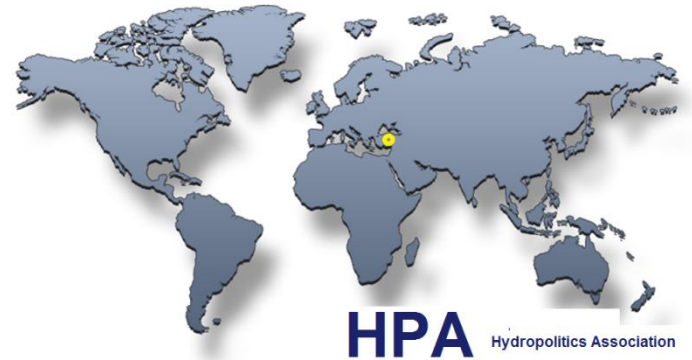


# Hydropolitics Association



---

Welcome





<http://topraksuenerji.org>

2009



*Hydropolitics Academy*



**HİDROPOLİTİK AKADEMİ**  
[www.hidropolitikakademi.org](http://www.hidropolitikakademi.org)

2013



2015

---

HYDRO POLITICS ASSOCIATION



**Contact Us**

---



**HPA**

Hydropolitics Association

# A Think-Tank, Research and Training Center



**HPA**

Hydropolitics Association of Turkey







**HPA**

is a member of

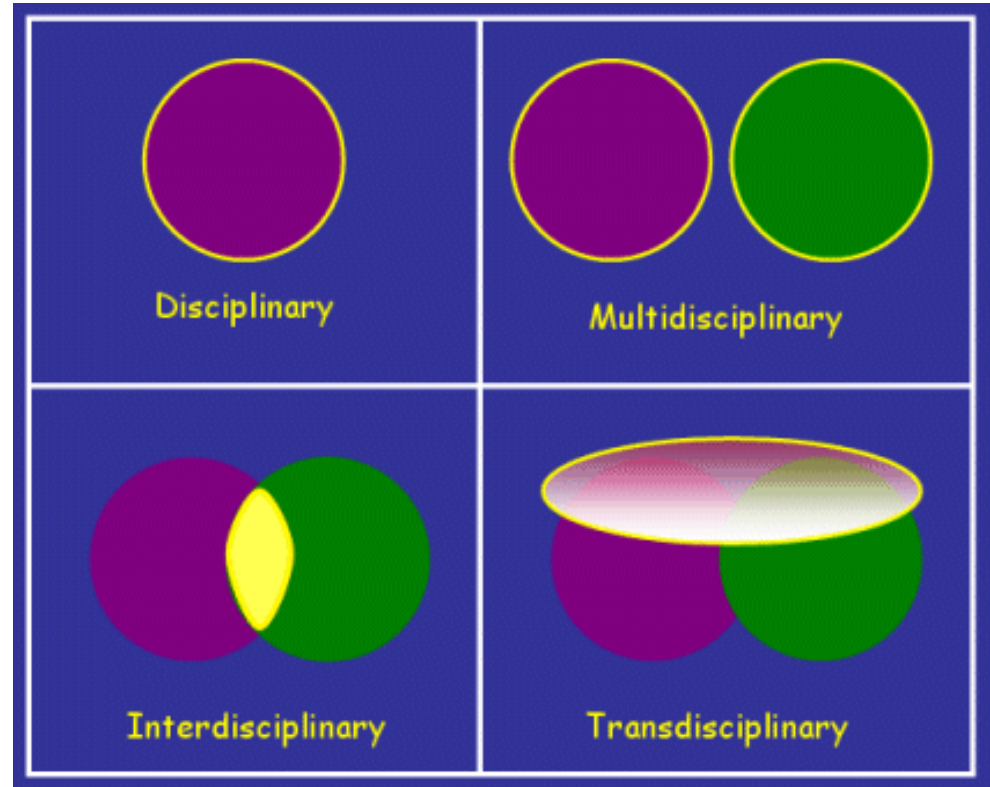


Central Asia and the Caucasus Association  
of Agricultural Research Institutions



