REGIONAL AGRICULTURE PROFILE (RAP)
EGYPT HUB
CONTENTS

Introduction 01
Economic relevance of agriculture 02
Agriculture and land use 04
Food security and nutrition 08
Climate change in the region 11
Progress towards the SDGs 12
IsDB Footprint in the region 14
IsDB outlook in the region 16
INTRODUCTION

The Islamic Development Bank (IsDB) Regional Hub in Egypt is based in Cairo, Egypt and was established in January 2018. The hub is responsible of the Bank’s operations in Egypt, Iraq, Jordan, Lebanon, Palestine, Sudan and Syria.

The present membership of the IsDB consists of 57 countries.
EGYPT
JOINING DATE: 1974
SUBSCRIBED CAPITAL (SC): ID 3,579.65 MILLION
% OF TOTAL IsDB SC: 7.07

IRAQ
JOINING DATE: 1978
SUBSCRIBED CAPITAL (SC): ID 135.05 MILLION
% OF TOTAL IsDB SC: 0.27

JORDAN
JOINING DATE: 1974
SUBSCRIBED CAPITAL (SC): ID 219.43 MILLION
% OF TOTAL IsDB SC: 0.43

LEBANON
JOINING DATE: 1977
SUBSCRIBED CAPITAL (SC): ID 35.77 MILLION
% OF TOTAL IsDB SC: 0.07

PALESTINE
JOINING DATE: 1977
SUBSCRIBED CAPITAL (SC): ID 19.55 MILLION
% OF TOTAL IsDB SC: 0.04

SYRIA
JOINING DATE: 1977
SUBSCRIBED CAPITAL (SC): ID 18.49 MILLION
% OF TOTAL IsDB SC: 0.04

SUDAN
JOINING DATE: 1974
SUBSCRIBED CAPITAL (SC): ID 232.95 MILLION
% OF TOTAL IsDB SC: 0.46

ISDB GROUP TOTAL NET APPROVALS
1974-2019
(MILLION US$)
TOTAL
us$ 19,668.8
OTHER FUNDS
3,886.1
19.8%
6,129.1
31.2%
436.1
2.2%
9,217.6
46.9%
The agriculture sector accounts for about 12% of the region’s GDP. The sector provides employment for more than 20% of the active population.
<table>
<thead>
<tr>
<th><strong>EGYPT HUB</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL COUNTRIES AREA (’000 HA)</strong></td>
</tr>
<tr>
<td><strong>423,328</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>TOTAL POPULATION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(MILLION)</strong></td>
</tr>
<tr>
<td><strong>212,375</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GDP PER CAPITA(^1)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(CURRENT PRICES, US$)</strong></td>
</tr>
<tr>
<td><strong>4,374</strong></td>
</tr>
</tbody>
</table>

\(^1\) Without Syria and Palestine.
IsDB Group Operations by Sector 1974-2019
(Million US$)

- **Transport & Real Estate**: 2,500.1 (12.7%)
- **Agriculture**: 1,684.4 (8.6%)
- **Others (Finance, Trade, ICT etc)**: 526.9 (2.7%)
- **Energy, Mining & Industry**: 12,765.8 (64.9%)
- **Education, Health & Social Services**: 2,191.6 (11.1%)

Total Operations: $19,668.8
ECONOMIC RELEVANCE OF AGRICULTURE SECTOR

Agriculture is an important source of livelihood in the RH member countries. The sector accounts for about 12.2% of the region’s overall GDP and provides employment for more than 20.14% of the active population.

<table>
<thead>
<tr>
<th>GDP (BILLION US$)</th>
<th>56,990</th>
<th>83,327</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010-19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

% AGRICULTURE TO GDP

- 2000-09: 12.20
- 2010-19: 10.87

% OF AGRIC. EMPLOYMENT TO TOTAL EMPLOYMENT

- 2000-09: 23.79
- 2010-19: 20.14

% OF FEMALE EMPLOYMENT IN AGRIC. TO FEMALE EMPLOYMENT

- 2000-09: 32.30
- 2010-19: 25.91

---

2 Without Palestine and Syria.
3 Without Palestine.
4 Without Palestine.
AGRICULTURE AND LAND USE

The agriculture land represents 39.6% of the region’s total land area. The irrigation lands have witnessed slow expansion over the past two decades due to water scarcity of the region. The agriculture sector is noticeably the highest water consuming sector utilizing 66.36% of the available water resources compared to 15.74 % for the industrial use.

