

**WORKSHOPS**

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

09:00 to 10:30	<p align="center"><b>WORKSHOP 1: Financing a Water-Secure Future: Solutions and Opportunities for Water Loss Reduction (WORLD BANK GROUP)</b></p> <p align="center"><b>Convener/Moderator: Gregory Koffi KPEGLI – Water Industry Specialist at WBG - Panelists/Presenters: Maria Catalina Ramirez – Senior Water Supply and Sanitation Specialist at WBG / Didier Carron – CEO of Naldeo</b></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	<b>Break</b>
11:00 to 12:30	<p align="center"><b>WORKSHOP 2: Results of the IWA Global Water Loss KPI Initiative (IWA WATER LOSS SPECIALIST GROUP)</b></p> <p align="center"><b>Conveners / Moderators: Alan Wyatt/ Joerg Koelbl - Water Loss Specialist Group</b></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	<b>Break</b>
13:30 to 15:00	<p align="center"><b>WORKSHOP 3: The link between Water Losses and Water Security (IWA WATER SAFETY AND SECURITY SPECIALIST GROUP)</b></p> <p align="center"><b>Convener/Moderator: Mara Ramos, Segurança e Resiliência Hídrica, Diretoria de Planejamento e Projetos de Engenharia, SABESP - Panelists/Presenters: TBC</b></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>
15:30 to 16:30	<b>Closed Meeting: IWA WLSG Management Committee</b>
18:30 to 20:30	<b>WELCOME RECEPTION</b> Location: Congress Centre

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

	STREAM A			STREAM B			STREAM C		
<b>OPENING CEREMONY - PLENARY SESSION</b>									
Master of Ceremonies: Gary Wyeth									
09:00	<p>Welcome address: <b>Stuart Hamilton</b> - Chair WLSG <b>Marcel Sanches</b> - President ABES <b>Kala Vairavamoorthy</b> - Executive Director IWA</p> <p>Keynote Speakers: <b>Jairo Tardelli</b> - Brazilian Water Expert - TBC <b>Dr George Milis</b> - Demystifying AI: Cutting through hype and myths to achieve real impact</p> <p>Cultural / local show -Brazilian Culture</p>								
to									
10:30									
10:30 to 11:00	Coffee Break								
11:00 to 13:30	<b>A1: NRW Assessment and Strategy</b> Chair: Joe Dalton			<b>B1 :Network Zoning, DMAs, Pressure Management</b> Chair: Ignacio Maria Peña			<b>C1: Smart Monitoring and Predictive Analytics in Water Loss Management</b> 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	GERENCIAMENTO DE EVENTOS COM IA PARA REDUÇÃO DE PERDAS	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	Joseph Butterfield	HOW PIPE CONDITION ASSESSMENT DELIVERED RETURN ON INVESTMENT IN SINGAPORE	UK
	Jiří Paul	THE DARK SIDE OF NICE NUMBERS	Czech Republic	Nurul Carmiela Bidi	AIR SELANGOR EFFECTIVE NRW STRATEGY AND ACHIEVEMENTS	Malaysia	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	<b>A2: Water Loss Management Strategies</b> Chair: Jamie Paterson			<b>B2: Leak Detection Technologies, Strategies and Equipment</b> Chair: Uri Gutermann			<b>C2: Advances in Customer Metering and Management</b> 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 FLOWMETERS AS A TOOL FOR IDENTIFYING REAL LOSSES IN TRANSMISSION MAINS	UK	Carlos Rafael Bortolotto Galhardo	INSPEÇÃO DE RECEBIMENTO DE HIDRÔMETROS: GARANTIA DA QUALIDADE METROLÓGICA, CONFORMIDADE E SUSTENTABILIDADE OPERACIONAL	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	GEOTECNOLOGIAS NA DETECÇÃO DE VAZAMENTOS: SOLUÇÃO PARA GESTÃO OPERACIONAL E REDUÇÃO DE PERDAS EM SISTEMAS DE ABASTECIMENTO DE ÁGUA	Brazil	Márcio Henrique Vieira	MELHOR MEDIR MELHOR - GESTÃO ASSERTIVA DE HIDRÔMETROS E CAPACITAÇÃO TÉCNICA CONTÍNUA NO COMBATE ÀS PERDAS APARENTES	Brazil
	Miriam Planas	BENCHMARKING OF WATER EFFICIENCY AUDITS OF CATALAN WATER SUPPLY SERVICES	Spain	Nur Athirah Ramdan	AIR SELANGOR'S PERMANENT NETWORK LEAK DETECTION SYSTEM	Malaysia	Paula Kawahara	OTIMIZAÇÃO DA RENOVACÃO DE HIDRÔMETROS PARA AUMENTO DA EFICIÊNCIA OPERACIONAL	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  17:00	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
	Cyntia Virolli Cid Molina	MAPEAMENTO PARTICIPATIVO DE PERDAS DE ÁGUA: USO DE VGI, OPENSTREETMAP E PLATAFORMAS ABERTAS PARA ENGAJAMENTO CIDADÃO	Brazil	Andrew McCarthy	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
	Vasilis Kanakoudis	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	Bruno Brito	INNOWAVE: A REVOLUÇÃO DIGITAL NA GESTÃO DA ÁGUA NO PORTO	Portugal
	Ashok Natarajan	DIGITAL TWIN OF INDIAN WATER UTILITIES	India	Carlos Cesar Oliveira Araujo Filho	PREVISÃO DE DEMANDA E RESERVAÇÃO NO PLANEJAMENTO OPERACIONAL E ESTRATÉGICO NO COMBATE À ESTIAGEM	Brazil	Clive Harrison	LESSONS FROM USING MACHINE LEARNING ALGORITHMS ON PUBLIC DOMAIN DATA TO UNDERSTAND TAIPEI WATER'S LEAKAGE REDUCTION SUCCESS STORY	UK
	Thomas Perianu	DIGITAL TWIN FOR SMART WATER NETWORK MANAGEMENT	Singapore				Denis Devos	IMPROVING DMA RELIABILITY THROUGH SMART VALVE MONITORING : SWDE'S INNOVATIVE APPROACH	Belgium
19:30 to 23:00	WOMEN'S NETWORK EVENING - Details to be released soon								

