



المنظمة الإسلامية للأمن الغذائي

Islamic Organisation for Food Security

l'Organisation Islamique pour la Sécurité Alimentaire

Promoting a Resilient Agriculture Sector against Climate Change in OIC Member Countries

September, 2026

Situation of Food Security in OIC Countries



350 MILLION

people across OIC countries face food insecurity



2X+

Fertilizer prices in some regions have more than doubled since 2021



30%

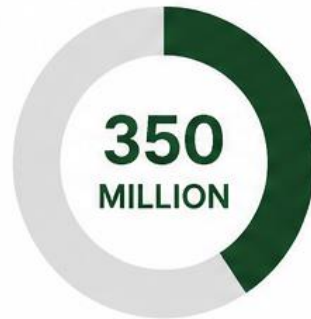
Increase in import costs in several OIC Member States due to conflicts and supply chain disruptions



2.5 BILLION

OIC population projected by 2050

FOOD INSECURITY IN OIC COUNTRIES

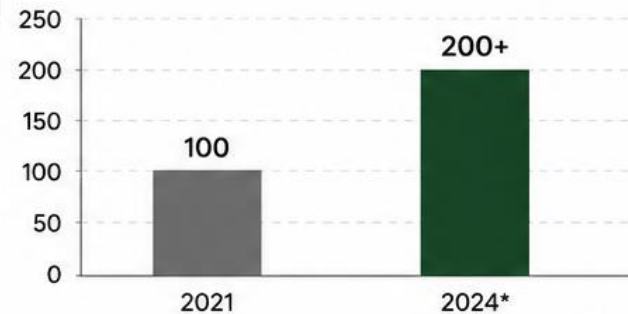


People across OIC countries are currently facing food insecurity

Source: FAO, 2023

RISING INPUT COSTS

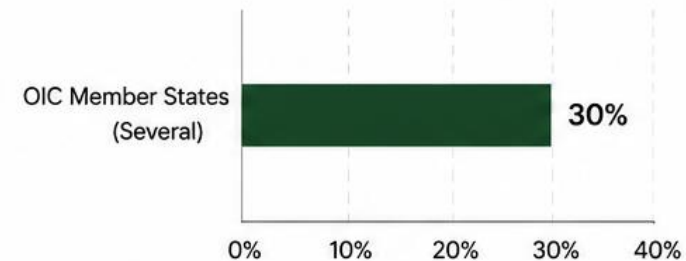
Fertilizer Price Index (Base Year 2021 = 100)



