

## REGIONAL AGRICULTURE PROFILE (RAP) TURKEY HUB





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### AGRICULTURE INFRASTRUCTURE DIVISION

2020 ECONOMIC & SOCIAL INFRASTRUCTURE DEPARTMENT IN COLLABORATION WITH  
ECONOMIC AND RESEARCH INSTITUTIONAL LEARNING DEPARTMENT

# INTRODUCTION

The Islamic Development Bank (IsDB) Regional Hub in Turkey (RH-TH), based in Ankara, Turkey was established in 2018.<sup>1</sup> The RH is responsible the Bank's operations in Albania, Azerbaijan and Turkey.

THE PRESENT MEMBERSHIP OF THE IsDB CONSISTS OF

**57 COUNTRIES**

- ISDB MEMBER COUNTRIES
- REGIONAL AGRICULTURE PROFILE HUB



<sup>1</sup> IsDB opened its office in 2014 as Country Gateway Office.



## ALBANIA

JOINING DATE

SUBSCRIBED CAPITAL (SC)

% OF TOTAL IsDB SC

1993

US\$ 9.23 MILLION

0.02



## AZERBAIJAN

JOINING DATE

SUBSCRIBED CAPITAL (SC)

% OF TOTAL IsDB SC

1992

US\$ 50.92 MILLION

0.10



## TURKEY

JOINING DATE

SUBSCRIBED CAPITAL (SC)

% OF TOTAL IsDB SC

1974

US\$ 3,263.8 MILLION

6.45

### IsDB GROUP TOTAL NET APPROVALS

1974-2019

(MILLION US\$)

TOTAL

US\$ 13,458.0



5,322.4  
39.5%



660.4  
4.9%



OTHER FUNDS  
2,916.9  
21.7%

4,558.3  
33.9%



itfc





ABOUT  
**50%**  
OF THE TOTAL LAND AREA IS  
AGRICULTURAL LAND

## TURKEY HUB

TOTAL COUNTRIES AREA ('000 HA)

90,070

2018



TOTAL POPULATION ('000)

95,128

2018



GDP PER CAPITA

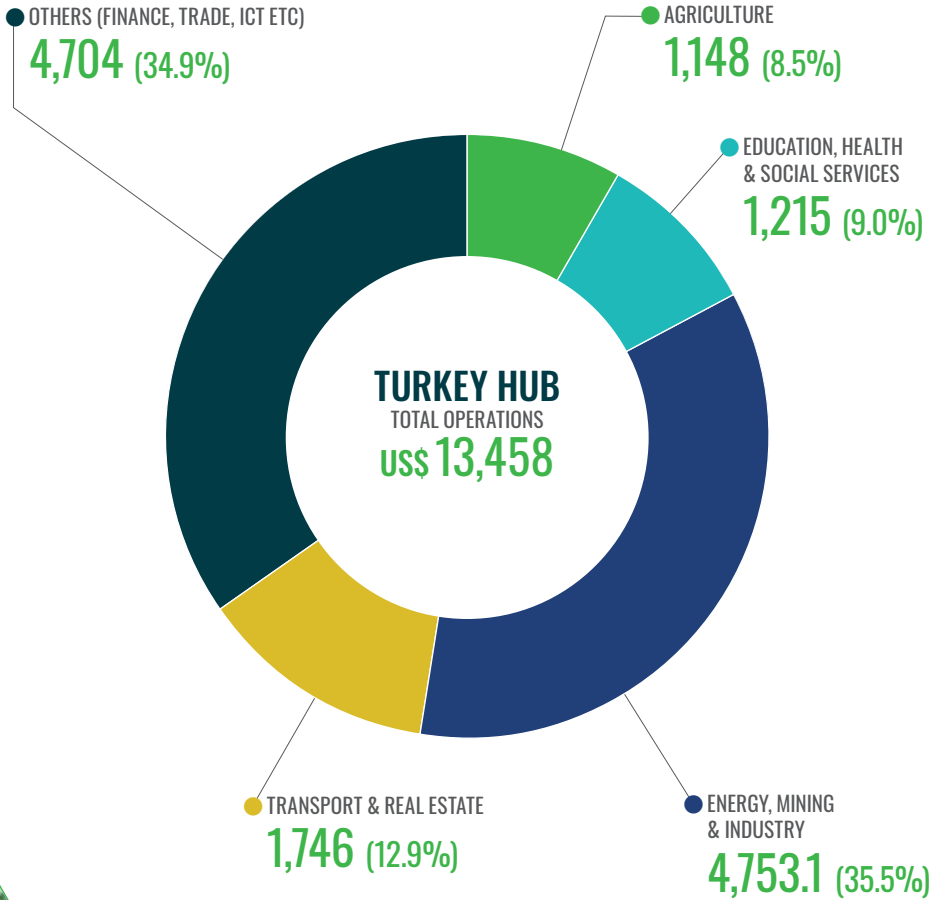
((2018 CURRENT PRICES, US\$))

