

Water Security in Iraq

Alexandria 1st Apr 2010



Dokan Dam



Central Marshes

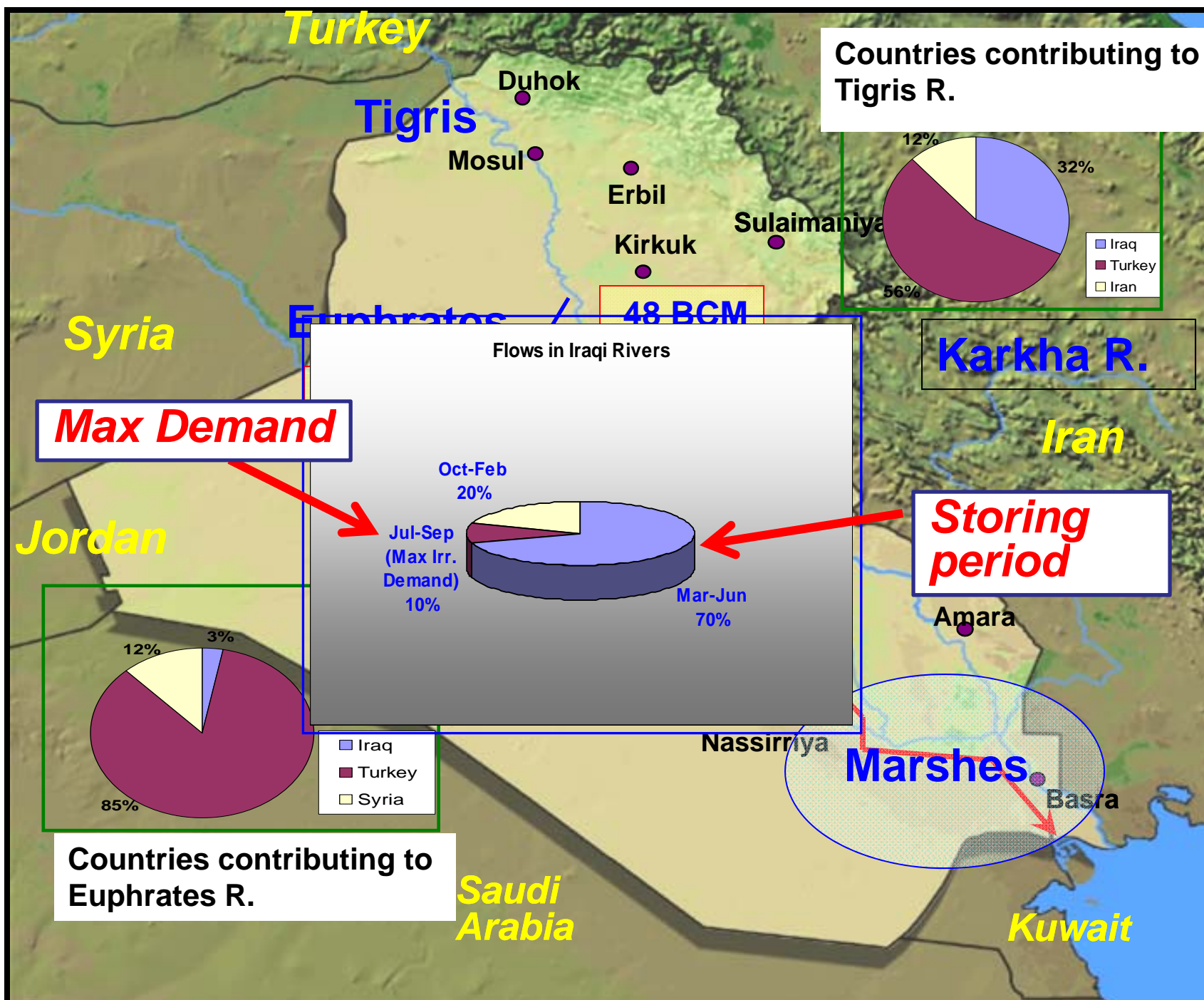
Dr. Hassan Janabi
Iraq's Ambassador to the
UN Agencies in Rome

What is Water Security?

