

WORKSHOPS

Converting Water Loss into Climate Action: How Strategic NRW Management drives Climate Solutions

09:00 to 10:30	<p align="center">WORKSHOP 1: Financing a Water-Secure Future: Solutions and Opportunities for Water Loss Reduction (WORLD BANK GROUP)</p> <p align="center">Convener/Moderator: Gregory Koffi KPEGLI – Water Industry Specialist at WBG - Panelists/Presenters: Marianne Kjellén, Associate Professor at Stockholm University / Didier Carron – CEO of Naldeo</p> <p>Water loss reduction is critical to achieving water security and sustainable development goals. This workshop will explore innovative financing mechanisms and practical solutions to address NRW challenges. Participants will gain insights into blended finance, public-private partnerships, and performance-based contracts that enable utilities to allow investments in water loss reduction. Through interactive discussions and case studies, the session will highlight opportunities for collaboration between governments, utilities, and financiers. Designed for water professionals, policymakers, utilities and investors, the workshop will provide ideas to mobilize capital and improve operational efficiency. Attendees will leave with a clear understanding of financing models, risk mitigation approaches, and tools to accelerate progress toward a water-secure future.</p>
10:30 to 11:00	<p>Break</p>
11:00 to 12:30	<p align="center">WORKSHOP 2: Results of the IWA Global Water Loss KPI Initiative (IWA WATER LOSS SPECIALIST GROUP)</p> <p align="center">Conveners / Moderators: Alan Wyatt/ Joerg Koelbl - Water Loss Specialist Group</p> <p>The objective of the Workshop is to present and discuss the Initiative results, including: 1) Assessment of current practices with Water Loss KPIs, 2) Collection and Analysis of NRW data across the Globe (including energy and carbon considerations), and, 3) Guidance Notes on the Best Practices and Challenges in the Use of Key Performance Indicators for Water Loss. The Guidance Notes provide recommendations on the use of KPIs for various purposes, and in various contexts. The Initiative involved individuals and organizations from over 80 countries, and members of four IWA Specialist Groups. Discussion sessions will focus on questions and feedback, and suggestions for follow-up activities. The Workshop follows up on an introductory Workshop at Water Loss 2024 and the tabulation of Global NRW published by the WLSG using 2015 data.</p>
12:30 to 13:30	<p>Break</p>
13:30 to 15:00	<p align="center">WORKSHOP 3: The link between Water Losses and Water Security (IWA WATER SAFETY AND SECURITY SPECIALIST GROUP)</p> <p align="center">Convener/Moderator: Mara Ramos, Segurança e Resiliência Hídrica, Diretoria de Planejamento e Projetos de Engenharia, SABESP - Panelists/Presenters: Víctor Gálvez - Chile, Ignacio Peña - Espanha, Fábio Passos - SABESP.