

# Preliminary Agenda

Centro de Convenciones, Cartagena de Indias, Colombia

## ► Wednesday, September 27

Time	Room Pegasos	Room Secretaría General	Room Arsenal	Gran Salón Barahona	Claustro de las ánimas
7:00 a.m. - 8:00 a.m.	<b>Registration</b>				
8:00 a.m. - 12:30 p.m.	<b>Workshop 2: Policy, Governance, Business Models &amp; Financial Strategies for Developing District Energy Systems</b> Rob Thornton, International District Energy Association - IDEA Alexander Sharbaroff, International Finance Corporation – IFC (virtual participation) Edgar Botero, MGM Innova Energy Services (Colombia)	<b>Workshop 1: Best Practices in District Energy Systems: Design, Construction, deployment, and Operation</b> Juan Ontiveros, International District Energy Association - IDEA Carlos Valdez, Optimum Energy LLC Andrés Velásquez, CEO BT Consultores (Colombia)	Presentations and Award ceremony Second contest of papers on Energy Districts		Business Roundtable
12:30 p.m. - 2:00 p.m.	<b>Lunch Break</b> Auditorio Getsemani				
2:00 p.m. - 2:45 p.m.	<b>Conference Opening</b> Maria Victoria Ramirez, Electrical Energy Director, Ministry of Mines and Energy of Colombia Eric Mayoraz, Swiss Ambassador to Colombia Carolina González Mueller, Representative in Colombia, United Nations Industrial Development Organization - UNIDO Giovanni Barletta, President Asociación Colombiana de Acondicionamiento del Aire y la Refrigeración - ACAIRE				
2:45 p.m. - 3:15 p.m.	<b>Climate Action Last call: The urgent race to Net Zero and the role of Energy Districts and innovative policy models</b> Katie McGinty Vice President and Chief Sustainability and External Relations Officer Johnson Controls (United States)				
3:15 p.m. - 3:20 p.m.	<b>Greetings from the United Nations Environment Programme - UNEP District Energy in Cities Initiative</b> Benjamin Hickman, Advisor and Project Manager				
3:20 p.m. - 4:20 p.m.	<b>PANEL: ENERGY TRANSITION IN LATIN AMERICA</b> Moderator: Nicolás Rincón Munar, National Planning Department - DNP (Colombia) Medardo Cadena, Latinamerican Energy Organization- OLADE María Victoria Ramírez, Ministry of Mines and Energy (Colombia) Ruben Eduardo Muñoz, Ministry of Energy (Chile) Washington Barriga, Ministry of Production, Foreign Commerce, Investment and Fishing (Ecuador)				
4:20 p.m. - 4:40 p.m.	<b>Break</b>				
4:40 p.m. - 4:45 p.m.	<b>Greetings from the International District Energy Association - IDEA</b> Rob Thornton, President & CEO				
4:45 p.m. - 5:45 p.m.	<b>PANEL: GLOBAL OVERVIEW OF ENERGY DISTRICTS</b> Moderator: Thomas Stetter, Economic and Development Cooperation - SECO of Switzerland (Switzerland) Willy Villasmil, Lucerne University of Applied Sciences and Arts- HSLU (Switzerland) Ahmad Bin Shafar, Empower (United Arab Emirates) Carlyle Coutinho, Enwave (Canada) Rosa Riquelme, Sustainable Energy Agency- ASE (Chile) Cristina Mariaca - Energy Districts in Colombia Project (Colombia)				
6:00 p.m. - 8:00 p.m.	Welcome Cocktail Terrace - Claustro (Invitation required)				

