

THE WEXGlobal Bioeconomy SUMMIT

From Organic Waste Streams to Circular Value Systems

2-4 November 2026 in Lisbon, Portugal

Summit Agenda

TITANIUM SPONSOR

AtkinsRéalis

AN INTERNATIONAL SUMMIT PRODUCED BY

WEXGlobal
WASTE TO RESOURCE EXCHANGE

WEX Global

wexglobal-bioeconomy.com

Monday 2nd November : Day 1
Sustainability Day

09.30 – 12.30:

Technical Site Visits

Buses Depart from hotel entrance at 9.30am.

Beirolas Water Factory
Visit the Beirolas Water Factory to explore how wastewater treatment supports a circular economy. Serving around 197,000 people, it produces reclaimed water, renewable energy and treated biosolids for agricultural use. Home to Portugal's largest reclaimed water production facility and the Água Mãe® Living Lab, Beirolas is a centre for innovation in water reuse and resource recovery, recognised with a WEX Global Award in 2024.

Alcântara Water Factory
Visit the Alcântara Water Factory, one of Portugal's largest wastewater treatment facilities, serving around 800,000 people. Discover how advanced treatment protects the River Tagus while recovering valuable resources, including reclaimed water and treated biosolids for agricultural use. Its distinctive 27,000 m² green roof demonstrates how essential urban infrastructure can combine environmental protection, biodiversity and sustainable design.

Pre-Event Forum
Deployment, Markets and Infrastructure

Coffee Lounge – Foyer (Floor 2)

The Coffee Lounge will be available Monday 17.30-18.30, and all day Tuesday and Wednesday, offering refreshments to delegates. Sponsored by our Platinum Utility Partner, **Águas de Portugal**.

13.30 – 14.00:

World Water Film Festival – Londres (Floor 2)

Water by Mia Allen

Water is an ambient, experiential short film that observes water across domestic, urban, and biological contexts without assigning hierarchy or explanation. With a minimal, dreamlike soundscape, the work prioritizes atmosphere over information. It does not argue or instruct, but instead creates a space for reflection. Through a sequence of quiet, carefully composed images, the film traces how water moves through vessels, surfaces, and living systems, shifting scale from the intimate to the environmental.

If Not For Farming by Samuel Stacey

In Embu County, Kenya, declining rainfall and soil degradation have pushed many smallholder farmers to the brink. If Not for Farming tells the story of a transformative regenerative agriculture initiative, where local farmers, scientists, and private sector partners collaborate to restore soil health, strengthen resilience, and secure food for the future. Through a training model grounded in scientific research and the lived experience of farmers like Sarah, this short documentary reveals how low-cost, sustainable techniques are not only reviving land—but rebuilding confidence, community, and leadership from the ground up.

14.00 – 14.45:



Day 1 Opening Remarks – João Oliveira Miguel, Executive Board Member, AdP VALOR – Londres

Session 1. Creating Markets for Bioresources – From Recovery to Commercial Value – Londres


João Oliveira Miguel


Robert Van Spingelen


Harald Bier


Tom Lisset


Francois Burger


Dr Paul Hilditch

MODERATOR: **João Oliveira Miguel**, Executive Board Member, AdP VALOR
PANEL: **Robert Van Spingelen**, President, European Sustainable Phosphorus Platform (ESPP) CO-Founder & CSO Gilbert Regtech; **Harald Bier**, CEO, Biochar Europe; **Tom Lisset**, Director of Bioreources, Energy & Carbon Services, United Utilties; **Francois Burger**, Managing Director, Agriman; **Dr Paul Hilditch**, Firefly Green Fuels

The long-term success of the circular bioeconomy depends on creating viable markets for recovered nutrients, bio-fertilisers, renewable fuels and bio-based materials. This session explores how utilities, governments and industry can work together to stimulate demand, establish quality standards, overcome barriers to market acceptance and develop competitive supply chains. It will examine the role of policy, industrial partnerships and market innovation in transforming recovered resources into commercially viable products, creating lasting economic value from wastewater and organic waste streams.

