

# 75<sup>th</sup> International Executive Council meeting & 9<sup>th</sup> Asian Regional Conference



75<sup>th</sup> IEC Meeting & 9<sup>th</sup> Asian Regional Conference  
1-7 September 2024, Sydney, Australia





**WATER**  
ACTION DECADE  
2018-2028



**14th International  
Drainage Workshop**  
MAY 30 - JUNE 1 2024 DUSHANBE

# 14TH INTERNATIONAL DRAINAGE WORKSHOP ON MODERNIZATION OF IRRIGATION AND DRAINAGE SYSTEMS TO ADAPT TO CLIMATE CHANGE AND FOR SUSTAINABLE DEVELOPMENT MAY 30 TO JUNE 1, 2024, DUSHANBE, TAJIKISTAN

## Final Outcomes



**75<sup>th</sup> IEC Meeting & 9<sup>th</sup> Asian Regional Conference**  
1-7 September 2024, Sydney, Australia



# Brief introduction

- ▣ Climate change, and higher temperatures, are likely to lead to greater water scarcity, expanded desertification, and more extreme weather events causing floods, mud slides, droughts, and heat stress.
- ▣ Land resources are being degraded due to erosion, mudslides, inefficient (over) irrigation, water logging and rising salinity.
- ▣ In Central Asia agriculture is highly dependent on irrigation, with 70-80% of the arable land irrigated.
- ▣ Women are heavily involved in irrigated farming, with men often away seeking employment.

Challenges

14IDW

Opportunities

# 14<sup>th</sup> International Drainage Workshop

- ▣ Title: “Modernization of Irrigation and Drainage Systems to Adapt to Climate Change for Sustainable Development”

- ▣ Modernization of irrigation and drainage systems to adapt to climate change: current state of management, science, technology, and successful international, regional, and national practices

Parallel Session: Best practices in the field of Irrigation and Drainage

Harmonizing Sustainability: Empowering Young Professionals and Gender Inclusivity in Integrated Water Resources Management.

Nexus Approach: Strengthening the "water-energy-food" interactions.

Meeting of the ICID and National Commissions.

**Venue:**  
Hyatt Regency  
Hotel, Dushanbe,  
Tajikistan

**Date:**  
30 – 31 May 2024

# Overview

- (i) Policy makers for water resources, agriculture, and representative of irrigation authorities,
- (ii) Scientists and researchers from research institutions and universities,
- (iii) Private sector consultants,
- (iv) Business representatives, and
- (v) International technical partners and donors.

200  
participants

20  
countries

More than  
50  
speakers



**WELCOME SPEECH BY:**

**Mr. Ziyozoda Sulaimon Rizoi,**  
Deputy Prime Minister of the Republic of Tajikistan

**WELCOME MESSAGE BY:**

**Dr. Marco Arcieri,**  
President of the International Commission  
on Irrigation and Drainage

**Dr. Safdar Niazi Shahraki,**  
Deputy of Water and Soil, Ministry of Agriculture - Jihad,  
Islamic Republic of Iran

**Mr. Zafarbek Davlatzoda,**  
Director Agency for Land Reclamation and Irrigation  
under the Government of the Republic of Tajikistan,  
Chairman of the National Commission for Irrigation  
and Drainage of Tajikistan

**Development partners:**

**Mr. Ozan Sevimli,**  
Permanent Representative World Bank in the Republic  
of Tajikistan

**Ms. Shanny Campbell,**  
Permanent Representative of the Asian Development Bank  
in Republic of Tajikistan

**Ms. Tatiana Turcan,**  
Deputy Head of the OSCE Program Office in Dushanbe

**Mr. Holger Wiefel,**  
Head of the European Bank for Reconstruction  
and Development in Tajikistan

May 30, 2024

# OPENING CEREMONY

TIME:  
09:30 – 10:30

VENUE:  
Hyatt Regency, Ballroom



May 30, 2024

## THEMATIC SESSION 1

Modernization of irrigation and drainage systems for adaptation to climate change: current state of management, science, technology, and successful international, regional, and national practice.

