

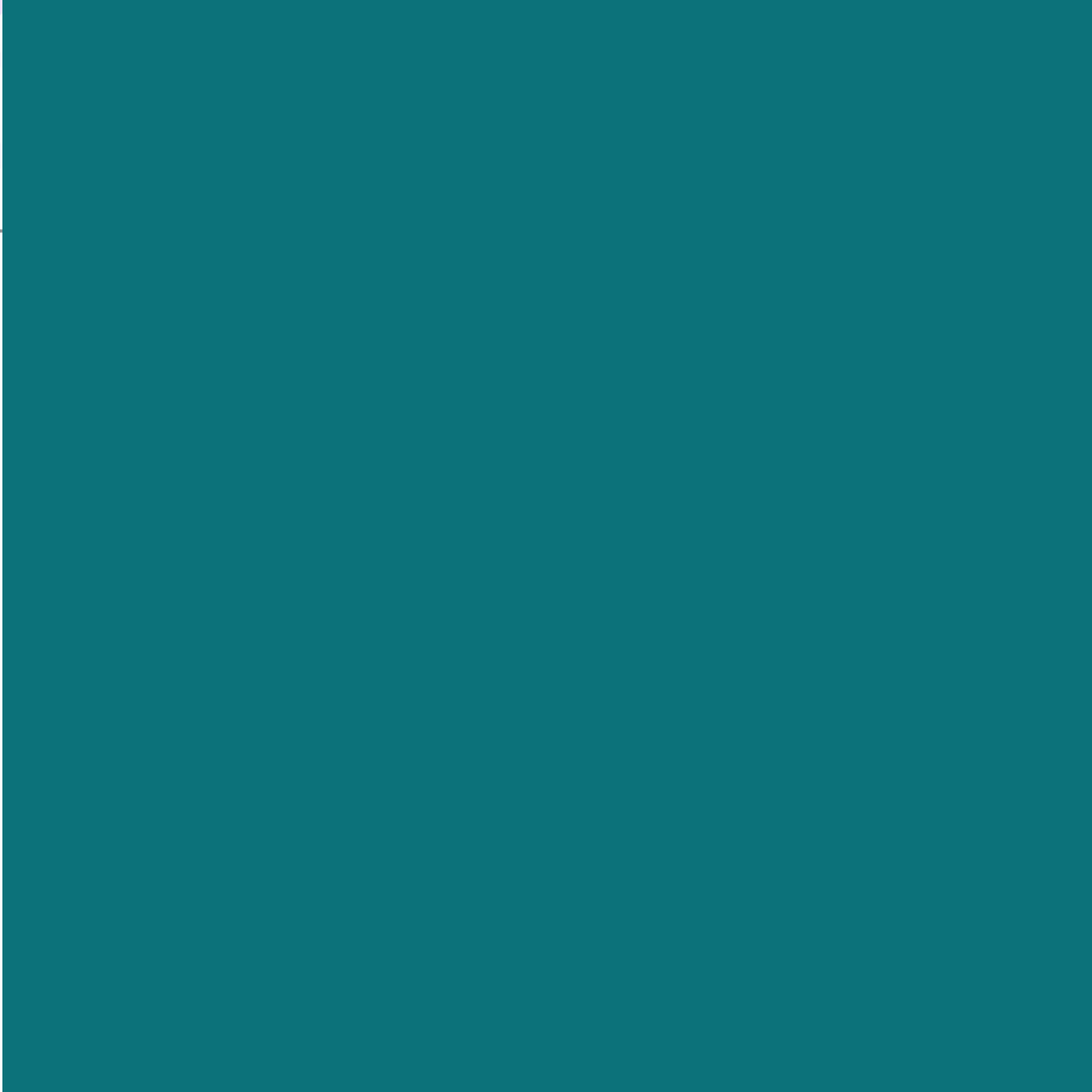


**KFU**  
جامعة الملك فيصل  
KING FAISAL UNIVERSITY



• جامعة ووطن .. نماء .. واستدامة •

King Faisal University Identity













King of Saudi Arabia  
Salman bin Abdulaziz Al Saud



Crown Prince  
Mohammad bin Salman bin Abdulaziz Al Saud  
First Deputy Prime Minister of Saudi Arabia



• جامعة ووطن .. نماء .. واستدامة •





Based on the Kingdom's Vision 2030, its developmental process and its objectives related to all vital sectors, especially education, King Faisal University (KFU) aims to be a leading university locally, regionally and internationally in creating a stimulating and future-oriented learning environment.

A university with productive and developmental research that contributes to the achievement of many national goals, with great emphasis on achieving the goal of food security and environmental sustainability at the national level.

We believe that King Faisal University can maximize its contribution by focusing on food security and environmental sustainability. We will deep delve in our history and build upon our predecessor's practices in food security and environmental sustainability through our research capabilities. We will use our capabilities to turn the challenges of drought and desertification into opportunities for technological breakthroughs that address our challenges and put us on the map of the producing countries of these technologies.

