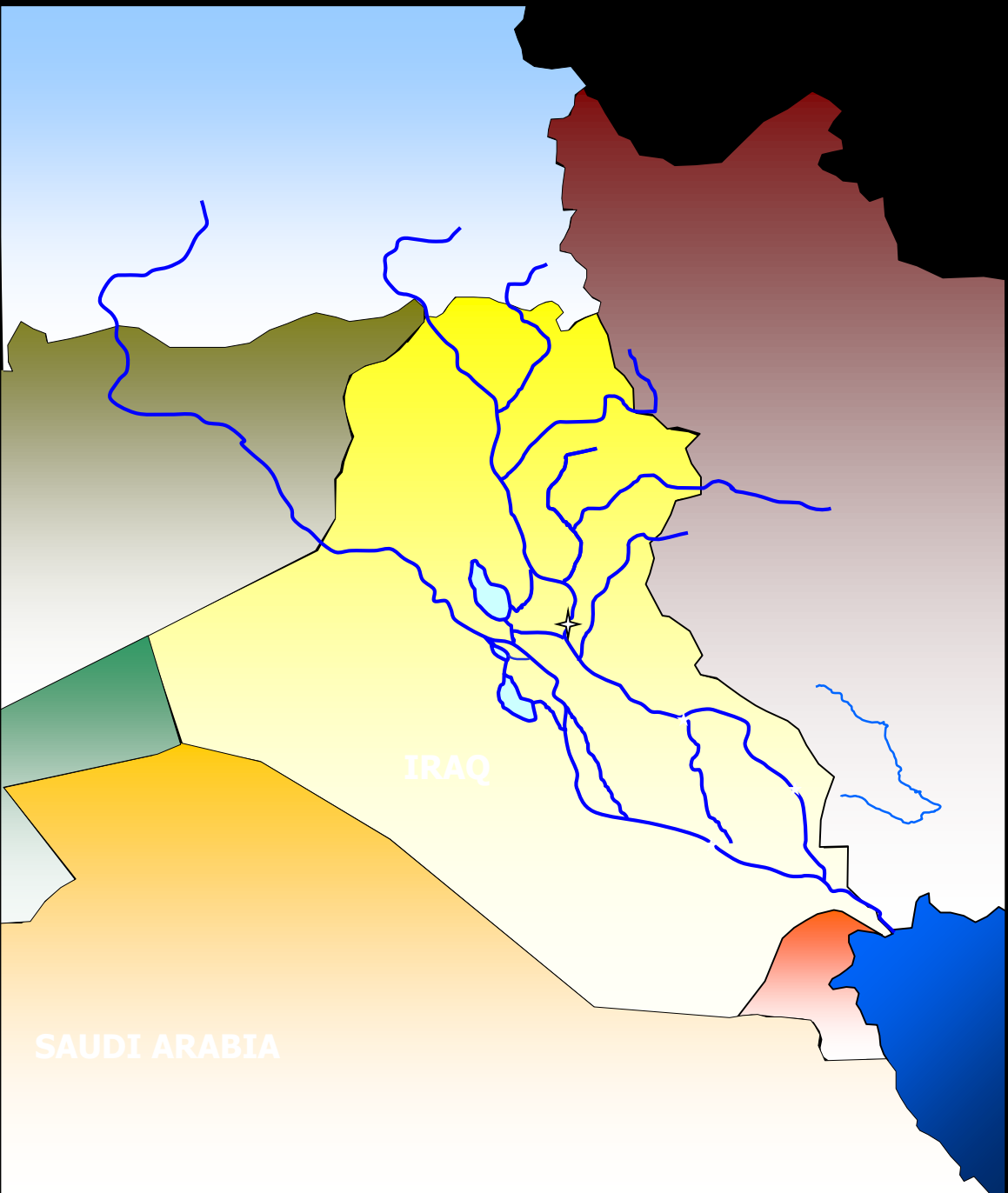


Climate Change,
A Crisis,
or an
Opportunity for Regional Economic
Integration

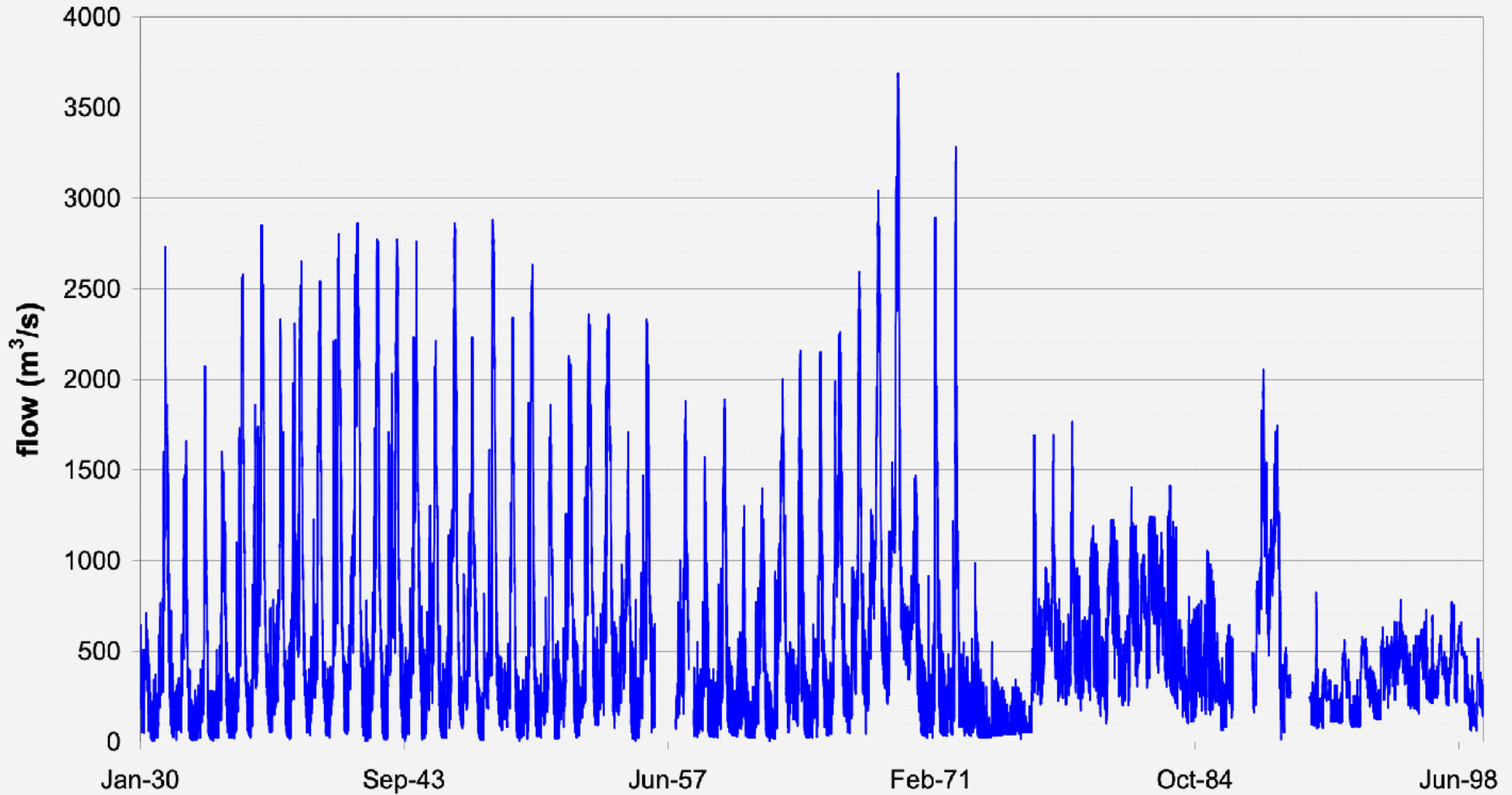
December 5, 2022

Iraq's Rivers and Marshes

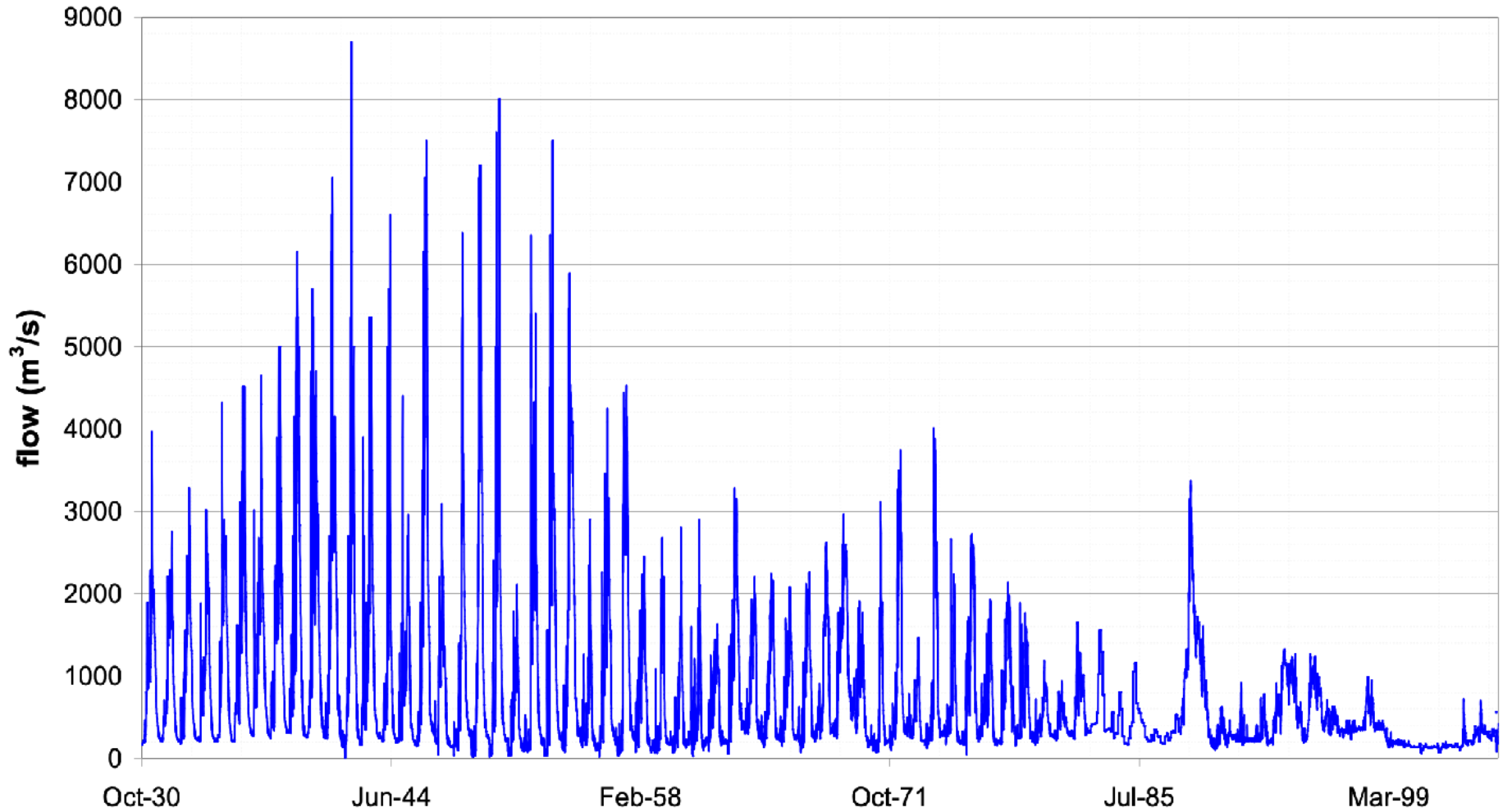