14.45 – 15.30:

Session 2. From Innovation to Infrastructure – Scaling Technologies for Resource Recovery – Londres


Nuno Brôco


Albert Cox, PhD


Dave Parry


Yaser Alzuwayed


Robert Perry


Ryan Welsh

MODERATOR / KEYNOTE: **Nuno Brôco**, Chairman and CEO AdP VALOR, Águas de Portugal
PANEL: **Albert Cox, PhD**, Environmental Monitoring and Research Manager, Metropolitan Water Reclamation District of Greater Chicago (MWRDGC), USA; **Dave Parry**, Vice President, Engineering Senior Fellow, Jacobs; **Yaser Alzuwayed**, Director of the Monitoring Department, Saudi Fund For Development; **Robert Perry**, UK Technical Manager, OMEX Agriculture; **Ryan Welsh**, Deputy Director, City of Cincinnati Metropolitan Sewage District

Translating promising technologies from research and pilot projects into reliable, full-scale wastewater infrastructure is a critical challenge for the circular bioeconomy. This session explores how utilities, engineering firms and technology developers can accelerate the deployment of innovative biosolids treatment and resource recovery solutions within existing operational systems. It will examine the practical challenges of scaling new technologies, managing operational risks, ensuring regulatory compliance and establishing the standards and partnerships needed to turn proven innovations into commercially viable, long-term infrastructure solutions.

15.30 – 15.45:



Keynote: "Beyond Waste – From Cradle to Cradle® to a Truly Circular Economy" Albin Kaelin, CEO, epeaswitzerland gmbh – Londres

15.45 – 16.15:

World Water Film Festival – Londres

Sludge: A PFAS Uprising directed by Jeffrey Christian

This powerful documentary explores the devastating consequences of PFAS contamination, the persistent "forever chemicals" threatening agricultural land, water resources and livestock. Through the personal stories of American farmers whose livelihoods have been destroyed, the film exposes the human and environmental costs of contamination and the struggle to secure accountability. Raising urgent questions about the safety of biosolids, environmental protection and the future of land application, Sludge: A PFAS Uprising offers a compelling perspective on one of the most pressing challenges facing wastewater management and the circular bioeconomy.

16.15 – 17.00:

Session 3. Digital Infrastucture for the Circular Economy – Digital Innovation Partner CIMICO – Londres


Miguel Angel Sanz


Mikel Sierra


Richard White


Pete Vale


Michael Avant-Smith

MODERATOR: **Miguel Angel Sanz**, President, MS Consult
PANEL: **Mikel Sierra**, Business Development Manager CIMICO; **Richard White**, Director Data and Information Services, AtkinsRéalis; **Pete Vale**, Carbon & Circular Economy Architect, Innovation and Asset Intelligence Severn Trent, **Michael Avant-Smith**, CEO, Decisio

As wastewater treatment plants evolve into integrated bio-refineries, digital technologies are becoming essential for managing increasingly complex resource recovery systems. This session explores how artificial intelligence, digital twins, advanced sensors and data platforms are helping utilities optimise treatment processes, maximise energy and nutrient recovery, monitor contaminants and improve environmental performance. It will also examine how digital integration between wastewater infrastructure, energy systems, agriculture and industrial supply chains can accelerate the transition towards more efficient, resilient and commercially viable circular bioeconomy systems.

Sponsored by

CIMICO

17.00 – 17.45:

Session 4. Financing the Circular Economy – Londres


João Simão-Pires


Aida Jusufhodzic


Bander Albazai


Matthew Toy


Andrea Aliscioni


Gabriel Blejman

MODERATOR: **João Simão-Pires**, Executive Director, Portuguese Water Partnership
PANEL: **Aida Jusufhodzic**, Technical Advisor, GIZ, Bosnia and Herzegovina and Montenegro; **Bander Albazai**, General Director for Development Affairs, Saudi Fund for Development; **Matthew Toy**, International Water Director, AtkinsRéalis; **Andrea Aliscioni**, CEO, Director General, ACEA ATO 2; **Gabriel Blejman**, Partner, AquaPositive

Scaling the circular bioeconomy will require new approaches to financing infrastructure, technologies and resource recovery systems. This session explores how utilities, governments, development finance institutions and private investors can work together to unlock investment, support sustainable development and accelerate the transition from conventional wastewater treatment towards commercially viable circular value systems. It will examine the role of public-private partnerships, development finance, green investment and climate funding in overcoming financial barriers, reducing investment risks and delivering resilient infrastructure that supports economic growth, environmental sustainability and long-term development goals.

