



Islamic Organization for Food Security
 L'Organisation Islamique pour la Sécurité Alimentaire
 المنظمة الإسلامية للأمن الغذائي

Food Security Insights



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Prevalence of Food Insecurity

World 29.5%, OIC 35.8%

3 = 07 MS

2 = 29 MS

1 = 18 MS

Somalia, Palestine and Brunei

Highest alert to Afghanistan, Nigeria, Somalia, and Yemen - all have populations facing or projected to face starvation.

Extended alert to the Syrian Arab Republic, Sudan, and Pakistan

Afghanistan, Burkina Faso, Mali, Niger, Nigeria, Sierra Leone, Somalia, Sudan, Mozambique, Lebanon and Yemen

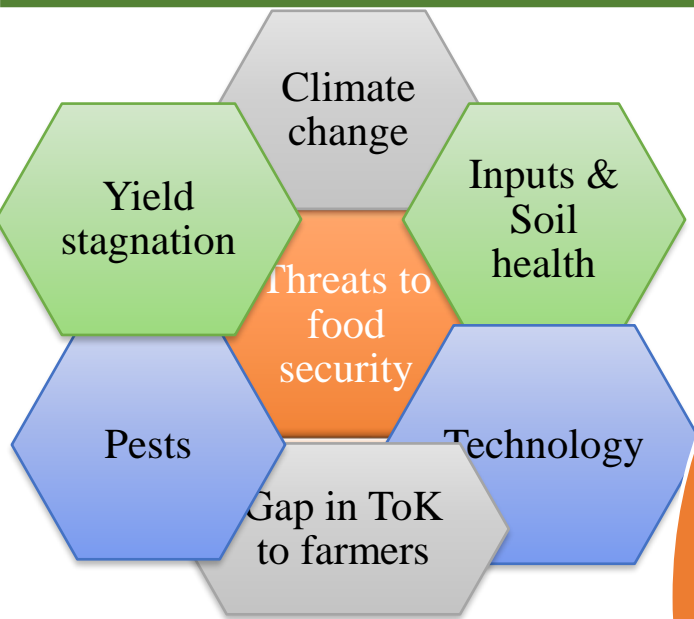
Country	Y2019	Y2020	Country	Y2019	Y2020	Country	Y2019	Y2020
Albania	3	3	United Arab Emirates	2	2	Nigeria	2	1
Kazakhstan	3	3	Côte d'Ivoire	2	2	Mali	1	1
Kuwait	3	3	Benin	2	2	Afghanistan	1	1
Türkiye	3	3	Iran (Islamic Republic of)	2	2	Bangladesh	1	1
Uzbekistan	3	3	Maldives	2	2	Chad	1	1
Bahrain	3	3	Gabon	2	2	Comoros	1	1
Qatar	3	3	Malaysia	2	2	Djibouti	1	1
Algeria	2	2	Mauritania	2	2	Gambia	1	1
Azerbaijan	2	2	Cameroon	2	2	Guinea-Bissau	1	1
Egypt	2	2	Syrian Arab Republic	2	2	Iraq	1	1
Guyana	2	2	Lebanon	2	2	Jordan	1	1
Kyrgyzstan	2	2	Niger	2	2	Mozambique	1	1
Libya	2	2	Burkina Faso	2	2	Senegal	1	1
Morocco	2	2	Guinea	2	2	Sierra Leone	1	1
Oman	2	2	Indonesia	2	2	Suriname	1	1
Saudi Arabia	2	2	Pakistan	2	2	Togo	1	1
Tunisia	2	2	Tajikistan	2	2	Uganda	1	1
Turkmenistan	2	2	Sudan	2	2	Yemen	1	1

