Open Data Innovation

KSA 2019-2021 Open Data Strategy
Based on the KSA current state and focus areas of other countries, we have defined three models and it was collectively agreed that in the next 3 years KSA will focus on “Open Data Innovation”

**Open Data Principles**

1. **Open by Default**
2. **Timely & Comprehensive**
3. **Accessible & Usable**
4. **Comparable & Interoperable**
5. **For Improved Governance & Citizen Engagement**
6. **For Inclusive Development & Innovation**

*Model 3 is a combination of 1 & 2*
Enable the Kingdom to release quality Open Data to stimulate economic growth and promote innovation
Executive Summary | Strategic Objectives

To fulfill the vision, two main strategic pillars have been identified which have been cascaded into clear objectives; These pillars will mainly focus on building the Open Data foundation as well as leveraging data to become more innovative.

**Pillars**

**Build**

- **Supporting** government entities to **prioritize** and **publish** Open Data
- **Ensuring** all the Open Data is governed by **national standards**
- **Establishing** an **empowered governance framework** to oversee & advise on the release and use of Open Data
- **Enabling seamless** and **efficient** Open Data publishing

**Innovate**

- **Raising awareness and building capabilities** to reap the benefits of Open Data
- **Empowering private sector** to leverage Open Data to foster a culture of **innovation** and **entrepreneurship**

Source: Deloitte Research and Analysis
Executive Summary | High Priority Datasets

We will focus on making available the below prioritized datasets by working closely with data providers responsible for releasing these datasets.

**Mapping Data**
Detailed digital map of the country provided by a national mapping agency and kept updated with key features.

**Education Data**
The performance of education services in a country has a significant impact on the welfare of citizens.

**Detailed Census Data**
Key national statistics that are meant to measure the performance of the economy and demographics.

**Health Performance Data**
Statistics generated from administrative data that could be used to indicate performance of specific services, or the healthcare system as a whole.

**Financial Market Data**
Data on financial transactions occurring in the local stock market.

Source: Deloitte Research and Analysis. Note: The given list of entities is non-exhaustive and other entities might be holding these datasets.
In the next three years, we will be focusing our effort on working closely with Ministries, Regional Municipalities as well as Semi-Governmental Entities to release quality data and make it available to the public and businesses.
Executive Summary | Strategic Initiatives

Four key initiatives have been identified to achieve the ambition and objectives of the Open Data strategy.

**Pillars**

**Build**

1. Establish effective **governance** to execute & monitor progress

2. Improve the **quality and release** of Open Data

**Innovate**

3. Build **capabilities** to enhance Open Data skillsets

4. **Promote and encourage** the private sector to use Open Data

Source: Deloitte Research and Analysis, Open Data Workshop Outputs
To support the implementation of the strategic objectives, a set of eleven projects mapping to four key initiatives have been defined:

**Strategic Initiatives**

1. **Establish effective governance** to execute & monitor progress
   - Set up an Open Data program management office
   - Establish and activate the Open Data governance framework
   - Develop and enforce Open Data law

2. **Improve the quality** and release of Open Data
   - Define Open Data standards and support adoption
   - Design and implement Open Data Architecture
   - Create Open Government Data catalogue for KSA
   - Develop Open Data Rating Scheme for Government Entities

3. **Build capabilities** to enhance Open Data skillsets
   - Establish an Open Data Center of Excellence
   - Develop Open Data Rating Scheme for Government Entities

4. **Promote** and encourage the private sector to use Open Data
   - Develop and execute a national communication and marketing plan
   - Support in the organization of theme-based Open Data Hackathons
   - Launch an Incubator program for Open Data startups

Source: Deloitte Research and Analysis, Open Data Workshop Outputs
To execute the Open Data strategy, a three layer governance body has been defined to provide strategic direction and guidance, overview the strategy implementation and manage day to day operation.

**Overarching governance body** (with significant interface/impact to Open Data Strategy)

- **National Digitization Committee**

**Strategic Governance Bodies**

- **Data Committee**

**Operational Governance Bodies**

- **Open Data Working Group**
- **Program Management Office**

**Delivery Governance Bodies**

- **Project Management Boards**

**Data Committee (Headed by the Data Office)**

- Advisory board, responsible for providing strategic directions and resolve any escalations to execute the strategy

**Open Data Working Group**

- Chaired by Open Data VP, Yesser, & comprising of CXO level representatives from government entities
- Responsible for the strategy & its implementation

**Program Management Office**

- Track project progress
- Ensure stakeholder coordination

**Project Management Boards**

- Detail and execute initiatives as well as projects

*Note: Overarching governance body is not defined in detail as part of this deliverable*
Ultimate success for this strategy will be achieved once the entrepreneurs will be able to develop business ideas based on Open Data for the benefits of the wider community i.e. SMEs, citizens etc.

**Use Case: Optimized Food Truck Location**

- **Dataset type**: Real time parking space availability
- **Dataset owner**: Business

**Dataset type**: ATM location

**Data Miners**

- **Impact**: Open Data Start-ups
  - Increased economic opportunities for F&B businesses
  - More convenience choices for consumers

**Final Consumers**

- **Business**
- **Citizens**

*Source: Deloitte Research and Analysis*
Thank You