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Holistic View and Future opportunities to Promote Sustainable Agriculture Development in Drylands: The Case of the Kingdom of Saudi Arabia

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#### Kingdom of Saudi Arabia



- Geographically the largest sovereign state in Western Asia with over 2.15 million km<sup>2</sup>
- It is the only country with both a Red Sea coast and a Persian Gulf coast, and most of its terrain consists of arid desert, lowland and mountains







#### SWOT analysis



from



Examples of Transformation of Agricultural sector in the Kingdom of Saudi Arabia





Irrigation Systems



Fruits and Vegetables Production





 The economic value of a unit of water used in the production of the most prevailing crops

#### Share of different Irrigation techniques for crops in the Kingdom





#### Contribution of Fruits and Vegetables









## 01

Numerous factors drive the sustainability in drylands, but Water is the most essential element to secure global food production in drylands

### 03

Cooperation and Technology sharing through collaborative programs

### 05

Government Policies, Programs, and Institutional reforms keeping in mind real time challenges



Science and technology based innovationdriven business models to promote sustainability and enhance productivity in drylands



Capacity building through Education, training, media campaigns and awareness programs for Adoption of the technology



Investments in agriculture development and modernization is a main catalyst to safeguard global food security

# THANK YOU