3-high food security, 2-marginal food security, 1-low food security

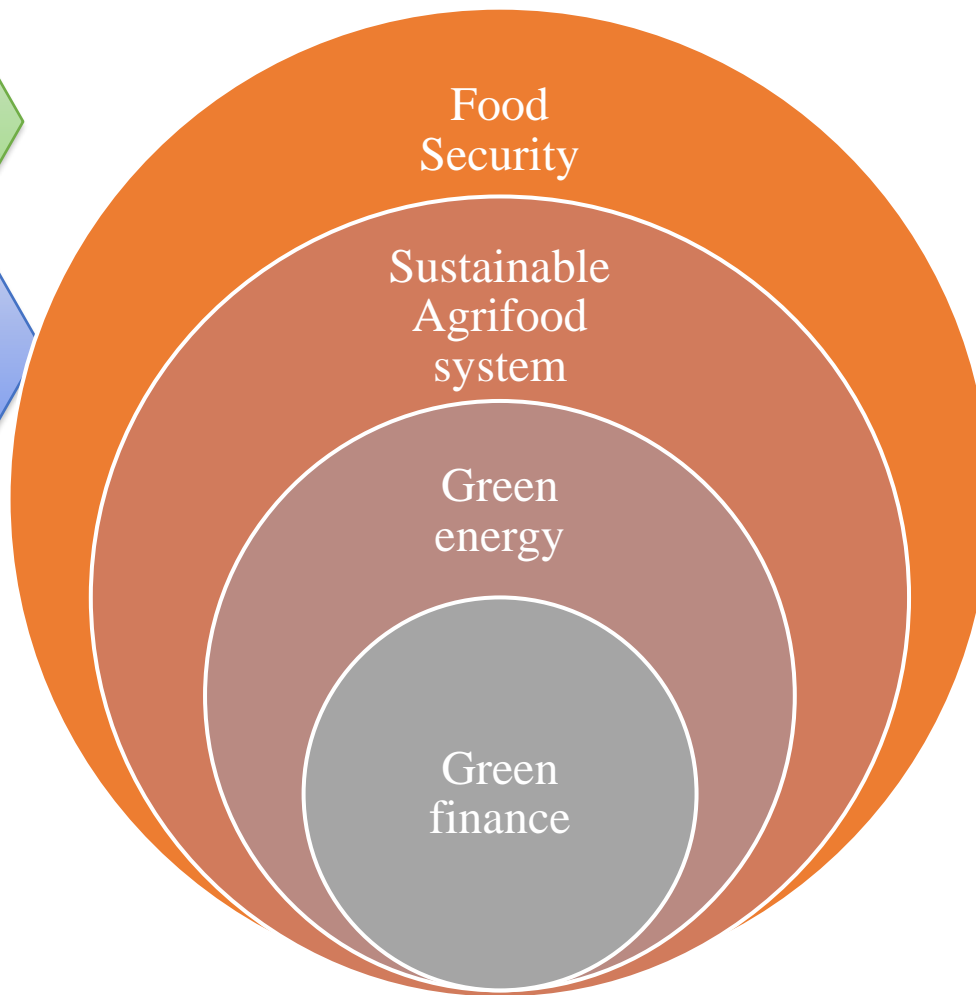


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Approach and focus



Attractive
Productive
Profitable
Internationally competitive



None of SDG can be accomplished without addressing climate change

Address both environmental and societal challenges and work towards a more secure and sustainable food future.



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IOFS Vision

ABOUT IOFS

IOFS is a specialized OIC institution responsible for food security, agricultural and rural development. In December 2013, 19 OIC member countries signed the IOFS statute.
41 Member States, 1 observer country out of 57 OIC states

IOFS MISSION

To ensure sustainable food security in OIC Member States through socio- economic development and systemic promotion of targeted programmes related to agriculture, science and technology, humanitarian aid and food trade within the IOFS/OIC Member States.