**MODERATOR:**  
Mr. Alan K. Clark,  
NHC Ltd, ADB Consultant

**TIME:**  
11:00 – 15:30

**VENUE:**  
Hyatt Regency, Ballroom

**Modernization of irrigation management in CA  
as a necessary step towards adapting sectoral reforms,  
programs, and policies to climate change challenges**

**Mr. Abdulhamid Azad,**  
Lead Water Resources Management Specialist in Europe  
and Central Asia Region, World Bank

**Asian Development Bank's (ADB) activity to modernize  
irrigation and drainage under climate change**

**Mr. Kazuhiro Yoshida,**  
Senior Water Resources Specialist, Agriculture, Food,  
Nature, and Rural Development Sector Office,  
Sectors Group, Asian Development Bank

**Modernization of Irrigation Systems in India with the Support  
for Irrigation Modernization Program**

**Mr. Shivakumar Gunasagar Mundaragi,**  
Irrigation Modernization Specialist, Chief Engineer,  
ADB Consultant

**Installation of ultrasonic Doppler flow meters on the  
transboundary canals Big Fergana Canal and North Fergana  
Canal, Uzbekistan/ Tajikistan border**

**Mr. Sabohatullo Muzaffarov,**  
Project manager, Helvetas Swiss Intercooperation, Tajikistan

**Improving Flow Measurement at the Uzbekistan/Tajikistan  
border**

**Mr. Anthony Oakes,**  
Consultant Rubicon Water company, Australia

**Social and economic dimensions of climate change on  
irrigation system reforms in contemporary Central Asia**

**Dr. Shinan Kassam,**  
Country Director CARITAS Switzerland

**Digitization of Agricultural Water Resources Management:  
A Case Study of Republic of Korea**

**Mr. Kwang Se (Bruce), Lee,**  
GCMO Global Chief Marketing Officer, EGIS Co., Ltd





Strengthening the potential of young people through the JICA Japan program

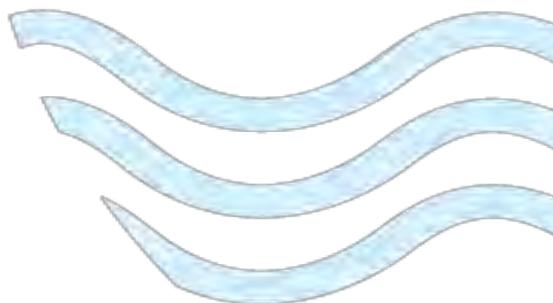
Mr. Imai Seiju,  
Head of the Representative Office of the Japan International Cooperation Agency in the Republic of Tajikistan

Addressing the capacity-building of young professionals and gender-responsive approaches in integrated water management

Mr. Shahriyor Sattorov,  
Dean of the Hydromeliorative Faculty, Tajik Agrarian University

Helvetas – Basin Women Forum of Syrdarya River (Tajikistan)

Ms. Husnoro Saidova,  
Project Officer SDC National Water Resources Management Project, Phase 3 Helvetas Swiss Intercooperation, Tajikistan



Women's Participation in Water Governance and Decision-making Processes

Dr. Narges Zohrabi,  
Associate Professor, Islamic Azad University (IAU), Iran;  
Chairperson, ICID's Task Force on Women Empowerment in Water Management (TF-WEWM); Head of ICID's International Research Program for Irrigation and Drainage - Iran Regional Node (IRPID-IRN)

May 30, 2024

## THEMATIC SESSION 2

Harmonizing sustainable development: empowering young professionals and gender inclusiveness in integrated water resources management.