# We Study

- On the base of **SCIENCE**
- For the benefit of **SOCIETY**



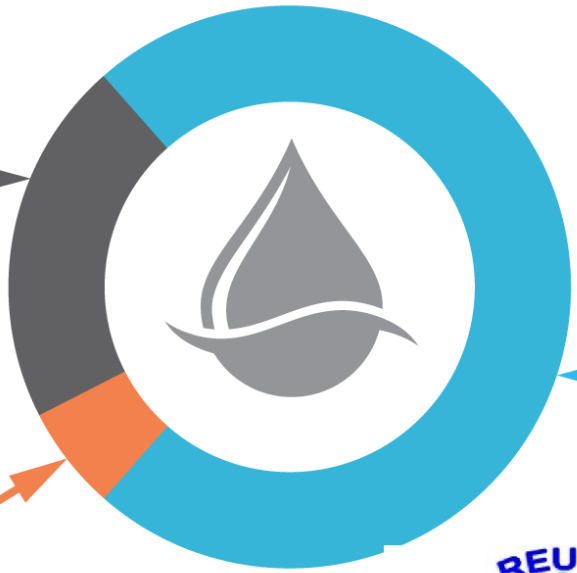




**MUNICIPAL USE**



**INDUSTRIAL USE**



**AGRICULTURAL USE**



**Hydropolitics  
Association**

---

We need to built a future,  
Where people live in harmony with nature

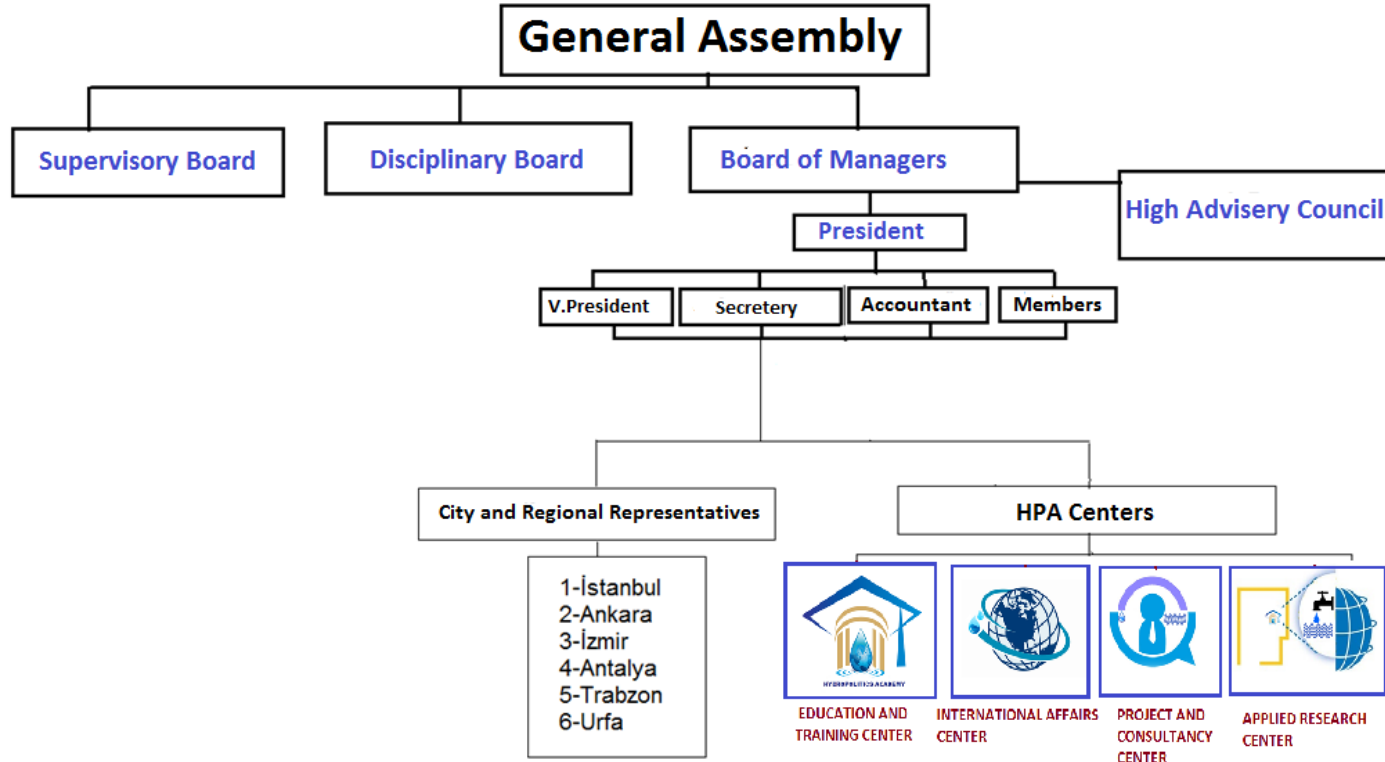
HPA

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*Think Forward , Lead Forward*

# Organisational Structure

## Hydropolitics Association



# CENTERS

## HPA CENTERS



**EDUCATION AND  
TRAINING CENTER**



**INTERNATIONAL AFFAIRS  
CENTER**



**PROJECT AND  
CONSULTANCY  
CENTER**



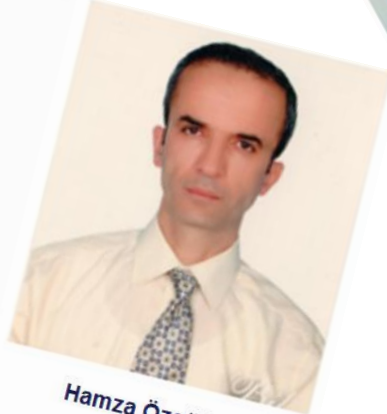
**APPLIED RESEARCH  
CENTER**

# HPA

- Heads of the Centers



HYDRO POLITICS ASSOCIATION  
INTERNATIONAL AFFAIRS



Hamza Özgüler



Assoc. Prof. Dr. Doğan Yıldız



HPA  
PROJECT & CONSULTANCY



# HYDROPOLITICS ASSOCIATION -Board of Directors



## HPA Board of Directors

Dursun Yıldız

President



Hasan Tahsin Keskin

Vice President

State Officer



Ertuğrul Keskin

Accountant

State Officer (R)



Prof. Dr. Doğan Yaşar

Member

University Lecturer



Assoc Prof Dr Doğan Yıldız

Member

University Lecturer .