Prices in some regions have more than doubled since 2021

RISING IMPORT COSTS

Increase in Import Costs



Due to conflicts and supply chain disruptions



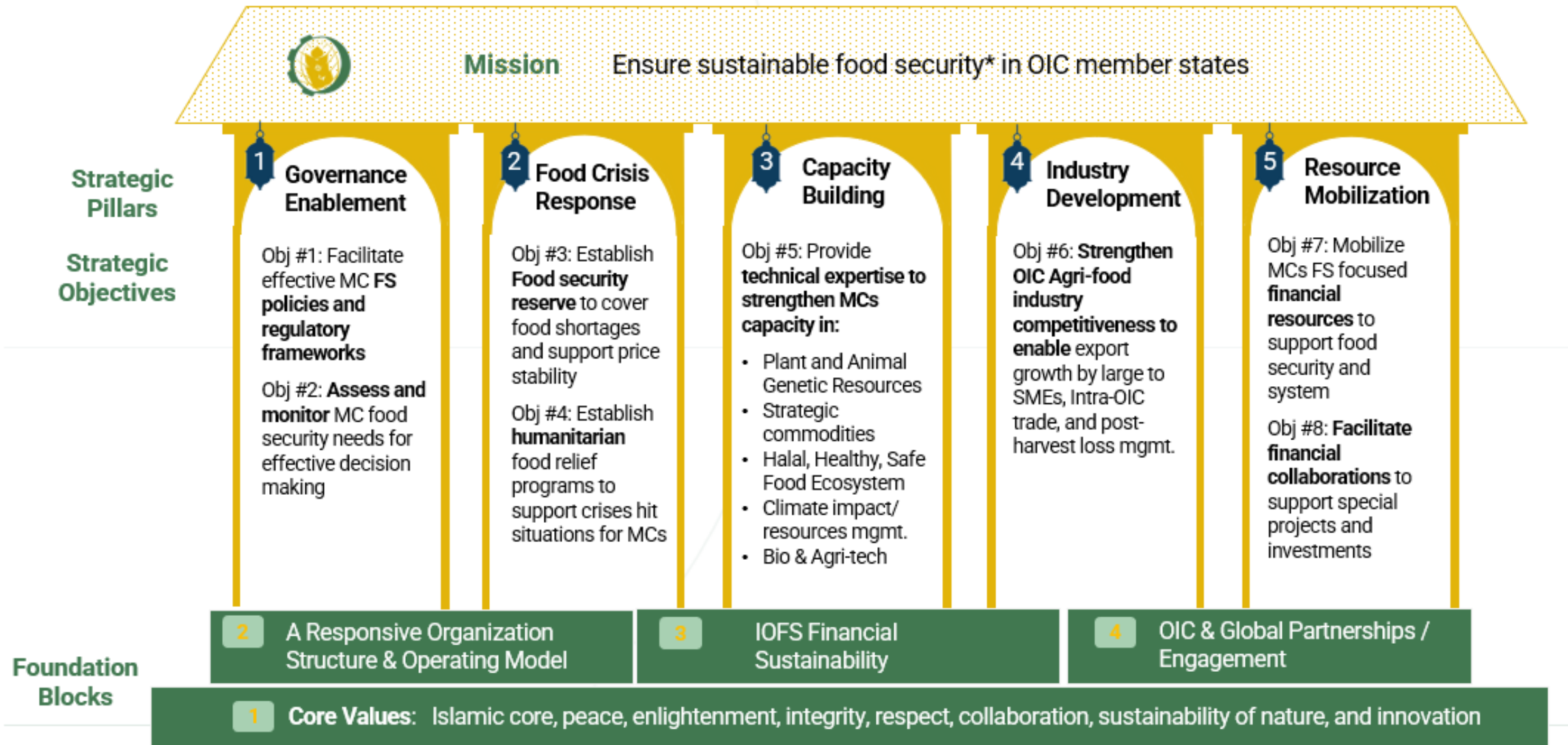
60%

Increase in food production needed by 2050 to meet future demand



These figures serve as a stark reminder:
**our mission is urgent,
and our solidarity is indispensable.**

IOFS Strategic Vision 2031



How IOFS Structures Its Climate Work

LEVEL 1: GOAL & VISION

The main reference point for IOFS climate work is Strategic Vision 2031, which aims to build sustainable and resilient agri-food systems across OIC Member States.

The core focus is to protect food production and rural livelihoods from drought, water scarcity, land degradation and other climate-related risks.

Sustainable, climate-resilient agri-food systems in OIC Member States

VISION 2031

VALUE ADDED

Stronger Institutions

policy alignment and capacity

Technology Adoption

digital tools and resilient varieties

Regional Cooperation

South–South knowledge transfer

Scalable Projects

from pilots to investment

LEVEL 2: FIVE WORKSTREAMS

- 1 **1. Climate-Smart Agriculture**
CSA, AI, IoT, precision farming and soil restoration.
- 2 **2. Water & Natural Resources**
Efficient irrigation, digital water management and the Water–Food–Ecosystem Nexus.
- 3 **3. Resilient Crops & Genetic Resources**
Climate-resilient wheat/rice, germplasm exchange and International Genebank.
- 4 **4. Livestock & Pest Resilience**
Climate-smart livestock breeding, One Health and transboundary pest early warning.
- 5 **5. Policy, Partnerships & Finance**
Policy alignment, capacity building, South–South cooperation and climate finance.

LEVEL 3: DELIVERY MODEL

Implementation is organized as a structured cycle that turns Member State needs into practical solutions and scalable results.

**ASSESS → IDENTIFY SOLUTION →
CAPACITY BUILD**

**PILOT → MOBILIZE PARTNERS & FINANCE →
SCALE UP**

Water Management in Agriculture



29

Member States

337

Beneficiaries

6

Organized Activities

1

Project for
implementation

2023 ● Cairo Water Week side-event on Water Policy and Innovations

- Organized with INWRDAM in Cairo, Egypt.
- Roundtable discussions on OIC water challenges and solutions

● Participation of IOFS at Annual International Water Conferences

- OIC Water Ministerial Conference; Cairo Water Week; World Water Congress; others.
- Advocacy for water efficiency, technology transfer, partnerships, and experience exchange

2024

● Arab Water Management Summit, Rabat, Morocco with Water Ministry of Morocco

- Organized with Morocco's Water Ministry, UfM.
- Addressing Arab water scarcity and climate resilience

2025 ● Training Program on Digital Water Channel Management

- Organized jointly with Kazakhstan's Water Ministry, GIZ, IWMI.
- Canal automation and smart water transfer solutions. IoT, GIS technologies.

● Kazakhstan Experts Study Visit to Turkiye

- Organized jointly with Türkiye's State Hydraulic Works (DSİ).
- Regional experts observed real-time canal automation and smart water management systems.