## ► Thursday, September 28

Time	Room Pegasos	Room Secretaría General	Room Arsenal	Gran Salón Barahona	Claustro de las ánimas	
7:00 a.m. - 8:00 a.m.	<b>Registry</b>					
	<b>Use of renewable energies in Energy Districts</b>	<b>University Campus Experiences with Centralized Cooling/Heating Networks</b>	<b>Technologies applied to Energy Districts</b>		Business Roundtable	
8:00 a.m. - 8:40 a.m.	<b>Keynote lecture: The role of renewable energies in the decarbonization of the Energy Districts</b> Willy Villasmil, Lucerne University of Applied Sciences and Arts- HSLU (Switzerland)					
8:40 a.m. - 9:00 a.m.	Experiences in North America Carlyle Coutinho, Enwave (Canada)	Evaluation of Renewable Energy Resources Applied to Energy Districts Ramiro Ortiz Flórez, Universidad del Valle (Colombia)	Energy efficiency in energy districts. Distribution networks and heat transfer stations. Gabriel Covete, Taco Comfort Solutions (United States)			
9:00 a.m. - 9:20 a.m.	Experiences in Europe & Asia Benjamin Hickman, United Nations Environment Programme (UK) - TBC	Cooling Districts. Contributions to improve the sustainability of the University campus. José Luis Ramírez, Universidad Javeriana sede Cali (Colombia)	LeanHeat, design and simulation of systems for Energy Districts Carolina López Botero & Juan Camilo Granada. Danfoss (Colombia)			
9:20 a.m. - 9:40 a.m.	Llanogas District Energy. A commitment to urban sustainability. Jorge Rico & Daniel López, Llanogas S.A E.S.P. (Colombia)	Energy Districts Electrification James Stephens, Georgia Institute of Technology (Estados Unidos)	An innovative approach to measure and control energy Scott Reed, Belimo (United States)			
9:40 a.m. - 10:00 a.m.	Q&A: HSLU, Enwave, UNEP, Llanogas	Intramural energy districts: an alternative for high efficiencies in research buildings Carlos Javier Herrera, Onix Servicios Integrados SAS (Colombia)	Digital Twin and Artificial Intelligence applied in Utilities Plants. Joao Oliveira, Johnson Controls (Brasil)			
10:00 a.m. - 10:30 a.m.	<b>Break</b>					
	<b>Contribution of Energy Districts to the sustainability of the cities</b>	<b>Experiences of implementation of Energy Districts</b>	<b>Continued: Technologies applied to Energy Districts</b>			
10:30 a.m. - 10:50 a.m.	Contribution of ED to the sustainability of the cities in Dubai Ahmad Bin Shafa, Empower (United Arab Emirates)	The potential of Energy Districts in the framework of urban planning Tatiana Sanchez, Urban Planning Expert Consultant (Colombia)	Digital Twins Application for Energy Districts Commissioning Andres Velásquez & Efraín Rodríguez. BT Consultants SAS (Colombia)			
10:50 a.m. - 11:10 a.m.	Importance of Energy Districts to guarantee Puerto Rico's energy security. Marlon Cabrera, Empire Gas (Puerto Rico)	Design criteria for intramural energy districts in Bogota for thermal energy supply Jaime Buitrago & Felipe Ortiz, Grupo Vanti (Colombia)	Billing Automation in Energy Districts Johan Pinzón, Abaco Hydraulics (Colombia)			
11:10 a.m. - 11:30 a.m.	Contribution of ED to the sustainability of the cities in Chile Rosa Riquelme, National District Energy Office, Sustainable Energy Agency- ASE (Chile)	Use of water from the Sinú River in the Ciudad Norte - Montería Energy District. Gabriel Jiménez, HVAC/Eon Eficiencia Energética (Colombia) & Sebastian Baes, Extraqt (Belgium)	Use of ammonia as a refrigerant in Energy Districts Carlos Marulanda, Bitzer (Colombia)			
11:30 a.m. - 11:50 a.m.	Contribution of ED to the sustainability of the cities in Colombia - Case Study Bogotá Diego Rubio, District Office of Environment, Bogotá (Colombia)	Building Energy Outlook in the 21st Century Fabio Clavijo, ASHRAE (Colombia)	Experience in the use of solar energy in Energy Districts Andrés Rodríguez, Ener Andina (Chile)			
