



MEMBERS MEETING Quarterly Meeting

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Welcome, Abdullah Alraddidi, **MEWA**



SAFTA Secretariat

OVERVIEW OF THE SAUDI AGRIFOOD TECH ALLIANCE

Mission

The Saudi AgriFood Tech Alliance seeks to **unite and mobilize** a complementary network of food & agriculture stakeholders by strengthening coordination and collaboration amongst members to **catalyze the national-scale deployment of AgriFood technologies**



INTRODUCTION OF THE WORKING GROUPS



WORKING GROUPS SCOPE OF WORK



WORKING GROUPS FORMATION



ROLES AND RESPONSIBILITIES

- Facilitate WG formation & management
- Provide administrative and logistical support
- Coordinate communication & collaboration among members
- Engage external stakeholders for technical support as required
- Provide guidance and oversight
- Support with resources and expertise as required



- Define objectives, milestones & timelines
- Lead meetings, set agendas & guide discussions
- Primary liaison between the WG & the Secretariat

- Contribute expertise and insights
- Active participation in meetings and decision-making processes
- Support the WG lead and agreed initiatives





Shape Regulatory Framework & Influence Policies



Accelerate Technology Adoption & Deployment



Drive Industry Change



Knowledge & Insights Sharing



Collaboration & Networking Opportunities

WE ARE CURRENTLY ESTABLISHING THE FIRST WORKING GROUPS LED BY THE ALLIANCE CO-FOUNDERS



Gene-edited Crops, Woody Ang,

Topian, Director of Ecosystems



ALLIANCE INITIATIVES



Topian, the neom food company is actively involved in various initiatives in support of the alliance's ecosystem building

- Strategic Partnership with Estidamah on the National Research and Development Center for Sustainable Agriculture in developing a Greenhouse Production and Business Management Joint Training Program (*more details on next slide*).
- Active supporter of the Red Palm Weevil Biotechnology Consortium currently running trials in parallel independently with AKSens (KAUST) @ a farm in the NEOM Region
- Initiation and support of gene-editing / new genomic techniques (NGT) in agriculture commercial agriculture to improve yields and consumer benefits working with alliance on Working Group kick-off



Greenhouse Production and Business Management Joint Training Program









This is a **4-week program** developed collaboratively with *The National Research and Development Center for Sustainable Agriculture (Estidamah), Dutch Greenhouse Delta (DGD)*, and *Horti Synergy*.

Tracks

Trainee and Fresh Graduate

Equip future managers and growers with t

- Equip future managers and growers with the knowledge and skills necessary to effectively produce food in greenhouses.
- > Practical and hands-on training

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Train the Trainer

- Equip future trainers with the knowledge and skills to effectively deliver greenhouse management training to a diverse audience.
- Build a pool of qualified trainers to empower individuals and organizations to establish and maintain successful greenhouse operations

3

Private Sector

- Exchange knowledge amount expertise toward building a more sustainable agricultural future.
- Contributing to the program outcomes by potential internship offering

Participant

Objective

25 Trainees

10 Trainers

45 Participants

Schedule

Sunday – Wednesday*

Sunday – Wednesday* (Thursday optional)

Every Thursday (except October 24th)

Topics

Plant Physiology	Agricultural Data	Value-Chain	Integrated Pest
	Analysis	Development	Management
Greenhouse Business Management	Vertical Farming	Substrate and Irrigation Management	Plant Nutrition

Value-Chain Development

Maximizing Crop Yield and Health

Climate Control Principles for Effective Production



^{*} A minimum attendance of 80% is required for successful program completion and the subsequent award of a certificate. Absences exceeding 3 days (20%) will result in an incomplete program status, rendering the participant ineligible to receive a certificate