Without Palestine and Syria
FOOD SECURITY AND NUTRITION

The cereals and sugar cane productivity (tons/ha) have increased with a very low rate during the last twenty years. The aggregate of the global food security index has shown improvement over the last 10 years. This is also evident and substantiated by the noticeable decline in the Global Hunger Index and undernourishment indicators.

WHEAT YIELD
(TONS/HA)

MAIZE
(TONS/HA)

SORGHUM
(TONS/HA)

SURGARCANE
(TONS/HA)

FERTILIZER
(KG/HA)

WHEAT YIELD
(TONS/HA)

MAIZE
(TONS/HA)

SORGHUM
(TONS/HA)

SURGARCANE
(TONS/HA)

FERTILIZER
(KG/HA)

LIVESTOCK

CATTLE
(MILLION HEAD)

GOATS & SHEEP
(MILLION HEAD)

2000-09

1.2

6.5

2010-19

1.4

7.2

6. Without Sudan.
7. Without Palestine and Sudan.
8. Without Sudan.
10. Without Palestine and Sudan.
11. Without Sudan.
GLOBAL FOOD SECURITY INDEX (GFSI)\(^2\)

<table>
<thead>
<tr>
<th>Year</th>
<th>2010-18</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>46.0%</td>
<td>52.4%</td>
</tr>
</tbody>
</table>

GLOBAL HUNGER INDEX (GHI)\(^3\)

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>14.1%</td>
<td>13.9%</td>
</tr>
</tbody>
</table>

AVERAGE DIETARY ENERGY SUPPLY ADEQUACY (%) \(^4\)

PREVALENCE OF UNDERNOURISHMENT (%) \(^5\)

% STUNTING IN CHILDREN UNDER 5 YEARS \(^6\)

CEREAL IMPORT DEPENDENCY RATIO (%) \(^7\)

\(^2\) Without Iraq, Lebanon and Palestine.
\(^3\) Without Sudan, Syria and Palestine.
\(^4\) Without Sudan.
\(^5\) Without Palestine, Sudan and Syria.
\(^6\) Without Sudan and Syria.
\(^7\) Without Lebanon and Syria.
MEMBER COUNTRIES OF THE HUB DEPEND PRIMARILY ON RAINFALL AS THE MAIN WATER SOURCE FOR AGRICULTURE
CLIMATE CHANGE

The member countries of the hub depend primarily on rainfall as the main water source for agriculture which rank the region as highly vulnerable to changes in rainfall amount and patterns. The region has witnessed increase in temperature by 0.58°C over the last twenty years.

CHANGES IN TEMPERATURE (DEGREES CELSIUS)18

18 Without Palestine, Sudan and Iraq.
PROGRESS TOWARDS THE SDGs

AGRICULTURE-RELATED SDG SCORES | EGYPT HUB vs IsDB 57

<table>
<thead>
<tr>
<th>SDG</th>
<th>HUB</th>
<th>IsDB 57</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No Poverty</td>
<td>78.1</td>
<td>63.8</td>
</tr>
<tr>
<td>2. Zero Hunger</td>
<td>38.9</td>
<td>48.9</td>
</tr>
<tr>
<td>3. Good Health</td>
<td>45.3</td>
<td>45.7</td>
</tr>
<tr>
<td>4. Quality Education</td>
<td>66.1</td>
<td>66.1</td>
</tr>
<tr>
<td>5. Decent Work</td>
<td>26.6</td>
<td>26.2</td>
</tr>
<tr>
<td>6. Economic Growth</td>
<td>57.2</td>
<td>60.0</td>
</tr>
<tr>
<td>7. Industry Innovation</td>
<td>75.4</td>
<td>84.3</td>
</tr>
<tr>
<td>8. Infrastructure</td>
<td>84.3</td>
<td>86.8</td>
</tr>
<tr>
<td>9. Sustainable Cities</td>
<td>87.7</td>
<td></td>
</tr>
<tr>
<td>10. Responsible Consumption</td>
<td>41.9</td>
<td>50.2</td>
</tr>
<tr>
<td>11. Affordable Housing</td>
<td>54.7</td>
<td>59.2</td>
</tr>
<tr>
<td>12. Clean Energy</td>
<td>58.1</td>
<td>60.5</td>
</tr>
</tbody>
</table>

