

International Agricultural Research and Training Center

IARTC

Funda KIDOĞLU (*PhD*)
Agricultural Engineer
fkidoglu@utaem.gov.tr



Background

- Opened as “**Agrohydrology Research and Training Center**” (ARTC) in **1996**
- Transformed into “**International Agricultural Research and Training Center**” (IARTC) in **2009**
- Integration of the “**Soil and Water Resources Research Institute**” to IARTC in **2011**
- Works under the constitution of **General Directorate of Agricultural Research and Policies (GDAR)** of Ministry of Food, Agriculture and Livestock



Missions

- Preparation and carrying out international joint projects with institutes abroad,
- Organization of national and international courses, seminars, study tours, workshops, conferences etc., meetings for public, private and non- governmental organizations on demand
- Carry out consultancy services with specialization in Soil and Water Resources, and related issues, especially issues related to national and international level research activities.



Missions

- International Agricultural Extension
 - Agricultural research results and experience of GDAR members
 - Country presentations of participants
 - Possibility of gathering agricultural researchers from different countries



Topics

TRAINING

- Soil and water resources
- Climate change and drought
- Plant and animal production
- Plant and animal health
- Breeding agricultural and natural resources
- Food and agricultural technologies
- Rural development

RESEARCH

- Plant nutrition and Soil science
- Agricultural irrigation techniques
- Climate change and drought
- Integrated water resources management
- Sustainable use of natural resources
- Agricultural economy and rural development strategies

Some Co-operated Organizations for Research and Trainings

National

- Universities
- Research Institutions and Stations
- Water Users' Assoc.
- Izmir Development Agency
- Turkish Cooperation and Coordination Agency (TİKA)

International

- UN Food and Agriculture Organisation (FAO)
- EU
- Netherland National Agency
- Universities
 - Athens Agricultural University
 - Universidad de Castilla-La Mancha- Spain



IARTC

DIRECTOR

Revolving Fund

Internal Control Systems

Quality Management

Civil Defense

Technical Coordinator

Administrative Coordinator

Plant Nutrition and Soil Sciences Dept.

Climate Change and Basin Dept.

Mechanization and ICT Dept.

Agricultural Irrigation and Reclamation Dept.

Agricultural Economy Dept.

International Trainings Dept.

National Trainings Dept.

Production and Management Dept.

Human Resources

Accounting Services

Supporting Services

Maintenance Services

Publishing Services



Human Resources

Director	1
Technical Coordinator (<i>PhD</i>)	1
Administrative Coordinator	1
Agricultural Engineer (<i>PhD</i>)	3
Agricultural Engineer (<i>MSc</i>)	22
Agricultural Engineer (<i>BSc</i>)	5
Chemical Engineer (<i>BSc</i>)	2
Geology Engineer (<i>BSc</i>)	1
Meteorological Engineer (<i>BSc</i>)	1
Technician	2
Chief	2
Security officer	2
Officer status	1
Worker status	122
TOTAL	166



Publications

- Irrigation In The Basin Context (IWMI);
- The Impact of Climate, Agro technology, Soil and Socio-Economic Factors on Wheat Yields;
- The Impact of Climate, Agro technology, Soil and Socio-Economic Factors on Cotton Yields;
- Major Findings and Recommendations: The Impact of Climate Agro technology, Soil Socio-Economic Factors on Wheat Yields of Cotton and Wheat In The Aegean Region of Turkey

Annual Research Report: 41

Research Final Report: 154

Technical Publication: 45

Farmer Brochure: 39

TOTAL: 283



TRAINING

National

International

Others

Focused Areas

- 
- **Central Asia and Far East** (*Kazakhstan, Kyrgyzstan, Uzbekistan, Mongolia, Tajikistan and others*)
 - **Africa** (*Egypt, Tunisia, Morocco, Libya, Nigeria and others*)
 - **Middle and Near East** (*Jordan, Iran, Iraq, Syria and others*)
 - **Eurasia and Balkan Countries** (*Albania, Bosnia- Herzegovina, Macedonia and others*)

A coordinator has been assigned for each area



Training Activities

	National		International		Total	
	Activity	Participant	Activity	Participant	Activity	Participant
1996	8	231	3	38	11	269
1997	20	619	6	133	26	752
1998	16	653	9	405	25	1058
1999	11	518	4	82	15	600
2000	9	454	7	278	16	732
2001	2	80	7	355	9	435
2002	11	666	6	149	17	815
2003	13	470	3	17	16	487
2004	18	656	2	122	20	778
2005	9	835	1	28	10	863
2006	7	462	2	58	9	520
2007	20	1460	1	42	21	1502
2008	25	1951	1	53	26	2004
2009	4	235	7	189	11	424
2010	7	295	5	121	12	416
2011	12	648	13	314	25	962
2012	24	1171	13	340	37	1511
TOTAL	216	11404	90	2724	306	14128



INTERNATIONAL TRAININGS

Date	Title	Duration (day)	Nr. of Participants
2009	The Meeting Bringing Together The Six CE and The R&D Centers in OIC Member Countries	3	74
	Cereals Growing and Breeding	5	5
	Growing and Breeding of Pasture and Forage Crops	5	5
2010	International Course on Sustainable Management of Soil & Water Resources	12	27
	The Meeting of High Level Officials from OIC Member States on Food Security	3	90
	Integrated Pest Management	5	15
2011	International Training Workshop on " Sustainable Water Use in Conditions of Climate Change"	3	27
	Irrigation Training for Palestinian Growers	5	15







INTERNATIONAL TRAININGS

Date	Title	Duration (day)	Nr. of Participants
2011	2 nd International Course on Sustainable Management of Soil & Water Resources	12	30
	Cultivation of Apple and Cherry	6	28
	Postharvest Physiology and Technology	6	24
	Organic Farming	6	28
	Vegetable Growing	6	27
2012	3 rd International Course on Sustainable Management of Soil & Water Resources	12	22
	Gene Bank Management and Biodiversity	5	20
	Agricultural Irrigation and Plant Nutrition	5	10
	Basin Hydrology and Soil Conservation	5	16
	Integrated Pest Management	5	9





The annual international training on “**Sustainable Management of Soil and Water Resources**” organized by our Center since 2010 has become an internationally-recognized training by the support of our General Directorate and satisfaction of all participants.





