

# NATIONAL BIOSOLIDS CONFERENCE 2025



## CONFERENCE PROGRAM

### MONDAY 17 MARCH - DAY ONE

8:00am	Registration and Trade Exhibition Open	
<b>PLENARY</b>		
<b>SESSION 1: Opening Day One</b>		
9:00am	<p>Official Conference Open  <i>Honouring Country – Sarah Wilcox</i>  <i>AWA Welcome – Peter Dennis, President, Australian Water Association</i>  <i>ANZBP Welcome - Rob Tinholt, Chair, ANZBP</i>  <i>TasWater Address – TBC</i></p>	
9:35am	<p><b>Keynote Speaker</b>  <i>Sarah Wilcox, Director - Cooee Tunapri</i>  <b>TITLE: TBC</b></p>	
10:00am	<p><b>FEATURE PRESENTATION: BIOSOLIDS MANAGEMENT IN EUROPE – REFLECTIONS FROM A CHURCHILL FELLOW</b>  <i>Hilary Hall, Associate - RMCG</i></p>	
<b>10:30-11:00am Morning Tea</b>		
Mezzanine		
11:00am	<b>SESSION 2: Thermal Hydrolysis Processing (THP)</b> <i>Ballroom 2</i>	<b>SESSION 3: Strategy</b> <i>Ballroom 3</i>
		<p><b>Sponsored by:</b></p>
11:00am	<p><b>LOOKING FOR THE OPTIMUM DIGESTION RETENTION TIME WITH THERMAL HYDROLYSIS PRETREATMENT</b>  <i>Bill Barber, Technical Director - Cambi, Inc</i></p>	<p><b>REGIONAL APPROACHES TO BIOSOLIDS MANAGEMENT</b>  <i>Derek Robertson, Integrated City Planning Lead - Urban Utilities and Kelly Hopewell, - City of Gold Coast</i></p>
11:20am	<p><b>COMBINING THERMAL HYDROLYSIS WITH ADVANCED THERMAL CONVERSION PROCESSES FOR MICRO-CONTAMINANT DESTRUCTION</b>  <i>Bill Barber, Technical Director - Cambi, Inc</i></p>	<p><b>BIOSOLIDS MANAGEMENT IN TASMANIA</b>  <i>Michael Tempest, Senior Consultant – RMCG and Jeremy Verdouw, Senior Environmental Scientist - Biosolids Specialist - TasWater</i></p>
11:40am	<p><b>ACHIEVING NET ZERO - WAS ONLY THP WITH DIGESTERS IN SERIES AT LONG REACH STW, UK</b>  <i>Ester Rus, Business Development Manager UK and Ireland - CAMBI</i></p>	<p><b>WHAT DO WE KNOW ABOUT THE ENVIRONMENT SUSTAINABILITY OF BIOSOLIDS PROCESSING SYSTEMS IN AUSTRALIA?</b>  <i>Jingwen Luo, PhD candidate - UNSW</i></p>
12:00pm	<p><i>To be confirmed</i></p>	<p><b>INVESTIGATING SENSORY IMPACTS AND ODOUR CHALLENGES IN BIOSOLIDS MANAGEMENT FOR SUSTAINABLE BENEFICIAL REUSE</b>  <i>Thais Nunes Guerrero, PhD candidate - UNSW</i></p>
<b>12:20-1:20pm – Lunch</b>		
Mezzanine		