# CENTER 1-EDUCATION & TRAINING

## Hydropolitics Academy



**Executive Board**

**Dursun YILDIZ**

**Director**



**Prof.Dr Doğan YAŞAR**

**Deputy Director**



**Assoc.Prof.Doğan YILDIZ**

**Board Member**



**Nuri YILDIRIM**

**Board Member**



**Özdemir Özbay**

**Board Member**



# CENTER 2 –APPLIED RESEARCH



HPA APPLIED RESEARCH CENTER - İstanbul / Turkey



Prof. Dr. Ali Hakan Büyüklü

Applied Economics



Assoc. Prof. Dr. Yavuz ILGAZ



Dr. Nüvit SOYLU  
Irrigation



Dursun YILDIZ  
Water Policy



Assoc. Prof. Dr. Doğan  
YILDIZ  
Econometrics



Assoc. Prof. Dr. Nuran  
ÇAKIR YILDIZ  
Economics



Assoc. Prof. Dr. Atıf EVREN

Applied Statistics



Researcher Mehmet Şamil GÜNEŞ



Prof. Dr. Hızır ÖNSOY  
Hydrology



Dr. Ş. Saim Efelerli  
Drinking Water



Assoc. Prof. Dr.  
Vildan Gündoğdu  
Environment



Prof. Dr. Doğan Yaşar  
Marine Science

# CENTER 3 –INTERNATIONAL AFFAIRS



Hamza Özgüler

## HPA International Affairs Center

Executive Board

Hamza Özgüler

Director



Prof. Dr. Hüseyin Polat

Member

International Consultant

Haldun Otman

Member

Ambassador (R).

Molla Gürani Koç

Member

International Consultant



# CENTER 4- PROJECT & CONSULTANCY



## HPA Project and Consultancy Center

### Executive Board

Yusuf Başlamış

Director



Prof. Dr. Hüseyin Polat

Member

International Consultant

Prof. Dr. Semra Uluatam

Member

University Lecturer (R).

Harun Yaşar Kutoğlu

Member

University Lecturer(R)





# ACTIVITIES



**INVITATION TO PANEL-DISCUSSION**  
**07-06-2016**  
Ankara/Turkey

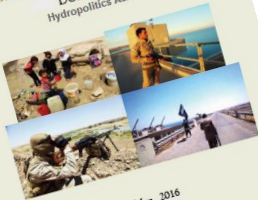
Mass Migration  
and  
Water  
Related Issues

Hydropolitics  
Academy

Monday Meetings - SPRING 2016

Conference

on  
Why and How is the "Transboundary Water  
Equation" Changing in the New Middle East?  
DURSUN YILDIZ  
Hydropolitics Association



16 May 2016

14:00-16:00

A-310 Doyun Salonu

Öküzler Parkı, Döğüş Sıkırı, A Blok, Yıldız (Kampüs)

YILDIZ TECHNICAL UNIVERSITY - ISTANBUL - TURKEY



HYDRO POLITICS ASSOCIATION

CONFERENCE

on  
Changes

in the water quantity and quality of the  
Euphrates River

BASED ON

documental analysis on flow data from 1970 to 2010 for the river at the Turkish-Syrian border,  
collected samples from the Turkish-Syrian and Syrian-Iraqi borders to identify levels of salinity  
through laboratory analysis and mostly, on extensive field works.

Prof.Dr.LUIS ANTONIO BITTAR VENTURI

UNIVERSIDADE DE SÃO PAULO/ BRASIL

Date : 20 December 2015

Hour : 14:00

Place: Hydropolitics Academy

.Gülte Sok 8/9 Kavaklıdere (ANKARA) TURKEY

Tel: +90 312 417 00 41









IARJSET  
International Advanced Research Journal in Science, Engineering and Technology  
150-2297-2607 Certified  
Vol. 3, Issue 9, September 2016

**Africa in Motion: Why the rush to build Grand Renaissance and Inga 3 Dams in Africa?**  
Mehmet Sami Özgen,  
Ankara, Turkey  
Mehmet Sami Özgen,  
Istanbul, Turkey

Assist. Prof.  
Abstract: It is worth



# الجمهورية

الأحد 18.8.2016



## يلدزل "الجمهورية": تغيير حدود الشمال السوري يُبدّل المعادلة المائية للشرق الأوسط



أوروبا  
في العالم

في ظل التطورات التي يشهدها  
الشرق الأوسط، والتي تدلّ على  
والتغييرات الجذرية في المنطقة  
على المستوى العالمي، فإن  
الحدود التي تحدّد المنطقة  
في الشرق الأوسط هي محلّ جدل  
في ضوء التغييرات الجذرية التي  
يواجهها الشرق الأوسط، وعلى ما  
يبدو أنّها قد أصبحت الآن  
موضوعاً للجدل في الشرق الأوسط.

