



ICID-CIID

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

23rd International Congress on Irrigation and Drainage

8-10 October 2017, Mexico City, Mexico

Theme: Modernizing Irrigation and Drainage for a New Green Revolution

	Detailed Programme	Room
Time/Date	Particulars	
8 October, Sunday		
09:00-17:30 hrs	Registration & Exhibition	
09:00-11:00	Congress Plenary	
09:00-09:05	Welcome Address by President, MXCID – Mr. Roberto Ramirez de la Parra	OLMECA IV
09:05-09:10	Opening Remarks by President, ICID – Dr. Saeed Nairizi	
09:10-10:10	N.D. Gulhati Memorial Lecture by Dr. Felipe I. Arreguin Cortés	
10:10-10:25	General Reporter Presentation (Q.60) by PH Dr. Gao Zhanyi	
10:25-10:40	General Reporter Presentation (Q.61) by VP Mr. Ding Kunlun	
10:40-10:55	IGS Presentation by Dr. Herve Plusquellec	
10:55-11:00	Closing Remarks by Er. Avinash C. Tyagi, SG, ICID	
11:30-13:00	Symposium (Session-I): 'Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA'	TOLTECA I
	Session Chair : Dr. Hafied Gany (Indonesia)	
	Rapporteurs : Ms. Kathleen Heuvel (Australia) & Ir. Sanchez Altamirano, Carlos Andres (Ecuador), YPs	
	Session Asstt. : Ir. Eurice Arizbeth Nava Orozco (Mexico)	
	Oral Presentations and Discussions	
	IGS-Workshop (Session-I): 'Applications of Geosynthetics to Irrigation, Drainage and Agriculture'	MIXTECA II
	Session Chair : Mr. Timothy D. Stark	
	Rapporteurs : Mr. Mika Turunen (Finland) & Ms. Eman Ragab (Egypt), YPs	
	Session Asstt. : Ir. Abraham Hernandez Mejia (Mexico)	
	Oral Presentations and Discussions	
	International Seminar (Session-I): 'Water Use in Food Value Chains: A Challenge for a New Green Revolution?'	TOLTECA II
	Session Chair : Dr. Olcay Unver (FAO)	
	Rapporteurs : Ms. Adey Mersha (Ethiopia) & Mr. S.S.Saboory(Afghanistan), YPs	
	Session Assistant : Sergio Ivan Jimenez Jimenez (Mexico)	
	Oral Presentations and Discussions	
14:00-15:30	Symposium (Session-II): 'Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA' (Session Officers same as Session-I)	TOLTECA I
	Oral Presentations and Discussions	
	IGS-Workshop (Session-II): 'Applications of Geosynthetics to Irrigation, Drainage and Agriculture' (Session Officers same as Session-I)	MIXTECA II
	Oral Presentations and Discussions	
	International Seminar (Session-II): 'Water Use in Food Value Chains: A Challenge for a New Green Revolution?' (Session Officers same as Session-I)	TOLTECA II