18.00 – 20.00:

Pre-Scheduled Business Meetings – Viena (Floor 2)

18.00 – 18.30: **Business Meeting 1**
18.30 – 19.00: **Business Meeting 2**
19.00 – 19.30: **Business Meeting 3**
19.30 – 20.00: **Business Meeting 4**

20.00: Welcome Reception – Foyer (Floor 1)

Sponsored by

ÁGUAS DE PORTUGAL

AdP VALOR Grupo Águas de Portugal

ÁGUAS DO CENTRO LITORAL Grupo Águas de Portugal

ÁGUAS DO NORTE Grupo Águas de Portugal

ÁGUAS DO TEJO ATLÂNTICO Grupo Águas de Portugal

EPAL Grupo Águas de Portugal

SIMARSUL Grupo Águas de Portugal

Tuesday 3rd November : Day 2
Innovation Day

8.00 – 9.00:

Pre-scheduled Business Meetings – Viena

8.00 – 8.30: Business Meeting 5
8.30 – 9.00: Business Meeting 6

9.05 – 9.40:

Session 5. WEX-BIO Opening Ceremony and Keynotes – Londres


Mark Barker


H.E. João Manuel Esteves


Carlos Braziel David


Bander Albazai


Vasco Rodrigues


Richard Lancaster

SPEAKERS: **Mark Barker**, CEO, WEX Global; **H.E. João Manuel Esteves**, Secretary of State for Environment, Ministry of Environment and Energy, Government of Portugal; **Carlos Braziel David**, Deputy CEO, Águas de Portugal, SGPS, S.A., Portugal; **Bander Albazai**, General Director for Development Affairs, Saudi Fund for Development; **Vasco Rodrigues**, Deputy Ambassador, Embassy of the Kingdom of the Netherlands in Portugal; **Richard Lancaster,** Global Head of Biosolids, Atkins Réalis UK

9.45 – 10.30:



Day 2 Opening Remarks – Richard Lancaster, Global Head of Biosolids, AtkinsRéalis, UK – Londres

Session 6. The Global Pivot in Organic Waste Stream Management – Titanium Sponsor AtkinsRéalis – Londres


Richard Lancaster


Claudio de Jesus


Stacia Eckenwiler


Ana Soares


Aoife Kyne

MODERATOR: **Richard Lancaster**, Global Head of Biosolids, AtkinsRéalis
PANEL: **Claudio de Jesus**, Chairman & CEO, Águas do Tejo Atlântico; **Stacia Eckenwiler**, Assistant Administrator, City of Columbus Water & Power, Division of Water Reclamation, USA; **Ana Soares**, Professor of Biotechnology Engineering at Cranfield University; **Aoife Kyne**, Asset Planning Bioresources Manager Uisce Éireann Irish Water

Growing populations, tighter environmental regulations and increasing demand for energy, water and nutrients are driving a global pivot from traditional waste treatment and disposal towards circular resource recovery and value creation. This session explores how wastewater, biosolids, food waste and agricultural residues are becoming strategic resources within emerging urban and regional bioeconomy systems. It will examine how cities, utilities, agriculture, industry and investors can collaborate across sectors and regions to strengthen nutrient security, mobilise investment, develop circular supply chains and create commercially viable markets for recovered resources, accelerating the transition towards a more sustainable and resource-efficient global economy.

Sponsored by

AtkinsRéalis

10.35 – 11.20:

Session 7. The Agricultural Value of Biosolids – Platinum Utility Partner Águas de Portugal, SGPS, S.A. – Londres


João Oliveira Miguel


Catarina Freitas


John Brosnan


Tony Rutherford


Manuel Sapiano

MODERATOR: **João Oliveira Miguel**, Executive Board Member, AdP VALOR
PANEL: **Catarina Freitas**, Board Member, Forestgal; **John Brosnan**, Bioeconomy Executive, ICOS - Irish Cooperative Organisation Society; **Tony Rutherford**, ioresources Manager, Northumberland Water Group; **Manuel Sapiano**, Senior Analyst (Hydrogeology), Ministry of Agriculture, Malta

Biosolids offer significant potential to improve soil health, restore organic carbon and reduce dependence on synthetic fertilisers, supporting more sustainable agriculture and circular nutrient systems. This session explores the opportunities and challenges of agricultural biosolids reuse, balancing nutrient recovery and fertiliser security with environmental protection, food safety and public confidence. It will examine evolving regulatory frameworks, quality standards and treatment technologies, including the future of land application alongside thermal and advanced treatment alternatives, and how biosolids can be safely integrated into resilient agricultural and circular resource management systems.

