



Water as a tool for
economic
cooperation instead
of political tensions

Thinking outside the box

Dr. Azzam Alwash Founder and CEO, Nature Iraq

Webinar -24th Feb. 2021

Hydropolitics Academy
TURKEY

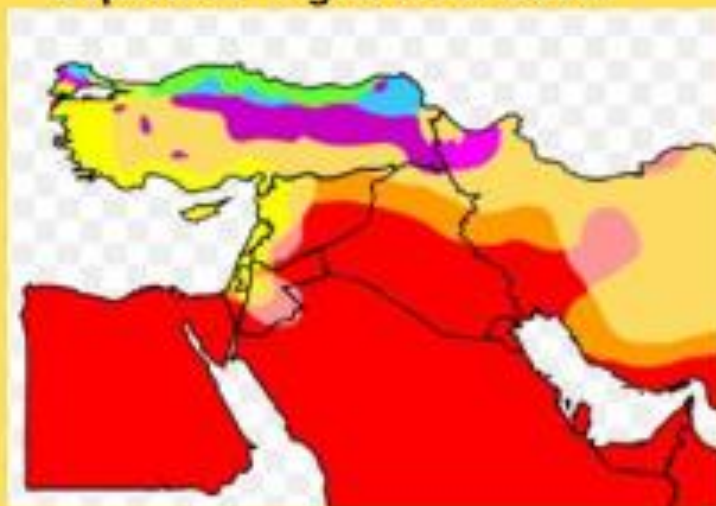
Zoom



WEBINAR

Water Scarcity in the
Context of Climate
Change

Projections for the Middle East
Euphrates -Tigris River Basin



14:00 - 16:15 PM (GMT + 3 Ankara)

23-24 February 2021

HYDROPOLITICS ACADEMY ,Turkey

Program and registration information
are available at the link below:

<https://www.hpacenter.org/>



SESSION 2

24 Feb.2021



14:00-14:20 Dr. Benjamin Pohl

What climate change will mean for the Middle East security and geopolitics

Head of Programme Climate Diplomacy and Security-adelphi
GERMANY



14:20-14:40 Dr.Azzam Alwash

Water as a tool for economic cooperation instead of political tensions

Founder and CEO, Nature Iraq, Member of the Board of Trustees of the American University of Iraq – Sulaimani, and Goldman Environmental Prize Laureate IRAQ



14:40 -15-10 Dursun Yıldız C.E

Effects of Climate Change on Food Security in the Region

President of Hydropolitics Academy

Part Time Lecturer in International Water Resources Department of İzmir Institute of Technology .Turkey

