Marshlands (The Garden of Eden)

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The Unique Marshlands

For over 7,000 years, the Iraqi Marshlands - the Mesopotamian Marshlands - have played an important role in global ecosystems by supporting rare wildlife and rich biodiversity.



The Unique Marshlands

Largest wetland ecosystem in the Middle East Located in southern Iraq with over 6,000 square miles A natural filter for the waters of the Persian Gulf

Value of Iraqi 1-Biodiversity and Ecology

- Home to 22 globally endangered species and 66 at-risk bird species.

- A major flyway for many migratory birds

- A source of fish and dairy products

Value of Iraqi Marshlands!

2- Cultural Heritage

The historic home to several hundred thousand Marsh Arabs - the Ma'dan

3- Historical Significance

The site of the biblical "Garden of Eden"

4- A UNESCO World Heritage site

5- Water Resources and Agriculture

Every decade has a story The Threaten Periods

1930s

The first to attempt to drain the marshes, as a breeding ground for mosquitoes and lack of apparent economic value, as well as use of the water for irrigation.

1980s

large-scale destruction during the Iraq-Iran War (1980-1988)

1990s

Destruction by Saddam Hussayn - Regime
The landscape and environment were long-term changed

2000-2003

UNEP alerted the international community that 90% of the Marshlands had already been lost. By 2002, the marshes had shrunk to 1,600km2 or 14% of their size in 1970s.

2003-...

Turkey, Syria and Iran have constructed a number of dams on the Euphrates, Tigris, Karkeh, and Carooon Rivers.

Fluctuation of marsh cover in the years following Re-flooding.

The Implications of marshland degradation

- 1- Reduction of Biodiversity
- 2- Disruption of Ecological Processes
- 3- Economic Implications
- 4- Degradation of Water Quality
- 5- Exacerbation of Climate Change
- 6- ncreased Risk of Flooding and Erosion

NBS for Ecosystem Restoration and Biodiversity Conservation

1- Re-flooding

2- Long-term health of the marshlands

3- Livelihoods improvement

4- Biodiversity Conservation

1- Re-flooding

Challenges



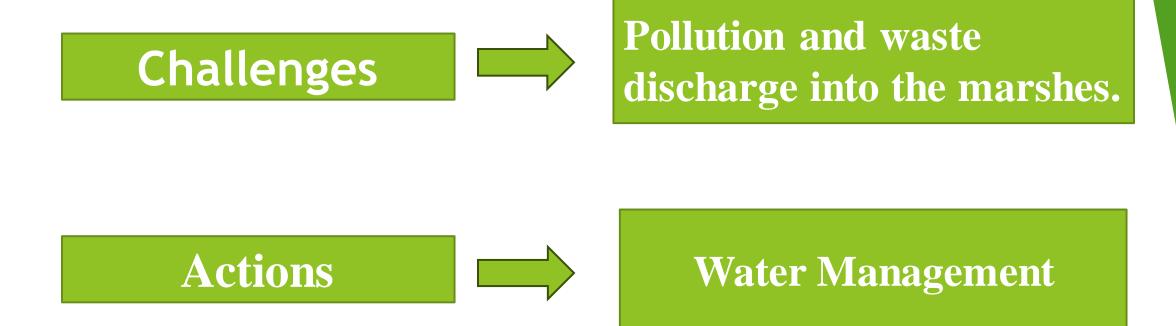
Low water revenues from neighboring countries

Actions



Political Will and International Support

2- Long-term health of the marshlands



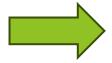
3- Livelihoods improvement

Challenges



- Infrastructure and Services
- Land and Resource Tenure
- Poverty and Unemployment
- Climate change

Actions



- -Long-term viability of livelihoods
- -Infrastructure Development
- Diversify income sources
- Climate Change Adaptation

4- Biodiversity Conservation

Challenges



- Illegal Wildlife Trade
- -Invasive Species
- Lack of Awareness
- -Limited Capacity
- Insufficient financial resources

Actions



- Maintaining the ecological balance
- Integrating conservation with development

THANKYOU

For Your: Attendance & Attention