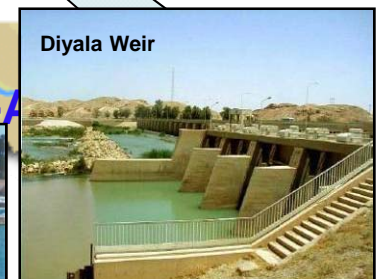
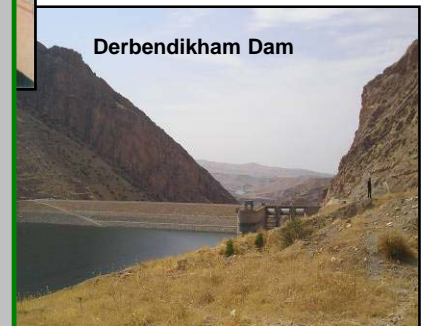
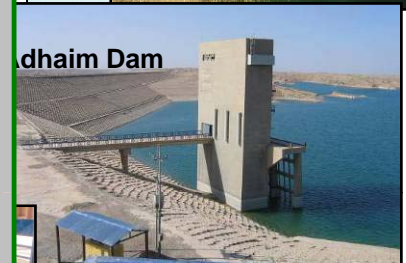
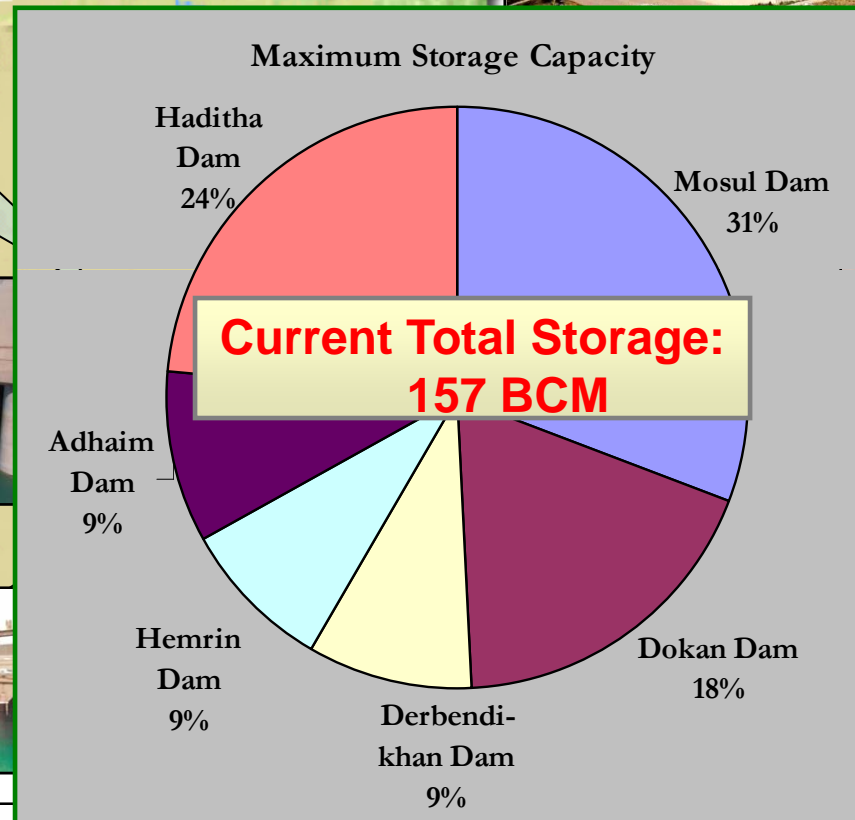
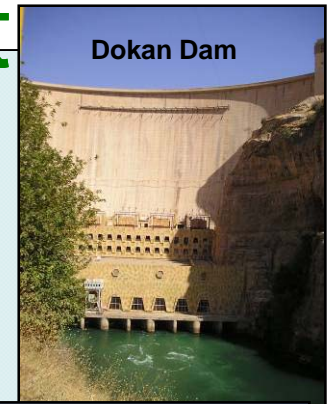
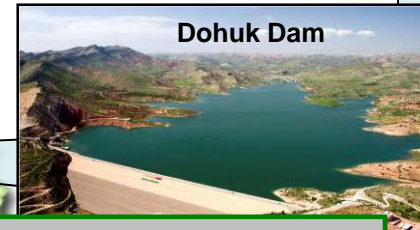
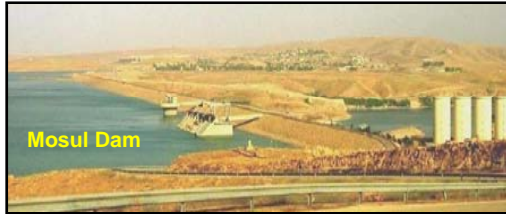
1. Ensured **accessibility** to the resource in time and space.
2. Ability to **utilize** the resource to achieve economic development.
3. Ability to **sustainably manage** the water resources to ensure the right quantity and quality.