AVG. SDG

OVERALL
EGYPT HUB HAS ACHIEVED THE HIGHEST PROGRESS IN CLIMATE ACTION (SDG 13) WITH A SCORE OF 86.8%
IsDB FOOTPRINT IN THE REGION

IsDB AGRICULTURAL FINANCING | 1974-2019

COUNTRY OPERATIONS
ACTIVE & COMPLETED (PROJECT NO AND USS)

REGIONAL HUB OPERATIONS
ACTIVE & COMPLETED (PROJECT NO AND USS)

IsDB AGRICULTURAL FINANCING

INTEGRATED RURAL DEVELOPMENT 3.02%
LIVESTOCK 0.72%
CROPS 2.98%
GENERAL AGRICULTURE 31.45%
IRRIGATION AND DRAINAGE 61.84%
<table>
<thead>
<tr>
<th>IsDB ONGOING INVESTMENT &amp; KEY EXPECTED OUTPUT IN EGYPT HUB</th>
<th>TOTAL PROJECT INVESTMENT: US$344.272M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CROP LAND DEVELOPMENT (HA)</td>
<td>338,329</td>
</tr>
<tr>
<td>CROP PRODUCTION (TONS)</td>
<td>426,474</td>
</tr>
<tr>
<td>WATER RESOURCES DEVELOPED FOR AGRIC. PURPOSE (MILLION M³)</td>
<td>9.860</td>
</tr>
</tbody>
</table>
IsDB OUTLOOK IN THE REGION

IsDB new business model, which is based on Global Value Chain, aims to boost the competitiveness of member countries. IsDB aims to achieve this goal by supporting member countries develop strategic industries in which they have comparative advantage, creating local supply chains and integrating them with Global Value Chains. This new business model will be implemented through GVC based Member Country Partnership Strategy (MCPS). The bank plans to launch the Iraq and Jordan MCPS in 2022. The Bank is expected to support the region in the following thematic areas:

- Increase crop and livestock production/productivity
- Building resiliency to climate change
- Improve access to remunerative markets
- Inclusive and competitive value chains with private sector participation
- Build human and institutional capacity

DATA SOURCES

IsDB project data is taken from the existing IsDB Database, while most other indicators are calculated based on the data available from FAOSTAT (http://www.fao.org/faostat/en/#data), except for the following indicators:

- National Rainfall Index and total water withdrawal, agricultural water withdrawal and industrial water withdrawal as well as temperature change are taken from FAO AQUASTAT (ww.fao.org/nr/water/aquastat/data/query/index.html?lang=en).
- SDG Index Scores are taken and calculated from the 2019 publication of Bertelsmann Stiftung and Sustainable Development Solutions Network (SDSN) titled Sustainable Development Report 2019: Transformations to Achieve the Sustainable Development Goals. Some of the Scores are taken and calculated from the 2019 IsDB Publication titled Reaching the SDGs: Progress of the IsDB Member Countries.
- Percentage agriculture GDP to total GDP is from the World Bank (https://data.worldbank.org/). Agriculture includes agriculture, forestry and fishing.
- Percentage of agricultural employment to total employment is from the World Bank (https://data.worldbank.org/).
- Percentage of female employment in agriculture to female employment is from the World Bank (https://data.worldbank.org/).
- Agricultural productivity is from the World Bank (https://data.worldbank.org/).

Note: The figures for the specified period provided in this RAP are based on simple average of available data across the years and countries in the region (Hub) during the period. In some cases, the figures for the Hub may be based only on some years during the period and/or only on some countries in the Hub.