</p> <p>This workshop makes the security dimension clear: reducing water losses is not just about efficiency, but about safeguarding long-term water access, security and resilience. Excessive non-revenue water (NRW) undermines the reliability of supply systems, reduces resilience to droughts and climate change, and weakens public trust in utilities. By tackling leakage, illegal connections, and inefficiencies, utilities not only improve operational performance but also strengthen water security, ensuring safe, sufficient, and sustainable access for communities. The workshop's objectives are to share global strategies and technologies for water security, highlight innovations and case studies, and foster collaboration between international and local experts. Expected outcomes include practical recommendations for integrating water loss management into water security planning, translated in a Water Security Integration Checklist, enhanced knowledge exchange, and a roadmap for embedding NRW reduction into broader resilience and sustainability agendas.</p>
16:30 to 17:30	<p>Closed Meeting: IWA WLSG Management Committee</p>
18:30 to 20:30	<p>WELCOME RECEPTION Location: Congress Centre</p>

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	STREAM A			STREAM B			STREAM C		
09:00 to 10:30	OPENING CEREMONY - PLENARY SESSION Master of Ceremonies: Garv Wveth								
	Welcome address: Stuart Hamilton - Chair WLSG Marcel Sanches - President ABES Keynote Speakers: Kala Vairavamorthy - Executive Director IWA Dr George Miliis - Demystifying AI: Cutting through hype and myths to achieve real impact Cultural / local show -Brazilian Culture								
10:30 to 11:00	Coffee Break								
11:00 to 13:30	A1: NRW Assessment and Strategy Chair: Joe Dalton			B1 :Network Zoning, DMAs, Pressure Management Chair: Ignacio Maria Peña			C1: Smart Monitoring and Predictive Analytics in Water Loss Management Chair: Hugh Chapman		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
	Alan Wyatt	SUMMARY OF WORKSHOP 2: RESULTS OF THE IWA GLOBAL WATER LOSS KPI INITIATIVE (IWA WLSG)	USA	Dewi Rogers	PUTTING HYDRAULIC MODELLING AT THE HEART OF WATER LOSS REDUCTION	Italy	Patricia Calderón	CASE STUDY: PERMANENT ACOUSTIC LEAK DETECTION SYSTEMS USING NB-IOT AND ARTIFICIAL INTELLIGENCE IN LATIN AMERICA	Peru
	Joerg Koelbl	GOOD PLANNING IS HALF THE BATTLE - HOW EARLY DECISIONS INFLUENCE THE LATER WATER LOSS SITUATION	Austria	Daniel Manzi	DETERMINATION OF WATER NETWORK SECTORISATION BASED ON HYDRAULIC HEAD TIME SERIES CLASSIFICATION	Brazil	Sabrina Rodrigues Coelho	EVENT MANAGEMENT WITH AI FOR WATER LOSS REDUCTION	Brazil
	Will Jernigan	WHEN OLD POLICY MEETS MODERN PRACTICE: JOLIET'S JOURNEY BEYOND PERCENTAGE-BASED WATER LOSS REDUCTION	USA	Valentina Cabbai	NETWORKING ZONING AND DMAS MANAGEMENT: RESULTS AND REMARKS AFTER 10 YEARS OF IMPLEMENTATION IN ACQUEDOTTO POIANA	Italy	Dave Johnston / Kah Cheong Lai	HOW PIPE CONDITION ASSESSMENT DELIVERED RETURN ON INVESTMENT IN SINGAPORE	UK
Jifí Paul	THE DARK SIDE OF NICE NUMBERS	Czech Republic	Denis Devos	IMPROVING DMA RELIABILITY THROUGH SMART VALVE MONITORING : SWDE'S INNOVATIVE APPROACH	Belgium	Maria Alvarenga	INTEGRATING PHYSICAL INSPECTIONS AND AI-DRIVEN ANALYSIS FOR SMARTER ASSET MANAGEMENT: A CASE STUDY OF ETRA SPA IN NORTHERN ITALY	Brazil	
