

# Roundtable 1: Saudi Arabia's Priorities and Efforts in Updating and Enhancing our next NDC

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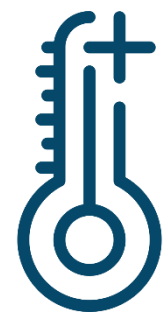
1<sup>st</sup> GST Dialogue 2024

6 June 2024

Recalling, as provided in Article 14, paragraph 3, of the Paris Agreement, that the outcome of the global stocktake shall inform Parties in updating and enhancing, in a nationally determined manner with the relevant provisions of the Paris Agreement

Saudi Arabia is amongst the **most vulnerable** countries to **physical** and **socioeconomic** impacts of climate change and its policies

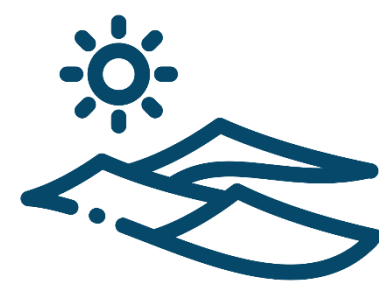
### Ecosystem National Circumstances



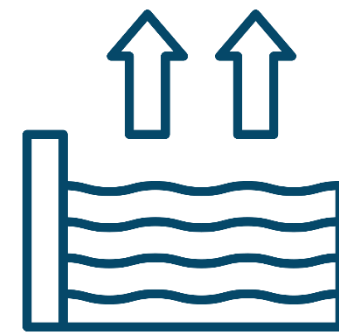
Temperature Increase



Water Scarcity



76% Non Arable Land

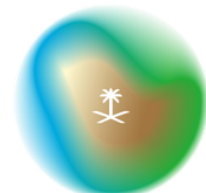
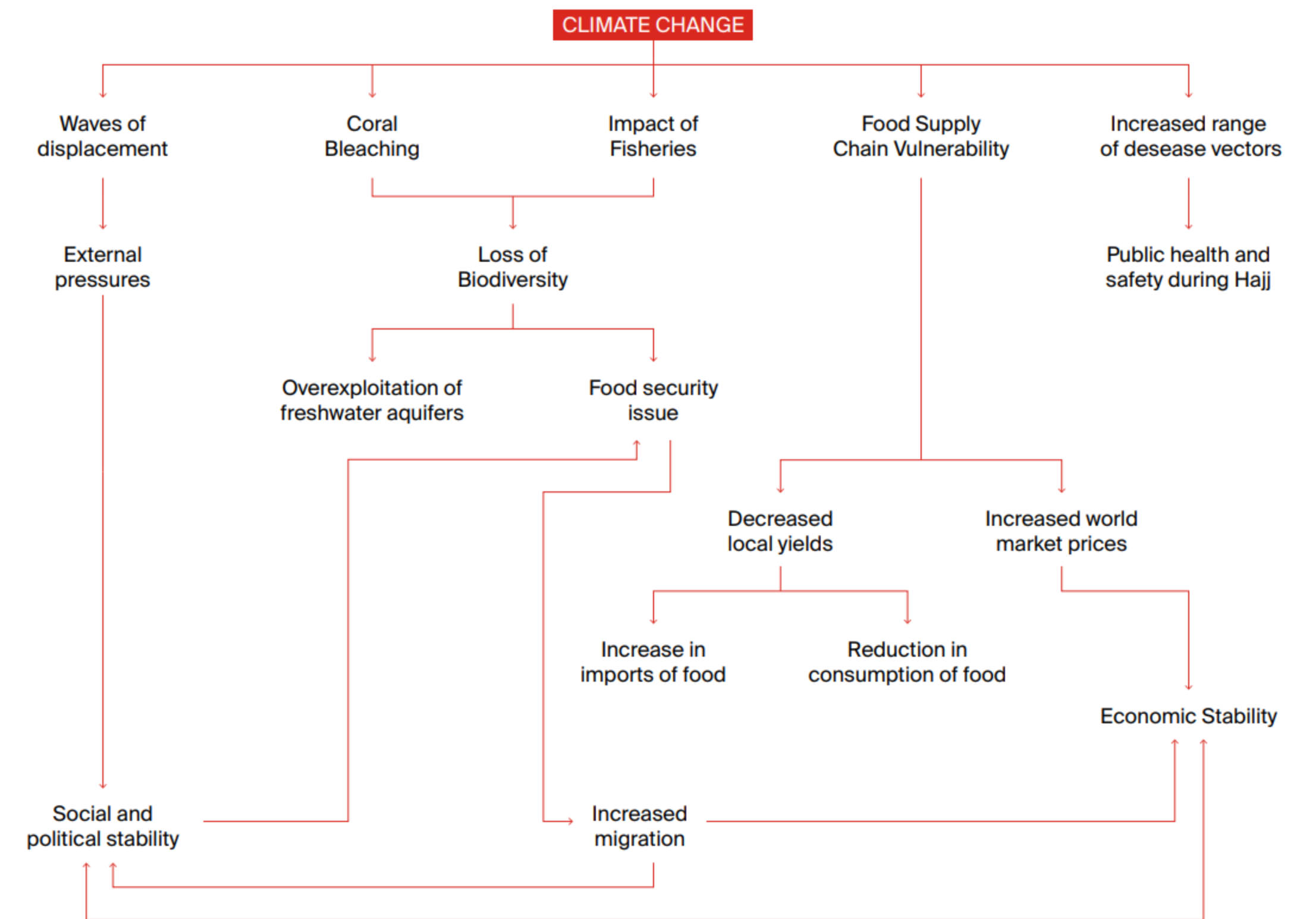