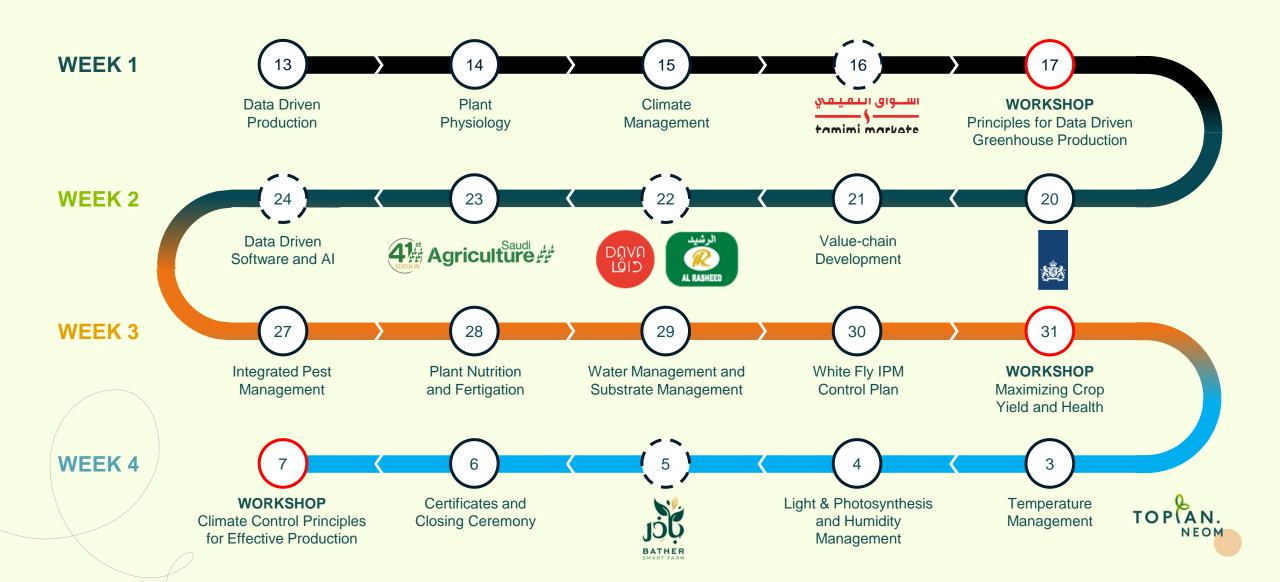
GREENHOUSE PRODUCTION & BUSINESS MANAGEMENT PROGRAM

PROGRAM TIMELINE









Template for Working Group Leads

Title: Commercial Application of Gene-Edited Crops in KSA

Focus Area

Defining a unique regulatory classification to enable gene-edited crops to be deployed for commercial growing in KSA to support more resilient agriculture production.

Background/Rational

To position KSA as a regional champion of adopting biotechnology in agriculture applications as part of KSA's National Biotechnology Strategy, and also contribute to a more robust in-country production ecosystem for national food security.

Lead Proposed Participants

Topian, the NEOM Food Company

MEWA SFDA Buthor (National Seed Center) Estidamah Biodiversity Council Representatives Key KSA Research and Academic Universities

Key Objectives

To establish a clear regulatory procedure and process for gene-edited crops to gain regulatory approval for commercial use in KSA.

Activities

- Identify clear scientific classification for acceptable biotechnology techniques to be recognized in KSA
- Identify clear classifications separated from broad GMO classifications.
- Identify a process for approvals that could be trialed using KSA's existing research and commercial ecosystem.
- Identify potential champions that could pioneer trials for approval.

Expected Outcomes

- A scientific recommendation for acceptable biotechnology techniques based on the latest scientific developments.
- A scientific classification of gene-edited crops that distinctively differentiates from GMOs and LMOs that can be regulated.
- Lab trials as a communication and awareness activity for regulatory considerations

Support from Secretariat

Logistical Assistance:

Facilitate coordination of meetings, workshops

Regulatory Insights & Updates:

Access to any insights into ongoing trials or tests being conducted around the world. Updates on regulatory progress being made by other developed nations in permitting gene-editing as part of proactive measures that KSA could learn from.

Partnerships and Collaborations:

Assist in forming strategic partnerships with national and international stakeholders.

Cold Chain, Mark Hull,

SAFTA, Secretariat





Saudi AgriFood Tech Alliance Working Groups

Post-Harvest Traceability and Cold-Chain quality of Seafood Products

October 2024

Template for Working Group Leads

Title: Cold-Chain and Traceability of Seafood Products

Focus Area

To establish a dedicated Working Group within the Saudi AgriFood Alliance focused on enhancing the post-harvest and traceability and cold-chain of seafood products in Saudi Arabia. This initiative aims to improve food safety, quality, shelf life, reduce waste, and increase consumer confidence in seafood sourcing.

Background/ Rational

Saudi Arabia's seafood sector faces challenges related to maintaining optimal cold-chain conditions and ensuring the traceability of products from ocean to table. Inefficient cold-chain practices can lead to spoilage, impacting quality and safety. Additionally, a lack of traceability hinders accountability and transparency in the supply chain.

KAUST

Lead

- Seafood Producers and Suppliers: Fisheries Representatives / Aquaculture Operators
 - Cold-Chain Logistics Providers: Transport Companies / Storage Facilities
- Government Representatives: Ministry of Environment, Water, and Agriculture (MEWA) / Food Safety Authority Representatives
- Academic and Research Institutions: Food Technology Experts / Universities
- Technology Providers: Blockchain Experts

- Proposed Participants
 - Industry Associations and NGOs: Seafood Industry Associations / Environmental NGOs
 - Retail and Distribution Representatives: Supermarket Chains / Wholesale Distributors
 - Consumers and Advocacy Groups: Consumer Advocacy Groups
 - Certification Bodies: Third-Party Certifiers