What is Water Security? Con'td

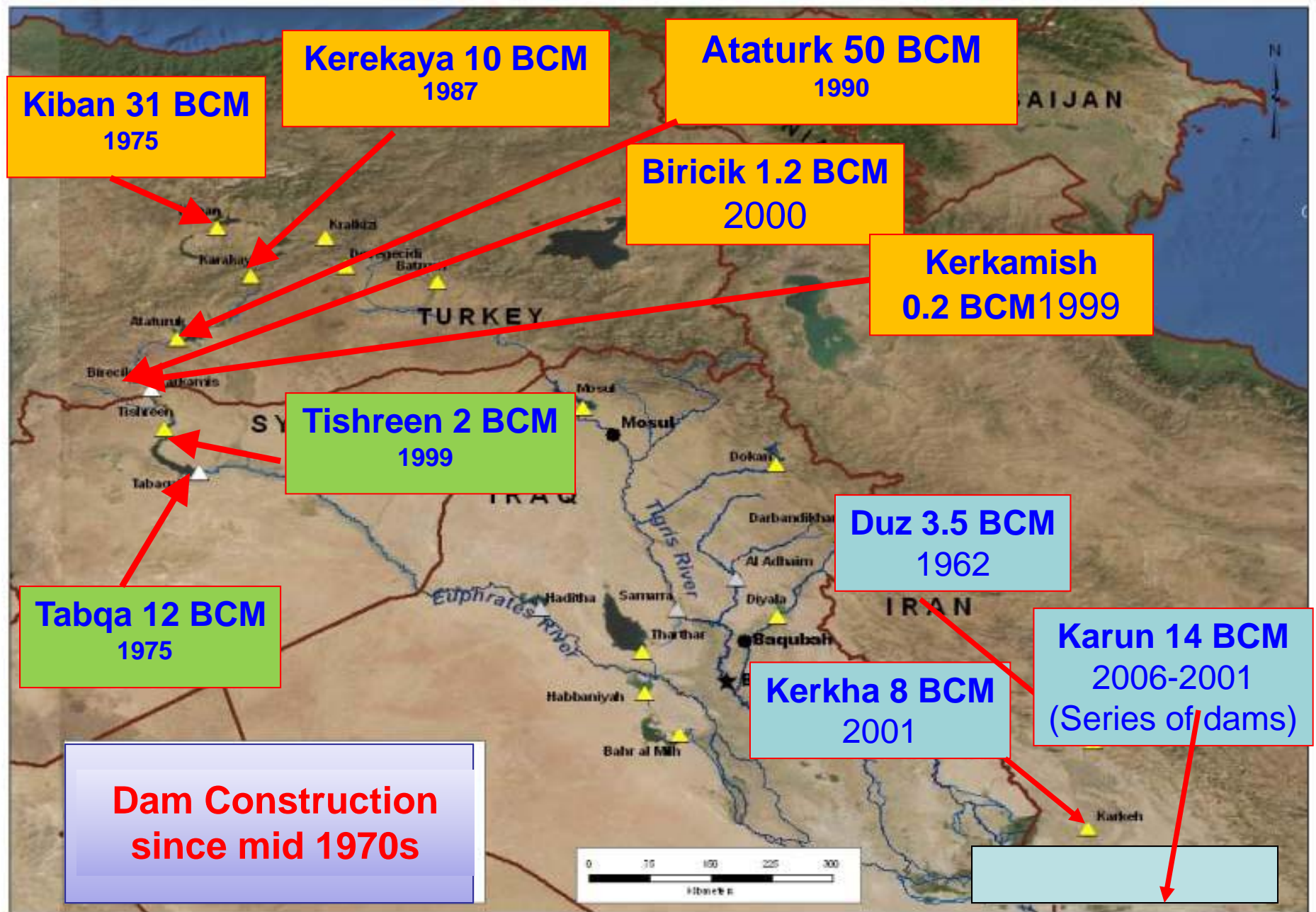
4. Ensure that competing demands are **balanced** (Irrigation, water supply and sanitation, hydropower, environmental requirement etc).
5. Ensure that **water sharing agreement** with full participation of all stakeholders is in place.
6. Ensure that the **environment** is protected and pollution is prevented.