12:30 to 13:30	Lunch								
13:30 to 15:00	A2: Water Loss Management Strategies Chair: Jamie Paterson			B2: Leak Detection Technologies, Strategies and Equipment Chair: Uri Gutermann			C2: Advances in Customer Metering and Management Chair: Milene Aguiar		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
	Elsa Arteaud	RETROSPECTIVE ANALYSIS AND INSIGHTS FROM ASSET MANAGEMENT STUDIES ON WATER NETWORKS IN SUEZ WATER FRANCE	France	Andy Godley	INSERTION FLOW METERS AS A TOOL FOR IDENTIFYING REAL LOSSES IN TRANSMISSION MAINS	UK	Henrique Almeida Ferreira	RECEPTION INSPECTION OF WATER METERS: ENSURING METROLOGICAL QUALITY, COMPLIANCE, AND OPERATIONAL SUSTAINABILITY	Brazil
	Ambrose Muhu	TACKLING KENYA'S RECURRENT NRW CRISIS THROUGH PROVEN APPROACHES IN CAPACITY BUILDING, COMMUNITY RESPONSIBILITY AND REAL-TIME MONITORING	Kenya	Danilo Henrique Santos Silva	GEOTECHNOLOGIES IN LEAK DETECTION: A SOLUTION FOR OPERATIONAL MANAGEMENT AND WATER LOSS REDUCTION IN WATER SUPPLY SYSTEMS	Brazil	Márcio Henrique Vieira	MEASURE BETTER TO MANAGE BETTER – EFFECTIVE WATER METER MANAGEMENT AND CONTINUOUS TECHNICAL TRAINING IN COMBATING APPARENT LOSSES	Brazil
	Miriam Planas	BENCHMARKING OF WATER EFFICIENCY AUDITS OF CATALAN WATER SUPPLY SERVICES	Spain	Rick de Visscher	FROM PILOT TO SCALABLE REAL-TIME PIPELINE MONITORING: LESSONS LEARNED FROM UTILITIES DEPLOYING IN-PIPE FIBER SENSING	Belgium	Paula Kawahara	OPTIMIZATION OF WATER METER REPLACEMENT TO INCREASE OPERATIONAL EFFICIENCY	Brazil
Martin Kasek	NRW REDUCTION, NEPTUNE OR CASUPA? MONTEVIDEO WATER SYSTEM FACING THE WATER LOSS ECONOMIC LEVEL	Uruguay	Joelle Solowiejczyk	EXPLORING THE TRANSFERABILITY OF LEAKAGE MANAGEMENT INTERVENTIONS: INTER-UTILITY LESSONS FOR NEW YORK CITY	USA	Francisco Arregui de La Cruz	ANALYSIS OF ULTRASONIC METER PERFORMANCE FOR DOMESTIC SUBMETERING IN MULTI-UNIT RESIDENTIAL BUILDINGS	Spain	

15:00 to 15:30	Coffee Break								
15:30 to 16:30	A3: Smart Water Networks and Relevant IT Solutions Chair: Mara Ramos			B3: Water Loss Management as part of Climate Resilience planning and Implementation Chair: Alan Wyatt			C3: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring Chair: Mikal Willmott		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
	Thomas Perianu	DIGITAL TWIN FOR SMART WATER NETWORK MANAGEMENT	Singapore	Will Jernigan	ADVANCING CARBON ACCOUNTABILITY IN WATER LOSS MANAGEMENT: PROGRESS AND PATHWAYS FOR THE LEAKAGE EMISSIONS INITIATIVE	USA	Ryan Revilla	ENHANCING LEAK LOCALIZATION IN WATER DISTRIBUTION: MAYNILAD'S EXPERIENCE USING PRESSURE DIFFERENTIAL ANALYSIS FOR DMA DIAGNOSTIC	Philippines
	Anastasia Papadopoulou	BATTLING NRW IN GREECE: SMART ALREADY, TRYING TO BECOME INTELLIGENT, PURSUING TO GET WISE	Greece	Calza Francesco	CARBON EMISSION SAVINGS IN REGGIO EMILIA LEAKAGE REDUCTION PROJECT	Italy	Luiz Roberto Gravina Pladevall	OPEN-SOURCE APPROACH FOR WATER LOSS REDUCTION AND OPERATIONAL MANAGEMENT OF WATER SUPPLY SYSTEMS THROUGH GIS INTEGRATED WITH HYDRAULIC MODELING	Brazil