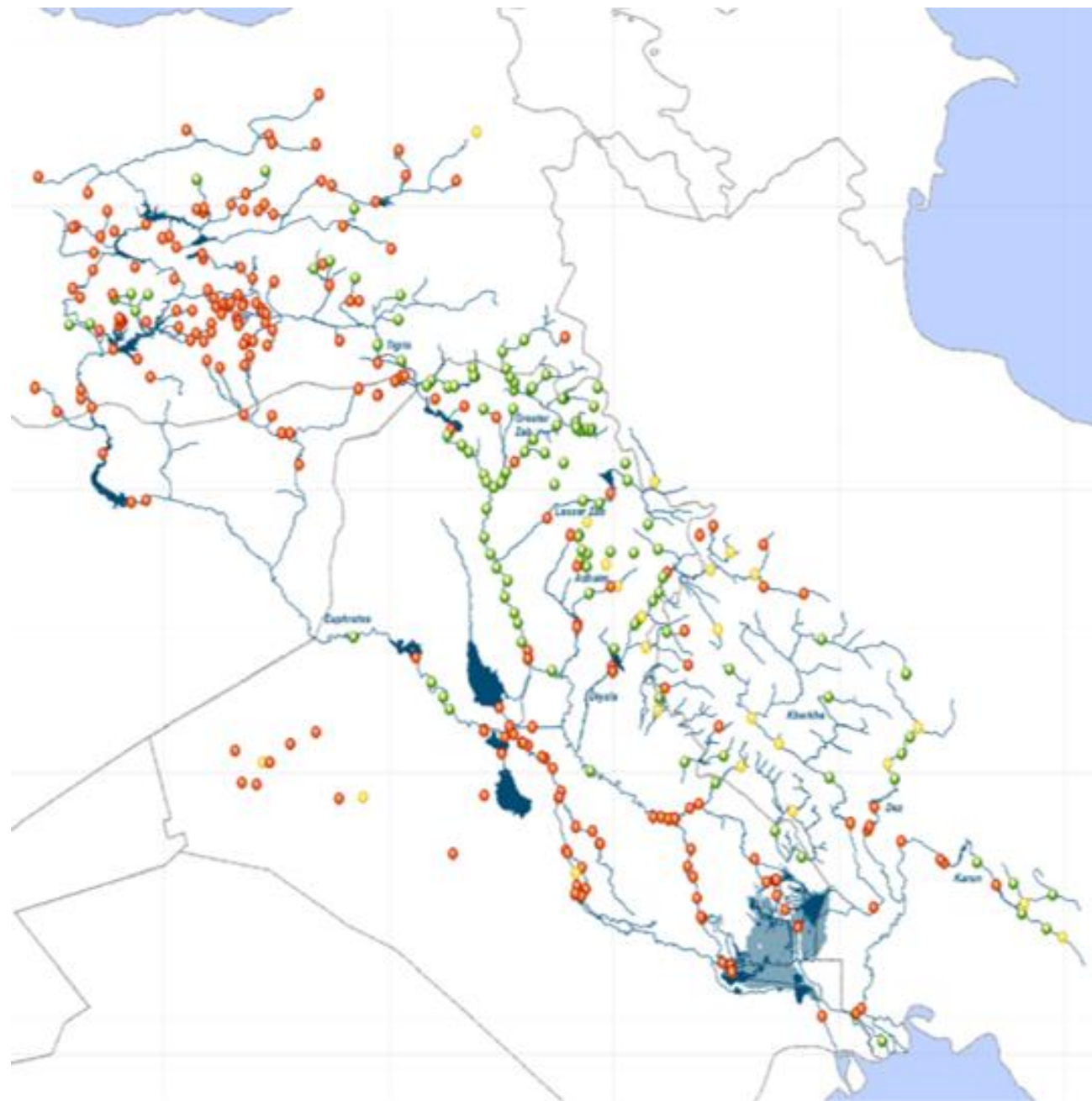


15:10-15:30 Kamal Jalouqa Moderator