تعدّ سوريا الآن جزءاً من  
الشرق الأوسط من الزوايا المتعددة إلى  
مناطق الشرق الأوسط في المتوسط إلى  
على الحدود الشمالية والوسطى بين  
الشرق الأوسط في الشرق الأوسط في الشرق  
الوسطى في الشرق الأوسط  
والمتوسطية التي تشكلت في  
في الشرق الأوسط في الشرق  
المتوسطية في الشرق الأوسط في الشرق  
المتوسطية في الشرق الأوسط في الشرق

14 - 15 Ekim 2016

PAMUKKALE ÜNİVERSİTESİ -Dentizi

## Sempozyum

### Laodikya Su Yazıtı, Anadolu'da Suyun Tarihi ve Bugünü



SPD HİDROPOLİTİK  
AKADEMİ



## BİLİMİN SAVUNUSU

Prof. Dr.D.Ali Ercan  
1 Ağustos 2016



Yer : SPD Hidropolitik Akademi  
Güfte Sok. 8/9 Kavaklıdere/Ankara  
Tarih : 1 Ağustos 2016  
Saat : 10 00  
Tir : 417 00 41

## KONFERANS

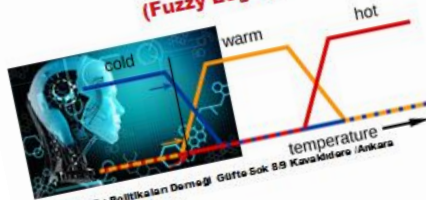
SPD  
Hidropolitik Akademi  
Merkezi

## KONFERANS

4 Ağustos 2016- Saat: 10 30

Prof Dr D. Ali Ercan

## Kararlarda Bulanık Mantık (Fuzzy Logic)

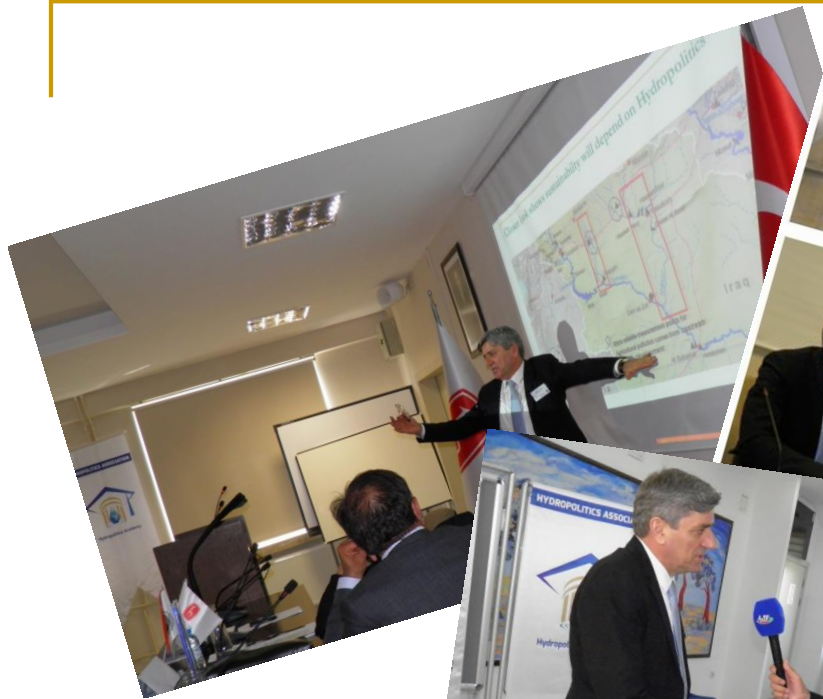


Yer: SPD Hidropolitik Akademi  
Güfte Sok 8/9 Kavaklıdere /Ankara  
Tarih: 4 Ağustos 2016  
Saat: 10 30  
Tel: 417 00 41