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	STREAM A			STREAM B			STREAM C			
09:00 to 10:30	A4: Leak Detection Technologies, Strategies and Equipment Chair: Stuart Stapely			B4: Network Zoning, DMAs Pressure Management Chair: Kelvin Siew			C4: NRW Assessment and Strategy - Part A Chair: Wil Jernigan			
	Author	Title	Country	Author	Title	Country	Author	Title	Country	
		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	Khor Tse Tong	LEAKAGE REDUCTION WITH TRUNK MAIN PRESSURE MANAGEMENT	Malaysia	Joanna Sosna / 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	Josep Francesco Pons I Ausina	WATER SMART: A GIS AND AI-ASSISTED PLATFORM FOR REDUCING NON-REVENUE WATER IN SISAR UTILITIES, NORTHEAST BRAZIL	Spain
	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	
13:30 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: Gregory Kpegli			
	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	ANÁLISE DE DADOS DE MEDIDORES INTELIGENTES PARA OTIMIZAÇÃO DA GESTÃO HÍDRICA EM UTILIDADES DE ÁGUA	Brazil	Sara Daniela Oliveira Cunha	ATÉ ONDE COMPENSA REDUZIR? AVALIAÇÃO DO NÍVEL ECONÓMICO DE PERDAS DO SISTEMA DE ABASTECIMENTO DE ÁGUA DO PORTO	Portugal
		Nathalia Weruska da Silva Pessoa	CONTRATO BASEADO EM RESULTADOS PARA REDUÇÃO DE VOLUME PERDIDO E INCREMENTO DO VOLUME POR AÇÕES DE COMBATE À PERDAS APARENTES E REAIS	Brazil	Laura Anna Boscarello	DIGITAL WATER AND DATA-DRIVEN INNOVATION: THE LRH STRATEGY	Italy	Wellington Jorge Santos	A PERDA JÁ PARTE DE 15% DEVIDO À IMPRECIÇÃO DA MEDIÇÃO. COMO MITIGAR DE FORMA PERENE? MEDIDORES ELETRÔNICOS COM MAIS DE 8 ANOS PERFORMANDO COMO NOVO.	Brazil
		Joe Dalton	WHY PERFORMANCE-BASED CONTRACTS ARE NOT A PANACEA FOR REDUCING NON-REVENUE WATER	Ireland	Filip Vancouillie	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	DESENVOLVIMENTO DE UM KPI INTEGRADO PARA AVALIAÇÃO DA EFETIVIDADE NA DISTRIBUIÇÃO DE ÁGUA	Brazil	
12:30 to 13:30	Lunch									