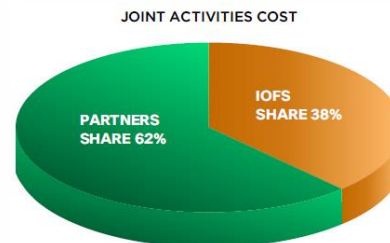
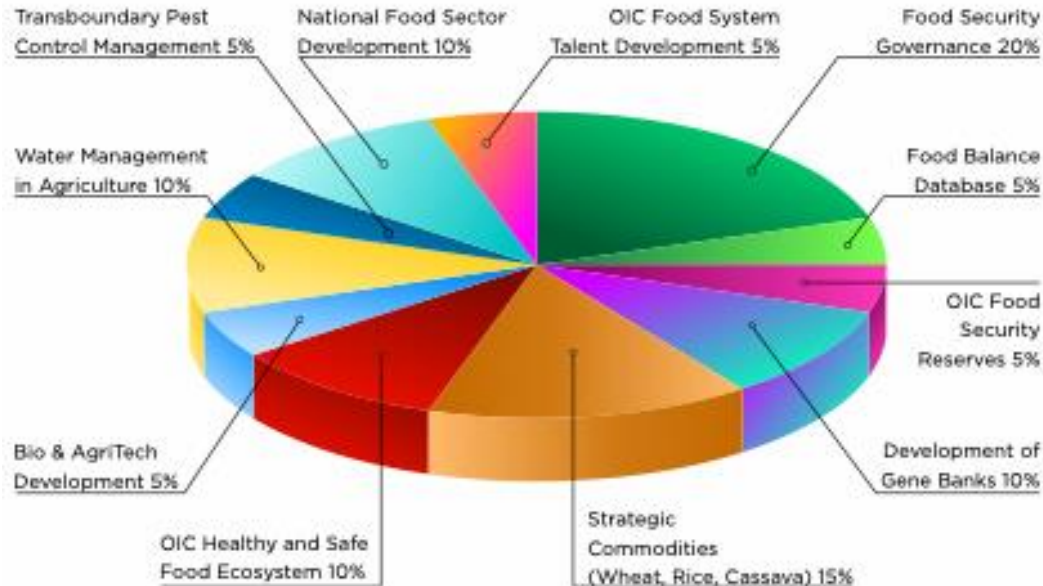
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2022 at a Glance

IOFS celebrated **2022 Year of Africa** 

-  **20 capacity building** workshops organized.
-  **1119 beneficiary** trained.
-  **47 OIC** Member States approached.
-  Partnered with **32 OIC** national and international organizations

PROGRAM-WISE NUMBER OF ACTIVITIES



- The geographical representation from OIC Member States in IOFS activities.



OIC Strategy

Industry Development

- Job Creation
- Entrepreneurship
- Product Development
- Best Practices
- Primary & secondary Processing

MSC (Model support centers)

- Packaging
- Production
- Train the trainer programs
- Smart Climate Agriculture
- Water Management
- Pest Control Management
- Supplies
- Seeds bank
- Agri-Labs services
- Trade routes
- Storages



Capacity building

- Food Relief support
- Livestock Development
- Strategic Commodities
- Silos
- Value Chain

Empowerment

- Agency Collaboration
- Trade Shows
- Gene Bank
- Agri Tech
- Trade Platforms

Intra-Trade

- Food Balance Data
- Food Security Governance
- Access to Trade routes
- Policies and Regulations