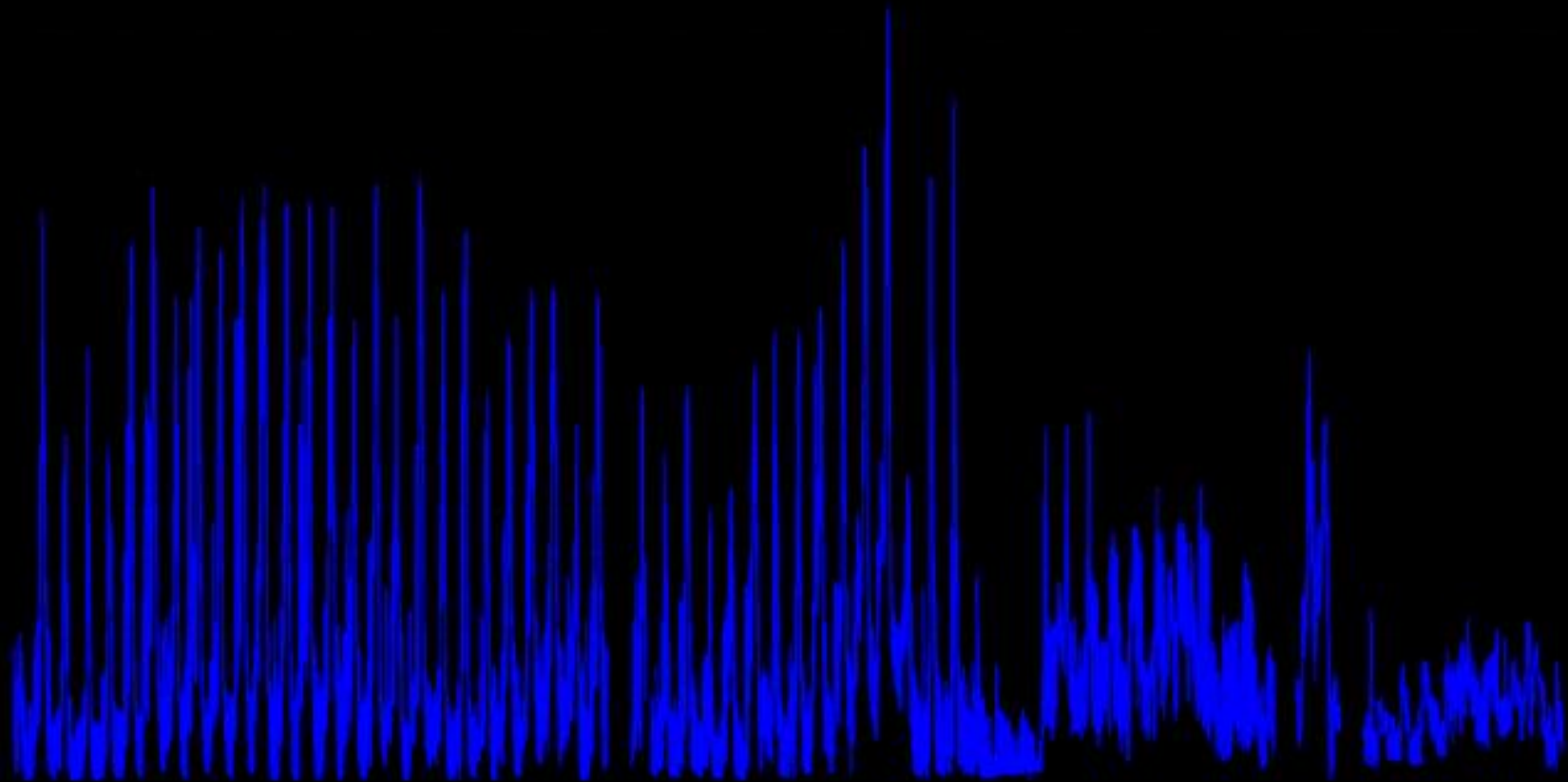
Technology as a tool in Water Diplomacy ,Euphrates and Tigris Basin

