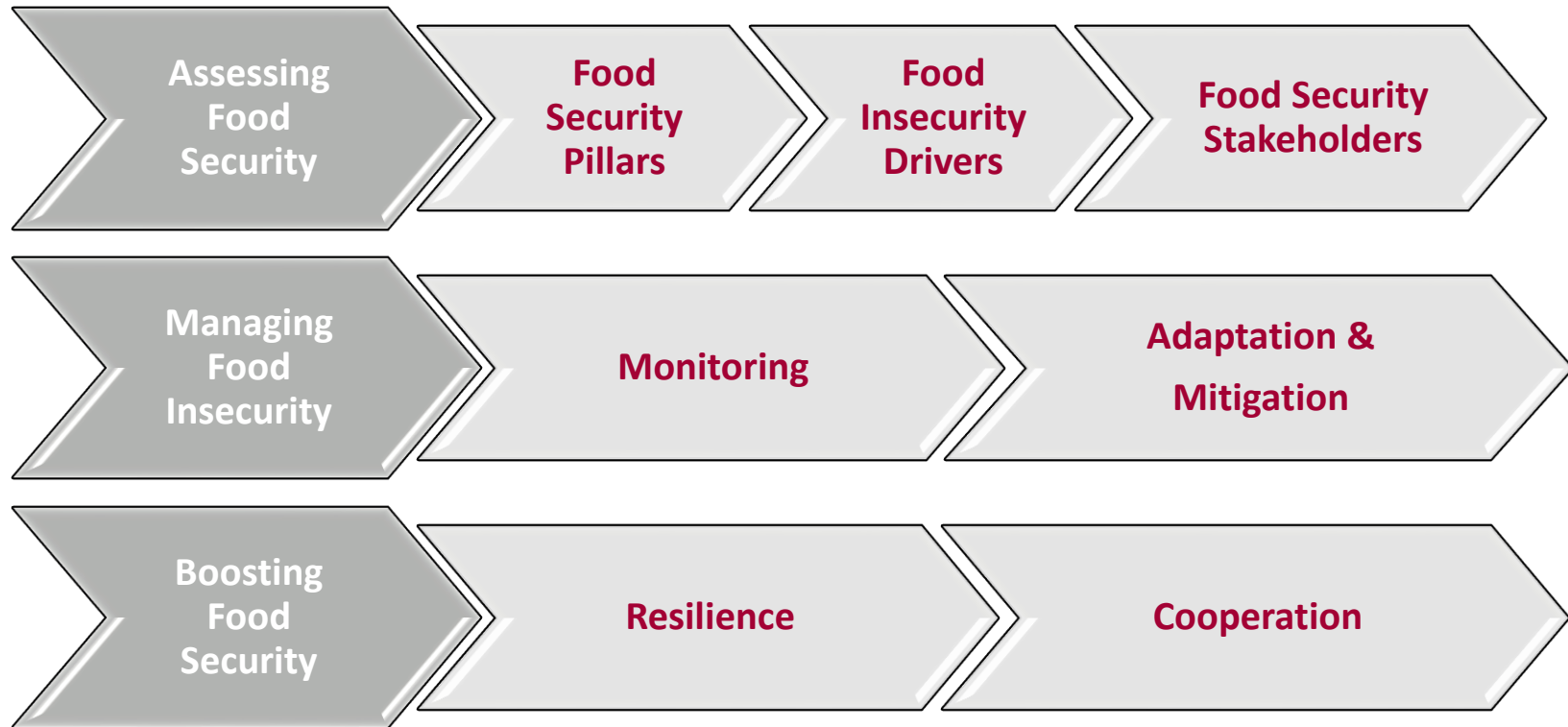
Sustainable food Systems are essential to Economy prosperity – proven empirically



Conceptual framework

Pillars of stability

Stable Food systems require three core pillars spanning awareness, immediate action and long-term action



Conceptual framework

Knowledge and cooperation

Assessing Food Security is predicated upon sound knowledge and public-private cooperation



Conceptual framework

Building stability

Managing and Boosting System stability requires multiple policy-led actions

**Managing Food
System Stability**

Monitoring

- **Agricultural Production Monitoring**
- **Market Information Monitoring**
- **Social Monitoring**
- **Food & Nutrition Surveillance**

Adaptation & Mitigation

- **Contingency Planning**
- **Risk & Vulnerability Reduction Measures/Strategies**
- **Social Protection**

**Boosting Food System
Stability**

Resilience

- **Research and Development**
- **Diversifying Livelihoods**
- **Building Human Capital**