Our specialized research centers in the fields of food security and environmental sustainability reflect our ability to give, create and innovate in these fields. Our strategic partnerships with food and environmental policy-makers and the private sector in these

areas open up channels for us to play a more positive role and enhance the positive impact of each resource invested at KFU. We will extend our hand to work with those who share our ambition to secure our food and preserve our environment, trusting Allah first, then our legacy of academic excellence over five decades, and our diverse colleges that enable us to achieve our goals. We will also employ our investment capabilities, the Al-Ahsa Oasis, and the Agribusiness Incubator to serve as effective station towards the commercialization of our research products and work to serve our country by enhancing food security and preserving its rich environment.

We work to unleash the University's economic capabilities and enhance its development process by designing an investment vision and systems that emanate from the University's identity and strategic priorities, making investment in food security and environmental sustainability a strategic choice. We aim to make our university campus an example in reducing carbon emissions and energy consumption and in sustainable landscaping activities, which will positively affect our students and make them effective in preserving the environment as well as contributors to our food security.

## What is Food Security and Environmental Sustainability?

Food security is one of the most important sustainable development goals (SDGs) at the global level. It is also one of the strategic goals and the main pillar of many programs to achieve the Kingdom's Vision 2030. According to the Food and Agriculture Organization (FAO) of the United Nations, food security expresses the national capacity to provide, facilitate and use food products with emphasis on the strategic management of inventory and its access. Food security encompasses five main





pillars: the provision of food, its accessibility, its use, stability of supply, and optimal management.

Undoubtedly, food security can only be truly and fully integrated through environmental sustainability. According to the UN Environment and Development Report: Our Common Future, the UN General Assembly's report aims to keep biological systems diverse and productive as well as maintaining the quality of life we live in the long term through responsible use of natural resources.

KFU, in its entire academic and research sectors, has undertaken to contribute to meet critical challenges to achieve food security and environmental sustainability. Therefore, the University's identity has been formed to promote food security and environmental sustainability.





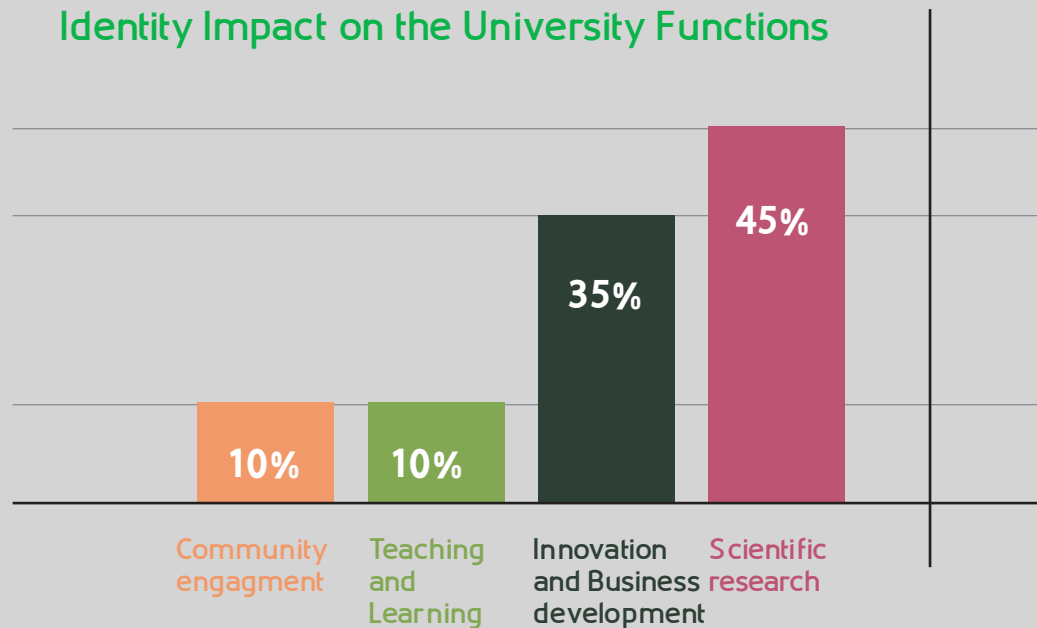
**The Impact  
of the Identity  
Identification on  
the University  
Functions:**

The identity of  
the university  
directly affects the  
functions of the  
university through:



- Focusing research efforts on projects related to food security and environmental sustainability and related support areas, including the establishment of important research partnerships to support this trend.
- Focusing on the implementation of specific development and investment projects in the areas of food security and environmental sustainability and cross-cutting areas for the purpose of transferring technology and experience gained and redefining the relevant industries.
- Integrating concepts of food security, environmental sustainability and related support areas into educational programs.
- Creating, implementing and investing in many partnerships to raise community awareness about food security and environmental sustainability.