	Cyntia Virolli Cid Molina	PARTICIPATORY MAPPING OF WATER LOSSES: USE OF VGI, OPENSTREETMAP, AND OPEN PLATFORMS FOR CITIZEN ENGAGEMENT	Brazil	Carlos Cesar Oliveira Araujo Filho	DEMAND FORECASTING AND STORAGE IN OPERATIONAL AND STRATEGIC PLANNING TO COMBAT DROUGHT	Brazil	Clive Harrison	LESSONS FROM USING MACHINE LEARNING ALGORITHMS ON PUBLIC DOMAIN DATA TO UNDERSTAND TAIPEI WATER'S LEAKAGE REDUCTION SUCCESS STORY	UK
19:00 to 22:30	WOMEN'S NETWORK EVENING - Details on the Conference Website								

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		STREAM A			STREAM B			STREAM C		
		A4: Leak Detection Technologies, Strategies and Equipment Chair: Stuart Stapely			B4: Network Zoning, DMAs Pressure Management Chair: Luiz Roberto Gravina Pladevall			C4: NRW Assessment and Strategy - Part A Chair: WJ Jernigan		
		Author	Title	Country	Author	Title	Country	Author	Title	Country
09:00 to 10:30		Santiago Ruffier	DETECTING THE UNDETECTABLE: AGANOVA'S NAUTILUS SYSTEM TACKLES LEAKS ACROSS 100+ KMS OF CURITIBA'S TRUNK MAIN WATER PIPELINE NETWORK	Spain	Igor Dundovic	TRANSFORMING INTERMITTENT WATER SUPPLY TO CONTINUOUS 24/7 SERVICE IN ADDIS ABABA: A PERFORMANCE-BASED APPROACH TO WATER LOSS REDUCTION	Croatia	Dylan Clarke-Herbert	ASSESSMENT AND MANAGEMENT OF WATER LOSSES IN WATER DISTRIBUTION SYSTEMS: A CASE STUDY IN BARBADOS	Barbados
		Mikal Willmott	EVALUATING THE EFFECTIVENESS OF CLAMP-ON METERS ON TRANSMISSION MAINS	UK	Cintia Matsuguma	COMMISSIONING OF FLOW AND PRESSURE CONTROL AREAS	Brazil	Joanna Halupka / Ewilina Killian	25 YEARS OF EXPERIENCE IN IMPLEMENTING AND DEVELOPING WATER LOSS REDUCTION STRATEGY AT THE WATER AND WASTEWATER UTILITY COMPANY IN GLIWICE, POLAND	Poland
		Mohammad Moataz Tolba	LEAK LOCALIZATION IN INTERMITTENT-FLOW PIPES USING THERMOHYDRAULIC MODELING	Egypt	Martijn Deenen	REDUCING BURSTS AND BACKGROUND LEAKAGE WITH PREDICTIVE CONTROL	Netherlands	Fernanda Cordeiro Angelo de Souza	INCREASE IN ENERGY EFFICIENCY AND REDUCTION OF WATER LOSSES IN SUPPLY SECTORS IN THE MUNICIPALITY OF ITAPEVI -SP	Brazil
		Tomislav Vitovski	LEAK DETECTION ON PLASTIC PIPES. WHAT'S CHANGED?	Croatia	Metin Misirdali	REDUCING THE LEAKAGES ON THE WAY TO 20 MILLION RESIDENTS, ISTANBUL'S NRW JOURNEY OVER 5 YEARS	Turkey	Klavs Høgh	SOLVING THE FAVAD EQUATION	Denmark
10:30 to 11:00	Coffee Break									
11:00 to 12:30		A5: Performance Based NRW Management Contracts Chair: Joerg Koelbl			B5: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring Chair: Igor Dundovic			C5: NRW Assessment and Strategy - Part B Chair: Fabio Garzon		
		Author	Title	Country	Author	Title	Country	Author	Title	Country
		Ernest Ronnie Ngaivale	PERFORMANCE BASED INCENTIVE PROGRAM FOR NON-REVENUE WATER REDUCTION IN LILONGWE CITY	Malawi	Paula Prado Viti Junqueira	ANALYSIS OF SMART METER DATA FOR OPTIMIZATION OF WATER MANAGEMENT IN WATER UTILITIES	Brazil	Richard Collins	MANAGING BACKGROUND LEAKAGE	UK