Hydrographs for Euphrates River

Euphrates downstream Hindiyah



Tigris downstream Kut



Iraq in Ten Years, Status Quo Ante

Population 52 million Iraqis, 80 % < 30 yrs

Temperature Increase

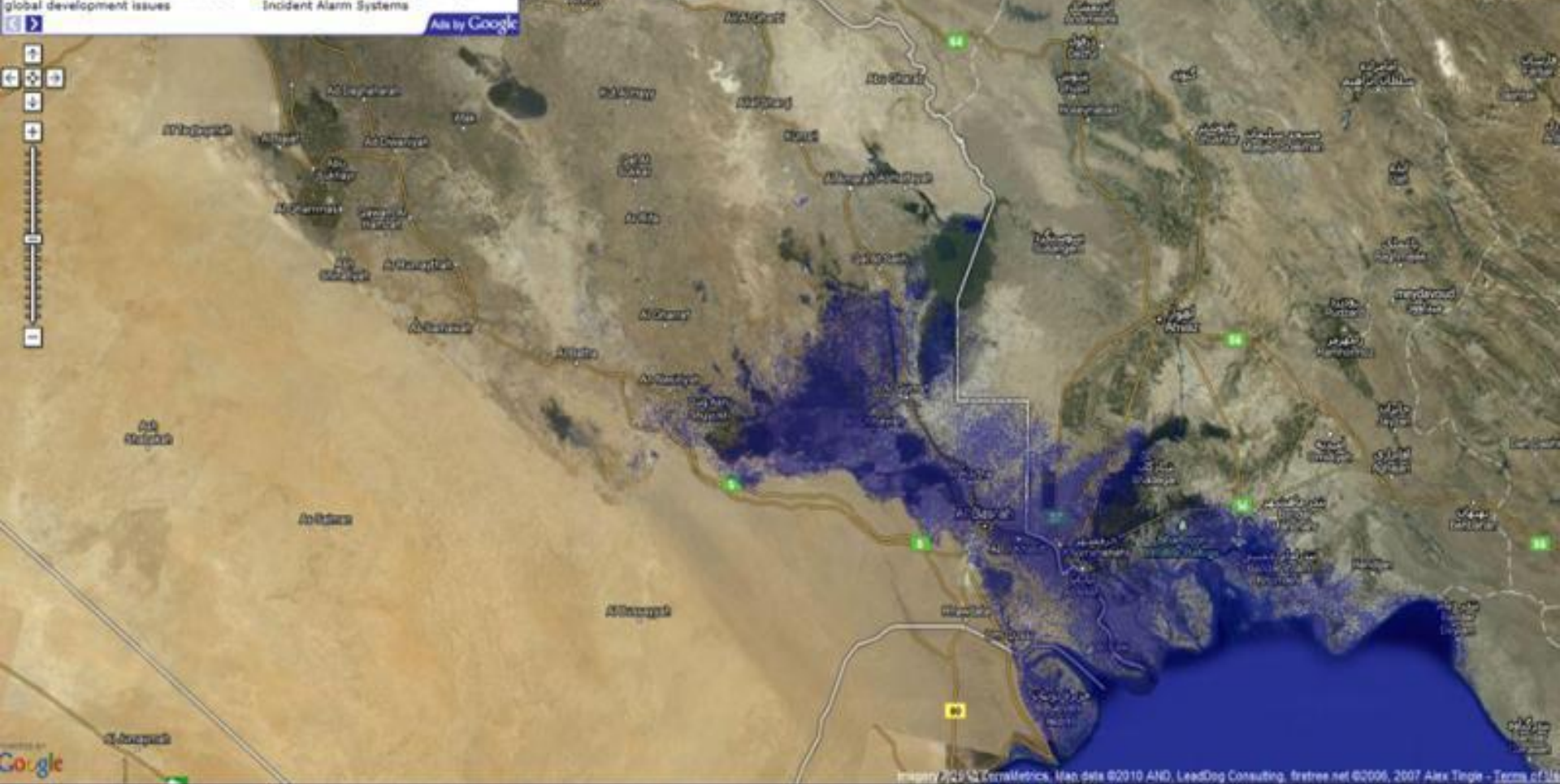