Hydropolitics Academy

# Mass Migration and

# Water Related Issues

07 June 2016 Ankara - Turkey



International Relations Committee



HACETTEPE  
ULUSLARARASI  
İLİŞKİLER  
TOPLULUĞU

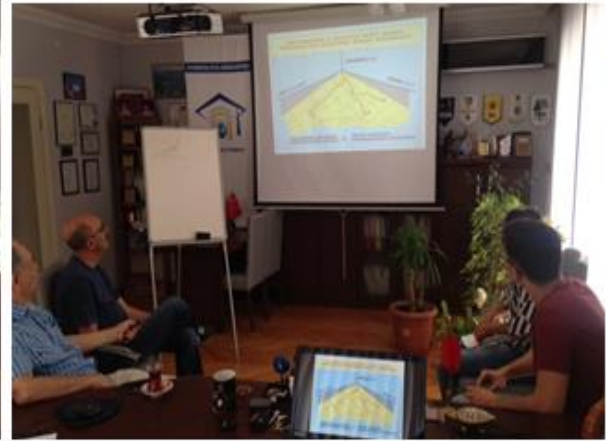






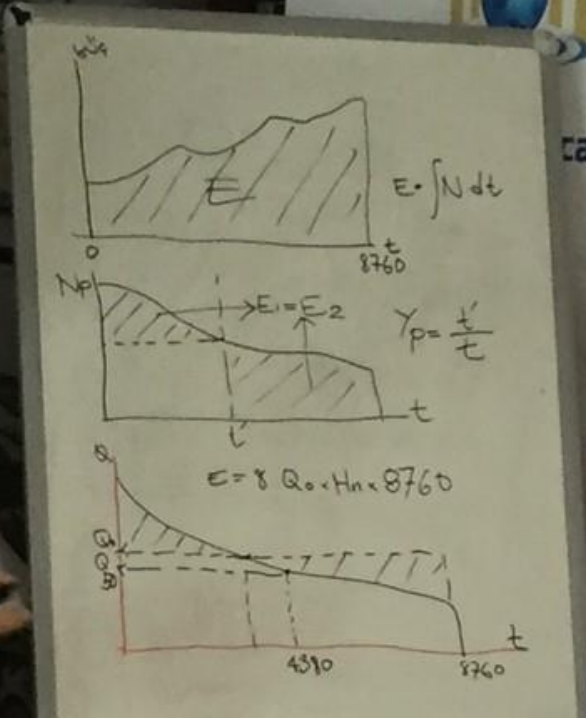
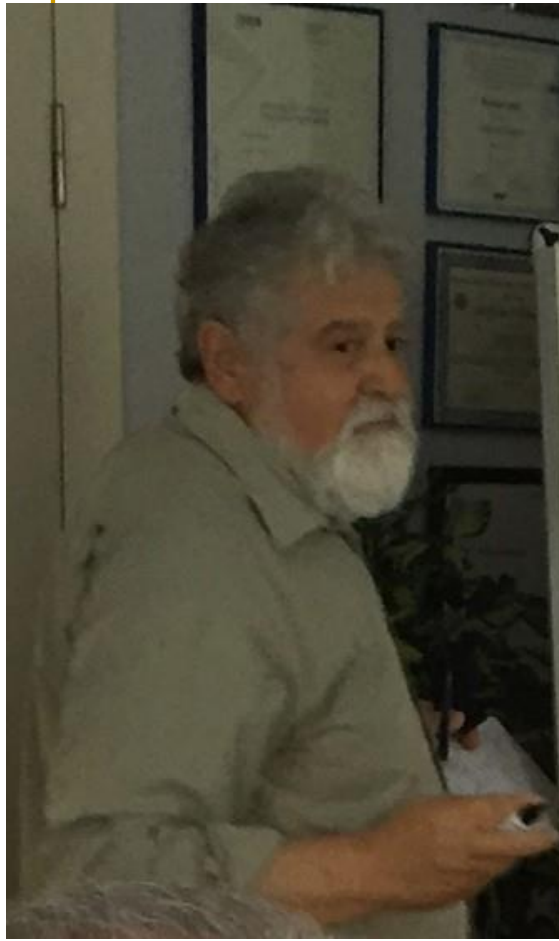








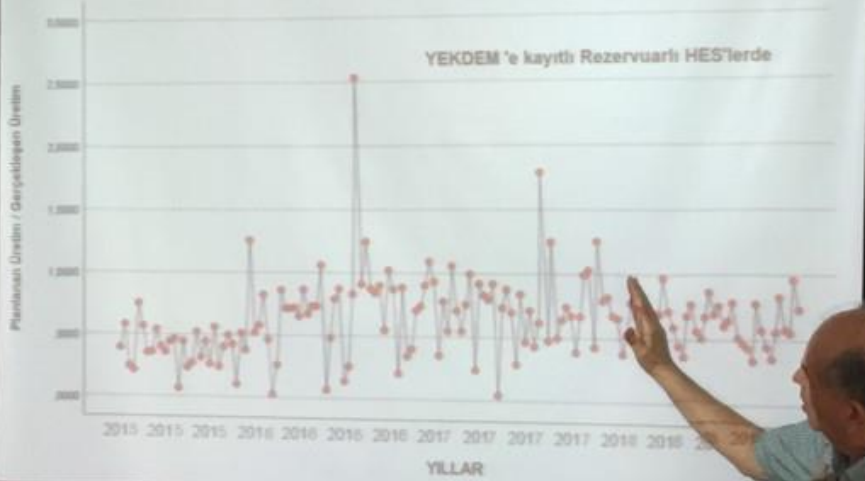




Academy



HYDROPOLITICS ASSOCIATION



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Hydropolitics Academy



















Phone: +90 312 417 40 42

Fax: +90 312 417 40 47

E-mail: [info@hidropolitikaakademisi.org](mailto:info@hidropolitikaakademisi.org)

Çiğdem Sok. No:11/19 06680  
Kavaklıdere/ Ankara-Turkey

03 October 2016

# FUTURE BEGINS TODAY -CHANGING FUTURE-

-SOCIETY, SECURITY, CLIMATE- **CONFERENCE**



## Hydropolitics Academy -Turkey



Prof. Dr. Juarndyr Ross-Brasil  
Prof. Dr. Ligia Vizeu Barrozo - Brasil  
Prof. Dr. Luis Antonio Bittar Venturi -Brasil  
Dursun Yıldız -Turkey