Cooperation

- **Bilateral**
- **Regional**
- **International**

Agenda

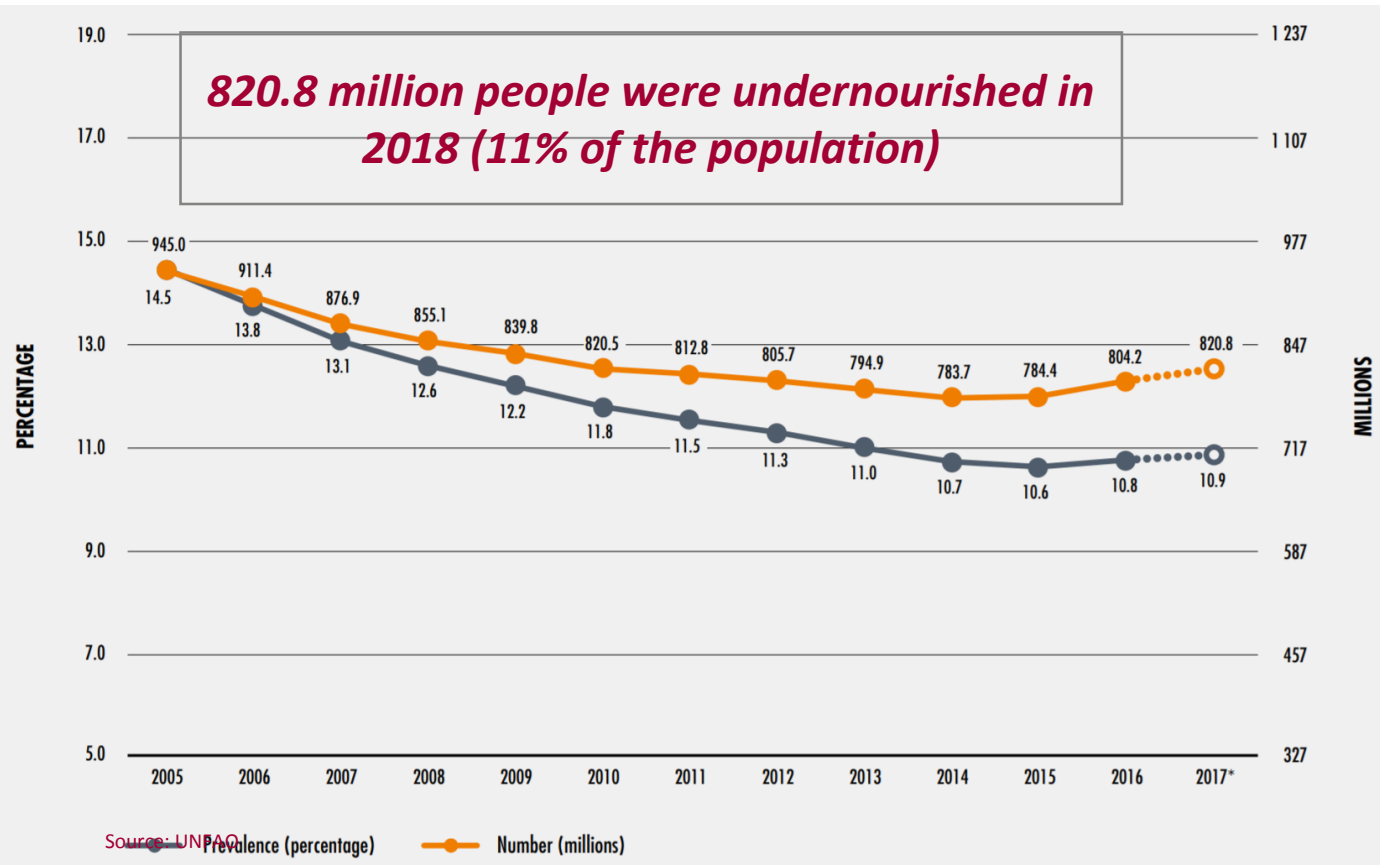
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Global trends & practices