Dust Storms Increase

Water Bankruptcy

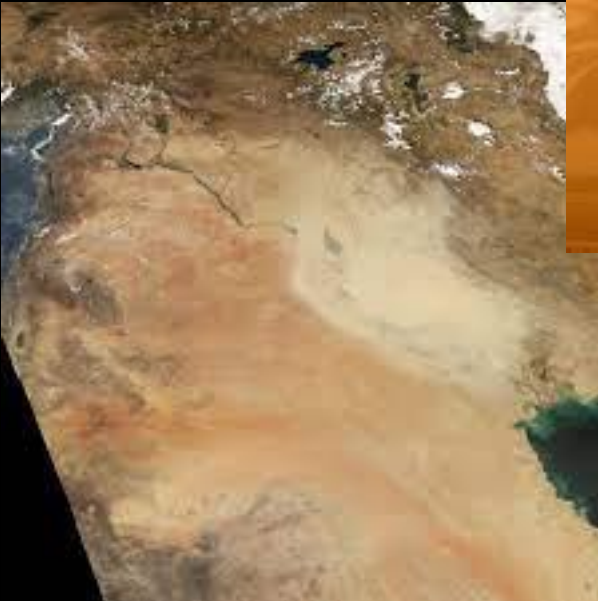
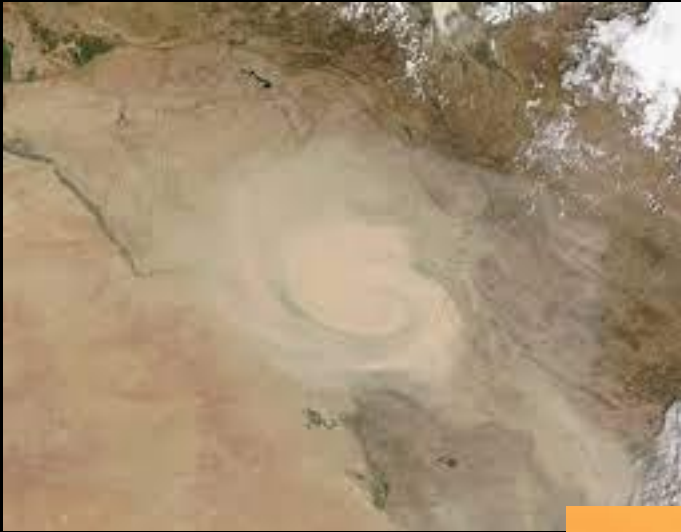
Salt Wedge Intrusion

Oil Income Decrease





3 meter rise will make southern Iraq a coastal marsh submerging Basra and environs



Thinking outside the box

We must change the dynamics of the dialogue
between Turkey, Iraq, Syria and Iran from:

“whose water is it”

To:

“Water as the basis for economic ties”

Thinking outside the box

- Instead of repairing Musil Dam, lease reservoir space in Turkey
 - Reduce evaporation loss
 - Common management, Coordinated environmental releases
 - Price, Electricity purchase, Subsidized gas to Istanbul, Transit Rights