**MODERATOR:**  
Dr. Mohamed A. Shehata Wahba,  
Vice-President Honoraria, ICID

**TIME:**  
16:00 – 17:30

**VENUE:**  
Hyatt Regency, Ballroom



World Food Programme experience in climate change adaptation and nexus approach in Tajikistan

Mr. Ilhom Safarov,  
Programme Policy Officer, World Food Programme in Tajikistan

Nexus issues in the Zarafshan basin project financed by the Swiss Agency for Development and Cooperation

Dr. Oytur Anarbekov,  
Caritas Switzerland, Country Consortium Representative, Senior Technical Adviser Climate Resilient IWRM in the Zarafshan River Basin Project

Modernization of Dry and Irrigated Farming Land, Uzbekistan. Land surveying, irrigation design and land forming to improve crop/food production, effective water usage & field drainage and farming efficiency

Mr. Jeff Jones,  
SMK QLD, Land Surveying & Irrigation Design Consultants, Australia

Discussion on the topic: How can we implement and strengthen the Nexus approach in the field of irrigation and drainage

Dr. Oytur Anarbekov,  
Caritas Switzerland, Country Consortium Representative, Senior Technical Adviser Climate Resilient IWRM in the Zarafshan River Basin Project

May 31, 2024

## THEMATIC SESSION 3

Nexus approach: strengthening the water-energy-food nexus.

### MODERATOR:

Dr. Oytur Anarbekov,  
Caritas Switzerland, Country Consortium Representative/Senior Technical Adviser Climate Resilient IWRM in the Zarafshan River Basin Project

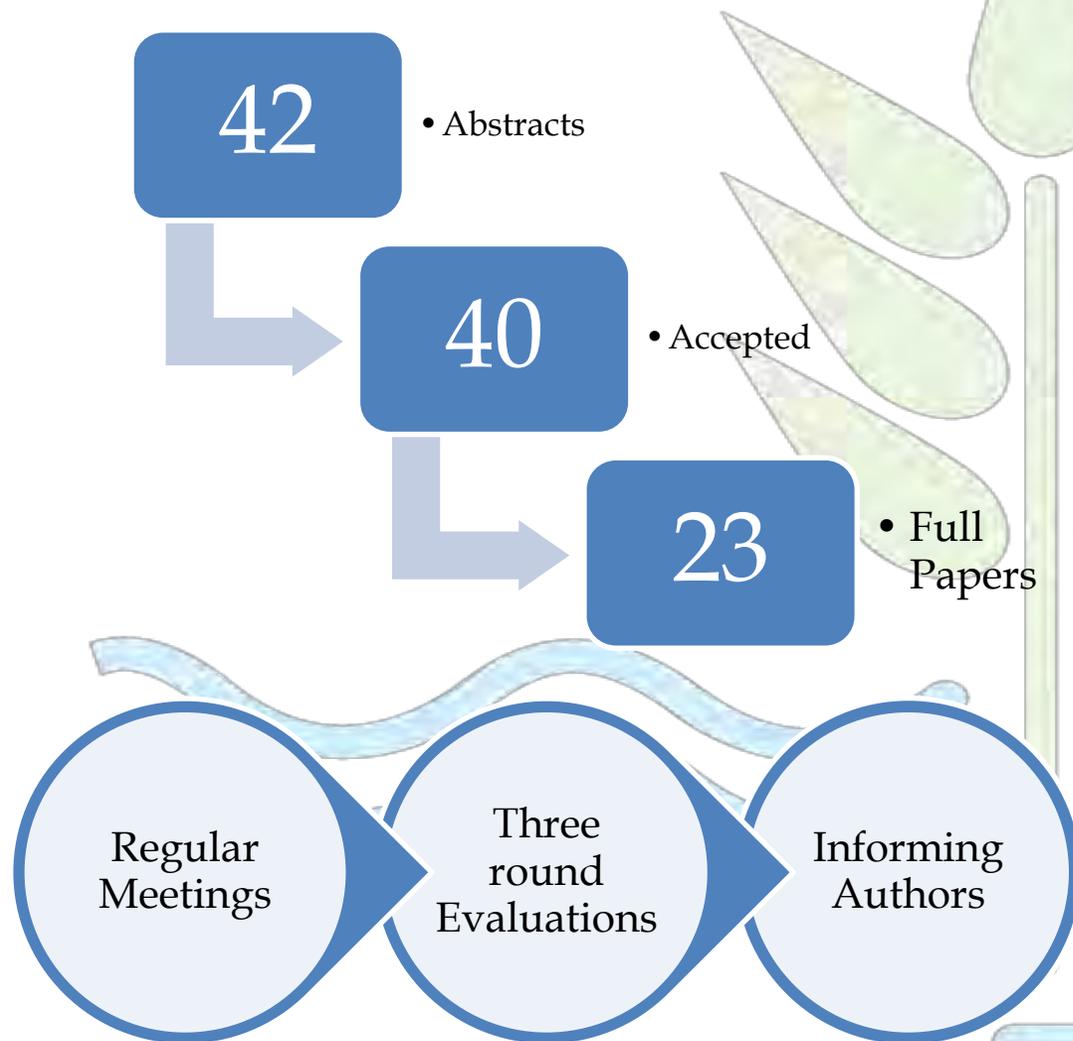
### TIME:

14:00 – 15:30

### VENUE:

Hyatt Regency, Ballroom

# Scientific Committee Contributions



**Dr. Mohamed Abdelmoneim Shehata Wahba**  
International Commission on Irrigation and Drainage (ICID) Vice President Honoraria (VPH) - (ICID) & Chairman of AFRWG-ICID & Chairman of (WG-CDTE)-ICID



**Dr. Willem F. Vlotman**  
Chairman of the Working Group on Drainage, Retired Drainage and Irrigation Engineer



**Dr. Irina G. Bondarik**  
Vice president Honorary ICID Federal Scientific Centre for Hydraulic engineering and land reclamation Named after A.N.Kostyakov Leading researcher



**Dr. Bart Schultz**  
Prof. em. Land and Water Development IHE-Delft. Former Top Advisor Rijkswaterstaat President Honoraria of ICID



**Dr. Mojtaba Akram**  
Iranian National Committee on Irrigation and Drainage Member of the Executive Committee

May 31, 2024

## Activities of the International and National Commissions on Irrigation and Drainage and Cooperation with the countries of Central Asia

**MODERATOR:**  
Dr. Ashwin Pandya,  
Secretary General of ICID

**TIME:**  
09:30 – 12:30

**VENUE:**  
Hyatt Regency, Ballroom

### WELCOME SPEECH

Mr. Zafarbek Davlatzoda,  
Director Agency for Land Reclamation and Irrigation under  
the Government of the Republic of Tajikistan/Chairman of the  
National Commission for Irrigation and Drainage of Tajikistan  
Dr. Marco Arcieri,  
President of the International Commission on Irrigation  
and Drainage

### PRESENTATIONS

#### Activities of ICID

Dr. Ashwin B. Pandya,  
Secretary General of ICID

#### Activities of the NCID of Tajikistan

Dr. Bakhrom Gaforzoda,  
Secretary of the NCID of Tajikistan

#### Activities of the NCID of Japan

Mr. Yukitoshi Takanashi,  
Technical Official, Ministry of Agriculture Forestry and Fisheries  
of Japan

#### Activities of the NCID of Iran

Dr. Mojtaba Akram,  
Member of the Executive Committee, Iran NCID  
Dr. Ardavan Azari,  
Chairman of the WG-DRG, Iran NCID

#### Activities of the NCID Russia

Dr. Irene Bondarik,  
General Secretary of NCID Russia, Vice President Honoraria – ICID

#### Activities of NCID Egypt

Dr. Mohamed A. Shehata Wahba,  
Vice President Honoraria (VPH) – ICID

#### Activities of the NCID of Uzbekistan

Mr. Juraev Ilhom,  
Director of the Information, Analytical and Resource Center of  
the Ministry of Water Resources of the Republic of Uzbekistan