Key Objectives

- Traceability Framework Development
- · Cold-Chain Assessment.
- Technology Integration
- Training and Capacity Building
- Stakeholder Engagement

Activities

- Cold-Chain Assessment and Analysis: Conduct Site Visits, Benchmarking Study
- Development of Traceability Framework: Framework Design Workshops, Pilot Projects
- Technology Exploration and Integration: Tech Showcase Events, Collaboration with Tech Providers
- Best Practices Sharing and Capacity Building: Training Programs, Resource Development
- Stakeholder Engagement and Networking: Roundtable Discussions, Industry Conferences
- Policy Advocacy and Development: Policy Briefs, Engagement with Policymakers
- Monitoring and Evaluation: Performance Metrics Development, Regular Reporting
- Community Outreach and Awareness: Public Awareness Campaigns, Collaboration with NGOs

Expected Outcomes

- Enhanced traceability systems that provide consumers with confidence in seafood sourcing.
- Improved cold-chain practices leading to reduced spoilage and increased product quality.
- Policy recommendations that support sustainable seafood practices in Saudi Arabia.

Support from Secretariat

- Networking Facilitation: Stakeholder Connections and Partnership Development
- Capacity Building: Training Organization and Development of Educational Materials
- Monitoring and Reporting: Progress Tracking, Compile quarterly reports summarizing achievements, challenges, and recommendations for future activities to be presented to the Steering Committee.
- Policy Advocacy Support Policy Research and Assist in drafting policy briefs and recommendations based on the findings of the Working Group.
- Communication and Promote the Working Group's activities and successes through the Alliance's communication channels, including newsletters and social media.

COP16 activity, Layla Ali,

Gulf Research Center, Researcher











ADF at a Glance

Funding for Agri Projects in KSA

Funding for Agri Projects Outside KSA

The Agricultural Development Fund (ADF) of the Kingdom of Saudi Arabia at a Glance...





Established in 1963 by Royal Decree number 58.

Mandate is to provide credit solutions to individuals, Cooperatives, and Companies operating in the Saudi Agricultural sector.

The Fund supports the sustainable development of the Kingdom's Agri sector, food security, and resource conservation objectives.

Main Objectives



Finance the agriculture sector



Promote sustainable agricultural rural development



Encourage the use of modern technologies



Improve customers' experience and offer bestin-class services

ADF Snapshot



Employees

1664



Service centers in the Kingdom

64



Capital

SR 25 Billion



Loans Outstanding

SR 14.7 Billion

Loan Portfolio Overview

ADF Approved Loans

SR 65.8 Billion

Development al Loans



37.2 billion (474,979 loans)

Agricultural Investment Abroad (AIA)



1 billion

Specialised Loans



27.6 billion (5.723 loans)

Breakdown of Specialised Loans

Greenhouses

Aquaculture

Poultry

Others



3.5 billion (496 loans)



1.2 billion



6.7 billion (1,402 loans)



16.2 billion (3,752loans)

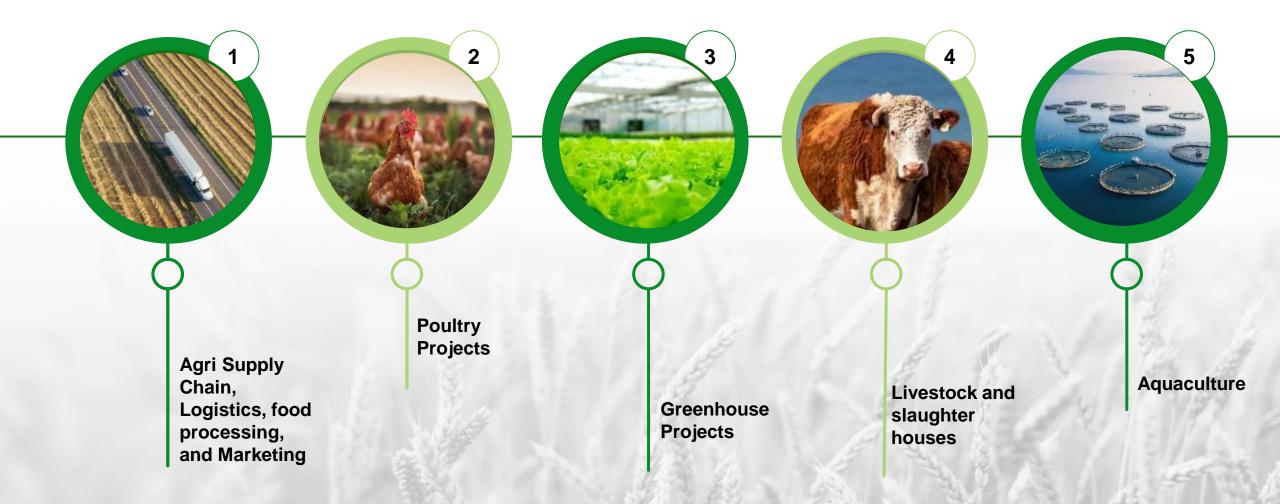




The Fund actively provides financing to a number of key verticals in the Agri sector including but no limited to the following







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Local Lending Programs - Key Characteristics and Eligibility Criteria





Program 1: Strategic Projects *Eligible for foreign investors*

To fund projects that use advance technology within the sector. Sectors targeted include but are not limited to: Poultry (chicken breeding and egg fertilization projects), Aquaculture (fish hatcheries projects), and seed production from plant tissue.