	Detailed Programme	Room
14:00-14:30	Orientation Meeting with YPs	TAJÍN and PETÉN
14:30-15:30	Orientation Meeting with GR/PEs and Co-Chairs	UXMAL and TULUM
16:00-17:30	Congress Question 60.1 - Emerging issues and challenges of water saving, including impact of transferring water out of agriculture (Session-I)	MIXTECA I
	Session Chair : Mr. Mehrzad Ehsani (Iran)	
	Vice-Chairman : Dr. Raquel Salazar Moreno (Mexico)	
	Rapporteurs : Ms. Kathleen Heuvel (Australia) & Aketzalli Rodriguez (Mexico), YPs	
	Session Asst : Roberto Arellano Choca (Mexico)	
16:00-16:05	Welcome Remarks	
16:05-16:30	Presentation of Summary Report of Q.60.1	
	Oral Presentations	
16:30-16:40	Mean Annual Irrigation Depth Considering Its Long-Term Impact On Soil Fertility <i>by Iouri Nikolskii-Gavrilov et al (Mexico) [R.60.1.2]</i>	
16:40-16:50	Increasing Water Productivity Through Applying Tropical Perennial Rice Cropping System (<i>Salibu</i> Technology) In Cdz, Myanmar <i>by Kazumi Yamaoka et al (Japan) [R.60.1.3]</i>	
16:50-17:00	Usability Of Shallow Groundwater In Irrigated Agriculture: A Case Study From Turkey <i>by Aynur Fayrap et al (Turkey) [R.60.1.09]</i>	
17:00-17:30	Discussions	
16:00-17:30	Congress Question 61.1 - Adopting precision irrigation and improving surface/irrigation to combat water scarcity (Session-I)	MIXTECA II
	Session Chair : Dr. Brian T. Wahlin (USA)	
	Vice-Chairman : Dr. Heber Saucedo (Mexico)	
	Rapporteurs : Ms. Adey Mersha (Ethiopia) & Bernardo Galeana (Mexico), YPs	
	Session Asst. : Eurice Arizbeth Nava Orozco (Mexico)	
16:00-16:05	Welcome Remarks	
16:05-16:30	Presentation of Summary Report of Q.61.1	
	Oral Presentations	
16:30-16:40	A new modeling system mssi for surface irrigation design and management <i>by Shaohui Zhang et al (China) [Q.61.1.1]</i>	
16:40-16:50	Analysis of the technology for precision surface irrigation <i>by Bai M.J. et al (China) [Q.61.1.2]</i>	
16:50-17:00	Effects Of Surface Irrigation Efficiency Improvement On Water Resources System Indices <i>by Narges Zohrabi et al (Iran) [R.61.1.06]</i>	
17:00-17:30	Discussions	
16:00-17:30	Congress Question 61.3 -Adaptability and affordability of new technologies under different socio-economic scenarios (Session-I)	TOLTECA II
	Session Chair : Mr. Franklin Dimick (USA)	
	Vice-Chairman : Dr. Ignacio Sánchez Cohen (Mexico)	
	Rapporteurs : Ir. Sanchez Altamirano, Carlos Andres (Ecuador) & Rodrigo Roblero-Hidalgo (Mexico), YP	
	Session Asst. : Dafne Itzel Acosta Ortiz (Mexico)	
16:00-16:05	Welcome Remarks	
16:05-16:30	Presentation of Summary Report of Q.61.3	
	Oral Presentations	
16:30-16:40	Modernization Of Spate Irrigated Agriculture: A New Approach — Traditional Model Of Ziquejje Mountain Terraes In China And Scientificities On Irrigation Heritage Perspective <i>by LI Yunpeng et al (China) [R.61.3.01]</i>	
16:40-16:50	Physical Model Study To Determine The “Tecorito” Tunnel Capacity In 010 And 074 Irrigation Districts, Sinaloa, México <i>by Gilberto Salgado Maldonado (Mexico) [R.61.3.02]</i>	
16:50-17:00	Automated Irrigation To Determine The Crop Coefficient In Tomato Seedlings In Substrate With Hydroureter <i>by Catariny Cabral Aleman (Brazil) [R.61.3.03]</i>	
17:00-17:30	Discussions	
	Symposium (Session-III): ‘Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA’	TOLTECA I