# Some Distinguish Temporary Members of Hydropolitics Association



Prof. Ross



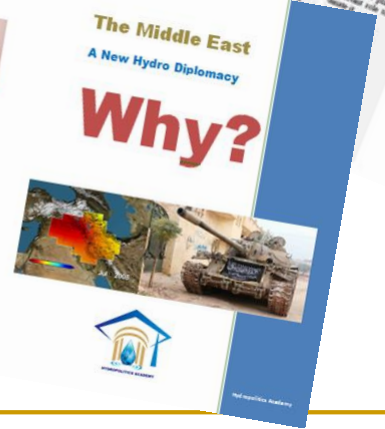
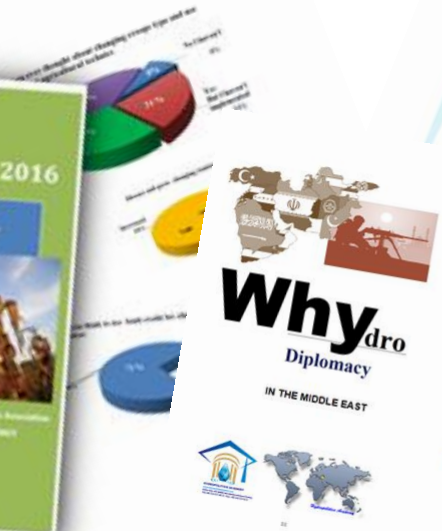
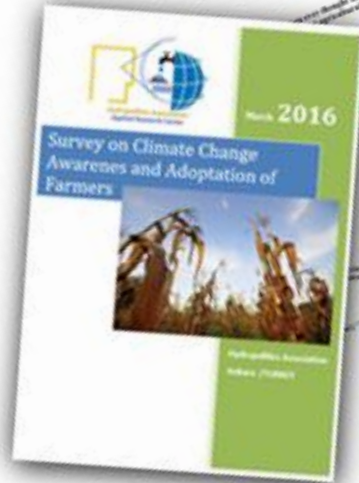
Prof. Barrozo



Prof. Venturi



# PUBLICATIONS



## Capacity Factor Investigation of HEPP's in Turkey





March 2016

## Survey on Climate Change Awareness and Adoption of Farmers



Hydropolitics Association  
Ankara /TURKEY

March 2016



## PRELIMINARY REPORT

March 2016

Ankara-Türkiye SPD ©2016





2017

## Demographic Changes in Turkey's Farmers



THE PROJECT ON DEMOGRAPHIC AND STRUCTURAL CHANGES IN TURKEY'S AGRICULTURE

HPA-TÜSKOOP-BİR-YTÜ

Hydropolitics Association

Applied Research Center

April 2017



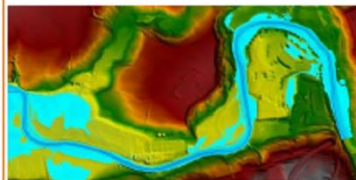


**ZEBRA MUSSEL  
INFESTATION RISK ASSESSMENT  
&  
SITUATION ANALYSES  
in the Susurluk River Basin in TURKEY**



2018

The Hydropolitics Academy Center of the Hydropolitics Association & Yildiz Technical University Applied Statistics Research Center



2018

**ENGINEERING HYDROLOGY**

**DOGANPINAR POND  
AND  
IRRIGATION PROJECT**



HYDROPOLITICS ACADEMY

Hydropolitics Academy

1.5.2018



**ZEBRA MUSSEL**  
INFESTATION RISK ASSESSMENT  
&  
SITUATION ANALYSES  
in the Susurluk River Basin in TURKEY



2018

The Hydropolitics Academy Center of the Hydropolitics Association & Yildiz Technical University Applied Statistics Research Center



Hydropolitics Academy Center & Yildiz Technical University Applied Statistics Research Center





2018

COMPARISON TEST OF CONVENTIONAL  
CHEMICAL NUTRITION and A NEW NUTRITION  
SYSTEM  
IN  
SOILLESS GROWN TOMATO



W

Hydroponics Association  
APPLIED RESEARCH CENTER  
September 2018



September- 2018

Ankara -Turkey HPA ©2018

1

1



**A SOCIAL-ECONOMIC DEVELOPMENT  
STRATEGY FOR UZBEKISTAN;  
IMPROVEMENT OF THE SALINED LANDS**



April - 2017



**INDUSTRIAL LIVESTOCK PRODUCTION BASED ON BIOSALINE  
AGRICULTURE**



**HYDROPOLITICS ACADEMY**  
www.hydropoliticsacademy.org  
40/11a, St. 100001, Navoiy Avenue, Navoiy, Uzbekistan  
Phone: +998 91 201 80 81 Fax: +998 91 201 81 01





## SOLAR POWERED IRRIGATION DEVELOPMENT IN GAMBIA

A SOLAR ENERGY BASED INTEGRATED  
PROJECT PROPOSAL

Prepared by



AN INTEGRATED PROJECT PROPOSAL

Improving Productivity of Gambian farmers project



HPA

March-2017

## The Middle East

A New Hydro Diplomacy

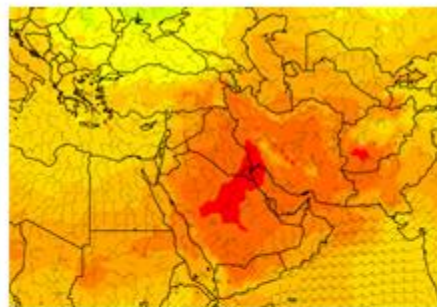
# Why?