Control for better management



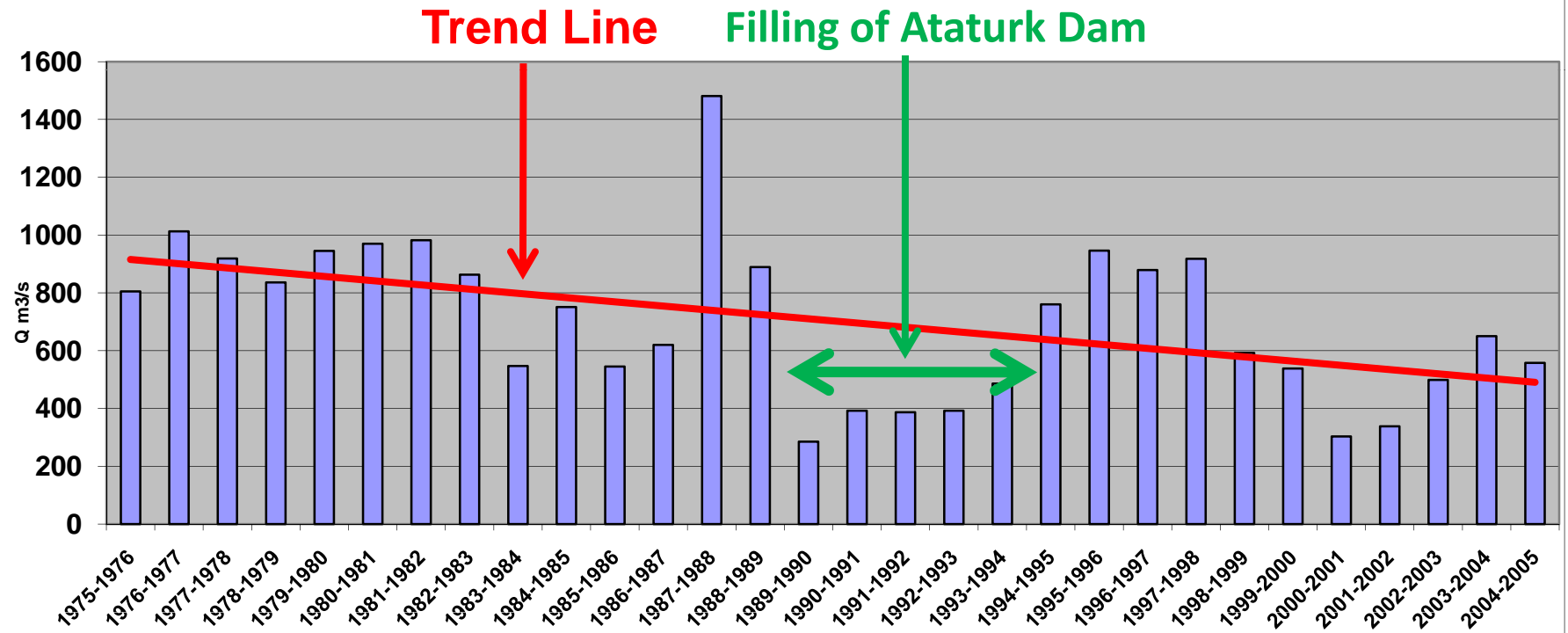
Shatt Al-A



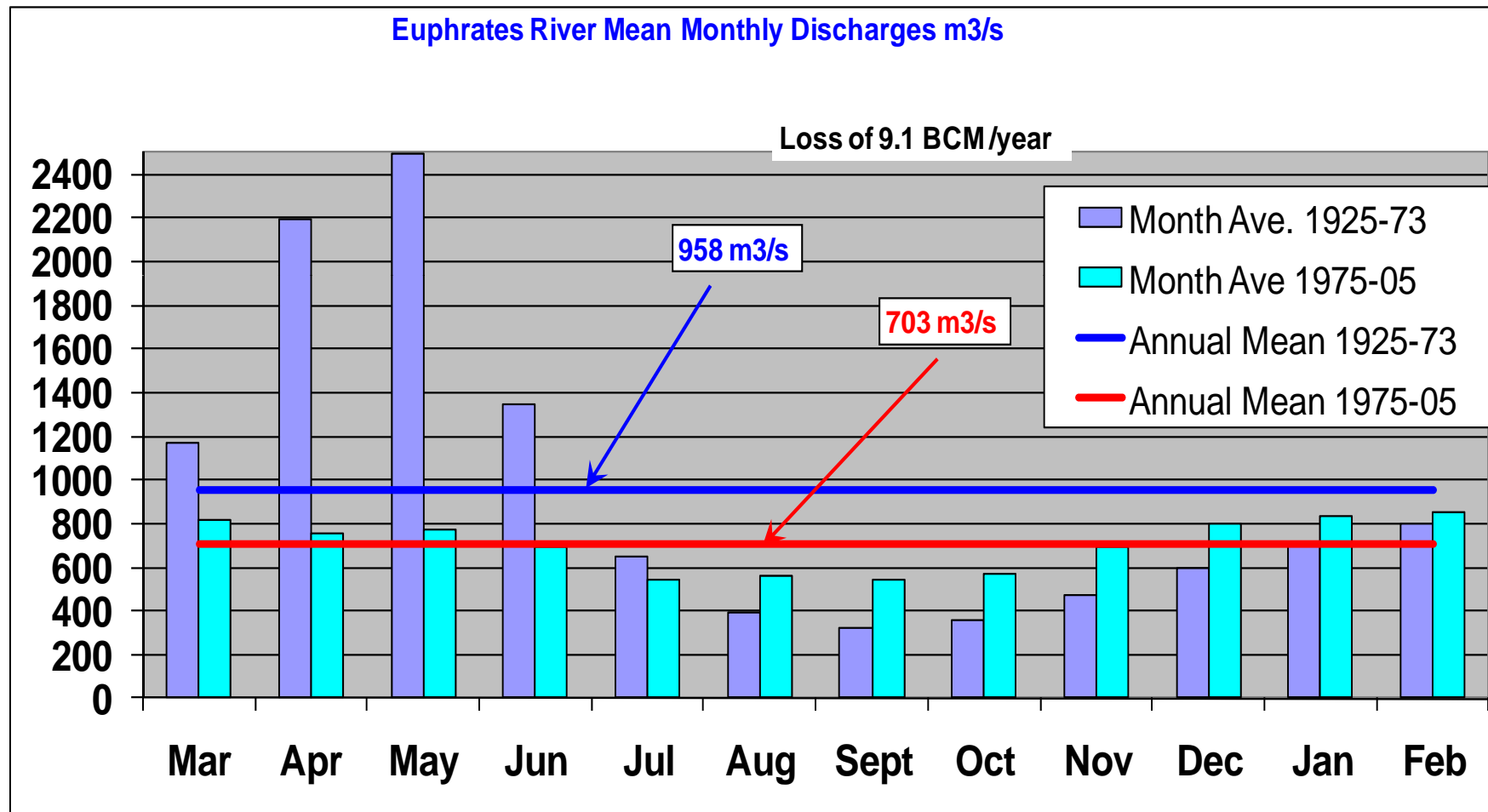
UNCLASSIFIED

Declining inflows