6,453

2018



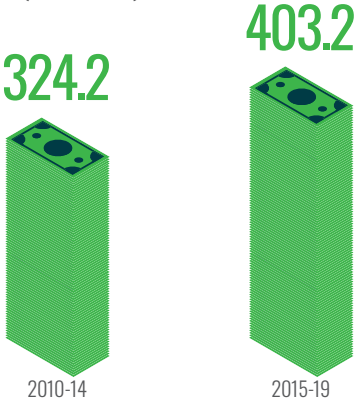
**IsDB GROUP APPROVALS BY SECTOR 1974 - 2019**  
(MILLION US\$)



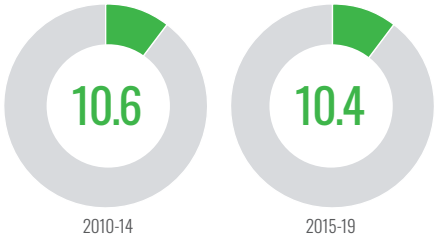
# ECONOMIC RELEVANCE OF AGRICULTURE SECTOR

Since 1990s, the economies of Turkey Hub counties have diversified, resulting in boom in other sectors, particularly service sector. The contribution of agriculture sector to the economy as well as employment including % female employment in the sector has declined over past two decades.

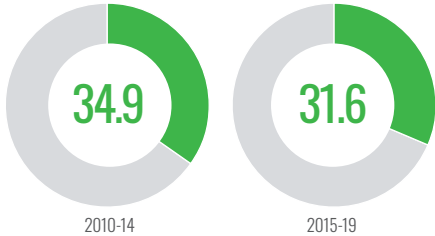
**GDP (BILLION US\$)**



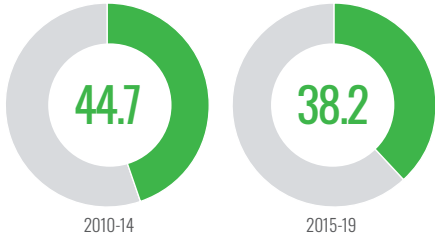