	Detailed Programme	Room
Time/Date	Particulars	
19:00-21:00	Welcome Dinner	OLMECA IV
9 October, Monday		
09:00-17:30 hrs	Registration/Exhibition	LOBBY
09:00-11:00	Congress Question 60.1 - Emerging issues and challenges of water saving, including impact of transferring water out of agriculture (Session-II)	MIXTECA I
	Session Chair : Mr. Mehrzad Ehsani (Iran)	
	Vice-Chairman : Dr. Raquel Salazar Moreno (Mexico)	
	Rapporteurs : Ms. Kathleen Heuvel (Australia) & Aketzalli Rodriguez (Mexico), YPs	
	Session Asst. : Roberto Arellano Choca (Mexico)	
09:00-09:10	Welcome Remarks	
	Oral Presentations	
09:10-09:20	Water Use Conflicts And Possible Solutions - A Case Study Of Irrigation Projects In Upper Godavari Basin, India by <i>Sanjay Belsare (India)</i> [R.60.1.19]	
09:20-09:30	Water harvesting for sustainable land resource management in developing countries of Asia by R.K. Gupta A& Pooja Kapoor (India) [R.60.1.24]	
09:30-09:40	Controlled Drainage And Sub-Irrigation – An Option To Save Water In Crop Production In Finland by <i>Seija Virtanen et al (Finland)</i> [R.60.1.26]	
09:40-09:50	Evolution & Value of Yellow River Irrigation Area in Ningxia by <i>GAO Lihui et (China)</i> [R.60.1.28]	
09:50-10:00	Multi-sensor probes as tools for water and n- management under drip irrigation by <i>McCann, I.R. et al (Kuwait)</i> [R.60.1.31]	
10:00-10:50	Discussions	
10:50-11:00	Closing Remarks	
09:00-11:00	Congress Question 61.1 - Adopting precision irrigation and improving surface/ irrigation to combat water scarcity (Session II)	MIXTECA II
	Session Chair : Dr. Brian T. Wahlin (USA)	
	Vice-Chairman : Dr. Heber Saucedo (Mexico)	
	Rapporteurs : Ms. Adey Mersha (Ethiopia) & Bernardo Galeana (Mexico), YPs	
	Session Asst. : Eurice Arizbeth Nava Orozco (Mexico)	
09:00-09:10	Welcome Remarks	
	Oral Presentations	
09:10-09:20	Options and Difficulties to Optimize Water use under Improved Irrigation Projects (IIPS) by <i>Eman Sayed et al (Egypt)</i> [R.61.1.07]	
09:20-09:30	Rigrat Action Proposal in Irrigation Districtsmocorito, elota Piaxtla & Rio San Lorenzo by <i>Castillo Gonzalez J.A. et al (Mexico)</i> [R.61.1.21]	
09:30-09:40	Evaluating agricultural productivity and water use efficiency by adopting improved irrigation methods during winter groundnut at semi-arid tropics by <i>Suhas P Wani et al (ICRISAT, India)</i> [Q.61.1.22]	
09:40-09:50	Performance of surge flow irrigation in Mendoza, Argentina present and potencial efficiencies by <i>Catalina Romay (Argentina)</i> [Q.61.1.24]	
09:50-10:50	Discussions	
10:50-11:00	Closing Remarks	
09:00-11:00	Congress Question 61.3 -Adaptability and affordability of new technologies under different socio-economic scenarios (Session II)	TOLTECA II
	Session Chair : Mr. Franklin Dimick (USA)	
	Vice-Chairman : Dr. Ignacio Sánchez Cohen (Mexico)	
	Rapporteurs : Ir. Sanchez Altamirano, Carlos Andres (Ecuador) & Rodrigo Roblero-Hidalgo (Mexico), YP	
	Session Asst. : Dafne Itzel Acosta Ortiz (Mexico)	
09:00-09:10	Welcome Remarks	
	Oral Presentations	
09:10-09:20	Public Policy Proposal For The Operational Management Of Aquifers In Mexico by <i>Arturo González Casillas et al (Mexico)</i> [R.61.3.04]	
09:20-09:30	Modernization Of National Irrigation System In The Philippines by <i>Mona Liza F et al (Philippines)</i> [R.61.3.05]	