**Mean annual discharge in the Euphrates (m³/s)
1975-2005**



Euphrates 1925 – 2005



Storage Volumes

- Turkish Storages
 - **92BCM** on Euphrates
 - **17BCM** on Tigris (planned)
- Syrian Storages
 - **14.5BCM** on Euphrates
 - **1.5BCM** from Tigris (Previous agreement)



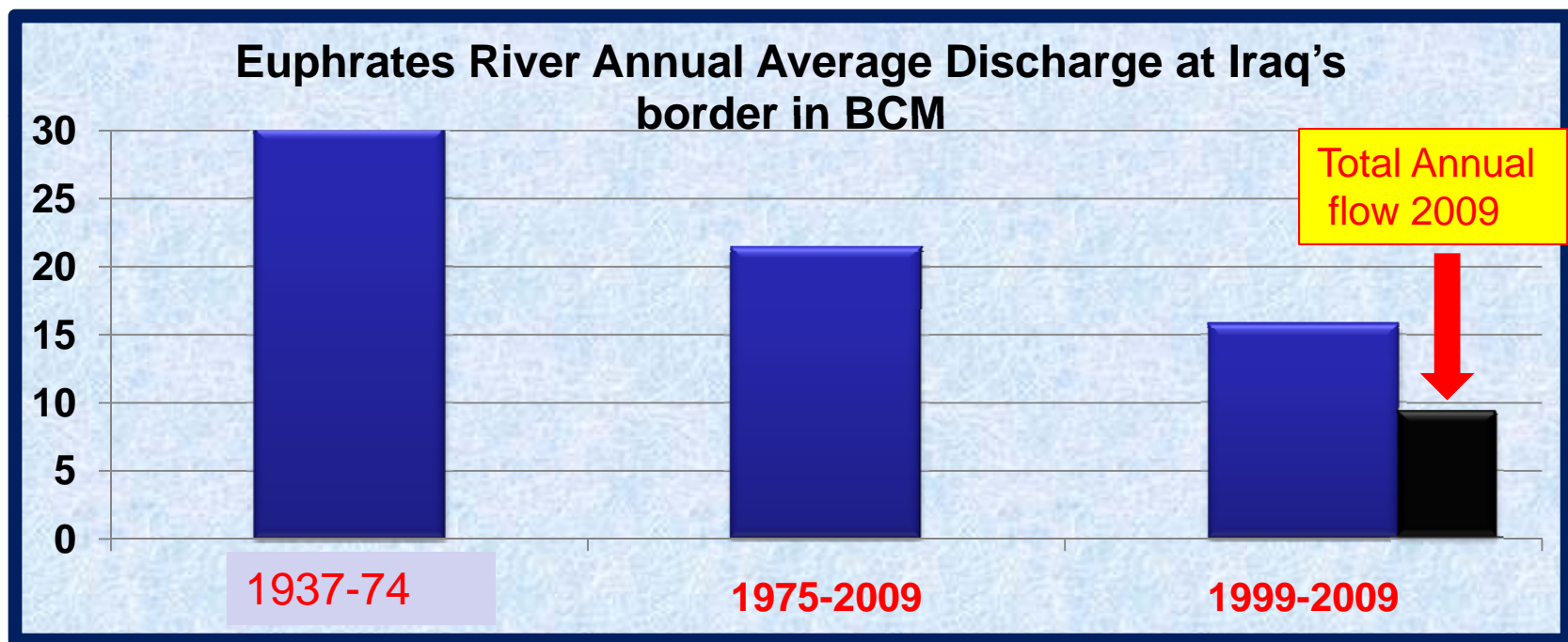
How Water Security in Iraq is being impacted?