		Nathalia Weruska da Silva Pessoa	RESULTS-BASED CONTRACT FOR REDUCING LOST VOLUME AND INCREASING VOLUME THROUGH ACTIONS TO COMBAT APPARENT AND REAL LOSSES	Brazil	Michele Mondani / Marianna Marinoni	DIGITAL WATER AND DATA-DRIVEN INNOVATION: THE LRH STRATEGY	Italy	Wellington Jorge Santos	LOSS ALREADY STARTS AT 15% DUE TO MEASUREMENT INACCURACY. HOW TO MITIGATE IT PERMANENTLY? ELECTRONIC METERS WITH MORE THAN 8 YEARS PERFORMING LIKE NEW	Brazil
	Joe Dalton	WHY PERFORMANCE-BASED CONTRACTS ARE NOT A PANACEA FOR REDUCING NON-REVENUE WATER	Ireland	Filip Vancoillie	AVOIDING VENDOR LOCK-IN THROUGH AN OPEN ECOSYSTEM APPROACH TO NON-REVENUE WATER REDUCTION IN FLANDERS	Belgium	Saroj Kumar Sharma	ANALYSIS AND PREDICTION OF UNAUTHORISED CONSUMPTION USING ANN	Netherlands	
	Jamie Paterson	PERFORMANCE-BASED NRW CONTRACTS UNDER INTERMITTENT SUPPLY: WHAT WORKS, WHAT BREAKS AND WHAT WE SHOULD RETHINK	UK	Claudio Cortés Henríquez	OVERCOMING OPERATIONAL BARRIERS IN SMALL, HIGH-COST SYSTEMS: NON-REVENUE WATER REDUCTION IN TOCOPILLA, CHILE	Chile	Rodolfo Fuchs dos Santos	DEVELOPMENT OF AN INTEGRATED KPI FOR EVALUATING EFFECTIVENESS IN WATER DISTRIBUTION	Brazil	
12:30 to 13:30	Lunch									

	A6: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring Chair: Jiří Paul			B6: Innovative Approaches in Water Loss Reduction Chair: Tomislav Vitovski			C6: NRW Assessment and Strategy - Part C Chair: Sara-Jade Govia		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
13:30 to 15:00	Marília Lara	BEYOND LEAK DETECTION: HOW AI IS REVOLUTIONIZING WATER LOSS MANAGEMENT	Brazil	Steven David Sodek	MONITORING OF HYDRAULIC GRADE LINES BY MICRO-PRESSURE MANAGEMENT USING AI FOR LEAKAGE DETECTION AND OPERATIONAL EFFICIENCY IN RIO DE JANEIRO	Brazil	Milene Aguiar	A REVIEW OF PROGRESS IN WATER LOSS MANAGEMENT IN BRAZIL OVER THE LAST TEN YEARS	Brazil
	Alessandro Bettin	INTEGRATING SMART TECHNOLOGIES WITH LEGACY OPERATIONS: A FULL-SCALE DIGITAL NRW STRATEGY FOR URBAN NETWORKS	Italy	Seamus Levin / Francisco Piedade	FLOW BALANCE ANALYSIS IN TRUNK MAIN LEAKAGE INVESTIGATIONS	UK	Alan Wyatt	REAL WATER LOSS ASSESSMENT IN THE CONTEXT OF WATER COST WATER STRESS AND ENERGY USE	USA
	João Pedro Fernandes	SWITCHING FROM REACTIVE TO PROACTIVE MODE – THE KEY PUSH OF THE DIGITAL TRANSFORMATION	Portugal	André Marques Arsénio	LETTING THE DATA DECIDE WHERE TO LOOK: ENOUGH WATER SAVED TO FILL 4,000 OLYMPIC POOLS	Portugal	Cor Merks	THE WATER LOSS CONTROL PROGRAM OF VITENS IN THE NETHERLANDS AIMING TO ALMOST ELIMINATE NRW IN 2030 AT THE LATEST	Netherlands
	Fabrice Lupo	A CASE STUDY: LEVERAGING SCADA TO ADDRESS POTABLE WATER SCARCITY IN KATHMANDU VALLEY, NEPAL, 2020-2025	France	Gustavo de Araújo Lamon	SMART WATER MANAGEMENT AND LOSS REDUCTION THROUGH INSERTION ELECTROMAGNETIC FLOW MEASUREMENT: THE ÁGUAS DO RIO CASE STUDY	Brazil	Alan Boukai	AN IN-DEPTH LOOK INTO DIFFERENT TYPES OF TECHNOLOGIES WITHIN SATELLITE-BASED LEAK DETECTION	USA
15:00 to 15:30	Coffee Break								