	Detailed Programme	Room
Time/Date	Particulars	
09:30-09:40	Rainfall Distribution And Vegetation Greenness: A Case Study Of Small Farmers In Umkhanyakude Dist., Kwazulu Natal, South Africa by <i>Maponya PI and Mpandeli SN (South Africa)</i> [R.61.3.09]	
09:40-09:50	Adaptation To Climate Change: Impact Of Capacity Building, India by <i>K.R.Kakumanu et al (India)</i> [R.61.3.13]	
09:50-10:00	Tile Drainage: A Strategy To Cope With The Food Challenge Facing Mexico by <i>Hector Arias et al (México)</i> [R.61.3.14]	
10:00-10:50	Discussions	
10:50-11:00	Closing Remarks	
11:00 -12:00	HEALTH BREAK	
12:00-13:00	Opening Ceremony	
12:00:12:05	Mexican Video Show	
12:05:12:10	Message by Mexico City Mayor - Mr. Miguel Ángel Mancera Espinosa	
12:10:12:15	Welcome Address by President of MXCID and Director General from CONAGUA – Mr. Roberto Ramirez de la Parra	
12:15-12:20	Keynote Speech by Dr. Olcay Unver, Dy. Director, Land & Water Division, FAO	
12:20-12:25	Keynote Speech by Mr. Guang Zhe Chen Sr. Director, World Bank	
12:25-12:30	Dr. Tony Slatyer, Special Adviser on Water to the Australian Department of Foreign Affairs and Trade on 'High Level Panel on Water: Initiatives in Irrigation Sector'	
12:30-12:35	Heritage Irrigation Structure Award - "LA BOQUILLA" Dam and "LA CHINAMPA"	
12:35-12:45	Opening Remarks by President of ICID – Dr. Saeed Nairizi	
12:45-12:55	Keynote Speech by President of Mexico – Enrique Peña Nieto	
12:55:13:00	Closing Remarks (Vote of Thanks)	
13:00	Exhibition Opening Ceremony	OLMECA I, II & III
	LUNCH BREAK	
14:00-15:30	Congress Q.60.2 : Understanding water productivity, water and energy use efficiency and water footprint of crops (Session-I)	
	Session Chair : VP Ian Makin (UK)	
	Vice-Chairman : Dr. Mauricio Carrillo García (Mexico)	
	Rapporteurs : Mr. Paavan Kumar Reddy Gollapalli (India) & Eduardo Mejia-Saenz (Mexico), YPs	
	Session Asst. : Jessica Alejandra Gómez (Mexico)	
14:00-14:05	Welcome Remarks	
14:05-14:30	Presentation of Summary Report of Q.60.2	MIXTECA I
	Oral Presentations	
14:30-14:40	An Appraisal of The Water-Energy-Food Nexus In Mexico by Jaime Collado (Mexico) [R.60.2.01]	
14:40-14:50	Water, Food and Energy Nexus: Expériences From Afghanistan by <i>Suman Sijapati et al (Nepal)</i> [R.60.2.03]	
14:50-15:00	Management Practices and The Water Footprint of Irrigated Sugarcane Production In South Africa by <i>A.A. Adetoso et al (South Africa)</i> [R.60.2.04]	
15:00-15:30	Discussions	
14:00-15:30	Congress Question 61.2 : Using ICT, remote sensing, control systems and modelling for improved performance of irrigation systems (Session-I)	
	Session Chair : Dr. Kaluvai Yella Reddy (India)	
	Vice-Chairman : Dr. Víctor Manuel Ruíz Carmona (Mexico)	
	Rapporteurs : Ms. Eman Ragab (Egypt) & Maria Liliana Terrazas-Onofre (Mexico), YPs	
	Session Asst. : Ilse Daniela Aguila Rosas (Mexico)	
14:00-14:05	Welcome Remarks	
14:05-14:30	Presentation of Summary Report of Q.61.2	MIXTECA II
	Oral Presentations	
14:30-14:40	Unsteady Flow Simulation for Canal-Field System In Irrigation District by <i>Shaohui Zhang et al (China)</i> [R.61.2.01]	
14:40-14:50	Modelling Groundwater Table Depth In Subsurface Drained Clay Soil With Different Drain Spacings Using 3d Hydrological Model by <i>Heidi Salo et al (Finland)</i> [R.61.2.02]	
14:50-15:00	A Real-Time Feedback Control System for Improving Agricultural Water-Use Efficiency of Basin Irrigation by <i>C.L.Wu et al (China)</i> [R.61.2.03]	