Hydropolitics Academy

Report No.: 8

# Whydro Diplomacy



Ankara 2016





# Articles-Papers

Imperial Journal of Interdisciplinary Research (IJIR)  
Vol-2, Issue-8, 2016  
ISSN: 2454-1362, <http://www.onlinejournal.in>

## **Comparison Of The Long Term Natural Streamflows Trend Of The Upper Tigris River**

**Dogan YILDIZ<sup>1</sup>, Dursun YILDIZ<sup>2</sup> & Mehmet Samil GUNES<sup>3</sup>**

<sup>1</sup>Department of Statistics, Yildiz Technical University, Davutpasa, 34220, Istanbul, Turkey

<sup>2</sup>Director of Hydro politics Association, Kavaklidere, Ankara, Turkey

<sup>3</sup>Researcher in Applied Research Center of Hydro politics Association, Kavaklidere, Ankara, Turkey

Available online at [www.worldscientificnews.com](http://www.worldscientificnews.com)



## World Scientific News

EISSN 2392-2192

WSN 12 (2015) 70-80

### International Water Issues Need More Than Cooperation

**Dursun Yıldız**  
Hydropolitics Academy Association, Ankara, Turkey  
E-mail address: [dyildiz@hidropolitikakademi.org](mailto:dyildiz@hidropolitikakademi.org)

Available online at [www.worldscientificnews.com](http://www.worldscientificnews.com)



## World Scientific News

WSN 47(2) (2016) 279-297

EISSN 2392-2192

### Natural Diminishing Trend of the Tigris and Euphrates Streamflows is Alarming for the Middle East Future

**Dursun Yıldız**  
Hydropolitical Expert  
Director of Hydropolitics Academy, Ankara, Turkey  
E-mail address: [dyildiz@hidropolitikakademi.org](mailto:dyildiz@hidropolitikakademi.org)



**IARJSET**

International Advanced Research Journal in Science, Engineering and Technology

ISO 3297:2007 Certified

Vol. 3, Issue 9, September 2016

ISSN (Online) 2393-8021

ISSN (Print) 2394-1550

## Africa in Motion: Why the rush to build Grand Renaissance and Inga 3 Dams in Africa?

Dursun Yildiz<sup>1</sup>, Dogan Yildiz<sup>2</sup>, Mehmet Samil Gunes<sup>3</sup>

Director of Hydropolitics Association, Ankara, Turkey<sup>1</sup>

Assist. Prof. Dr., Statistics Department, Yildiz Technical University, Istanbul, Turkey<sup>2</sup>

Researcher, Hydropolitics Association, Ankara, Turkey<sup>3</sup>

**Abstract:** It is worthwhile to search that what really drives the two large dam's construction rush in Africa? To





# New Security Concept and Analytical-Transdisciplinary Approaches to Hydro Politics

Dursun YILDIZ, Dogan YILDIZ, Mehmet Samil GUNES

**Abstract**— Sustainable water management in transboundary river basins have gained more importance related with climate change induced uncertainty that have increased since last 30 years. It is obvious that beside of water shortage, uncertainty also can create more tension between neighbouring countries in near future. Because the current status of governance of transboundary basins shows that 60% of transboundary basins do not have any agreements. One can also see that 80% of existing agreements are bilateral. Beside of this situation many agreements don't provide for regular data-sharing/ notification. They also don't establish water allocation & benefit-sharing criteria/processes. They don't contain dispute prevention/settlement rules and don't apply to entire river basin / aquifer system, etc. It seems that a new generation of literature will have somehow different hydro-politics definition to cover the new security concept that is different than that of cold war era security. This will influence the hydro diplomacy concepts in international relationships in the 21st Century. In an attempt to help to clarify a new hydro politics concept, the article proposes an analytical-transdisciplinary approach to Hydro Politics Research. But this study does not attempt to have the final say or an exact definition on new hydro-politics concept. The philosophy behind this study is to identify the hydro-politics in connection with new world order and new security concept of 21st Century. In this Century Climate change related Water, Energy, Food, Environment security and their interrelations will play more important role for national and regional security issues.

**Index Terms**— Analytical Approach, Improved Hydro-politics, New Hydro-politics, New Water Diplomacy, Paradigm Shift, Transdisciplinary Research

## 1 INTRODUCTION

There has been little advancement in the development of applicable and effective frameworks for realistic international water cooperation during last 60 years. But the world population lives in transboundary river basins has increased and reached approximately 45% of the total popula-

## 2 ANALYTICAL APPROACH

An analytical approach can be defined as the use of an appropriate process to break a problem down into the smaller pieces necessary to solve it. In this case each piece be-

# The Long Term Natural Streamflows Trend of the Upper Tigris River

Dogan Yildiz, Dursun Yildiz, Mehmet Samil Gunes

## Abstract

The Tigris River is a transboundary river that plays a very important role on security, peace and stability in the Middle East. This paper presents trend analysis of the forty-year period of yearly streamflows obtained from Upper Tigris Basin.

Because of the review of major trend studies for this a privileged variable, a streamflow trend analysis seemed to be an important necessity.