1:20pm	PLENARY SESSION 4: Panel	
1:20pm	<b>PANEL – CONTAMINANTS AND MANAGING CONTAMINANTS</b> <b>Chair:</b> Rob Tinholt, Chair - ANZBP <b>Speakers:</b> Cath Vero, Principal Process Engineer-Water - Ekistic Dr. Louise Reeves, Lead Scientist - Queensland Water Directorate Shaun Thomas, Principal Adviser Compliance – South Australia EPA	
2.20pm-3:00pm - Afternoon Tea		
Mezzanine		
3:00pm	SESSION 5: Digestion Ballroom 2	SESSION 6: Thermal Cases Ballroom 3
		<b>Sponsored by:</b> 
3:00pm	<b>OZOFRACTIONATION OF WASTEWATER- IMPROVING DIGESTABILITY AND CONTAMINANT REMOVAL OF BIOSOLIDS</b> Sean Paul, Process Engineer - TasWater	<b>THERMAL DRYING - EXAMPLES OF BIOSOLIDS CIRCULARITY</b> Daniel Potente, Sales Manager - Municipal Technology - Hydroflux and Harald Plank, Team Leader – Thermal Sludge Program – HUBER
3:20pm	<b>HOW TO HAVE A FUTURE DIGESTION SYSTEM TODAY</b> Dave Parry, Senior Fellow - Jacobs	<b>OPTIMISING OPERATION OF THE LOGANHOLME BIOSOLIDS GASIFICATION FACILITY</b> Jessica O’Hare, Senior Process Engineer and Brendan Patane, Process Engineer - Downer
3:40pm	<b>DIGESTATE DEGASSING – BENEFITS AND FINANCIAL VIABILITY AT BEENYUP WRRF</b> Gokul Bharambe, Technical Director - Resource Recovery - Jacobs	<b>TURNING UP THE HEAT - LESSONS LEARNED FROM EARLY NORTHERN HEMISPHERE PYROLYSIS ADOPTERS, AND THE POSSIBILITIES FOR AUSTRALIA</b> Annika de Hesse, Senior Process Engineer - GHD
4:00pm	<b>WAS ONLY ANAEROBIC DIGESTION – MORE RESILIENT THAN WE THOUGHT!</b> Cameron Staib, Market Leader - Stantec	<b>THE FATE OF PFAS IN PILOT PLANT SCALE PYROLYSIS OF VICTORIAN BIOSOLIDS TO PRODUCE BIOCHAR</b> Aravind Surapaneni, Principal Scientist – Biosolids - South East Water
4:20pm	Close of Day 1	
4:30pm-5:30pm Meet the Trade Drinks – Hosted onsite		
Mezzanine		
5:30pm-8:30pm Dinner & Drinks – Hosted onsite		
Harbour View Room		

TUESDAY 18 MARCH – DAY TWO	
8:00am	Registration and Trade Exhibition Open
PLENARY SESSION 6: Opening Day Two	
9:00am	Welcome to Day Two Welcome & Recap of Day One Rob Tinholt, Chair, ANZBP
9:05am	<b>Keynote Speaker:</b> Per Henrik Nielson, Project Director – VCS Denmark <b>TITLE: BALANCING RISKS AND REWARDS FOR SUCCESSFUL INNOVATION</b>
10:05am	<b>FEATURE PRESENTATION: SUSTAINABLE BIOSOLIDS MANAGEMENT - WEIGHING UP THE OPTIONS</b> Jason Mingo, Manager Strategy and Sustainability - Water Services Association of Australia