Thinking outside the box

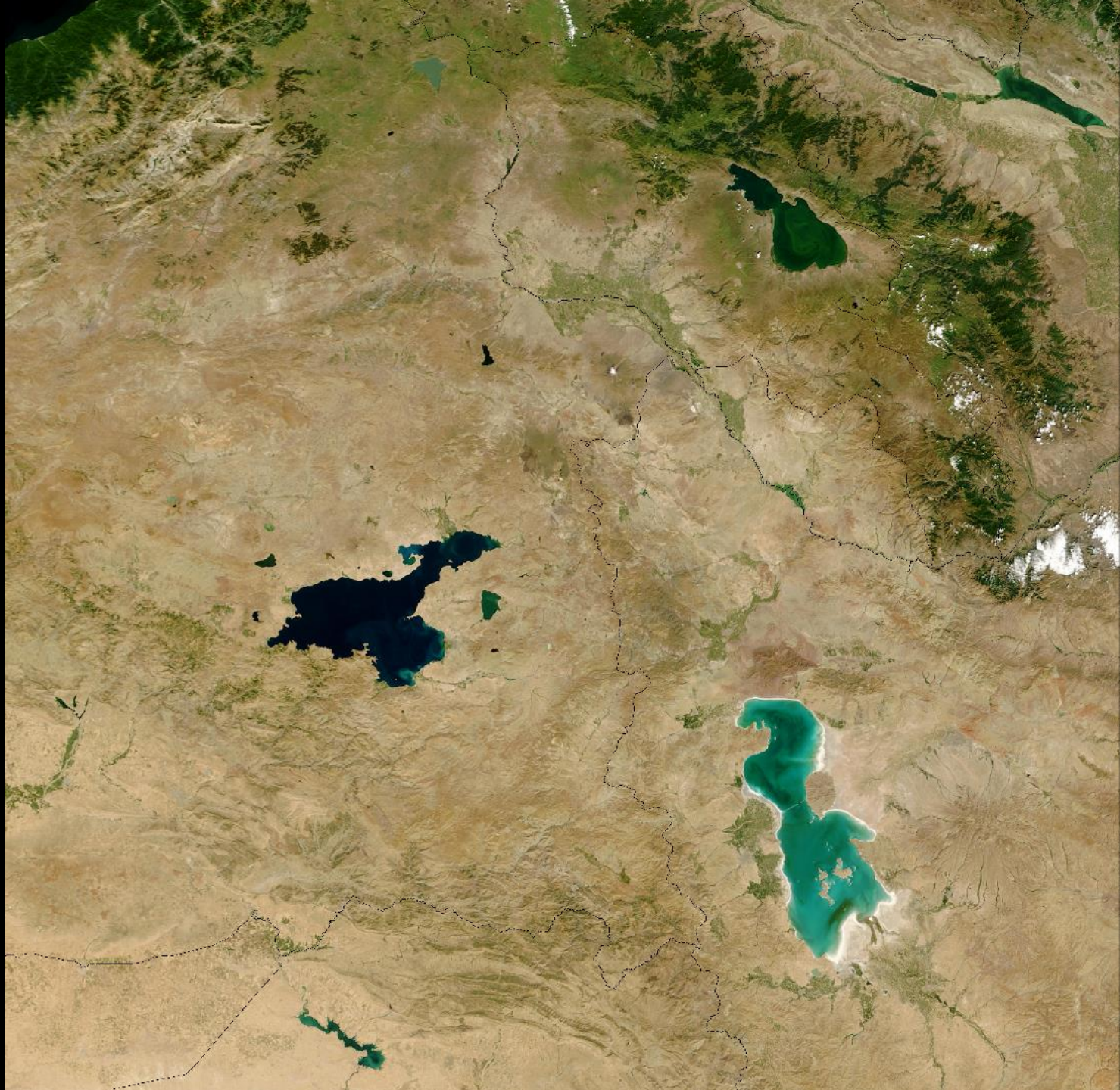
- Can Turkey sell electricity to Iraq?
 - Selling will generate income
 - losses of electricity to transportation means more income to Turkey
 - Price? Negotiable – Transit Rights, subsidized gas to Istanbul, carbon credits, etc.

Thinking outside the box

- Agricultural production - Food Basket for Region
 - Modernize Irrigation in Iraq and the region
 - joint ventures of Turkish & Iranian agricultural concerns with Iraqi investors that would create large modern farms - Longer growing season in Iraq
 - Agricultural Production Factories

Thinking outside the box

- Photovoltaic Forests in Iran and Saudi Arabia to produce DC electricity and Green Hydrogen.
 - Create joint economical interests in the region bringing Iran, Saudi, Kuwait, UAE & Turkey to have common interest in a stable Iraq to transport electricity and green hydrogen to Europe
 - Connect Basrah to Berlin via reactivating the Railways and modernize transportation.



Urmia
1,265 MSL
Used to be
85,000 ppm
Now
300,000
ppm

Van
1,730 MSL
23,000 ppm

Distance
160 km



Thank you