	A7: Advances in Customer Metering and Management Chair: Francisco Arregui			B7: Organizational and Institutional Issues Chair: Steven David Sodek			C7: Leak Detection Technologies, Strategies and Equipment Chair: Marion Liemberger		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
15:30 to 16:30	Ariane Patricio de Albuquerque	FROM MANUAL READING TO SMART METERING: TECHNICAL AND OPERATIONAL CHALLENGES IN DEPLOYING IOT SOLUTIONS UNDER SABESP CONTRACTS	Brazil	Jo Parker	CONQUERING THE COBRA	UK	Rafael Humberto Machado Zerunian	USE OF SATELLITE REMOTE SENSING IN WATER LEAK DETECTION: AEGEA'S EXPERIENCE IN RIO DE JANEIRO	Brazil
	Bruno Dalledone Bittar	MANAGEMENT OF COMMERCIAL LOSSES IN MUNICIPALITIES WITH DIFFERENT SOCIO-ECONOMIC CONTEXTS-CASE STUDY OF VITÓRIA AND METROPOLITAN REGION	Brazil	Ignacio Maria Peña	EFFECTIVE CONTRACTUAL FRAMEWORKS FOR WATER LOSS REDUCTION IN AFRICA: INSIGHTS FROM TWO DECADES OF EXPERIENCE	Argentina	Eduardo Rodrigues / Fábio Inácio	REDUCING WATER LOSS THROUGH SATELLITE LEAK DETECTION: A JOINT INITIATIVE OF SEVEN WATER UTILITIES IN THE ALGARVE (PORTUGAL)	Portugal
	Isaac Peña-Pereira	WHEN TO REPLACE A DN15 RESIDENTIAL WATER METER?	Costa Rica	Thiago Theodoro da Silva	MATURITY MODEL FOR WATER UTILITIES: BRIDGING PERFORMANCE CONTRACTS WITH WATER 4.0 AND AI	Brazil	Carolina Villacís Espinoza	USE OF SATELLITE-BASED DETECTION FOR NON-REVENUE WATER RECOVERY, FOCUSED ON FINANCIAL SUSTAINABILITY IN DRINKING WATER AND DRAINAGE SERVICE PROVIDERS	Mexico
16:30 to 17:30	OPEN MEETING of the IWA WATER LOSS SPECIALIST GROUP Activities, initiatives, discussions Non-IWA WLSG members are MOST WELCOME								
Evening	FREE								

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		STREAM A			STREAM B			STREAM C		
		A8: NRW Assessment and Strategy - Part A Chair: Jo Parker			B8: Technology Application in Water Loss Reduction Chair: Robbert Lodewijks			C8: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring Chair: Thomas Crowder		
		Author	Title	Country	Author	Title	Country	Author	Title	Country
09:00 to 10:30		Wojciech Koral / Izabela Malota / Ewelina Kilian-Blazejewska	HOW LOW CAN WE GO WITH WATER LOSS REDUCTION? CASE STUDY FROM PIEKARY SLASKIE, POLAND	Poland	César Martín Megías	METHODOLOGY FOR NRW REDUCTION AT CANAL DE ISABEL II	Spain	Anna Bojko	DIGITAL NRW TOOLS: HYPE VS. HELP - WHAT WORKS, WHAT DOESN'T, AND WHAT REALLY MATTERS	French Guiana
		Rodrigo Albuquerque Gonçalves	REDUCTION OF LOSSES THROUGH THE IMPLEMENTATION OF DMCs IN FORTALEZA-CE, WITH PERFORMANCE-BASED REMUNERATION	Brazil	Josep Francesc Pons I Ausina	WATER SMART: A GIS AND AI-ASSISTED PLATFORM FOR REDUCING NON-REVENUE WATER IN SISAR UTILITIES, NORTHEAST BRAZIL	Spain	Baker Bozeyeh	HUMAN-CENTERED NRW MANAGEMENT: AGENTIC AI TO FACILITATE DIGITALIZATION AND SMART(ER) WATER LOSS MANAGEMENT - CASE STUDIES FROM PALESTINE & BRAZIL	Jordan
		Manuel Gustavo Valverde Lopez	STILL LEAKING AFTER ALL THESE YEARS: INSIGHTS FROM TWO DECADES OF WATERMAIN INSPECTIONS	Canada	Mario Donoso	TECHNICAL-ECONOMIC COMPARISON OF THREE LEAK DETECTION METHODS: ACOUSTIC, GAS TRACKING AND CANINE TEAM IN AGUAS ANDINAS	Chile	Fabio Garzon-Contreras	A COMPREHENSIVE GUIDE TO DMA DATA MANAGEMENT FOR ENHANCED WATER LOSS REDUCTION STRATEGIES	Colombia