Sponsored by

ÁGUAS DE PORTUGAL

11.30 – 12.30: **Pre-scheduled Business Meetings** – Viena

11.30 – 12.00: **Business Meeting 7**
12.00 – 12.30: **Business Meeting 8**

12.35 – 13.20: **Session 8. Circular Cities: The Urban Bioeconomy** – Founding Circle Partner CAMBI – Londres


Harald Kleiven


Dr PKC Bose


Matthew Hardwick


Mr Leonardo Manus


Gary Brown


Miguel Lemos

MODERATOR: **Harald Kleiven**, Sales Director Emerging Markets, CAMBI
Panel:**Dr PKC Bose**, Chairman, CAMBI India & Co-Founder and Managing Director of ENREGO Energy GmbH; **Matthew Hardwick**, Associate Director Master Planning, AtkinsRéalis; **Mr Leonardo Manus**, Executive Director: Water and Sanitation, City of Cape Town, South Africa; **Gary Brown**, Technical Business Development Lead, Sustainalutions, **Miguel Lemos**, Founder & Partner, Nexaris

As cities confront growing pressures on resources, infrastructure and the environment, a fundamental shift is emerging in how urban systems are designed and managed. This session explores how cities can move beyond traditional treatment and disposal models towards integrated urban bioeconomies, where wastewater, organic waste and energy systems work together to generate renewable energy, recover nutrients and create new economic value. It will examine how municipalities, utilities, industry and regional agriculture can collaborate to develop urban bio-refineries, strengthen resource security and build more resilient, sustainable and economically productive cities.

Sponsored by

CAMBI

13.35 – 14.10: Session 9. Regulation, Public Trust and the Circular Bioeconomy – Londres


Frederick Royan


Vera Eiró


Jeanette Henderson


Dan Walker-Nolan


Chris Thornton


Arnt Baer

MODERATOR: **Frederick Royan**, Associate Partner & Global Practice Area Leader Sustainability and Circular Economy, Frost & Sullivan
PANEL: **Vera Eiró**, President, ERSAR – Water and Waste Services Regulation Authority, Portugal; **Jeanette Henderson**, Principal: Innovation, OFWAT, UK; **Dan Walker-Nolan**, Policy Director, Water UK; **Chris Thornton**, Secretary General European Sustainable Phosphorus Platform (ESPP); **Arnt Baer**, Managing Director, Gelsenwasser, Stadtwerkedienstleistungs-GmbH

Regulation and public trust are critical to accelerating the transition from traditional waste management towards circular resource recovery. This session explores how regulators, policymakers and industry can establish frameworks that safeguard public health and the environment while enabling innovation, investment and market development. It will examine the challenges of regulating diverse organic waste streams, establishing risk-based classifications and quality standards, addressing emerging contaminants and creating policies that encourage resource recovery over disposal. The discussion will also consider how transparency, stakeholder engagement and public confidence can strengthen the social licence needed to scale circular bioeconomy systems.

14.15 – 15.45: WEX-BIO Exchange Lunch – Madrid (Floor 1)

More than a networking lunch, this dynamic two-hour exchange brings delegates together around themed discussion tables, each hosted by a leading sector expert. Combining informal networking with focused, interactive discussions, participants can share experiences, debate emerging challenges, explore innovative solutions and identify opportunities for collaboration. Designed to encourage meaningful conversations and new connections across utilities, industry, research and policy, the Exchange Lunch transforms lunchtime into a valuable forum for knowledge sharing, relationship building and practical collaboration.