Project assets are permitted to be used as collateral and are valued at **60%** of capital investment value for collateral coverage requirements.





Up to **75%** financing ratio



Program 2: Food Security Projects *Eligible for foreign investors*

To fund projects that produce value-added products from agricultural/animal inputs.

Sectors targeted include but are not limited to: poultry, aquaculture, air conditioned greenhouses (including hydroponics and aquaponics), other related sectors.

Project assets are permitted to be used as collateral and are valued at 55% of capital investment value for collateral coverage requirements.





Up to **70**% financing ratio



Upfront
Disbursement



Local Lending Programs - Key Characteristics and Eligibility Criteria





Program 3: Supply Chains & Marketing for Agri Products *Eligible for foreign investors*

To purchase equipment to strengthen the supply chains and marketing of agricultural products for example: refrigerators and freezers/ warehouses and stores / means of transportation / marketing centers / slaughterhouses. Project assets are permitted to be used as collateral and are valued at 55% of capital investment value for collateral coverage requirements.





Up to **70%** financing ratio



Program 4: Innovative Projects and Patents *Eligible for foreign investors*

To fund a patent or localized methods that will provide high quality products, or reduce the depletion of resources compared to traditional methods. To obtain funding the initiative should have support from the research and Innovation Agency at MEWA and should be commercially feasible. Maximum lending amount for this program is SAR 10 million.

Mortgage of project assets are sufficient to meet collateral requirements.





Up to **80%** financing ratio









Funding for Agri Projects Outside KSA

In 2019, the ADF launched its flagship Agricultural Investment Abroad Program (AIA) to meet the overarching goals of the Nation's Food Security Strategy





The AIA program was established in June 2019 to fund investment in agricultural projects outside KSA with the aim of achieving the nations food security objectives outlined by Vision 2030

The main objectives of the Program

Securing stable and affordable supplies of scarce commodities through strategic and feasible agricultural investments abroad

Guiding and supporting private sector participation with agricultural investments abroad

Develop ties between Saudi investors and agricultural companies/enterprises in host countries



AIA funds investment in 9 strategic commodities selected by the nation food security strategy, 3 of which are considered of primary importance

Primary Crops





Maize



Secondary Crops



Soybean









Sugar





Red Meat

Common Characteristics among all loan products





Attractive Loan Pricing Comparing to Other Financial Institutions



Borrowing company must be registered in KSA and can be fully foreign owned

Loan must be covered by eligible collaterals (see below)





Real Estate



Project Assets



Bank Guarantees



Investment Portfolio



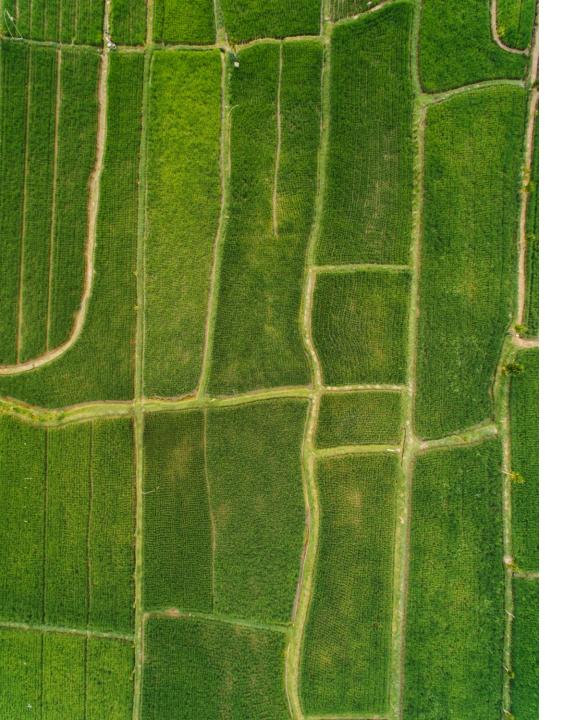
Corporate Guarantees



Assignmen t of Proceeds

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FUTURE ACTIVITIES

- Saudi Agriculture
- Al Jouf International Agricultural Forum
- SIW Symposium
- Increasing PR and Outreach
- New Members
- News and Announcements
- Website
- Members' Online Meetings