MA in Development Studies . Amman Jordan

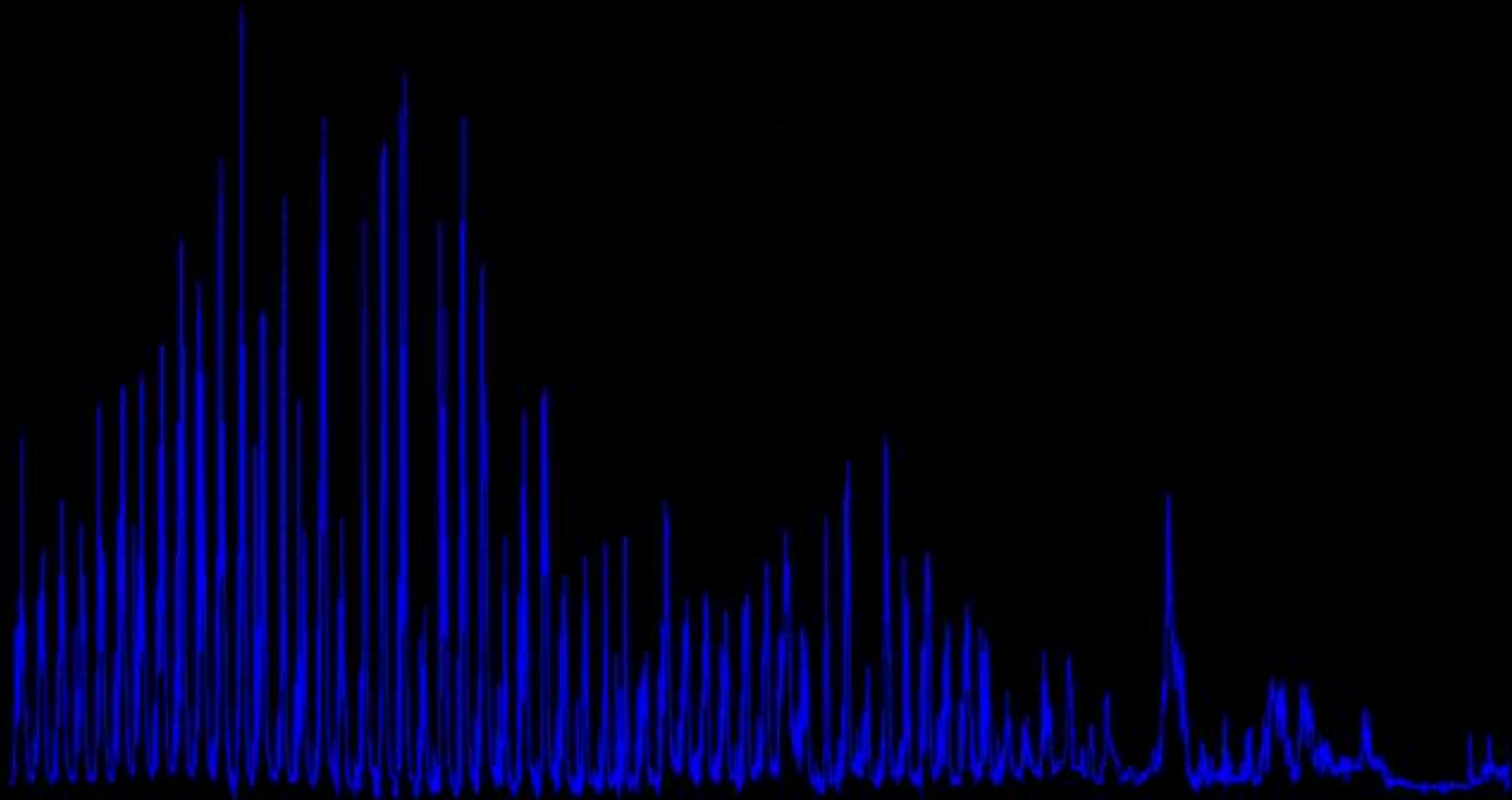
15:30 -16:00 Q&A and Closing Remark



Hydrographs for Euphrates River



Hydrograph of Tigris



It is BANKRUPCY, not CRISIS

Floods washed the salts and added
nutrient rich soils made irrigated
agriculture sustainable in Iraq for over
six millennia

2020
40 mm

2030
53 mm

2050
80 mm

OIL INCOME VANISHING

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

- Iraq's evaporation rate is 3 m on average per annum - 10 billion m³
- Iraq' predicted deficit in SWLRI is 11 billion in 2035
- Managing the headwaters together is THE solution. But HOW?
- STEP WISE CONFIDENCE BUILDING MEASURES - leading to integration.

Thinking outside the box

Trust Building

- Musil dam and Ilisu?
-
- Grouting of foundation will be easier with empty reservoir.
- Musil reservoir loses 1 billion m³ per year to evaporation and infiltration. Managing Ilisu together will save 1 billion m³
- Buy electricity of Ilisu, reduction of losses of electricity to transportation means more income to Turkey
- Price? Let's talk?

Thinking outside the box

SUSTAINABLE ELECTRICITY

- PV in south Iraq, (save unsold in reservoirs)
- Hydropower in Turkey & Iraq and Iran,
- Turbines - where we can
- Thermal plants on grid
- Manage the grid through bidding process and smart meters with new transportation grid

Thinking outside the box

Agriculture

- Modernize irrigation region wide
- - Drip vs flood
 - Vegetables vs cereal crops
 - Less salinity
- Modernize Irrigation region wide
- Hypotonic Agriculture Under PV Farms
- Harvesting the atmospheric moisture/Saline

Thinking outside the box

Transit Rights/Trade

- Allow for Transit Trucking between Gulf and Europe through Iraq and Turkey
- CMR convention for ME?
- 4 B's Train revival?

Thinking outside the box

EU started with a
coordination agreement
between France and
Germany
on production of Coal and
Steel
..... May 1950 !

A photograph of a sunset over a body of water. The sky is a gradient of colors from dark blue at the top to bright orange near the horizon. The water reflects the orange light, and there are dark, silhouetted shapes in the foreground, possibly rocks or a beach.

Thank You

Dr. Azzam Alwash