1. The Agricutural Value of Biosolids – **João Oliveira Miguel**, Executive Board Member, AdP VALOR
2. Wastewater as a Platform for Renewable Energy – **Cláudio de Jesus**, Executive Chairman of Águas do Tejo Atlântico

3. Deployment Readiness of Advanced Thermal Conversion – **Stephen Riches**, Bioresources Technology Global Lead, AtkinsRéalis
4. The Global Pivot in Organic Waste Stream Management – **Richard Lancaster**, Global Head of Bioresources, AtkinsRéalis
5. Sustainable Circular Development – **H.E. Mr. Sultan Abdulrahman Al-Marshad**, Chief Executive Officer of the Saudi Fund for Development (SFD), (KSA)
6. From Data to Value – AI, Digital Twins and the Intelligent Bio-Refinery, **Mikel Sierra**, Business Development Manager, CIMICO
7. Let Nature Do the Dirty Work – The Power of Bioremediation in Biosolids – **Darko Lojen**, Head of EMEA, Drylet Inc
8. Circular Cities: The Urban Bioeconomy – **Dr PKC Bose**, Chairman, CAMBI India & Co-Founder and Managing Director of ENREGO Energy GmbH
9. Beyond the Water Bill: Reinventing the Utility Business Model – **Pavel Policar**, Chairman, VAKHB
10. Infinite Water: Making Wasterwater REuse a Sustainable Reality – **Miguel Angel Sanz**, President, MS Consult
11. Boosting WWTP operational efficiency with resource recovery – **Filipa Alves** – Executive Chairman, Águas do Centro Litoral
12. Challenges and barriers to circularity projects stemming from community awareness – **José Fialho**, Executive Chairman, SIMARSUL
13. Beyond Waste – From Cradle to Cradle to a Truly Circular Economy – **Albin Kaelin**, CEO, epeaswitzerland gmbh
14. Regulation as an Enabler: Building Trust and Unlocking the Circular Bioeconomy – **Vera Eiró**, President, ERSAR ERSAR, Water and Waste Services Regulation Authority, Portugal

15.50 – 16.20:

Pre-scheduled Business Meetings – Viena

15.50 – 16.20: **Business Meeting 9**

16.25 – 16.40:



Keynote: "From Research to Real-World Impact: The Power of Global Collaboration" Peter Grevatt, CEO, Water Research Foundation – Londres

16.45 – 17.40: Session 10. Global Research Collaboration – Londres


Richard Lancaster


Peter Grevatt


Marc Deshusses, Ph.D.


Mike Rose


Jaroslav Moško


David Inman

MODERATOR: **Richard Lancaster**, Global Head of Biosolids, AtkinsRéalis
PANEL: **Peter Grevatt**, CEO, Water Research Foundation; **Marc Deshusses, Ph.D.**, Deputy Director, Water, Sanitation, & Hygiene (WSH), Global Growth & Opportunity (GGO), Gates Foundation; **Mike Rose**, CEO, UK Water Industry Research, UKWIR; **Jaroslav Moško**, Professor, Department of Power Engineering University of Chemistry and Technology, Prague; **David Inman**, Innovation Projects Manager, Anglian Water

Turning scientific research into practical, scalable solutions requires stronger international collaboration between universities, research institutions, utilities and industry. This session explores how global partnerships can accelerate technology development, connect research with real-world operational challenges and move promising innovations from laboratories into commercial deployment. It will examine how joint research programmes, shared demonstration projects, knowledge exchange and cross-border partnerships can overcome barriers to implementation, mobilise resources and create clear pathways from scientific discovery to commercially viable circular bioeconomy solutions.

17.45 – 19.00: Session 11. Innovation Forum – Londres


Frank Rogalla


Juliette Douglas


Juanma Revuelta


Laura Tegethoff


Ulf Leonhard


David Inman


Elena Spallart

MODERATOR: **Frank Rogalla**, Innovation Consultant, SABESP
PANEL: **Juliette Douglas**, International Business Development, Water Alliance; **Juanma Revuelta**, CEO, Finnova; **Laura Tegethoff**, President Water 360; **Ulf Leonhard**, Managing Director, Watervent; **David Inman**, Innovation Projects Manager, Anglian Water; **Elena Spallart**, Water Innovation Analyst, Pure Terra Ventures