● Regional Training on Water Governance and Digitalisation

- Organized jointly with IsDB, Kazakhstan's Water Ministry in Astana.
- Demonstration of Digital Water Platforms of SUTEM (Turkiye), SRBISA (Uzbekistan)
- Designed Project Reverse Linkage between Kazakhstan and Turkiye



Climate-Smart Agriculture in Practice

IOFS is translating innovation into research, training, and field application.

48

Member States

944

Beneficiaries

17

Organized Activities

2

Implemented Projects

Key Regional Actions (2024–2026)

2024		Feb Mauritania	AI-powered precision agriculture for water management, irrigation, and food security
		Feb Pakistan	Emerging technologies for crop improvement, climate-adaptive breeding, and biofortification
		Aug Kazakhstan	Biochar for sustainable farming, soil regeneration, and climate resilience
		Sept Kazakhstan	Smart Agriculture & IoT-driven intelligent farming systems
		Nov–Dec Baku & Riyadh	COP29 / COP16 global advocacy for climate-smart agriculture, biodiversity, and resilient food systems
2025		Feb Maldives	Climate-resilient agriculture, fisheries, and island food security systems
		Apr Türkiye	Digital and climate-smart agriculture for Mediterranean farming systems
		Sept Kazakhstan	Regional IoT & Biochar deployment with practical field manuals
2026		Feb Iraq	National CSA policy, soil health, and desertification response framework



ESTABLISHMENT OF IOFS INTERNATIONAL GENE BANK IN KAZAKHSTAN



**STRENGTHENS
FOOD SECURITY**



**CONSERVES
AGRICULTURAL
BIODIVERSITY**



**SUPPORTS
CLIMATE RESILIENCE**

Strategic Commodities: From Research to Field Implementation



Rice Mechanization

Launched in Guinea-Bissau in August 2025 in partnership with the Ministry of Agriculture and Rural Development of the Republic of Guinea-Bissau



Wheat Germplasm Exchange

Wheat Germplasm Exchange, facilitating the sharing of resilient varieties among 11 Member States



Niger

Process Mapping

STRATEGIC PLAN FOR FOOD SECURITY in the OIC Member States

-  IOFS, IsDB, and SESRIC jointly developed the Strategic Plan for Ensuring Food Security in OIC Member States
-  Prepared under the mandate of the 49th OIC Council of Foreign Ministers (Nouakchott, March 2023)
-  Officially presented at the 9th OIC Ministerial Conference on Food Security and Agricultural Development (Doha, October 2023)
-  Currently under consultation with OIC Member States
-  Planned for final approval at the 10th MCFsAD in 2026





AAA



ASSOCIATION OF AGRICULTURE ACADEMIES

Science. Innovation. Collaboration.
Stronger Together for Food Security.

OUR MISSION

To build stronger scientific and institutional linkages among leading agrarian research centers across the OIC region.



IOFS

Driving collective action
for food security

ABOUT AAA

AAA is a platform under the IOFS to bring together national agriculture academies and leading agrarian research institutions across the OIC region to address common challenges, advance agricultural science, and contribute to food security and sustainable development.



Scientific
Excellence



Institutional
Linkages



Regional
Impact



CONNECT

Unite agriculture academies and research institutions across the OIC region.



ADVANCE

Promote cutting-edge research and innovation to address agricultural challenges.



COLLABORATE

Foster collaboration and knowledge exchange on shared priorities.



BUILD CAPACITY

Strengthen the skills and capabilities of researchers and institutions.



PROMOTE IMPACT

Generate science-based solutions for food security, resilience and sustainable development.



INSPIRE FUTURE

Nurture the next generation of agrarian scientists and leaders.

IOFS Strengthening Women's Role in Agriculture



WADI WOMEN'S AGRICULTURE DEVELOPMENT INITIATIVE

An initiative of the
ISLAMIC ORGANIZATION FOR FOOD SECURITY (IOFS)

WADI is an initiative of the Islamic Organization for Food Security (IOFS) aimed at **empowering women in agriculture** through **inclusive** and **climate-resilient** agri-food value chains, enhanced access to resources, capacity building, financing opportunities, and market linkages across OIC Member States.



OIC
MEMBER
STATES



EMPOWERING WOMEN IN AGRICULTURE

Promoting women's leadership and meaningful participation in the agri-food sector.



INCLUSIVE & CLIMATE-RESILIENT VALUE CHAINS

Building sustainable and climate-resilient agri-food value chains that leave no one behind.



ENHANCED ACCESS TO RESOURCES

Improving access to land, inputs, technology and other essential resources for women.