Global food crises

Undernourishment is on the rise, sharpening focus on food system stability

Figure: Undernourished people as % of population and in millions



Primary causes

Economic

e.g. Price rises - Niger

Political

e.g. Conflict - Burma

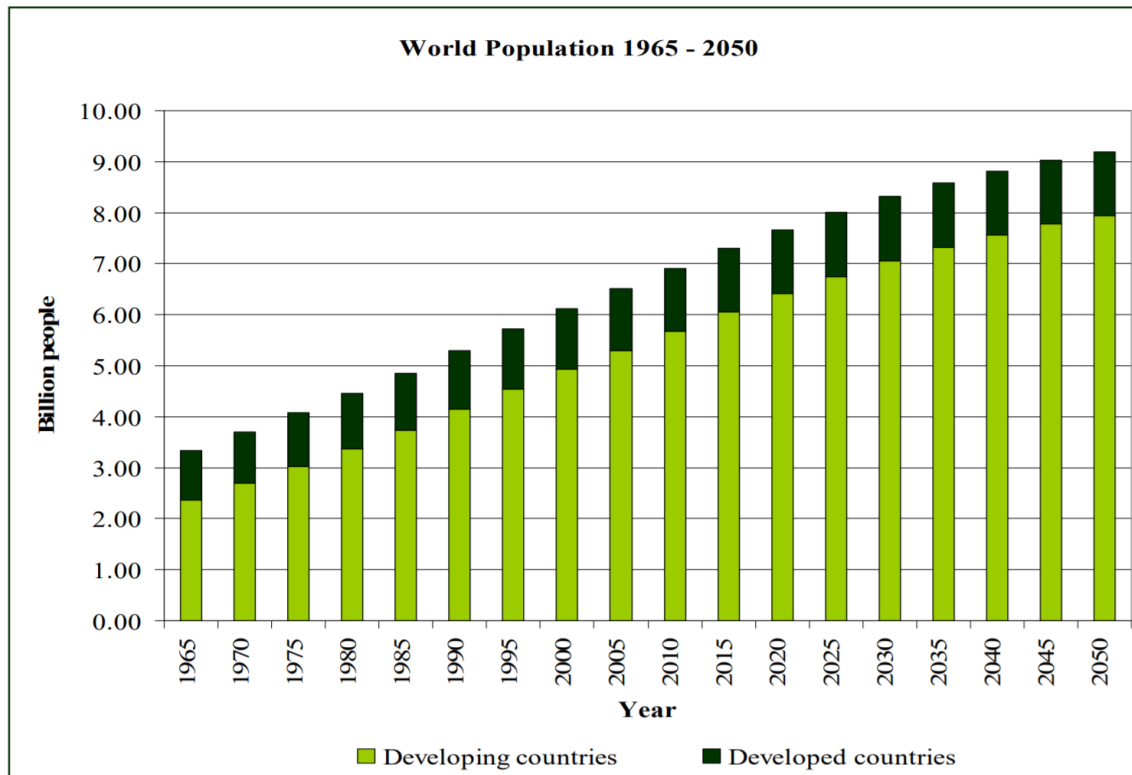
Environmental

e.g. Flooding - East Africa

Global trends & practices

Future crises ?

High risks from substantial population rise is coupled with environmental damage



Potential drivers

Substantial rise in Demand leading to shortages

Climate change reducing agricultural yields

Growing urbanization reducing agricultural land

Source: Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat (2007)

Global trends & practices

Global Leaders

Singapore, Ireland, the U.S. and the UK lead the world in food system strength



Global Food Security Index



Global ranking ▲	Country ▲	Overall score	Affordability ▲	Availability ▲	Quality & Safety ▲
1st	Singapore	85.9	94.3	81.0	78.1
2nd	Ireland	85.5	87.8	83.6	84.8
=3rd	United Kingdom	85.0	82.6	88.8	80.4
=3rd	United States	85.0	86.8	83.2	85.4
5th	Netherlands	84.7	82.8	86.1	85.1
6th	Australia	83.7	84.3	82.6	85.4
7th	Switzerland	83.5	82.2	86.1	79.8
8th	Finland	83.3	81.3	84.2	86.0
9th	Canada	83.2	81.9	84.4	83.0
10th	France	82.9	80.5	83.8	86.5

GDP per capita
ranking

3rd (Singapore)

5th (Ireland)

26th (UK)

10th (U.S.)

Global trends & practices

Best practices

The U.S. and Ireland are particularly instructive pathways to food system stability



Examples (not exhaustive)			
Monitoring	Adaptation & mitigation	Resilience	Cooperation
<ul style="list-style-type: none"> Foodborne illness monitoring Household poverty surveys 	<ul style="list-style-type: none"> FDA food chain risk assessment 15 domestic food and nutrition programs 	<ul style="list-style-type: none"> US land grant system for agriculture colleges USDA research 	<ul style="list-style-type: none"> Free trade agreements Technical and financial aid
<ul style="list-style-type: none"> Agricultural total factor productivity Consistent poverty indicator 	<ul style="list-style-type: none"> National mitigation plan Agriculture Safety net loans 	<ul style="list-style-type: none"> National Food innovation hub Rural innovation and leader's program 	<ul style="list-style-type: none"> EU Common market membership Collaboration with UN FAO and World Bank

Contact

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We look forward to hearing from you.

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