Dr Trevor Stuthridge


Ben Pluke


Robin Jordaens


Ebrahim Honar


Guillem Solé

INNOVATORS: **Dr Trevor Stuthridge**, CEO, Cetogenix; **Ben Pluke**, Founder & CEO, Raft Energy; **Robin Jordaens**, Sales Director, Colsen; **Ebrahim Honar**, Chief Commercial Officer, Aquagreen; **Guillem Solé**, Commercial Director, Derypol SA

The WEX Global Bio Innovation Forum brings together pioneering start-ups, technology innovators and major industry organisations to accelerate the development and commercial deployment of breakthrough circular bioeconomy solutions. In this dynamic, fast-paced showcase, six innovative companies will present technologies that transform biosolids and organic waste into valuable resources, engaging with an expert judging panel and live audience through interactive discussion and critical feedback. Designed to connect innovation with investment, industry partnerships and real-world opportunities across water, agriculture, energy and industry, the Forum culminates in the presentation of the Global Bioeconomy Innovation Award at the Summit Gala Dinner.

19.30 – 23.00: WEX-BIO Gala Dinner & Awards Ceremony at the Museu da Água

Sponsored by

AtkinsRéalis

Buses leave 7.15 from the hotel entrance

Wednesday 4th November : Day 3
Collaboration Day

8.30 – 9.00: **Pre-scheduled Business Meetings** – Viena

8.30 – 9.00: **Business Meeting 10**

9.05 – 9.20:



Keynote: "From Innovation to Global Impact: Building the Partnerships That Deliver" Marc Deshusses, Ph.D., Deputy Director, Water, Sanitation, & Hygiene (WSH), Global Growth & Opportunity (GGO), Gates Foundation – Londres

9.20 – 10.35: **Session 12. The WEX Global Partnerships for Progress – Roundtables – Part 1** – Londres



Marco Machado


Diana Duarte


Carlos Contente de Sousa


Ramón González Tévar


Andrea Aliscioni


Arnt Baer



Pat Horne


Ahmed Busuladzic


Tony Rutherford


Manuel Sapiano

1. **EPAL, Marco Machado**, Regional Coordinator at the Wastewater Operations Directorate, EPAL / Águas do Vale do Tejo – Water Treatment Sludge Catalytic Effect on Wastewater Treatment
2. **Águas do Norte, Diana Duarte**, Wastewater Operations Manager – Exploring the Industry Interface to Increase Biogas Production from Biofuels
3. **Águas do Tejo Atlântico, Carlos Contente de Sousa**, Lisboa E-Nova – Carbon Footprint Assessment of New Wastewater Infrastructure Projects
4. **Ramón González Tévar**, Director of Operations, Aljarafesa – WWTP sludge management as an example of circular economy in southern Europe-Andalucía (Spain)

5. **Andrea Aliscioni**, CEO, Director General, ACEA ATO 2 – Beyond Wastewater Treatment: Turning Sewers into Urban Mines
6. **Arnt Baer**, Managing Director, Gelsenwasser, Stadtwerkedienstleistungs-GmbH – From Waste to Strategic Resource: Scaling Phosphorus Recovery for a Circular Bioeconomy
7. **Pat Horne**, Head of Strategy & Commercial Bioresources, Energy & Carbon, United Utlities
8. **Ahmed Busuladzic**, Process Engineer, WWTP Butile-Sarajevo – Sarajevo's Sludge Stockpile: The Next Resource-Recovery Opportunity in the Western Balkans
9. **Northumberland Water Group, Tony Rutherford**, Bioresources Manager – From Wastewater to Agriculture: Assessing the Environmental Trade-offs of Biosolids Use
10. **Ministry of Agriculture**, **Malta, Manuel Sapiano**, Senior Analyst (Hydrogeology) – From Wastewater to Farm Resource: Reclaiming Water, Nutrients and Energy

An unparalleled opportunity to engage directly with the leaders driving the transition towards a circular bioeconomy.

This fast-moving, interactive session brings together leading utilities, international financial institutions and government agencies from around the world, each hosting a roundtable focused on their strategic challenges, future plans and opportunities for accelerating the transition towards a circular bioeconomy.

Delegates choose which organisations to engage with, joining their tables for intensive, solution-focused discussions exploring real-world challenges, emerging projects, investment priorities and opportunities for innovation and collaboration.