		Clarissa Campos de Sá	PERFORMANCE-BASED CONTRACT FOR LOSS REDUCTION: INNOVATION, EFFICIENCY, AND WATER SECURITY FOR THE FUTURE OF JOINVILLE	Brazil	Tom Woolley	TRANSFORMING WATER UTILITIES: HOW AI-POWERED RISK MODELING OPTIMIZES PIPE REPLACEMENT TO REDUCES WATER LOSSES	USA	Claudia Orlandina Martins Batista	CHALLENGES AND IMPACTS OF HYDRAULIC MODELING-BASED INTERVENTIONS FOR WATER LOSS CONTROL IN SYSTEMS WITH INCOMPLETE TECHNICAL RECORDS	Brazil
10:30 to 11:00	Coffee Break									
11:00 to 12:30		A9: NRW Assessment and Strategy - Part B Chair: Marco Fantozzi			B9: Organizational and Institutional Issues Chair: Charles Dywer			C9: Smart Monitoring and Predictive Analytics in Water Loss Management Chair: Alessandro Bettin		
		Author	Title	Country	Author	Title	Country	Author	Title	Country
		Diego Cuenca	PERFORMANCE-BASED AND GLOBAL CONTRACT – AN ALTERNATIVE FOR LOSS MANAGEMENT IN THE MUNICIPALITY OF GUARULHOS IN SÃO PAULO	Brazil	Juan Jose Escobar Morales	ORGANIZATIONAL CAPACITY THE KEY TO EFFICIENT MANAGEMENT OF WATER LOSSES	Colombia	Stuart Mawditt	UNDERSTANDING AND PREDICTING CUSTOMER CONSUMPTION TO HELP REDUCE DMA LEAKAGE	UK
		Alberto Gambardella	EU RECOVERY PLAN FUND FOR WATER LOSS REDUCTION IN ITALY: LESSONS LEARNT AND INPUTS FOR INTERNATIONAL UTILITIES	Italy	Debora Soares	SILVER JUBILEE: 25 YEARS OF CERTIFICATION IN NON-VISIBLE LEAK DETECTION	Brazil	Xavier Torret Requena	ADVANCED ZONING AND DMA DESIGN WITH GISWATER 4: OPEN-SOURCE INNOVATION IN WATER NETWORK PLANNING	Spain
	Thomas Vienot	OPERATIONAL EXCELLENCE IN WATER LOSS REDUCTION: INSIGHTS FROM RURAL AND URBAN CONTEXTS IN FRANCE	France	Andrew Tal Blackwell	FROM POLICY TO PERFORMANCE: DRIVING EFFECTIVE WATER LOSS CONTROL IN THE US THROUGH POLICY, REGULATIONS AND WATER AUDIT VALIDATION	USA	Edmund Riehle	RETROFITTING WATER MAINS FOR REAL-TIME MONITORING USING DISTRIBUTED ACOUSTIC SENSING (DAS)	Germany	
	Dale C. Santiago	THE IMPACT OF STRATEGIC PRESSURE AMPLIFICATION ON LEAK FINDINGS AND DETECTION EFFICIENCY IN DISTRICT METERED AREAS (DMA)	Philippines	Marcelo Dalcul Depexe	THE IMPORTANCE OF THE HUMAN FACTOR IN RELATION TO TECHNOLOGIES AND PROCESSES IN THE IMPLEMENTATION OF A LOSS REDUCTION PROGRAM	Brazil	Ana Luis Sousa	SMART LEAK MANAGEMENT IN WATER SUPPLY SYSTEMS: A PRE-DETECTION LEAK ALARM AND LOCALIZATION MODEL USING MACHINE LEARNING	Portugal	
12:30 to 13:30	Lunch									

	A10: NRW Assessment and Strategy - Part C Chair: Cor Merks			B10: Capacity building and HR issues Chair: Milene Aguiar			C10: Smart Water Networks and Relevant IT Solutions Chair: Anna Bojko		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
13:30 to 15:00	Robbert Lodewijks	SCALABLE LEAK DETECTION AND LOCALISATION: AI-HYDRAULIC INTEGRATION USING EXISTING INFRASTRUCTURE – A CASE STUDY WITH AGUAS DO RIO (AEGEA), BRAZIL	Netherlands	Carlos Rafael Bortolotto Galhardo	CHALLENGES IN IMPLEMENTING A TRAINING PROGRAM TO COMBAT LOSSES IN A WATER UTILITY	Brazil	Thomas Crowder	MAKING THE WATER BALANCE SMARTER	UK