- Intensive construction of dams.
- Wars, particularly Iraq-Iran war and the occupation of Kuwait.
- Draining of the marshes.
- Pollution and degradation of water quality.
- Fast urbanization.
- High rate of water use (twice the population growth rate).

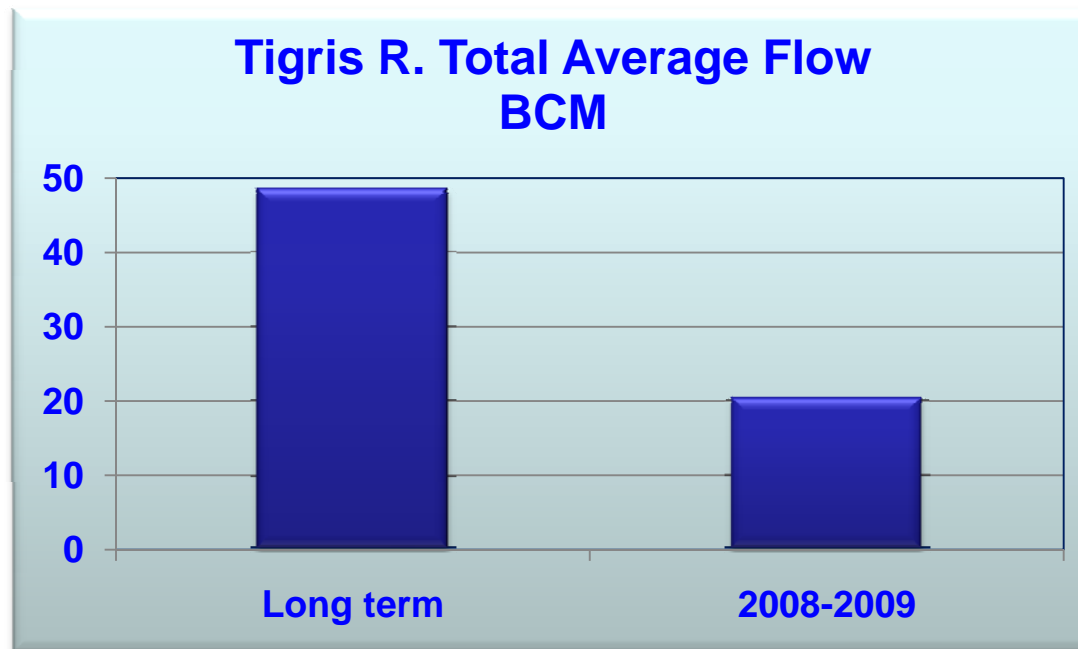
How Water Security in Iraq is being impacted?...Cont'd

- Lack of long term water sharing agreement between riparian countries, Iraq, Syria, Turkey & Iran.
- Unsustainable approach in managing water resources in the upper reaches of Euphrates and Tigris rivers basins.

How Water Security in Iraq is being impacted?...Cont'd



How Water Security in Iraq is being impacted?...Cont'd



The way forward

- Apply strict national water management strategy based on IWRM principles
- Negotiate long term water sharing agreement.
- Adopt basin-wide & regional approaches to mitigate and adapt to climate



How Water Security in Iraq is being impacted?...Cont'd



Thank you