International Training on Sustainable Management of Soil and Water Resources (2010-2012)

- 63 Participants
- 22 foreign countries
 - Bulgaria, Egypt, Ethiopia, India, Iran, Iraq, Ivory Coast, Jordan, Kazakhstan, Macedonia, Mongolia, Morocco, Nigeria, Oman, Pakistan, Romania, Slovakia, Syria, Thailand, Tunisia, Ukraine, Uzbekistan
- 26 Lecturers
 - Research institutes, stations, universities, governmental organizations, private sector



Topics of International Training on Sustainable Management of Soil and Water Resources

- Irrigation Water Management
- Soil & Water Analyses for Irrigation
- Utilization of Marginal Water on Irrigation
- Design of Surface Irrigation Methods
- Climate change, drought and the role of the micro irrigation on the sustainability of soil and water resources
- Methods and Techniques on Programming of Irrigation
- Computer Modeling on Prediction of Water Consumption and Constitution of Irrigation Program
- Some International Research Projects Carried Out in Turkey



Topics of International Training on Sustainable Management of Soil and Water Resources

- Sustainability of Soil Resources (Inventory, Classification & Mapping, Evaluation)
- Integrated Nutrient Management
- Soil Fertility and Sustainable Agriculture
- Plant Nutrition and Nutrient Deficiencies
- Soil Microbiology and Use of Microorganisms in Agriculture
- Water-Yield Relationships
- Soil-Plant-Water Relationships
- Soil Salinity and Reclamation
- Water and Wind Erosion and Erosion Control Techniques

INTERNATIONAL TRAININGS in 2013

Date	Title	Duration (day)
13-17 May	International Course on Agricultural Mechanization and Information Technologies	5
24 June-5 July	4 th International Course on Sustainable Management of Soil & Water Resources	12
19-23 August	2 nd International Course on Gene Bank Management and Biodiversity	5
16-20 Sept.	International Course on Plant Nutrition and Soil Management	5
30 Sept.- 4 Oct.	International Course on Agricultural Irrigation	5
21-25 Oct.	2 nd International Course on Vegetable Growing	5
04-08 Nov.	2 nd International Course on Basin Hydrology and Soil Conservation	5
18-22 Nov.	3 rd International Course on Integrated Pest Management	5
02-06 Dec.	2 nd International Course on Organic Farming	5

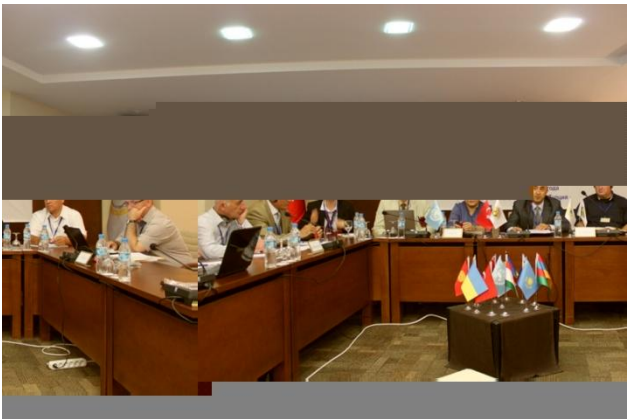
OTHER INTERNATIONAL TRAININGS

Date	Title	Duration (day)	Nr. of Participants
2009	The Meeting Bringing Together The Six CE and The R&D Centers in OIC Member Countries	3	74
	PLEIADES Project Meeting	4	60
	Irrigation Water Management	10	17
	Irrigation Training for Afghanistan	4	12
	1 st Working Committee Meeting on the Establishment of D-8 Seed Bank	3	16
2010	Training Workshop on Drought Preparedness and Management	5	36
	FAO Pesticides and Pest Management in Central Asia and Turkey	2	25
	FAO Workshop on Irrigation Performance and Modernization	12	18



OTHER INTERNATIONAL TRAININGS

Date	Title	Duration (day)	Nr. of Participants
2011	FAO Improving Farm Management Strategies to Improve Crop Water Productivity Using AquaCrop	5	33
	FAO The Regional Information and Training Workshop on ENHANCING FOREST POLICY PROCESSES	4	32
	FAO Sub-regional Workshop on the Quality of Pesticides, Specifications and Equivalence	5	22
	FAO Training of Trainers on Obsolete pesticides inventory and safeguarding	12	25
2012	FAO Sub Regional Workshop on Assessing and Strengthening of Agricultural Innovation Systems in Azerbaijan, Kyrgyzstan, Tajikistan, Turkey and Uzbekistan	5	38
	FAO The regional training workshop on Registration of Pesticide Applying Equipment	5	32
	FAO The regional training workshop on "Land Use System Mapping and Land Degradation Assessment Tools"	12	25



GAP Agricultural Research Institute



- New Technologies in Agriculture
- Education of Farmers, Technicians, Students





THANK YOU



www.utaem.gov.tr