**% AGRICULTURE TO GDP**



**% OF AGRIC. EMPLOYMENT TO TOTAL EMPLOYMENT**



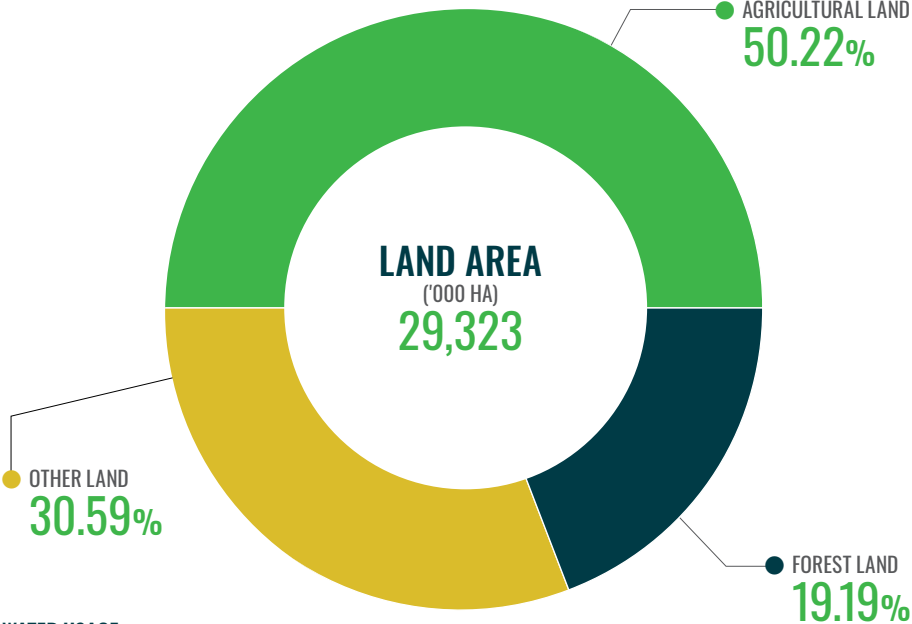
**% OF FEMALE EMPLOYMENT IN AGRIC. TO FEMALE EMPLOYMENT**



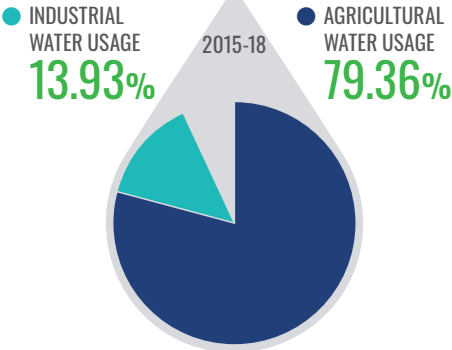


# AGRICULTURE AND LAND USE

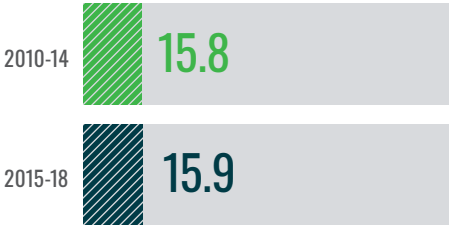
Land area consists of crop land comprising arable land and land under permanent crops including permanent meadows, forest area and other land. About 50% of the total land area is agricultural land, of which more than 23% is permanent meadows and pastures. The land area equipped for irrigation, on average, stayed stable by 2.3 million ha over two decades.