Plan

WHEAT

SG1 Top

Pakistan
Kazakhstan
Egypt
Türkiye

SG2 Potential

Mauritania
Tunisia
Niger
Libya

RICE

SG1 Top

Bangladesh
Indonesia
Pakistan
Egypt

SG2 Potential

Chad
Senegal
Uganda

CASSAVA

SG1 Top

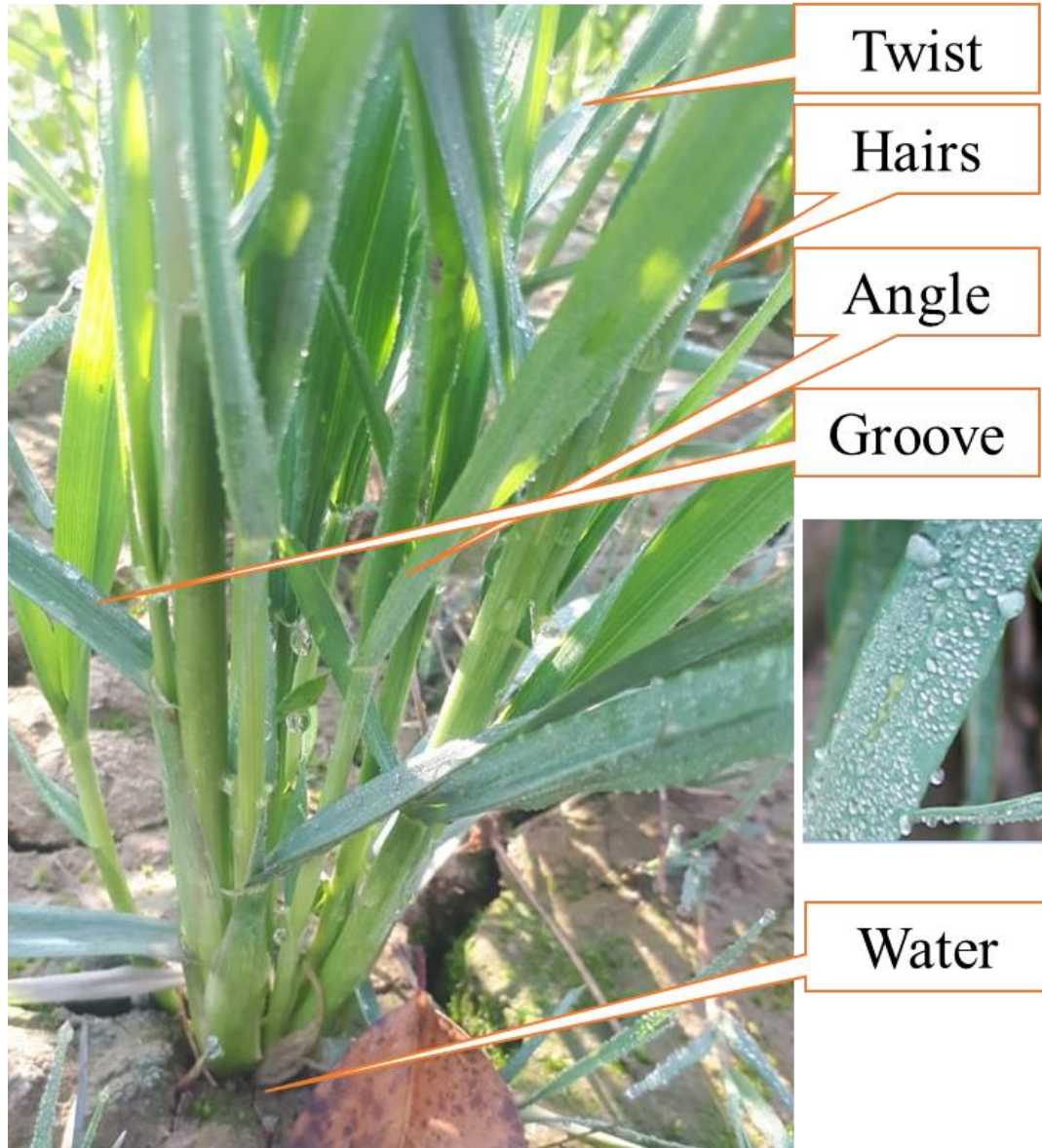
Nigeria
Indonesia

SG2 Potential

Mozambique
Cameroon
Benin



Water: Self-irrigating wheat





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Climate resilience | wheat hybrids