#### Cooperation of ICID with the countries of Central Asia

Dr. Marco Arcieri,  
President of ICID

#### Support of EC IFAS in the development of cooperation on irrigation and drainage in Central Asian countries

Mr. Bekniyazov Murat Kabykenovich,  
Representative of EC IFAS

#### Discussion of future cooperation of ICID with the countries of Central Asia

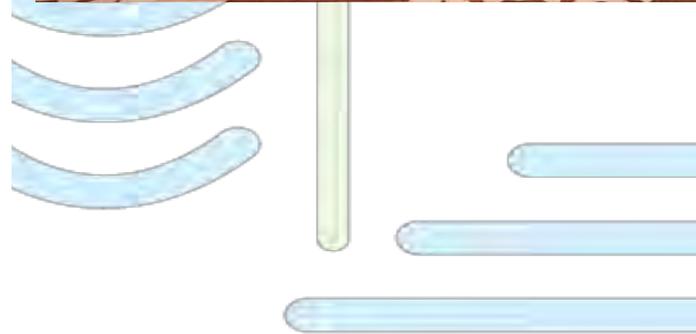
Dr. Vadim Sokolov,  
Vice-President of ICID

#### Wrap up the workshop

Dr. Ashwin B. Pandya,  
Secretary General of ICID

#### Closure of the workshop

Dr. Bakhrom Gaforzoda,  
Secretary of the NCID of Tajikistan



# Exhibition

Iranian companies active in the irrigation and drainage sector, for example in the manufacture and supply of irrigation and drainage pipe, and pressure irrigation systems, displayed products and provided information to participants over the course of the workshop.



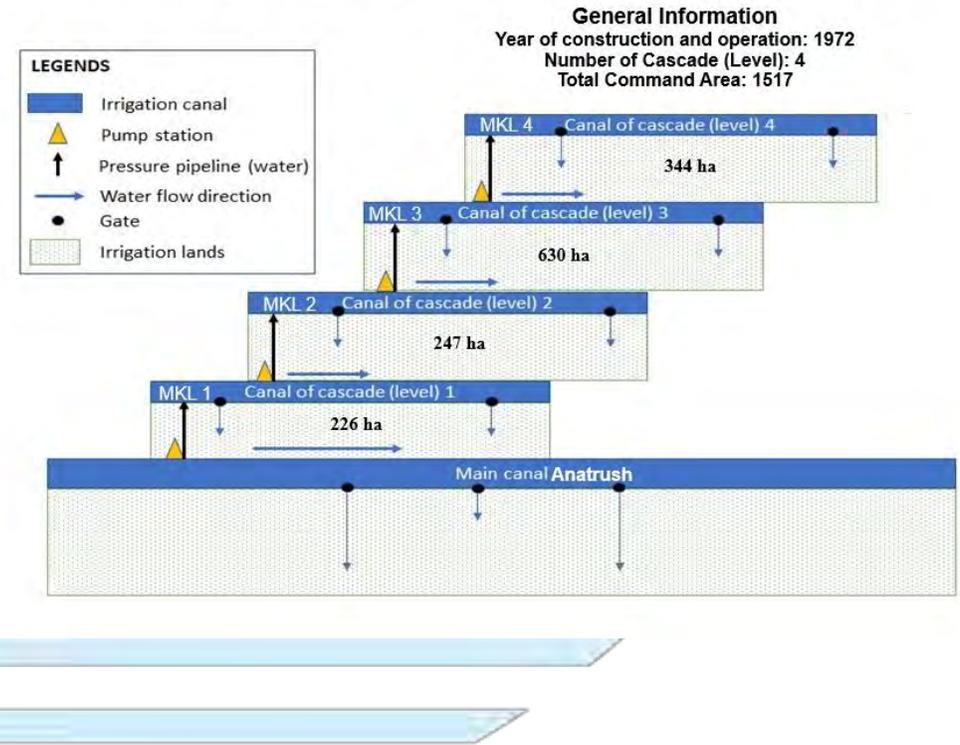
# Technical Tour

- ▣ The technical tour was to the Nurek dam (height 300 m, crest length 714 m), 2<sup>nd</sup> highest hydroelectric power plant in the world.