	Detailed Programme	Room
Time/Date	Particulars	
15:00-15:30	Discussions	
14:00-15:30	Congress Question 60.3: Water Security for Growth and Development (Session-I)	TOLTECA II
	Session Chair : Dr. Gao Zhanyi (China)	
	Vice-Chairman : Dr. Jesus Chavez Morales (Mexico)	
	Rapporteurs : Mr. M. S. Saboory (Afghanistan) & Mr. Mika Turunen (Finland), YPs	
	Session Asst. : Abraham Hernandez Mejia (Mexico)	
14:00-14:05	Welcome Remarks	
14:05-14:30	Presentation of Summary Report of Q.60.3	
	Oral Presentations	
14:30-14:40	Water Laws' Untapped Potential for Supporting Water Security in Developing Countries by <i>Bill Garthwaite et al (Malaysia) [R.60.3.02]</i>	
14:40-14:50	Irrigation Management Transfer in Mexico: New Problems and Challenges for Consolidation by Luis Felipe Alcocer Espinosa et al (Mexico) [R.60.3.05]	
14:50-15:00	Perspectives of irrigation with unconventional water resources in China by <i>Wenyong Wu et al (China) [R.60.3.16]</i>	
15:00-15:30	Discussions	
16:00-17:30	Congress Q.60.2 : Understanding water productivity, water and energy use efficiency and water footprint of crops (Session-II)	MIXTECA I
	Session Chair : VP Ian Makin (UK)	
	Vice-Chairman : Dr. Mauricio Carrillo García (Mexico)	
	Rapporteurs : Mr.Paavan Kumar Reddy Gollapalli (India)&Eduardo Mejia-Saenz (Mexico), YPs	
	Session Asst. : Jessica Alejandra Gómez (Mexico)	
16:00-16:05	Welcome Remarks	
	Oral Presentations	
16:05-16:15	Comparing The Usefulness and Applicability of Water Footprint Methodologies by Betsie le Roux et al (South Africa) [R.60.2.05]	
16:15-16:25	Modeling Water Budget for Groundwater Irrigated Semi-Arid Systems in India by <i>D. Upadhyaya et al (India) [R.60.2.16]</i>	
16:25-16:35	Climate Change Effects on Yield and Water Footprints of Wheat In The Central Punjab, Pakistan by <i>Ahmad Mirza Junaid (Korea) & Kyung-Sook Choi (Korea) [R.60.2.29]</i>	
16:35-16:45	Water And Energy Efficiencies In Tomato Production by <i>Raquel Salazar Moreno, Abraham Rojano Aguilar (Mexico) [R.60.2.31]</i>	
16:45-16:55	Pumping Plants Selection for Wells in Depleted Aquifers by Mauricio Carrillo-García et al (Mexico) [R.60.2.32]	
16:55-17:20	Discussions	
17:20-17:30	Closing Remarks	
16:00-17:30	Congress Question 61.2: Using ICT, remote sensing, control systems and modelling for improved performance of irrigation systems (Session-II)	MIXTECA II
	Session Chair : Dr. Kaluvai Yella Reddy (India)	
	Vice-Chairman : Dr. Víctor Manuel Ruíz Carmona (Mexico)	
	Rapporteurs : Ms. Eman Ragab (Egypt) & Maria Liliana Terrazas-Onofre (Mexico), YPs	
	Session Asst. : Ilse Daniela Aguila Rosas (Mexico)	
16:00-16:05	Welcome Remarks	
	Oral Presentations	
16:05-16:15	Intelligent Measurement And Monitoring Of Irrigation Amount In The Well Irrigated Areas by <i>Bai Jing et al (China) [R.61.2.04]</i>	
16:15-16:25	Comparing Three PI Tuning Methods for Downstream Water Level Control by <i>B.L. Stringam et al (Mexico) [R.61.2.05]</i>	
16:25-16:35	New Concept of Using Folded Plate Structures in Flood Protection and River Training Works by <i>A.K.Dinkar & Alok Panday (India) [R.61.2.07]</i>	
16:35-16:45	Increasing Irrigated Agricultural Production Using ICT And Modern Management: A Case Study From Madhya Pradesh, India by <i>Martin Burton & Joop Stoutjesdijk (UK) [R.61.2.13]</i>	
16:45-16:55	Application of Remote Sensing for Improvement of Maize Phenology Models Prediction by <i>Nozar Ghahreman et al (Iran) [R.61.2.20]</i>	
16:55-17:20	Discussions	
17:20-17:30	Closing Remarks	