	<i>Richard Lancaster, Global Bioresources Director - AtkinsRéalis</i>	
<b>10:35-11:00am Morning Tea</b>		
Mezzanine		
<b>11:00am</b>	<b>SESSION 7: Resource Recover/ Circular Economy</b> <i>Ballroom 2</i>	<b>SESSION 8: Resource Recover/ Circular Economy</b> <i>Ballroom 3</i>
		<b>Sponsored by:</b> 
<b>11:00am</b>	<b>GROWTH AND CHEMISTRY OF NZ NATIVE PLANTS GROWING IN LOW FERTILITY SOIL AMENDED WITH BIOSOLIDS</b> <i>Emelia Livingstone, Student - University of Canterbury</i>	<b>BIOSOLIDS I, R&amp;D REVIEW AND ENHANCEMENT</b> <i>Harrison Sellwood, Urban Intern and Jason Dwyer, Technology Manager - Urban Utilities</i>
<b>11:20am</b>	<b>A RESOURCE RECOVERY PRIORITISATION TOOL FOR THE UK AND IRISH WATER INDUSTRY</b> <i>Matthew Stewart, Associate Director – Bioresources - ATKINSREALIS</i>	<b>THE BIOSOLIDS VALUE CHAIN - CREATING WILLING MARKETS FOR LONG TERM OUTCOMES - THE NEW ZEALAND CONTEXT</b> <i>Chris French, Managing Director - Relier Project &amp; Strategy Ltd</i>
<b>11:40am</b>	<b>MAPPING MICROFIBRES: INVESTIGATING TEXTILE WASHING PROCESSES AND THEIR IMPACT ON BIOSOLID CONTAMINATION</b> <i>Marina Corte Tedesco, PhD Candidate, UNSW</i>	<b>BIOSOLIDS IN THE CIRCULAR PHOSPHORUS ECONOMY: EXPLORING LINKS BETWEEN BIOSOLID PROPERTIES AND PLANT PHOSPHORUS UTILISATION</b> <i>Maja Arsic, Research Scientist - CSIRO</i>
<b>12:00pm</b>	<b>RESPONSIBLE BIOSOLIDS</b> <i>Ulrich Kornmueller, Senior Engineer and Reuben Bouman, Technical Director - Beca</i>	<b>CONTROLLED PHOSPHATE REMOVAL OF DIGESTED SLUDGE</b> <i>John Koumoukelis, CEO – Hydroflux</i>
<b>12:20pm-1:10pm – Lunch</b>		
Mezzanine		
<b>1:10pm</b>	<b>SESSION 9: Contaminants</b> <i>Ballroom 2</i>	<b>SESSION 10: Thermal Processing and Biochar</b> <i>Ballroom 3</i>
		<b>Sponsored by:</b> 
<b>1:10pm</b>	<b>BIOSOLIDS FOR TOMORROW: ACHIEVING CLASS A STANDARDS AND PFAS MITIGATION UNDER EVOLVING REGULATORY FRAMEWORKS</b> <i>Richard Mamone, Business Developer - Municipal Projects, ANZ – Veolia Water Technologies and Louis Ortenzio, Chief Engineer - Lutra</i>	<b>MINERAL MATTER CHARACTERISTICS AND PHOSPHOR AVAILABILITY IN BIOSOLIDS PROCESSED UNDER DIFFERENT THERMOCHEMICAL TREATMENT OPTIONS</b> <i>Alex Ilyushechkin, Senior Research Scientist - CSIRO</i>
<b>1:30pm</b>	<b>MANAGING PRIORITY CONTAMINANTS</b> <i>Sarah Leviston, Principal Risk Assessor - CDM Smith</i>	<b>EVALUATING THE EFFECT OF BIOSOLIDS-DERIVED CHAR ADDITIVE ON MESOPHILIC ANAEROBIC DIGESTION OF SLUDGE</b> <i>Shamima Eaysmine, Research Scholar - The University of Queensland</i>
<b>1:50pm</b>	<b>SOURCE CONTROL IS THE ANSWER TO MANAGING FUTURE RISKS FROM EMERGING CONTAMINANTS</b> <i>Dr. Louise Reeves, Lead Scientist - Queensland Water Directorate</i>	<b>THE EVOLUTION OF BIOSOLIDS CARBONISATION IN AUSTRALIA</b> <i>Cameron McDonald, Engineering Manager - John Holland and Chiew Wong, Design Manager – Stantec Australia</i>
<b>2:10pm</b>	<b>HEAVY METAL DYNAMICS AND EVALUATION OF PHOSPHOROUS FERTILISER VALUES OF BIOSOLIDS BIOCHAR</b> <i>Bernadette McCabe, Director, Centre for Agricultural Engineering - University of Southern Queensland and Durell Hammond, Director - Pyrocal</i>	<b>AQUAGREEN HECLA TECHNOLOGY – REMOVAL OF PFAS AND OTHER ORGANIC MICROPOLLUTANTS BY INTEGRATED BIOSOLIDS DRYING AND PYROLYSIS</b> <i>Christian Wieth, CMO - AquaGreen ApS</i>

2:30pm-2:50pm - Afternoon Tea	
	Mezzanine
2:50pm	<b>PLENARY</b> <b>SESSION 11: Panel</b>
2:50pm	<b>PANEL - THERMAL TECHNOLOGY</b>  <b>Chair:</b> Richard Lancaster, Global Bioresources Director - AtkinsRéalis  <b>Speakers:</b> Chris Conway, Technical Director - Beca Hunter H2O Musaab Al-Saleem, Principal Process Engineer – Stantec Dr. Aravind Surapaneni, Principal Scientist – Biosolids - South East Water Ross Wilson, Principal Bioresources Process Specialist - AtkinsRéalis
4:10pm	<b>Conference Closing Comments</b>
4:20pm	<b>Conference Concludes</b>

Wed 19 MARCH – DAY THREE	
8:00am	<b>Site Tours:</b> Site Tour 1 - Blackmans Bay Wastewater Treatment Plant Site Tour 2 - Bryn Estyn Water Treatment Plant

Updated 26.02.25

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