## WATER USAGE (% OF TOTAL WATER USAGE)

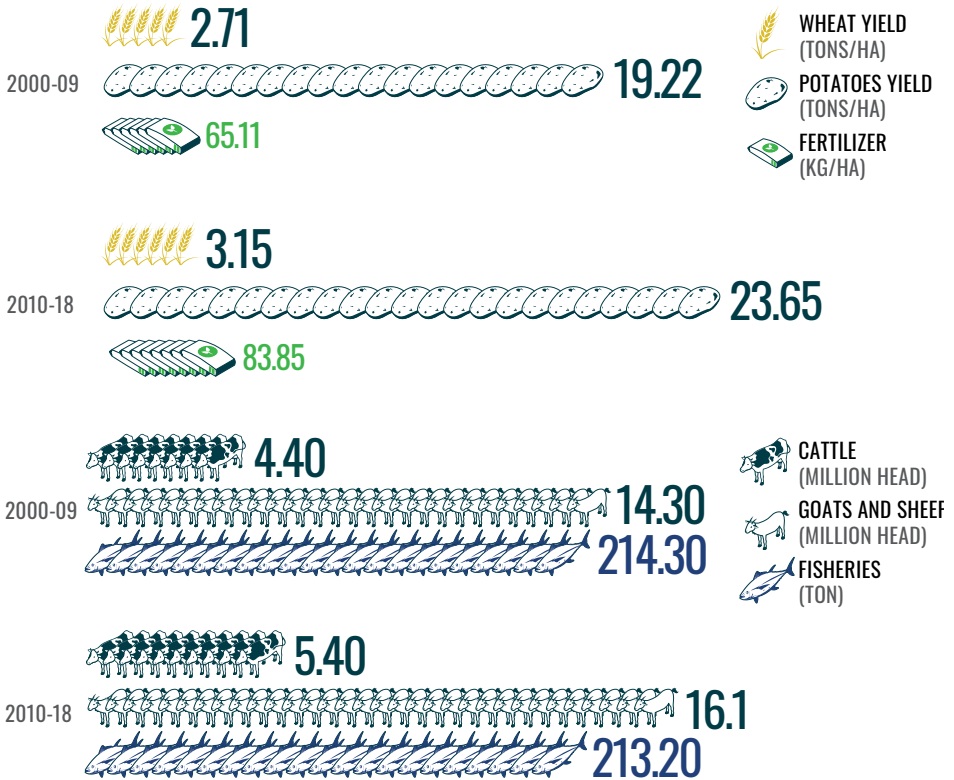


## LAND AREA EQUIPPED FOR IRRIGATION (%)

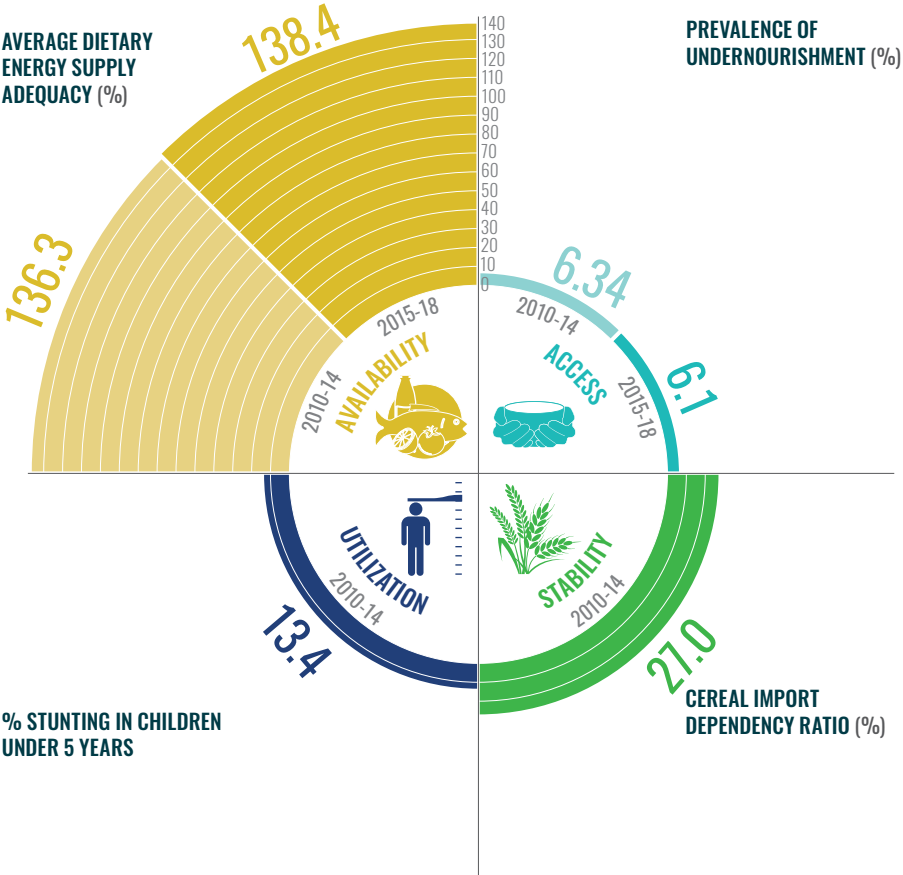
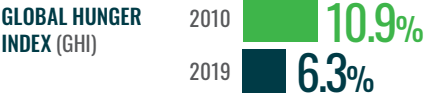