...ent role on security, peace and  
...the forty-year period of

# Prediction of The Upper Euphrates Long Term Natural Streamflows Trend

D. YILDIZ<sup>a</sup>, D. YILDIZ<sup>b</sup> and M. S. GUNES<sup>c</sup>

<sup>a</sup>Department of Statistics, Yildiz Technical University, Davutpaşa, 34220, Istanbul, Turkey

<sup>b</sup>Director of Hydro politics Association, Kavaklıdere, Ankara, Turkey

<sup>c</sup>Researcher in Applied Research Center of Hydro politics Association, Kavaklıdere, Ankara, Turkey

## Abstract

The Euphrates and Tigris River system is a transboundary river system and of critical importance for water, food and energy security in Turkey, Syria and Iraq. Therefore it is of



SU POLİTİKALARI DERNEĞİ

Uygulamalı Araştırma Merkezi

# Books

Central Asia has the scene of competition between global forces mainly because of its energy and water potential. Although 23 years have passed since the collapse of the Soviet Union, Central Asia has made little progress in improving water management and hydrological issues. Not only is water a source of conflict, but mismanagement of water has become a key to access to improved water management and hydrological issues. Not only is water a source of conflict, but mismanagement of water has become a key to access to improved water management and hydrological issues. Not only is water a source of conflict, but mismanagement of water has become a key to access to improved water management and hydrological issues.



## The Future of Central Asia Role of Water Management

Dursun Yildiz



The author is an expert on hydrogeology. He is a civil engineer with 25 years of experience in the State Hydraulics Works. He got his master degree in Water Politics and has lectured in different universities. Dursun Yildiz has written several books and published many papers. He is now a director of Hydrogeology Association (NGO).



978-3-659-68470-8



The Need of New Water Politics



## The Need of New Water Politics

From Aral Sea To Dead Sea

Dursun Yildiz



The author is an expert on hydrogeology. He is a civil engineer with 25 years of experience in the State Hydraulics Works. He got his M.Sc. degree in Water Politics and has lectured in different universities. Dursun Yildiz has written a few books and published several papers. He is now a director of NGO (Hydrogeology Association).



978-3-659-82354-3





# Distance Lectures-Conferences



# Training Programs



Water Management  
Water Security  
Food Security  
Energy Security  
Water Economy  
Water Policy  
Resilience Cities

**HYDRO POLITICS ACADEMY**

**HPA TRAINING PROGRAMME**  
Short Courses

**TRAINING PROGRAMME**



# International Relations



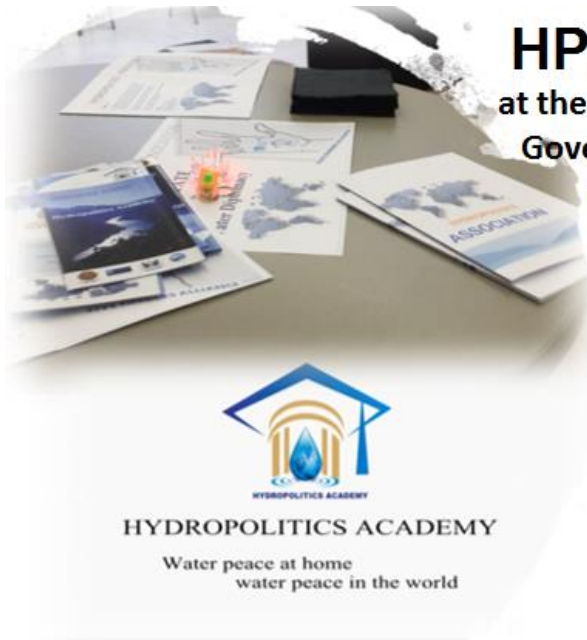








**HPA** was a candidate  
at the election of the Board of  
Governors 2019-2021  
**WORLD WATER COUNCIL**



**8th GENERAL ASSEMBLY of the WORLD WATER COUNCIL**





*Water Peace at home Water Peace in the World*

### Key Highlights 2016

- May, 2016 @ Ankara: Roundtable discussion in Ankara on “Middle East- From Sykes- Picot to Where?” with Prof.Dr. George W. Gawrych, an expert in Middle East & Military History at Baylor University-USA



- June 2016 @ Ankara: Conference on “Mass Migration and Water Related Issues” in cooperation with one of the most prominent universities in Ankara – Hacettepe University



HYDROPOLITICS ASSOCIATION

### Key Highlights 2018

- \*Aug, 2018 @ Amman: Roundtable discussion on Sustainable Water Management with participation of Prince of Jordan, El-Hassan bi Talal, in cooperation with Jordan German University



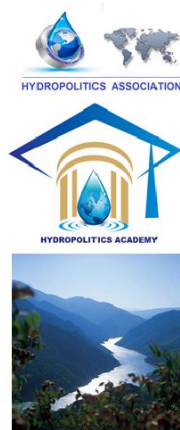




World first international symposium on water diplomacy

16-17 November 2016 Stockholm-Sweden

- Nov, 2016 @ Stockholm: Participation to the world's first international symposium on water diplomacy



\*Aug, 2018 @Istanbul: Keynote Speech during Iraqi Forum For Intellectuals & Academics' (IFIA) organized to discuss Iraq's water scarcity: Reality and Future Challenges



**PLANNED STUDIES 2019-2020**



**Circular Economy and Water**

**Subnational Hydropolitics**

**Climate Change Forced  
Migration**

**Renewables**

**HPA**

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Thank you  
for your attention