CAPACITY BUILDING

Strengthening knowledge, skills and technical capacities for women in agriculture.



FINANCING OPPORTUNITIES

Facilitating access to finance and investment to grow women-led agri-enterprises.



MARKET LINKAGES

Connecting women producers to markets and value chain opportunities.



Driving **inclusive growth**, **food security** and **resilience** across OIC Member States.



CASSAVA VALUE CHAIN ASSESSMENT, 2025

A STUDY THROUGH A GENDER LENS

This assessment explores the cassava value chain in Nigeria and Sierra Leone through a gender lens, highlighting women's participation, access to resources, productivity, and ownership across key dimensions to inform inclusive policies and targeted interventions.

NIGERIA

207
Respondents
(75.8% Women)

World's Largest
Cassava Producer

80-90% Farmers
on Rented Land

Yields: 13-16
tonnes/hectare

76.8%
Sole Proprietorships

29.6%
Cooperatives

SIERRA LEONE

665
Respondents
(65% Women)

5.4 Million
Hectares Fertile Land

Only 15%
Land Cultivated

32.0%
Sole Proprietorships

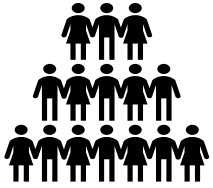
29.6%
Cooperatives

29.6%
Cooperatives



Research by: [Author Names] | Evidence for inclusive policy, empowering women, and strengthening cassava value chains. | Date: [Date]

Humanitarian Activities



In 2022–2025: 133,000 people in need were assisted.

2022-2023

- **Afghanistan:** Water filtration plants → 70,000 person per days
- **Afghanistan:** 335 tons of emergency food assistance → 22,200 people
- **Syria:** 50 tones canned food, winter tents, clothes, bedding ≈ 15,000 people



2024-2025

Palestine, Gaza: 14,000 beneficiaries

Humanitarian assistance for vulnerable populations in Gaza with the support of OIC Member States and humanitarian partners.



Afghanistan: 3 humanitarian projects implemented in cooperation with TiKA

- 1,000 households supported
- Distribution of certified seeds, fertilizers, and agricultural equipment, combined with farmer training on sustainable farming and post-harvest management.



IOFS–COMCEC Implemented Projects

01

Sept 2024

EGYPT: Organic Fertilizers & Climate-Smart Agriculture



COMCEC Project 2023-BENAGRIC-104

Building Benin's capacity to produce enriched organic fertilizers

Technical study visit hosted by Egypt's Ministry of Agriculture and Land Reclamation; participation of experts from Benin and Nigeria; focus on organic fertilizers, soil health and climate-smart agriculture.

BENIN

NIGERIA

EGYPT

02

Nov 2024

03

Nov 2025

MOROCCO: Efficient Water Management & Climate-Resilient Market Gardening



Agadir, Morocco

Efficient Water Management and Climate-Resilient Market Gardening Practices

IOFS coordinated participation, linked the activity with co-financing and national expertise, and supported knowledge transfer between Benin and Morocco in practical water-saving farming approaches.

BENIN

MOROCCO

IOFS CONTRIBUTION

co-finance • partner coordination • technical facilitation • follow-up

COMCEC ADDED VALUE

South–South cooperation • practical exposure • adaptation to national needs

IOFS Proposed Projects



1 Community Revolving Fund for Farmers' Inputs

Benin-based revolving fund to improve timely access to seeds, fertilizers and tools, while strengthening local ownership and sustainability.

2 AI Monitoring & Early Warning Prototype

AI, satellite imagery, weather and agro-climatic data to monitor crops and warn on drought, heat, pests, water stress and food security risks.

3 Strengthening Intra-OIC Agricultural Trade

Study tariff and non-tariff barriers, logistics, standards and market access constraints, and propose practical measures to enhance food trade.

4 Agricultural Labour Mobility & Food Security

Assess labour shortages and migration corridors, and their implications for production, remittances and household food access.

5 Regional PPR Strategy Implementation Support

Translate the validated PPR strategy into national priorities and a costed regional project on surveillance, diagnostics, vaccination and cross-border coordination.

6 Women in Climate-Resilient Agrifood Systems

Build on WADI to identify constraints facing women farmers and agribusinesses, and design interventions in skills, services, resources and markets.

7 Food Security Innovation Exchange & Adoption

Pilot a knowledge-sharing mechanism to document agricultural solutions, facilitate peer learning and connect institutions for testing and adoption.

8 Afghanistan Agricultural Project Preparation

Develop a prioritised portfolio of agricultural and livelihood projects with results frameworks, budgets and implementation arrangements.

Thank you for you Kind Attention

شكرا على حسن الانتباه