OPV vs its hybrid



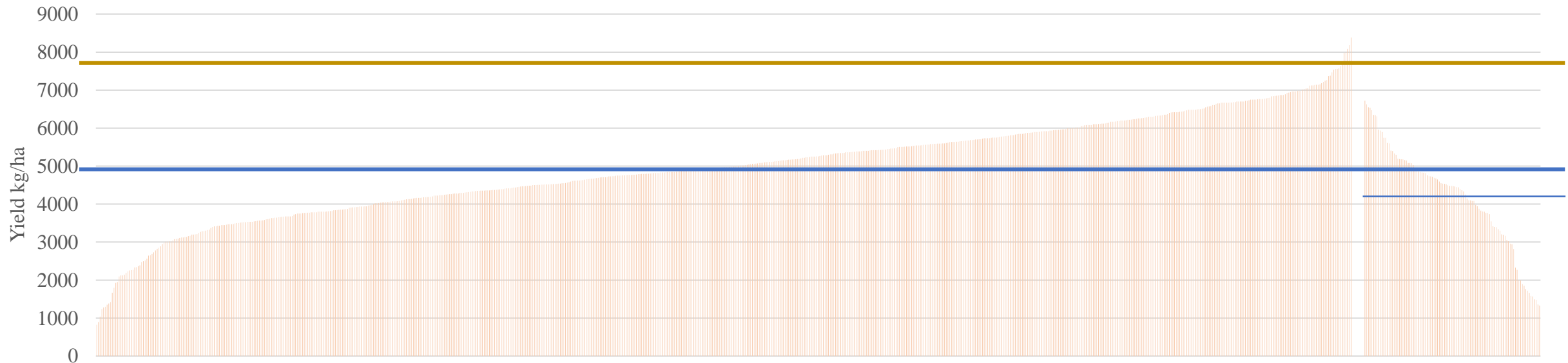
Disease resistant



Early



20-46% ↑ yield





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AgriTechs



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Efficient irrigation system

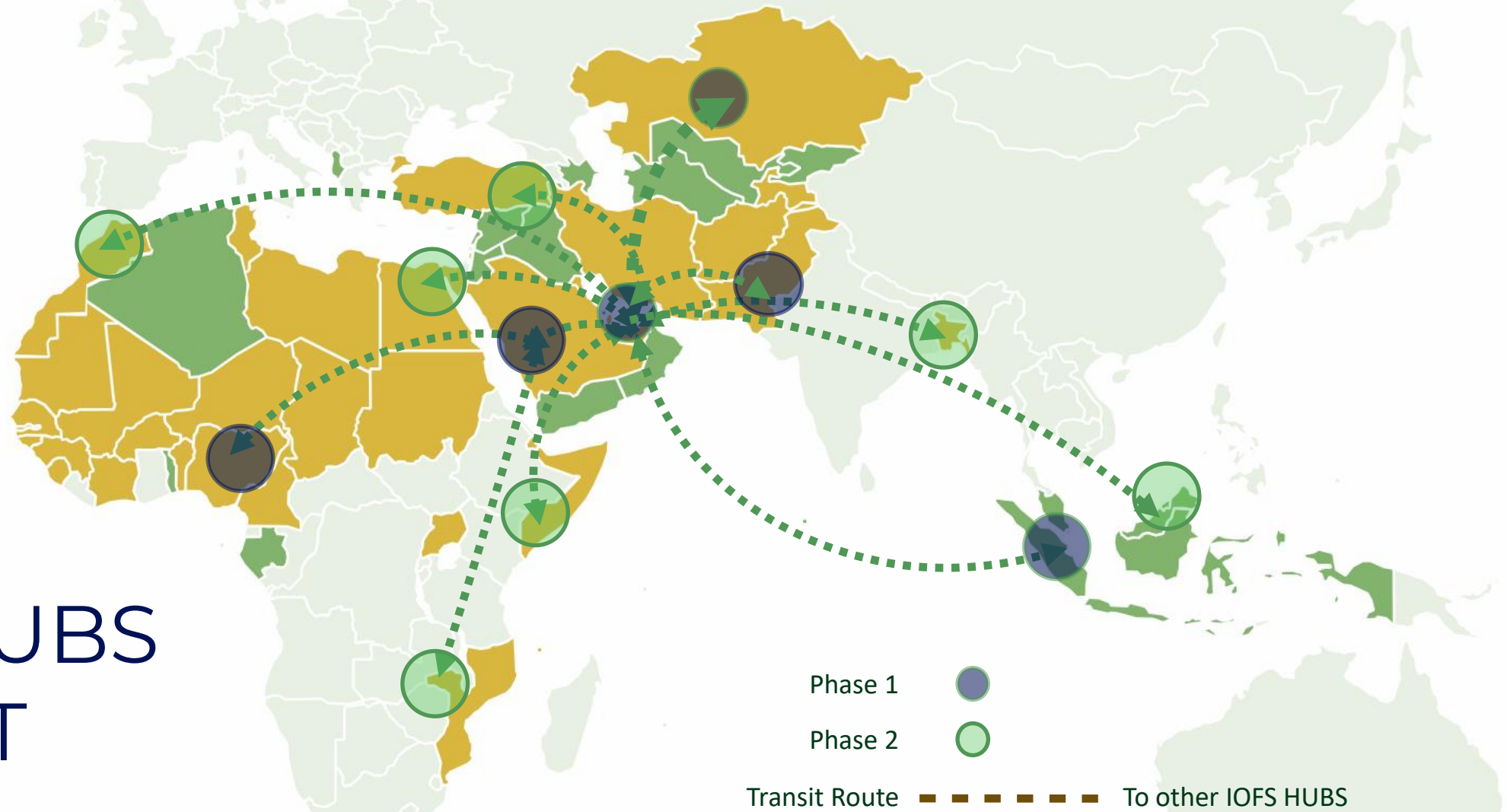
Artificial Intelligence (AI), the Internet of Things (IoT), and e-platforms

Biochar

The Fienile group - producers, researchers and entrepreneurs. Plant photostimulation by light supplementation.