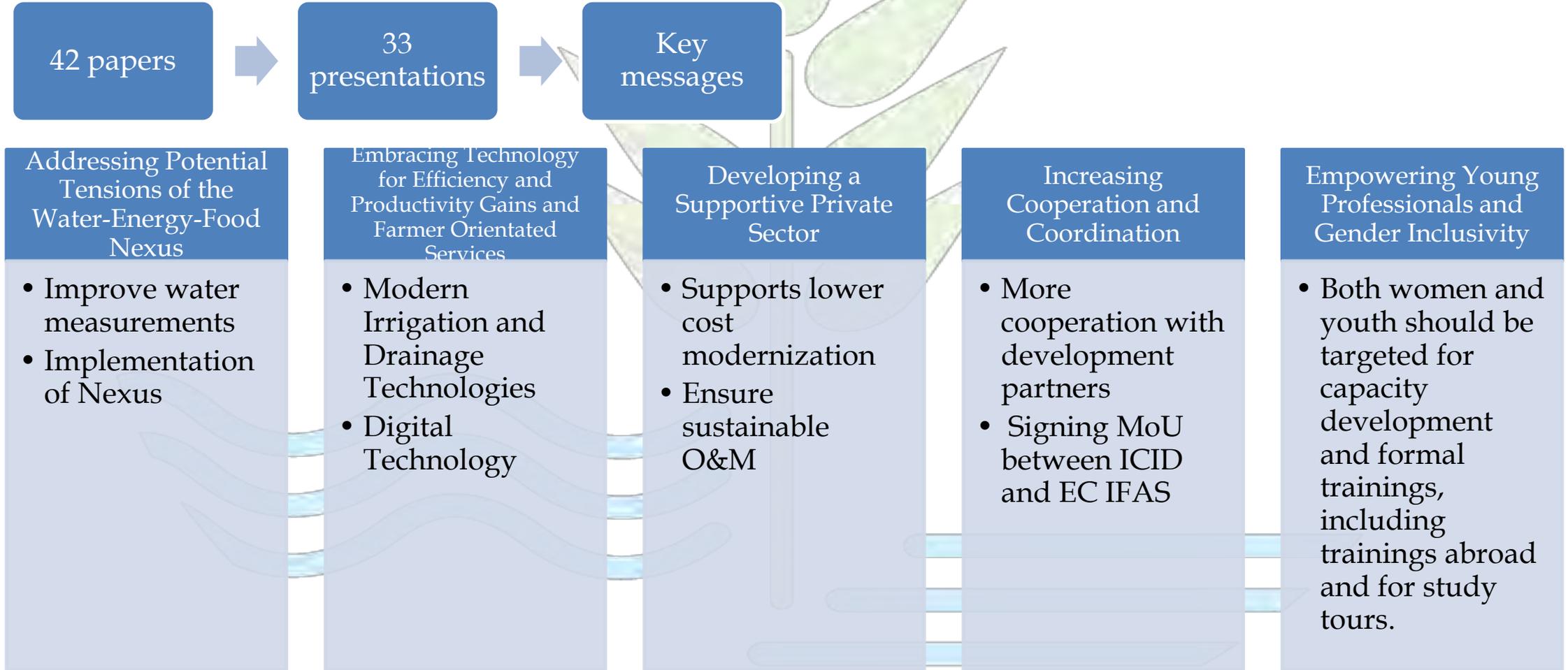


- ▣ Field visit to irrigation infrastructure (Pump stations)

ESKI - GUZAR PUMP IRRIGATION SCHEME

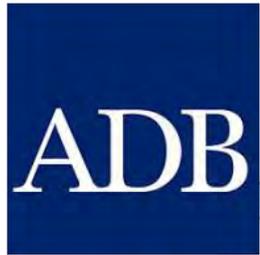


# Final Outcomes



# Acknowledgement

- ▣ The Tajikistan National Commission on Irrigation and Drainage extends its deepest gratitude to all those who contributed to the successful realization of the 14<sup>th</sup> International Drainage Workshop.



ASIAN DEVELOPMENT BANK



**WATER**  
ACTION DECADE  
2018-2028



Organization for Security and  
Co-operation in Europe  
Programme Office in Dushanbe



**acted**



**ICID•CIID**



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation  
Конфедератсия Швейцария

**CARITAS**

Schweiz  
Suisse  
Svizzera  
Svizra



**HELVETAS**  
TAJIKISTAN



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ICID-CHD

Thank  
you!