With three table rotations, participants can engage directly with multiple decision-makers, exchange expertise, gain fresh insights into emerging opportunities and forge valuable new connections.

Three rounds. Global decision-makers. New ideas, new partnerships and new business opportunities.

10.40 – 11.30:

Session 13. Closing the Loop – Nutrient Recovery, Emerging Contaminants and Circular Value Chains – Londres


Ulrik Hansen Folkmann


Stephen Riches


Jessica Johnson


Mayank Mittal


Dave Parry

MODERATOR: **Ulrik Hansen Folkmann**, Water and Wastewater Sector Expert, Grønbech
PANEL: **Stephen Riches**, Bioresources Technology Global Lead, AtkinsRéalis; **Jessica**

Johnson, Project Manager, City of Cincinnati Metropolitan Sewage District; **Mayank Mittal**, Joint Managing Director Hyderabad Water Supply and Sewerage Board (HWSSB); **Dave Parry**, Vice President, Engineering Senior Fellow, Jacobs

Can we close the nutrient loop without closing our eyes to Contaminants? Recovering nutrients and valuable materials from wastewater and biosolids offers major opportunities to strengthen resource security and create circular value chains linking utilities, agriculture and industry. However, emerging contaminants such as PFAS, microplastics and pharmaceuticals present significant challenges for safe reuse and market acceptance. This session explores how advanced recovery and treatment technologies, effective regulation and cross-sector collaboration can overcome these barriers, build confidence in recovered products and enable safe, commercially viable circular resource systems.

11.35 – 12.20:

Session 14. The Wastewater Bio-Refinery – Designing Integrated Resource Recovery Systems Beyond the Digestion vs Thermal Debate – Londres


Frank Rogalla


Pete Vale


Bill Barber


Ryan Welsh


Gustavo Possetti


Stephen Riches

MODERATOR: **Frank Rogalla**, Innovation Consultant, SABESP
PANEL: **Pete Vale**, Carbon & Circular Economy Architect, Innovation and Asset Intelligence Severn Trent; **Bill Barber**, Technical Director, CAMBI; **Ryan Welsh**, Deputy Director, City of Cincinatti Metropolitan Sewage District; **Gustavo Possetti**, Head of Research and Innovation, SANEPAR; **Stephen Riches**, Bioresources Technology Global Lead, AtkinsRéalis

As wastewater treatment plants evolve into integrated bio-refineries, utilities must move beyond traditional technology choices towards systems that maximise the recovery of energy, nutrients and valuable materials. This session explores how biological, thermal and advanced treatment processes can be combined to deliver efficient, resilient and commercially viable resource recovery infrastructure, addressing the practical engineering, operational and investment challenges of designing and scaling the next generation of wastewater bio-refineries.

12.25 – 13.40:

Session 15: The WEX Global Partnerships for Progress – Roundtables – Part 2 – Londres


Sandra Jorge


Elmer Alves Duarte


Duska Cucka


Wilson Bley Lipski


Mayank Mittal


João Oliveira Miguel


Albert Cox, PhD


Aoife Kyne


Pavel Policar


Jessica Johnson

1. **Águas do Centro Litoral, Sandra Jorge**, I&D Manager – Can Wastewater Become a Source of Green Hydrogen?
2. **SIMARSUL, Elmer Alves Duarte**, I&D Specialist – From Wastewater to Smart Energy Systems: Can Digital Twins Accelerate the Energy Transition?
3. **WWTP Budva, Montenegro, Duska Cucka**, Chemical Engineer, Wastewater Treatment & Process Optimization – Small Country, Big Season: Designing a Sludge Solution for Montenegro, Starting from Budva
4. **SANEPAR, Wilson Bley Lipski**, CEO – Turbo Innovation at SANEPAR, Brazil: Accelerating Wastewater Resource Recovery into Circular Business Opportunities
5. **Hyderabad Water Supply and Sewerage Board (HWSSB), Mayank Mittal**, Joint Managing Director Hyderabad Water Supply and Sewerage Board(HWSSB) – Resource Recovery at Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB)
6. **AdP VALOR, João Oliveira Miguel,** Executive Board Member – Circular Economy and Organic Resource Valorization in the Águas de Portugal Group
7. **Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) Albert Cox, PhD**, Environmental Monitoring and Research Manager – TBA
8. **Uisce Éireann Irish Water, Aoife Kyne**, Asset Planning Bioresources Manager, Uisce Éireann Irish Water – Beyond sludge: Are We Ready for What Comes Next?
9. **VAKHB, Pavel Policar**, Chairman of the Board – Beyond Traditional Utilities: Partnerships for New Revenue and Growth
10. **City of Cincinnati Metropolitan Sewage District, Jessica Johnson**, Project Manager

An unparalleled opportunity to engage directly with the leaders driving the transition towards a circular bioeconomy.