Sea Rise and Flooding

### Socioeconomic National Circumstances

- Saudi's economy is **still** highly dependent on income generated from the production, processing, and export, and/or on consumption of hydrocarbons and associated energy-intensive products
- This reliance on limited income resources puts at risk Saudi's ability to maintain a level of growth in the long run

### Cascading Effects of Climate Change in Saudi Arabia<sup>1</sup>



# Saudi takes Article 4.7 of the Paris Agreement (Mitigation co-benefits resulting from Parties' adaptation actions and/or economic diversification plans can contribute to mitigation outcomes under this article) as its model and guide for updating its NDC

In 2016, the Kingdom of Saudi Arabia embarked on **Vision 2030** which charts out the path for **economic diversification** that is encompassed through our **Dynamic Baselines** in our NDC



## Priorities

- Adaptation with mitigation co-benefits (resilience): tree planting, and urban planning.
- Ecosystem-based adaptation (vulnerability, risk assessment, water, sea level rise, etc.)
- Socio-economic adaptation and economic diversification: RM, technology – renewables, energy efficiency, methane abatement, CCUS, hydrogen



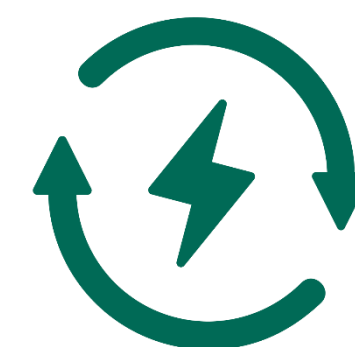
## Metrics

- In Saudi we aim to enhance the level of mitigation in our new NDC by strengthening and expanding GHG, and non-GHG mitigation ambition such as:

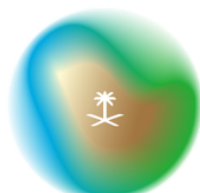
New NDC Ambition



Renewable Energy Ambition



CDR Ambition



Saudi has many ambitions and priorities across its current projects and initiatives that are ongoing and will contribute to our new NDC.

### ① Adaptation with mitigation co-benefits

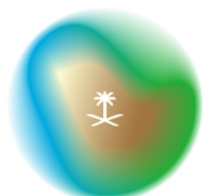
- Growing **10 billion trees** across Saudi Arabia that is equivalent to rehabilitating over **74 million hectares** of land.
- These plantation efforts are projected to **decrease** temperature by **2.2 °C** in city centers largely due to tree canopy cover.

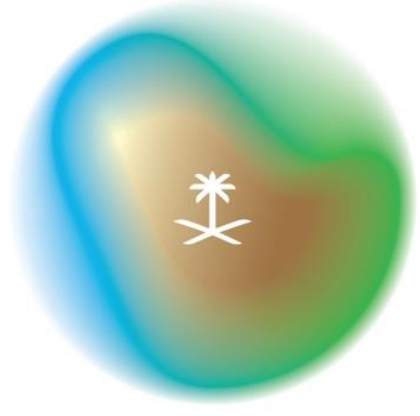
### ② Ecosystem-based adaptation

- Aim to plant **100 million mangrove trees** along the coastlines during the coming years.
- **Protecting 30%** of Saudi's **terrestrial and marine area by 2030** including deserts, forests, mountains, and coastal areas.

### ③ Socio-economic adaptation and economic diversification

- **50% of electricity** generation capacity to be from **renewable energy by 2030**
- Capture and **store 44 million tons** of CO<sub>2</sub> Annually by **2035**
- **150,000 tons** of clean ammonia shipped globally
- **~1 million** barrels of oil equivalent of liquid displacement by **2030**
- Capture and **utilize 2 million tons** per year of **CO<sub>2</sub>** to produce glycol, urea, green methanol and clean fuels
- Plans to build **largest Green H<sub>2</sub>** project in NEOM





# Thank You