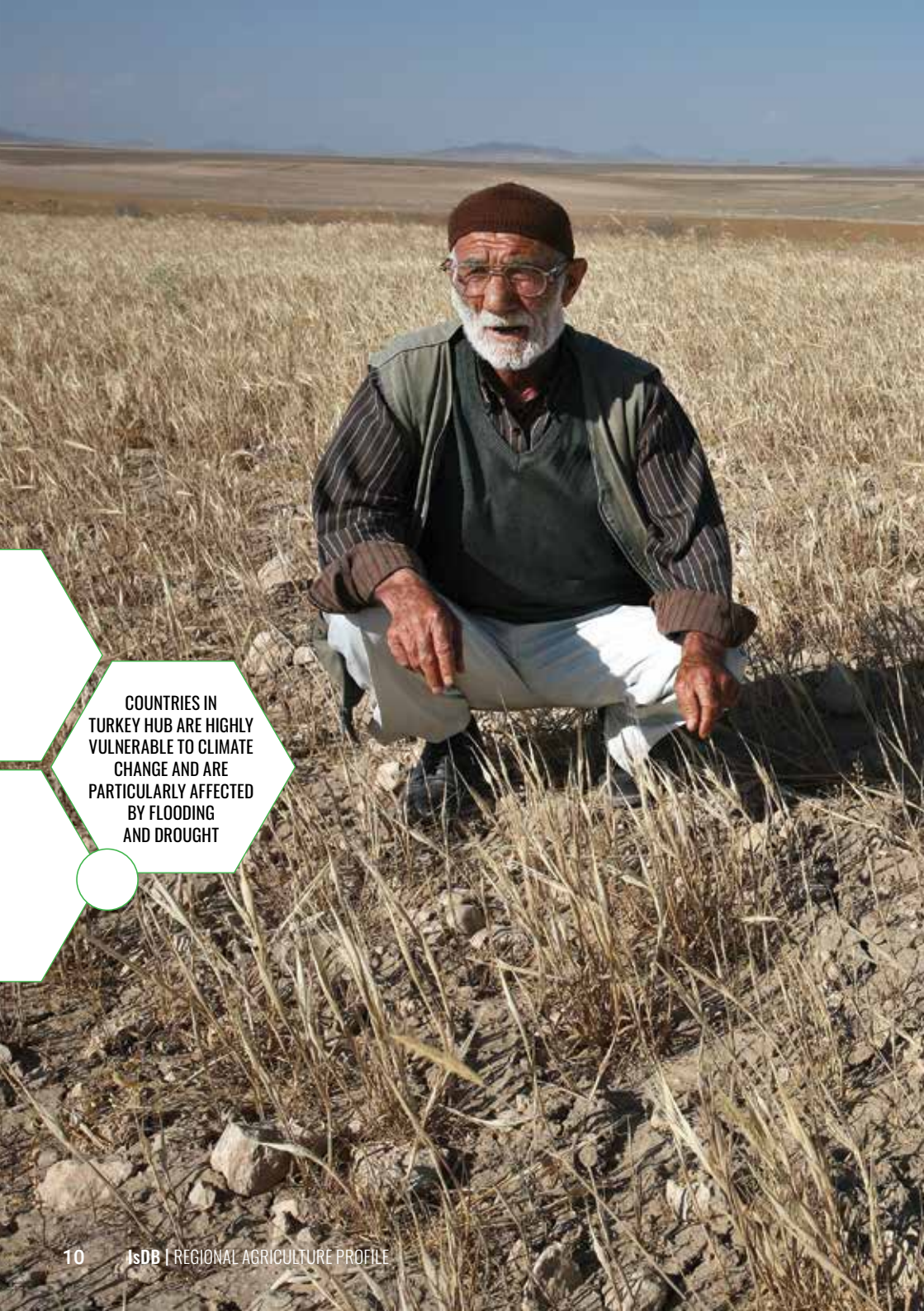
# FOOD SECURITY AND NUTRITION

Wheat is a major staple crop in TH followed by potatoes. Yields of wheat and potatoes significantly increased over the past two decades. Livestock and fisheries (including aquaculture) play a vital role in the development of TH's economy and important for the country's food and nutrition security.



Overall food security has significantly improved over the past decade. The Global Food Security Index in TH increased from 58 in 2010-18 to 67.3 in 2019. While Global Hunger Index (GHI) declined from 10.9 in 2010 to 6.3 during the same period.





**COUNTRIES IN  
TURKEY HUB ARE HIGHLY  
VULNERABLE TO CLIMATE  
CHANGE AND ARE  
PARTICULARLY AFFECTED  
BY FLOODING  
AND DROUGHT**

# CLIMATE CHANGE

The countries in TH is highly vulnerable to climate change and agriculture sector which faces threat particularly in areas is affected by flooding, and drought. It is predicted that average annual temperatures will increase by 2.5°C by 2050 if no measures are taken.