A6: Advances in Customer Metering and Management Chair: Francisco Arregui				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	Verson Kafodya	NRW ASSESSMENT AND REDUCTION IN WATER SUPPLY SYSTEMS WITH PREPAID METERS - CASE STUDY OF BLANTYRE WATER BOARD	Malawi	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
to	Ariane Patricio de Albuquerque	FROM MANUAL READING TO SMART METERING: TECHNICAL AND OPERATIONAL CHALLENGES IN DEPLOYING IOT SOLUTIONS UNDER SABESP CONTRACTS	Brazil	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
15:00	Bruno Dalledone Bittar	MANAGEMENT OF COMMERCIAL LOSSES IN MUNICIPALITIES WITH DIFFERENT SOCIO-ECONOMIC CONTEXTS-CASE STUDY OF VITÓRIA AND METROPOLITAN REGION	Brazil	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
	Isaac Peña-Pereira	WHEN TO REPLACE A DN15 RESIDENTIAL WATER METER?	Costa Rica	Gustavo de Araújo Lamon	SMART WATER MANAGEMENT AND LOSS REDUCTION THROUGH INSERTION ELECTROMAGNETIC FLOW MEASUREMENT: THE ÁGUAS DO RIO CASE STUDY	Brazil	Alan Boaki	AN IN-DEPTH LOOK INTO DIFFERENT TYPES OF TECHNOLOGIES WITHIN SATELLITE-BASED LEAK DETECTION	Israel
15:00 to 15:30	Coffee Break								
A7: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring Chair: Jiří Paul				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	Alessandro Bettin	INTEGRATING SMART TECHNOLOGIES WITH LEGACY OPERATIONS: A FULL-SCALE DIGITAL NRW STRATEGY FOR URBAN NETWORKS	Italy	Jo Parker	CONQUERING THE COBRA	UK	Rafael Humberto Machado Zerunian	USO DE SENSORIAMENTO REMOTO POR SATÉLITE NA DETECÇÃO DE VAZAMENTOS DE ÁGUA: EXPERIÊNCIA DA AEGEA NO RIO DE JANEIRO	Brazil
to	Aisha Mamade	SWITCHING FROM REACTIVE TO PROACTIVE MODE – THE KEY PUSH OF THE DIGITAL TRANSFORMATION	Portugal	Ignacio Maria Peña	EFFECTIVE CONTRACTUAL FRAMEWORKS FOR WATER LOSS REDUCTION IN AFRICA: INSIGHTS FROM TWO DECADES OF EXPERIENCE	South Africa	Eduardo Filipe Pimentel Rodrigues	REDUCING WATER LOSS THROUGH SATELLITE LEAK DETECTION: A JOINT INITIATIVE OF SEVEN WATER UTILITIES IN THE ALGARVE (PORTUGAL)	Portugal
16:30	Márcia Lara	BEYOND LEAK DETECTION: HOW AI IS REVOLUTIONIZING WATER LOSS MANAGEMENT	Brazil	Thiago Theodoro da Silva	MATURITY MODEL FOR WATER UTILITIES: BRIDGING PERFORMANCE CONTRACTS WITH WATER 4.0 AND AI	Brazil	Carolina Villacís Espinoza	USING SATELLITE-BASED LEAK DETECTION TO IDENTIFY ILLEGAL CONNECTIONS AND IMPROVE UTILITY REVENUE PERFORMANCE	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		
09:00 to 10:30	<b>A8: NRW Assessment and Strategy - Part A</b> Chair: Jo Parker			<b>B8: Technology Application in Water Loss Reduction</b> Chair: Robbert Lodewijks			<b>C8: Digital Transformation in Water Networks and Enhancing Water Loss Monitoring</b> Chair: Thomas Crowder		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
	Wojciech Koral	HOW LOW CAN WE GO WITH WATER LOSS REDUCTION?	Poland	Kelvin Siew	LEAK REPORTING FEATURE IN AIR SELANGOR CONSUMER APP	Malaysia	Anna Bojko	DIGITAL NRW TOOLS: HYPE VS. HELP - WHAT WORKS, WHAT DOESN'T, AND WHAT REALLY MATTERS	French Guiana
	Rodrigo Albuquerque Gonçalves	REDUÇÃO DE PERDAS POR IMPLANTAÇÃO DE DMCS EM FORTALEZA-CE, COM REMUNERAÇÃO BASEADA EM PERFORMANCE	Brazil	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	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	Flávio Reis Oliveira	PROJETO RISCO – ALIANDO SEGURANÇA AO CONTROLO E REDUÇÃO DOS CONSUMOS ILÍCITOS	Portugal	Fabio Garzon-Contreras	A COMPREHENSIVE GUIDE TO DMA DATA MANAGEMENT FOR ENHANCED WATER LOSS REDUCTION STRATEGIES	Colombia
Clarissa Campos de Sá	CONTRATO DE PERFORMANCE PARA REDUÇÃO DE PERDAS: INOVAÇÃO, EFICIÊNCIA E SEGURANÇA HÍDRICA PARA O FUTURO DE JOINVILLE	Brazil	Firas Rababaa	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	<b>Coffee Break</b>								
11:00 to 12:30	<b>A9: NRW Assessment and Strategy - Part B</b> Chair: Marco Fantozzi			<b>B9: Organizational and Institutional Issues</b> Chair: Fabio Garzon			<b>C9: Smart Monitoring and Predictive Analytics in Water Loss Management</b> Chair: Alessandro Bettin		
	Author	Title	Country	Author	Title	Country	Author	Title	Country
	Diego Cuenca	CONTRATO DE PERFORMANCE E GLOBAL UMA ALTERNATIVA À GESTÃO DE PERDAS NO MUNICÍPIO DE GUARULHOS EM 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	BODAS DE PRATA: 25 ANOS DE CERTIFICAÇÃO EM DETECÇÃO DE VAZAMENTOS NÃO VISÍVEIS	Brazil	Tobias Ribeiro Barreto	ALGORITHM FOR IDENTIFYING WATER LOSSES DUE TO FRAUD IN DISTRIBUTION NETWORKS: A CONSUMPTION PATTERN ANALYSIS APPROACH	Brazil
	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	A IMPORTÂNCIA DO FATOR PESSOAS EM RELAÇÃO A TECNOLOGIAS E PROCESSOS, NA IMPLANTAÇÃO DE UM PROGRAMA DE REDUÇÃO DE PERDAS	Brazil	Ana Luís 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	<b>Lunch</b>								