The Distribution Hubs aim to enhance trade within the Organization of Islamic Cooperation (OIC) countries by strategically establishing these hubs in key regions. These hubs will serve as central points for trade activities, promoting smoother intra-trade among member nations. Additionally, they will offer direct global market access to farmers, allowing them to bypass intermediaries and receive the full value for their goods.

FOOD HUBS PROJECT



Technology: Trade57 App (Ai-powered trading platform)

Trade57 - Key Functions

- OIC Intra-Trade
- Surplus & Deficit

THE NEXT BIG THING



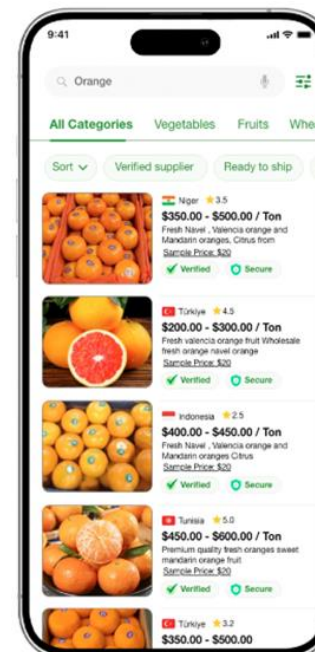
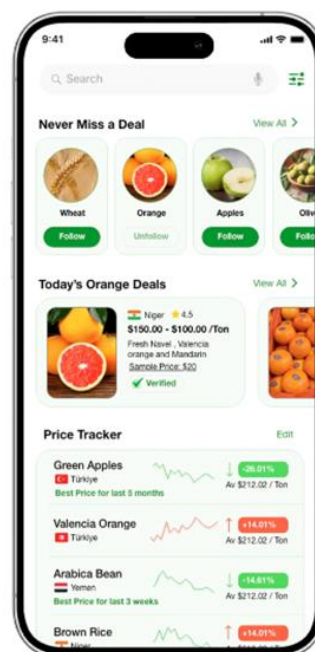
FIRST OF ITS KIND
TRADING PLATFORM

Trade57 - Key Features

- Building Communities
- Multi-Chat
- Embedded Fintech Solutions
- Rent a Technology
- Quote a Contract Farm
- Innovate Your Product
- Consult our Agri Experts
- Ask for a By-Product

Social Goals – Trade57

- Reducing food wastage,
- Enhancing food security
- Facilitate economic growth





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IOFS REGIONAL CLUSTER PROJECTS

WHEAT DEVELOPMENT IN MAURITANIA

INTEGRATED WATER PLAN FOR NIGER AND SAHEL

MEAT HUB WEST AFRICA

SHEEP FARMING DEVELOPMENT

FOOD SUPPLY CHAIN

ESTABLISHMENT OF FOOD BANKS

IOFS CoE FOR GOOD FOOD FARMING

MODEL SUPPORT CENTERS IN PAKISTAN



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OIC / IOFS food security and private sector