	Gabriele Confortola	BENEFITS OF THE APPLICATION OF WATER BALANCE VALIDATION TO AN ITALIAN UTILITY	Italy	Marion Liemberger	LEAKS DON'T JUST WASTE WATER—THEY WASTE TRUST!	Austria	Zheng Wu	AI-POWERED DIGITAL TWIN SOLUTION FOR FACILITATING LEAKAGE DETECTION AND LOCALIZATION IN WATER DISTRIBUTION SYSTEMS	USA
	Abdoulie Bah	A NATIONAL VISION FOR NRW REDUCTION IN THE GAMBIA: FROM AWARENESS TO ACTION	The Gambia	Marco Fantozzi	QUALIFICATION & CERTIFICATION PROCESS OF PERSONNEL ENGAGED IN LEAK DETECTION ACTIVITIES	Italy	Jessica Aline Menezes Lima	PRESSURE MANAGEMENT AS A STRATEGY TO REDUCE LOSSES AND STABILIZE WATER SUPPLY IN THE METROPOLITAN REGION OF RIO DE JANEIRO	Brazil
	Alexandre Gomes de Souza	RESULTS OF THE IMPLEMENTATION OF THE LOSS REDUCTION PROGRAM IN GOIÂNIA, CAPITAL OF THE STATE OF GOIÁS IN BRAZIL	Brazil	Cícero Ferreira Batista	SANITATION GAMES: INNOVATING AND TRAINING PROFESSIONALS IN THE FIELD OF NON-VISIBLE LEAK DETECTION	Brazil	Eliseu Dias	WATER LOSS MANAGEMENT RESULTS AT ACCIONA	Spain
15:00 to 15:30	Coffee Break								
	A11: Tools and Technologies in Water Loss Reduction Chair: Joe Dalton			B11: Organizational and Institutional Issues Chair: Klavs Høgh			C11: Experiences in Water Loss Management Chair: Joseph Butterfield		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
15:30 to 16:30	Rainer Morel / Sébastien Kluth	ENHANCE WATER UTILITY PERFORMANCE WITH DIGITAL TOOLS: BUILD A ROADMAP TO ENERGY SOBRIETY AND EFFICIENCY	France	Marianne Kjellén	REPURPOSING TARIFFS, SUBSIDIES AND FINANCING: INCENTIVICING UNIVERSAL ACCESS WITH REDUCED WATER AND ENERGY WASTAGE	Sweden	David Sanchez	SECTORIZATION AND PRESSURE MANAGEMENT IN WATER NETWORKS WITH SEASONAL HYBRID SUPPLY: CONTINUOUS IN WINTER AND INTERMITTENT IN SUMMER	Mexico
	Mitch Donnelly	HOW THE OTHER HALF ADOPTS: LESSONS FROM THE GLOBAL ADOPTION OF NRW TECHNOLOGY	UK	Natalie Lamb	MIND THE GAP: LESSONS LEARNED FROM A LEAKAGE GLOBAL CALL FOR INNOVATION IN COLLABORATION WITH UK AND IRISH WATER COMPANIES	UK	Gildas Clochard-Bossuet	QUALITY AND DURABILITY OF DRINKING WATER NETWORK PLASTIC PIPES	Chile
	Csaba Haranghy	THE MISKOLC CASE STUDY, HOW WE REDUCED FROM 62% WITH LOW BUDGET	Hungary	Paulo Rogerio Palo	HOW STRENGTHENING CAPACITY FOR NON-REVENUE WATER MANAGEMENT THROUGH INTERNATIONAL COOPERATION AND THE IMPLEMENTATION OF PILOT PROJECTS	Ecuador	Judy Ann Almedilla Santiago	TRANSIENT PRESSURE DETECTION AND ANALYSIS: A CASE STUDY	Philippines
16:30 to 17:30	CLOSING CEREMONY Stuart Hamilton / Gary Wyeth Closing of Water Loss 2026 / Announcement of Water Loss 2028 GALA DINNER								
19:00 to 23:30	Faro Beach Club (https://www.farobeachclub.com.br/): It's an exclusive space, designed with the sophisticated style of European Beach Clubs, to be the perfect setting for the event. At Faro Club, you'll find comfort, security, fine dining, beach access, and a paradisiacal ocean view! Located in the heart of Leblon, Faro Beach Club is highly versatile, ideal for hosting our Gala Dinner.								