## CHANGES IN TEMPERATURE (DEGREES CELSIUS)



TURKEY REGION



1990-94



1995-99



2000-04



2005-09



2010-14



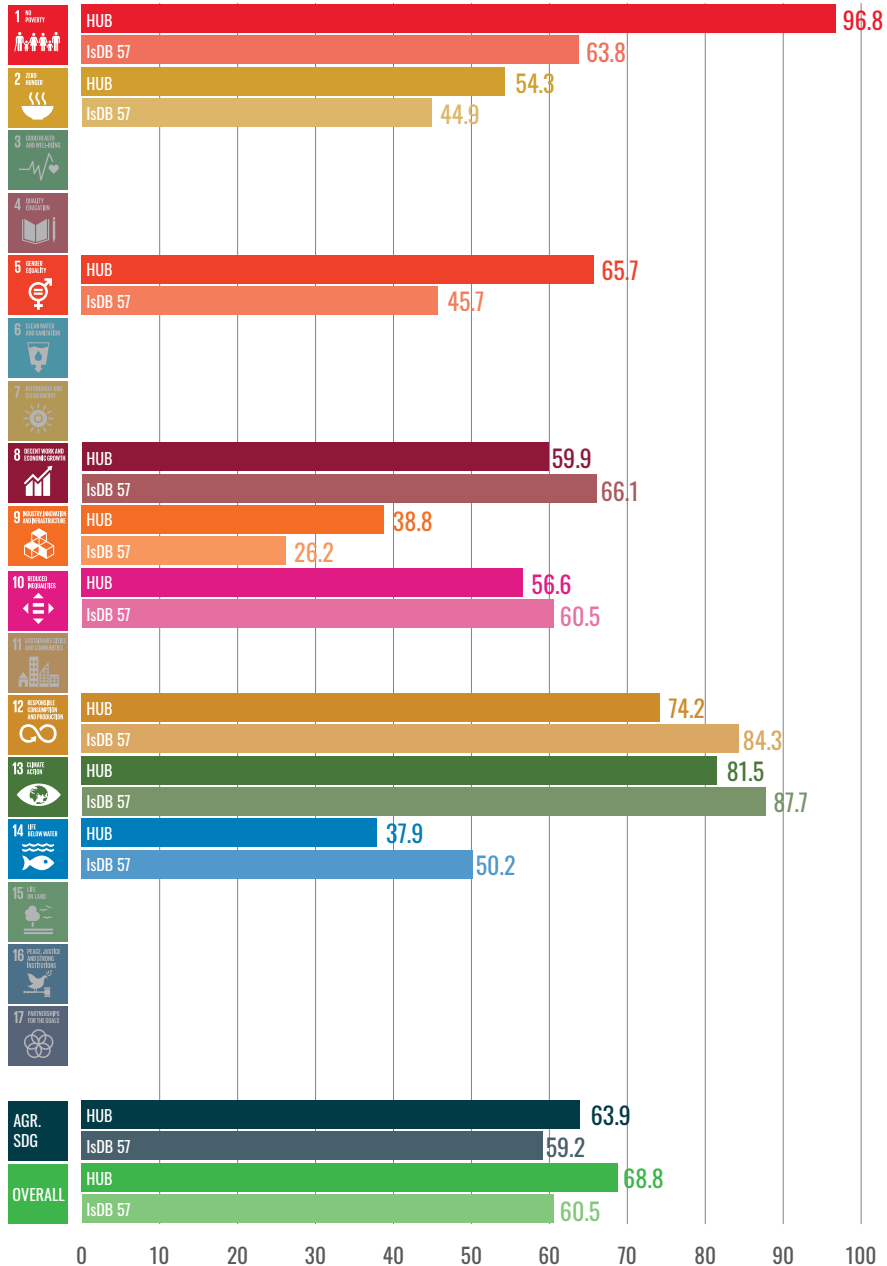
2015-18

IT IS PREDICTED  
THAT AVERAGE ANNUAL  
TEMPERATURES WILL  
INCREASE BY  
**2.5°**  
IF NO MEASURES  
ARE TAKEN



# PROGRESS TOWARDS THE SDGs

## AGRICULTURE-RELATED SDG SCORES | TURKEY HUB vs IsDB 57





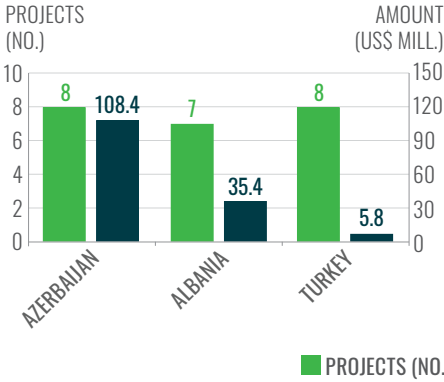
TURKEY  
HUB HAS ACHIEVED THE  
HIGHEST PROGRESS IN NO  
POVERTY (SDG 1) WITH A  
SCORE OF  
**96.8%**