1.9 billion
 combined population

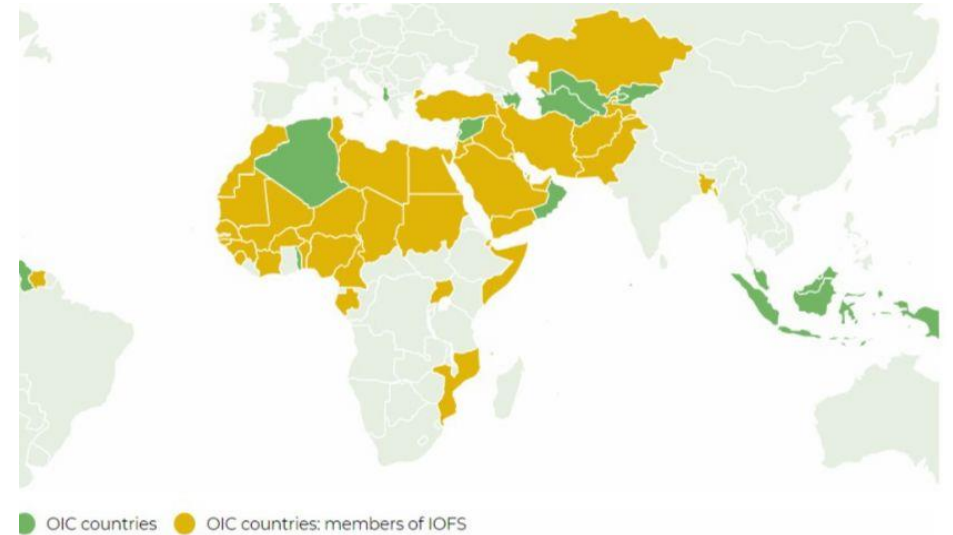
1/5
 of world's
 population

15%
 Global food
 consumption

\$65 billion

OIC net food trade deficit in 2019

none of the top 100 global food companies are OIC based



Domestic food industry

plays a critical role in strengthening food security.

There is a demand for developing the OIC food processing industry

as OIC players have a limited role in fulfilling food demand.

Developing a competitive food processing industry

could provide significant employment and income opportunities.

Improved rural industrialization and decreased post-harvest losses

can benefit rural areas which are dependent on agriculture

Over 6500 leading food companies in the OIC **have strong potential to become global industry leaders and strengthen food security within OIC region**



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Private sector role in food security in Kazakhstan



The private sector plays a crucial role in strengthening food security



43%

Of population lives in rural area

32nd place

In December 2022 per Global food security index, 41st place in 2021

Kazakhstan Vision 2050

- increase food security
- formation of agricultural business
- increase of competitiveness of domestic products in local and foreign markets
- decrease food import dependence

One of the largest grain states in the world and meat producer

- 18 million hectares of sowing area
- 16.6 million tons of grain per year
- 7 million tons of grain export potential
- 2.6 million tons of flour
- 750,000 tons of meat (sheep, cattle, horse, camel, poultry) per year
- 2,5 billion tons of eggs per year
- 500,000 tons of milk per year

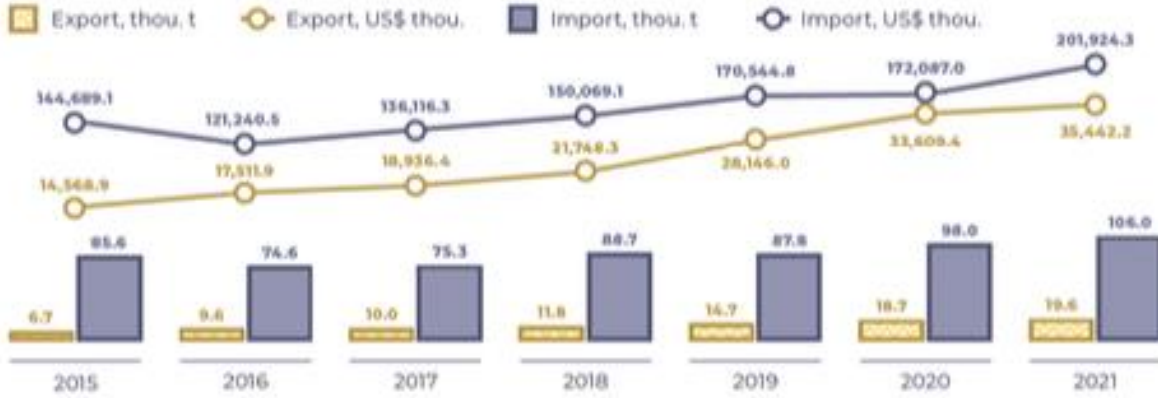
Key directions

-  Investing in projects and technology and financing tools
-  Increase export capacity of value-added products, access to international markets, logistics
-  Private-public partnerships and infrastructure development