This fast-moving, interactive session brings together leading utilities, international financial institutions and government agencies from around the world, each hosting a roundtable focused on their strategic challenges, future plans and opportunities for accelerating the transition towards a circular bioeconomy.

Delegates choose which organisations to engage with, joining their tables for intensive, solution-focused discussions exploring real-world challenges, emerging projects, investment priorities and opportunities for innovation and collaboration.

With three table rotations, participants can engage directly with multiple decision-makers, exchange expertise, gain fresh insights into emerging opportunities and forge valuable new connections.

Three rounds. Global decision-makers. New ideas, new partnerships and new business opportunities.

13.45 – 14.25:

Session 16. Energy, Carbon and Climate – Realising the Full Value of the Circular Bioeconomy – Londres


Nuno Brôco


Bill Barber


Tom Lisset


Richard Lancaster


Stacia Eckenwiler


Steve Bungay

MODERATOR: **Nuno Brôco**, Chairman and CEO AdP VALOR, Águas de Portugal
PANEL: **Bill Barber**, Technical Director, CAMBI; **Tom Lisset**, Director of Bioreources, Energy & Carbon Services, United Utilties; **Richard Lancaster**, Global Head of Biosolids, AtkinsRéalis; **Stacia Eckenwiler**, Assistant Administrator, City of Columbus Water & Power, Division of Water Reclamation, USA; **Steve Bungay**, Director Bioresources, UK & Ireland Water Technology Products, Haskoning

As the WEX Global Bioeconomy Summit draws to a close, this final session brings together the key themes of resource recovery, innovation, infrastructure and circular value creation to explore the wider contribution of the bioeconomy to energy security, decarbonisation and climate resilience. From biogas and biomethane to biochar and carbon sequestration, the discussion examines how utilities can transform organic waste streams into renewable energy and new economic value. Looking beyond individual technologies, the panel will consider the partnerships, investment and strategic changes needed to accelerate implementation at scale and realise the full potential of a low-carbon circular bioeconomy.

14.25 – 14.35:



Closing Remarks & Final Address – Nuno Brôco, Chairman and CEO AdP VALOR, Águas de Portugal – Londres

14.35 – 16.30: Farewell Lunch

– Madrid









THE WEXGlobal Bioeconomy SUMMIT

PLATNIUM UTILITY PARTNER

ÁGUAS DE PORTUGAL

TITANIUM SPONSOR

AtkinsRéalis

FOUNDING CIRCLE PARTNER

CAMBI

PLATNIUM UTILITY PARTNERS

AdP VALOR
Grupo Águas de Portugal

ÁGUAS DO NORTE
Grupo Águas de Portugal

ÁGUAS DO CENTRO LITORAL
Grupo Águas de Portugal

ÁGUAS DO TEJO ATLÂNTICO
Grupo Águas de Portugal

EPAL
Grupo Águas de Portugal

SIMARSUL
Grupo Águas de Portugal

DIGITAL INNOVATION PARTNER

CIMICO

SUSTAINABILITY PARTNERS

DRYLET

CETOGENIX

derypol

RAFT ENERGY

TECHNOLOGY ECOSYSTEM PARTNER

wateralliance

KNOWLEDGE PARTNER

F&S FROST & SULLIVAN

EDUCATIONAL IMPACT PARTNER

WORLD WATER FILM FESTIVAL

THINKTANK PARTNER

WATER POSITIVE

INSTITUTIONAL SUPPORT PARTNERS

BIOCHAR EUROPE

European Sustainable Phosphorus Platform

THE Water Research FOUNDATION

Finnova

Portuguese Water Partnership