### Identity Impact on the University Functions



## Identity Motives and Grounds:

**Many internal and external motives have led the university to position itself in serving food security and environmental sustainability as follows:**



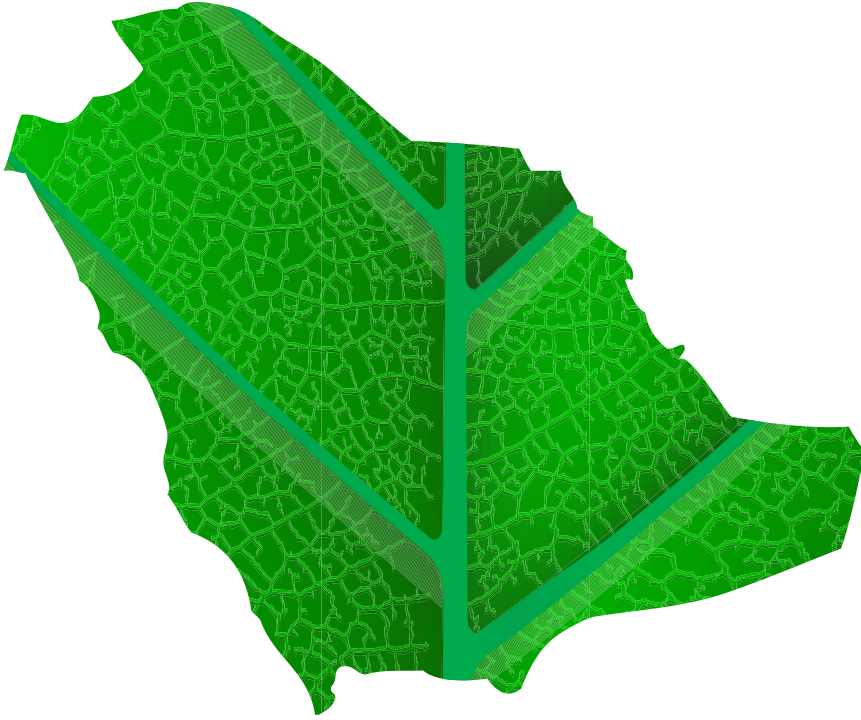
### Internal Motives:

1. The availability of cumulative specialized knowledge and expertise in the areas of food security and environmental sustainability through the university embracing of specialized colleges such as d, Science Agricultural and Veterinary Medicine in addition to 13 other supportive colleges.
2. The university expands in the field of agricultural, aquatic, animal and environmental research and hosts six specialized research centers (Center of Excellence in Palm and Dates, Camel Research Center, Water Studies Center, Fisheries Research Center, Bird Research Center and Bees Research Unit).
3. The university's strategic partnership with a number of public and private sectors focused on cooperation in areas related to food security and environmental sustainability.
4. The university research agreements with international universities in the fields of food security and environmental sustainability.
5. Stimulating the investment system at the university and entrepreneurship through the establishment of Al-Ahsa Oasis Project for Innovation and Technology as well as the Agribusiness Incubator and Entrepreneurship Center.



## External Motives:

1. Direct intersection with the Kingdom's Vision 2030, which defined the achievement of development and food security as well as sustainable use of water resources as a part of its strategic goals.
2. The current challenges facing the world in general and the Kingdom in particular with regard to food security and environmental sustainability.
3. The issuance of national strategies for food security, water and environment that highlight the importance of these issues and their pivots for the Kingdom.
4. Direct intersection with the National Industry and Logistics Development Program, especially in the fields of pharmaceutical and renewable energy industries.
5. Alignment with the global sustainable development goals (SDGs) set by the United Nations.
6. Geography and topography of Al-Ahsa Governorate and related environmental connotation.
7. A number of entities have launched transformative initiatives to serve food security and environmental sustainability.
8. The need for a strong market in the field of agricultural technologies and their applications to food security and environmental sustainability in the Kingdom.



**University &  
Homeland  
.. Growth &  
Sustainability**







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## Food Security and Environmental Sustainability Domains



Food security and  
environmental sustainability  
include nine major domains:



## Water

Water shortage represents one of the most important challenges facing the world. The Kingdom, in particular, faces serious natural challenges given that desert covers most of its land. We will study the techniques, legislations and administrative models that will contribute to the water resources enhancement and how to get advantages from them. In addition, we will maximize our understanding of groundwater by studying the available water reservoirs and aquifers in the Kingdom. In addition, we will work on understanding and improving seawater desalination and water recycling techniques in partnership with the relevant authorities. We will direct our capabilities to study the optimal ways of storing and distributing water in desert environments, ensuring that they are available sustainably to meet the needs of the present and future for human, agricultural and industrial uses.



Agriculture is a cornerstone for achieving food security, whereas food security could be fulfilled through diversified and sustainable agricultural production. This includes upgrading plant, animal and fishery production both quantitatively and qualitatively through the optimal utilization of natural resources to increase this production, control pests and reduce losses in crop production, including innovative agriculture, sustainable agriculture, fish farming and many others.