Potential in Kazakhstan

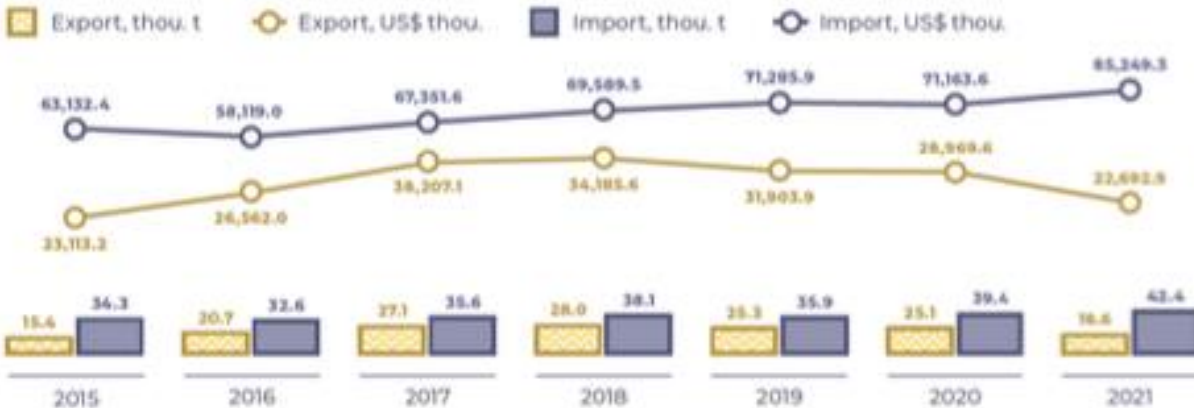
Export / Import of bread products



Export / import of sausage products



Export / Import of confectionery



Export / Import of canned meat





2023 operations in Kazakhstan

#	Activities	Member States	Highlight
3.3	Healthy and Safe Food Ecosystem Program. 07.06.2023 in Astana, Kazakhstan	<ul style="list-style-type: none">• 350 participants 07 MS• Kazakhstan, Pakistan, Oman, KSA, Jordan, Türkiye, Tajikistan	<ul style="list-style-type: none">• International Food Safety Day• Traceability system• Block-chains approach from “gene to fork”
1.1	Monitoring and Forecasting of Food Security, and Food Balance Sheet Management. 14-15.06.2023 (online)	<ul style="list-style-type: none">• 87 participants 23 MS• Bangladesh, Cameroon, Indonesia, Ireland, Kazakhstan, Lebanon, Pakistan, Qatar, Türkiye, and UAE	<ul style="list-style-type: none">• Methodology for food balance sheet maintenance• Country-specific experiences• International practices
4.2	Curriculum on Food Security Program. 21-22.06.2023 in Astana, Kazakhstan.	<ul style="list-style-type: none">• 35 participants• Bangladesh, Cameroon, Ireland, Kazakhstan, Lebanon, Pakistan, Qatar, Türkiye, Uganda and UAE	<ul style="list-style-type: none">• Raising awareness and building capacity• Community engagement for Food security education International collaboration.



2023 operations in Kazakhstan

#	Activities	Member States	Highlight
5.1	Sukuk for Investments in Agriculture 22.06.2023 in Astana, Kazakhstan	<ul style="list-style-type: none">• Kazakhstan	<ul style="list-style-type: none">• Aspects of Sukuk and its relevance to the agri. sector
3.4	2 nd International Forum for Agri-Biotechnology. 4-5.07.2023 in Astana Kazakhstan	<ul style="list-style-type: none">• 200 participants from 15 MS• Bangladesh, Egypt, Jordan, Kazakhstan, KSA, Pakistan, Malaysia, Morocco, Niger, Nigeria, Tajikistan, Tunisia, Turkiye, USA, AU-IBAR, and ILRI	<ul style="list-style-type: none">• Biotech solutions for climate resilience and food security• Need to design a policy for genome-edited food commodities• Deploying New breeding tools for new seeds• Microbes for biofertilizer and biopesticides, vaccines and functional foods



Engaging with IOFS

Multilateral platform and may be used as tool to;

- 1. Attract investment**
- 2. Access technologies**
- 3. Access market**
- 4. Scaling –up technologies in MS**
- 5. Green jobs and entrepreneurship**
- 6. Links and agreements**



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THANK YOU

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