# IsDB FOOTPRINT IN THE REGION

## IsDB AGRICULTURAL FINANCING | 1974-2019

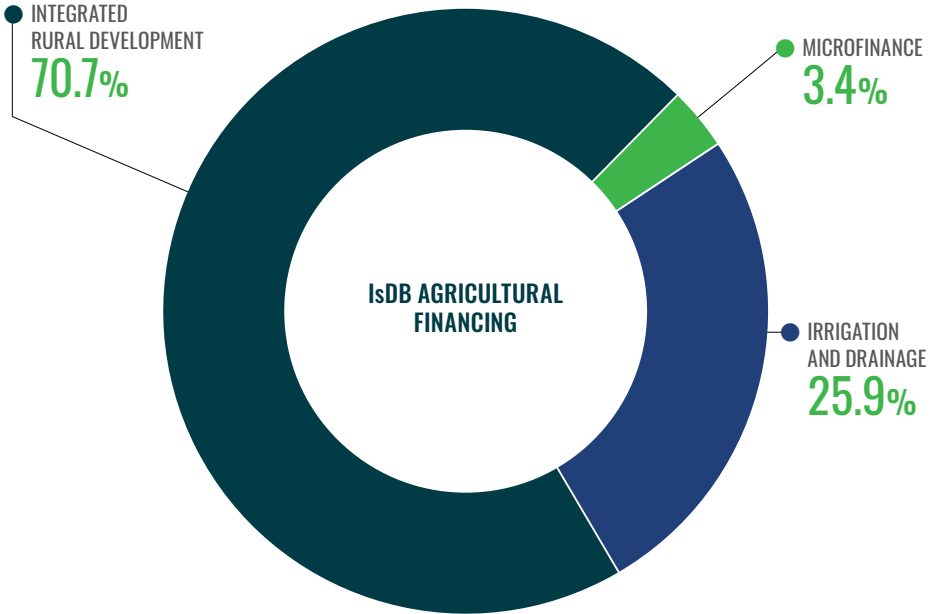
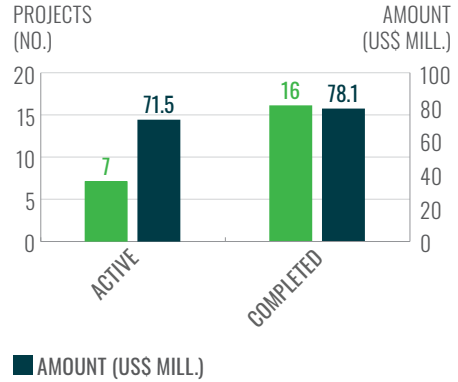
### COUNTRY OPERATIONS

ACTIVE & COMPLETED (PROJECT NO AND US\$)



### REGIONAL HUB OPERATIONS

ACTIVE & COMPLETED (PROJECT NO AND US\$)





**IsDB ONGOING INVESTMENT & KEY EXPECTED OUTPUT IN TURKEY HUB**

**TOTAL PROJECT INVESTMENT:**

**US\$ 66,390M**



CONSTRUCTION OF IRRIGATION AND DRAINAGE CANALS (KM)

**1,698**



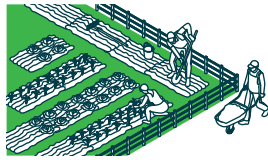
WATER USER ASSOCIATIONS OFFICES CONSTRUCTED (NO)

**17**



GREEN HOUSE BUILT (HA)

**50**



FARMERS TRAINED (NO)

**150**



# 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 has launched the preparation of Turkey MCPS and will prepare Albania and Azerbaijan MCPS in 2022 and are expected to focus on the following thematic areas:



Irrigation and water resources



Institutional capacity development for farmers' organizations



Crop and livestock (including fisheries) production/productivity



Islamic Microfinance



Inclusive value chain development

## 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:

- (i) National Rainfall Index and total water withdrawal, agricultural water withdrawal and industrial water withdrawal as well as temperature change are taken from FAO AQUASTAT ([www.fao.org/nr/water/aquastat/data/query/index.html?lang=en](http://www.fao.org/nr/water/aquastat/data/query/index.html?lang=en))
- (ii) Global Food Security Index is taken from 2018 Global Food Security Index and 2019 Global Food Security Index (<https://foodsecurityindex.eiu.com/>).
- (iii) Global Food Hunger Index Scores from 2000 to 2019 from 2019 Global Hunger Index (<https://www.globalhungerindex.org/download/all.html>).
- (iv) 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.
- (v) Percentage agriculture GDP to total GDP is from the World Bank (<https://data.worldbank.org/>). Agriculture includes agriculture, forestry and fishing.
- (vi) Percentage of agricultural employment to total employment is from the World Bank (<https://data.worldbank.org/>).
- (vii) Percentage of female employment in agriculture to female employment is from the World Bank (<https://data.worldbank.org/>).
- (viii) 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.







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