11:50 a.m. - 12:10 m.	Contribution of ED to the sustainability of the cities in Colombia Case Study Cali Viviana Sánchez, Administrative Department of Environmental Management, Cali - DAGMA (Colombia)	Commissioning in Energy Districts, Ensuring the quality of a project from design to implementation Luis Antonio González Aya, Green Loop (Colombia)	Artificial Intelligence applied to control of coolings systems Jason Harrison, Daikin Holdings Operation (Singapore)			
12:10 m. - 12:30 p.m.	Q&A: Empower, Empire Gas, ASE Chile, Colombia.	Integration of existing, new and future projects into energy districts César Javier Claro Lopez, Medical Duarte (Colombia)	Low environmental impact industrial chillers Andrés Hurtado, Audit Air Colombia (Colombia)			
12:30 p.m. - 2:00 p.m.	<b>Lunch Break</b>					
	<b>Finance and business models for the implementation of Energy Districts</b>	<b>Decarbonization of Energy Districts</b>	<b>Knowledge Sustainability for Energy Districts</b>		Expo	
2:00 p.m. - 2:20 p.m.	Business Models applied to Energy Districts in Latinamerica Juan Carlos Gómez, Case Study EPM (Colombia)	Circular economy in Energy Districts Marlon Cabrera, Baltimore Aircoil Company (United States)	Qualifications catalog for the refrigeration, air-conditioning and energy districts industry Yanira Corredor, Ivan Tovar & Ricardo Chegwin (Colombia)			
2:20 p.m. - 2:40 p.m.	Business Models applied to Energy Districts in Latinamerica Case Study Celsia (Colombia)	Use of Large Scale Heat Pumps in District Cooling Systems Joaquin Font, BR+A Consulting Engineers (United States)				
2:40 p.m. - 3:00 p.m.	Contractual schemes for the provision of cooling services for public entities. Dario Mayorga, Corpoema (Colombia)	Decarbonized Energy Districts through cogeneration Javier Duarte, Services Manager, Supornova Energy Services (Colombia)	Sectorial Labor Competence Standards for Energy Districts Sandra Ospina, CEET SENA (Colombia)			
3:00 p.m. - 3:20 p.m.	Cooling as a service for public entities (TBC) Dirección de Impuestos y Aduanas Nacionales - DIAN (Colombia)	Smart Campuses: new adaptations of chilled water optimization Mario Mendoza, DM Engineers (United States)	Teaching Experiences in Energy Districts Camilo Arias, Universidad Distrital Francisco José de Caldas (Colombia)			
3:20 p.m. - 3:40 p.m.	Q&A: EPM, Celsia, Corpoema, DIAN.	Design and operation of an Energy District in the Downtown of Cartagena de Indias José Andrés Valencia, San Francisco Investment (Colombia)	Proposed tax incentives for urban development projects incorporating energy districts Mario Acero, Universidad Autónoma de Bucaramanga (Colombia)			
3:40 p.m. - 4:00 p.m.		Decrease in carbon footprint through implementation of Energy Districts Camilo Sarmiento, Cesar Ruiz, Setri Sustentabilidad (Colombia)				
4:00 p.m. - 4:15 p.m.	<b>Break</b>					
	<b>Main Auditorium</b>					
4:15 p.m. - 5:15 p.m.	<b>PANEL: Financing Opportunities for the Development of Energy Districts in Latin America</b> Moderator: Natalia Mayorga - Economic and Development Cooperation - SECO of Switzerland (Colombia) Enrique Cadena, National Development Finance - FDN (Colombia) Benjamin Hickman, United Nations Environment Programme (UK) Edgar Botero, MGM Innova Energy Services (Colombia)					
5:15 p.m. - 5:30 p.m.	<b>Award ceremony: 4th University Contest on Energy Districts</b>					
5:30 p.m. - 6:00 p.m.	<b>CLOSING CEREMONY</b> Energy Districts in Colombia Project					
6:00 p.m. - 8:00 p.m.	Integration Cocktail Offered by Johnson Controls (Invitation required)					

## ► Friday, September 29

Friday, 29 Sept 2023					
Time				Gran Salón Barahona	
8:00 a.m. - 12:30 p.m.	Technical Tours to the Energy Districts: Serena del Mar & San Francisco			Trade Show	