	Detailed Programme	Room
Time/Date	Particulars	
16:00-17:30	Congress Question 60.3: Water Security for Growth and Development (Session-II)	TOLTECA II
	Session Chair : Dr. Gao Zhanyi (China)	
	Vice-Chairman : Dr. Jesus Chavez Morales (Mexico)	
	Rapporteurs : Mr. M. S. Saboory (Afghanistan) & Mr. Mika Turunen (Finland), YPs	
	Session Asst. : Abraham Hernandez Mejia (Mexico)	
16:00-16:10	Welcome Remarks	
	Oral Presentations	
16:10-16:20	Hydrological Drought Variation along The Yom River, Thailand by <i>Kanokporn Sawatpru & Supasit Konyai (Thailand)</i> [R.60.3.17]	
16:20-16:30	Water Security and Land-Use Changes in Small-Scale Hydro-Agricultural Infrastructure by <i>Mauro Iniguez-Covarrubias et al (Mexico)</i> [R.60.3.19]	
16:30-16:40	Water Security of Juba and Shabelle River Basins in Somalia by <i>Abdullahi Hassan Hussein (Somalia)</i> [R.60.3.23]	
16:40-16:50	Modeling and Prediction of Surface Runoff in The Patzcuaro Lake Basin by <i>Jorge Víctor Prado-Hernández et al (Mexico)</i> [R.60.3.25]	
16:50-17:20	Discussions	
17:20-17:30	Closing Remarks	
17:30-19:00	Meeting of Drafting Committee for Congress Declaration	
10 October, Tuesday		
09:00-17:30 hrs	Registration/Exhibition	
09:00-11:00	IEC Plenary	OLMECA IV
09:00-09:10	Welcome and Opening Remarks by Dr. Saeed Nairizi, President, ICID	
09:10-09:30	IEC Update by Er. Avinash C. Tyagi, Secretary General, ICID	
09:30-09:35	Presentation by PCTA Chair	
09:35-09:40	Presentation by PCSO Chair	
09:40-10:00	Presentation by the National Committee: Somalia	
10:00-10:50	Presentation of Awards: WatSave, Best Paper, Best Performing National Committee, Best Performing Workbody, Recognized Heritage Irrigation Structures	
10:50-11:00	Discussion and Closing Remarks by Er. Avinash C. Tyagi, Secretary General, ICID	
11:30-13:00	Special Session : “Technologies for Reuse of Wastewater in Agriculture and its Impact on Health and Environment” (Session-I)	TOLTECA I
	Session Chair : Dr. Jaime Collado (Mexico)	
	Rapporteurs : Ms. S. Norouzi (Iran)& Mr. Amali A. Amali (Nigeria), YPs	
	Session Asst. : Ir. Dafne Itzel Acosta Ortiz (Mexico)	
	High Level Advisory Group Meeting- I “Partnerships for Agriculture Water Management”	
14:00-15:30	Special Session : “Technologies for Reuse of Wastewater in Agriculture and its Impact on Health and Environment “ (Session-II)	TOLTECA II
	Session Officers same as Session-I)	
	Oral Presentations and Discussions	
	High Level Advisory Group Meeting-II “Partnerships for Agriculture Water Management”	
16:00-17:30	Wrap up of 23rd ICID Congress	OLMECA IV
16:00-16:10	Opening Remarks by Dr. Saeed Nairizi, President, ICID	
16:10-16:20	Address by VIP from Mexico (<i>OPTIONAL</i>)	
16:20-16:35	General Reporter Presentation (Q.60) by PH Dr. Gao Zhanyi (China) - Conclusions / Recommendations	
16:35-16:50	General Reporter Presentation (Q.61) by VP Mr. Ding Kunlun - Conclusions / Recommendations	
16:50-17:00	Declaration (ITAC Chair VPH Felix B. Reinders)	
17:00-17:10	Invitation by Australian National Committee - 24 th Congress & 71 st IEC	
17:10-17:20	Closing Remarks (Vote of Thanks) by MXCID	
17:20-17:30	Discussion and Closing Remarks by Er. Avinash C. Tyagi, Secretary General, ICID	
19:00-21:00	Australian Reception (by invitation) (19:30 hours)	

Note: Health Break : 11:00-11:30 hours and 15:30-16:00 hours
Lunch Break : 13:00-14:00 hours