	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	Gabriele Confortola	BENEFITS OF THE APPLICATION OF WATER BALANCE VALIDATION TO AN ITALIAN UTILITY	Italy	Cícero Ferreira Batista	JOGOS DO SANEAMENTO: INOVANDO E CAPACITANDO PROFISSIONAIS DA ÁREA DE PESQUISA DE VAZAMENTOS NÃO VISÍVEIS	Brazil	Thomas Crowder	MAKING THE WATER BALANCE SMARTER	UK
to	Abdoulie Bah	A NATIONAL VISION FOR NRW REDUCTION IN THE GAMBIA: FROM AWARENESS TO ACTION	The Gambia	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
15:00	Alexandre Gomes de Souza	RESULTADO DA IMPLEMENTAÇÃO DO PROGRAMA DE REDUÇÃO DE PERDAS EM GOIÂNIA CAPITAL DO ESTADO DE GOIÁS NO BRASIL	Brazil	Henrique Almeida Ferreira	DESAFIOS NA IMPLEMENTAÇÃO DE UM PROGRAMA DE CAPACITAÇÃO NO COMBATE ÀS PERDAS EM UMA EMPRESA DE SANEAMENTO	Brazil	Jessica Aline Menezes Lima	GERENCIAMENTO DE PRESSÃO COMO ESTRATÉGIA PARA REDUZIR PERDAS E ESTABILIZAR O ABASTECIMENTO DE ÁGUA NA REGIÃO METROPOLITANA DO RIO DE JANEIRO	Brazil
	Xavier Torret Requena	ADVANCED ZONING AND DMA DESIGN WITH GISWATER 4: OPEN-SOURCE INNOVATION IN WATER NETWORK PLANNING	Spain	Marco Fantozzi	QUALIFICATION & CERTIFICATION PROCESS OF PERSONNEL ENGAGED IN LEAK DETECTION ACTIVITIES	Italy	Irene Eppinger Ruiz de Zarate	WATER LOSS MANAGEMENT RESULTS AT ACCIONA	Spain
15:00 to 15:30	<b>Coffee Break</b>								
	A11: Tools and Technologies in Water Loss Reduction Chair: Ashok Natarajan			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	Nuno Marques	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
to	Mitch Donelly	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
16:00	Robbert Lodewijks	SCALABLE LEAK DETECTION AND LOCALISATION: AI-HYDRAULIC INTEGRATION USING EXISTING INFRASTRUCTURE – A CASE STUDY WITH AGUAS DO RIO (AEGEA), BRAZIL	Netherlands	Jorge Andres Huacho Oleas	COMO O FORTALECIMENTO DA CAPACIDADE PARA A GESTÃO DA ÁGUA NÃO CONTABILIZADA ATRAVÉS DA COOPERAÇÃO INTERNACIONAL E DA IMPLEMENTAÇÃO DE PROJETOS PILOTOS	Ecuador	Judy Ann Almedilla Santiago	TRANSIENT PRESSURE DETECTION AND ANALYSIS: A CASE STUDY	Philippines
16:00 to 17:00	<b>CLOSING CEREMONY</b> Stuart Hamilton / Gary Wyeth Closing of Water Loss 2026 / Announcement of Water Loss 2028								
19:00 to 23:30	<b>GALA DINNER</b> Faro Beach Club ( <a href="https://www.farobeachclub.com.br/">https://www.farobeachclub.com.br/</a> ) : It's an exclusive space, designed with the sophisticated style of European Beach Clubs, to be the perfect setting for your event. A the 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.								