

INTERNATIONAL CLEANUP CONFERENCE ADELAIDE 2026

INNOVATE. REMEDIATE. REGENERATE. TOGETHER FOR ONE EARTH
13 -17 SEP 2026 ADELAIDE, AUSTRALIA

CLEANUP 2026 PROGRAM

Sunday, 13 September 2026

Sunday, 13 September 2026	8.00 - 17.00	Exhibition and Poster Display Build, Hall L			
	09:00 - 12:30	Workshop 1	Workshop 2	Workshop 3	Workshop 5
		City Room 1	City Room 2	City Room 3	City Room 4
		PFAS in Practice: Industry Response, Remediation, and Risk	Artificial Intelligence for Data Interpretation, Site Assessment and Monitoring of Contaminated Environments	Advanced Geological Methods for Predicting Contamination Flowpaths	Beyond Screening Levels: Ecological Risk Assessment of PFAS in Real-World Ecosystems
	13:30 - 17:00	Workshop 1 continued	Workshop 2 continued	Workshop 4	Workshop 6
		City Room 1	City Room 2	City Room 3	City Room 4
		PFAS in Practice: Industry Response, Remediation, and Risk	Artificial Intelligence for Data Interpretation, Site Assessment and Monitoring of Contaminated Environments	Hands-on PFAS Modelling	Asbestos & Silica: The Next Occupational Contaminant Wave
	15.00 - 18.00	Registration Foyer L			
	15.00 - 18.00	Speaker Support, Foyer L			
	17.30 - 18.30	Welcome drinks Foyer L			

Monday, 14 September 2026

Monday, 14 September 2026

7.30	Exhibition and Poster Displays Open, Hall L					
	Speaker Support, Foyer L					
	Registration Open, Foyer L					
OFFICIAL CONFERENCE OPENING						
Hall N						
8.45 - 9.00	Official conference opening					
9.00 - 9.45	Commemorative Brian Robinson Lecture: People and Planet: Shared Responsibilities and Policy Lessons from Large-Scale Remediation in Ogoniland, Nigeria Honourable Balarabe Abbas Lawal, Minister of Environment, Federal Republic of Nigeria					
9.45 - 10.15	Morning tea and Poster Viewing					
CONCURRENT SESSION 1						
10.15 - 12.00	<table><tr><td>Session 1.1 PFAS - Defining PFAS & the Policy landscape</td><td>Session 1.2 PFAS-Advances in PFAS Detection and Analysis Sponsored by:  When you need to be sure</td><td>Session 1.3 Emerging and Recently Emerged Contaminants - Microplastics Sponsored by:  Environment Testing</td><td>Session 1.4 Legacy Contaminants, risks, and contaminated sites - Human health risks and exposure assessment</td><td>Session 1.5 Case studies-Site investigation, characterisation & CSM</td></tr></table>	Session 1.1 PFAS - Defining PFAS & the Policy landscape	Session 1.2 PFAS-Advances in PFAS Detection and Analysis Sponsored by:  When you need to be sure	Session 1.3 Emerging and Recently Emerged Contaminants - Microplastics Sponsored by:  Environment Testing	Session 1.4 Legacy Contaminants, risks, and contaminated sites - Human health risks and exposure assessment	Session 1.5 Case studies-Site investigation, characterisation & CSM
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10.30 - 10.45	312 PFAS TESTING: THE SUCCESSES, THE CHALLENGES, AND WHAT'S NEXT, Dr Heather Lord, ALS Laboratories					
10.45 - 11.00	97 INTEGRATED LC-MS/MS ANALYSIS OF PFAS ACROSS EPA 1633A, OTM-45 AND ULTRA-SHORT-CHAIN COMPOUNDS USING A HIGH-ROBUSTNESS UHPLC PLATFORM, James Pyke, Agilent Technologies Pty Ltd					
11.00 - 11.15	210 DEVELOPMENT AND VALIDATION OF A ROBUST OFFLINE SPE-ISOTOPE DILUTION METHOD FOR NINE PFAS IN AQUEOUS MATRICES, Maureen Egbuatu, University Of Newcastle					
11.15 - 11.30	276 REFRIGERANT TRANSITIONS AND HIDDEN LEGACIES: ADDRESSING TFA IN ENVIRONMENTAL CLEANUP, Yanju Liu, Uon/carcARE					
11.30 - 11.45	101 SENSITIVE DETECTION OF TRIFLUOROACETIC ACID (TFA): ANALYTICAL METHOD DEVELOPMENT AND APPLICATION TO A SOUTH AUSTRALIAN WATERSHED, Dr. Harry Morris Rodriguez, CSIRO					
11.45 - 12.00	114 THE PFAS BLIND SPOT: UNDERSTANDING THE TRUE SCALE OF POTENTIALLY CONTAMINATED LAND IN AUSTRALIA, Mr Howard Waldron, Lotsearch Pty Ltd					
12.00 - 12.55	Lunch and Poster Viewing					

Monday, 14 September 2026 (cont)

PLENARY SESSION 1

Hall N

12.55 - 13.40 **Plenary Session 1: Groundwater Contamination and Remediation: Approaches, Challenges, and Opportunities**
Professor Craig Simmons, Pro Vice-Chancellor, College of Engineering, Science and Environment

13.40 - 13.45 Move to sessions rooms

CONCURRENT SESSION 2

	Session 2.1 PFAS-Regulatory Framework and Policies	Session 2.2 PFAS-Human Health Risk	Session 2.3 Emerging and Recently Emerged Contaminants - Pharmaceuticals, PPCPs and emerging organic contaminants	Session 2.4 Legacy Contaminants, risks, and contained sites - Groundwater and hydrocarbon contamination	Session 2.5 Case studies-Site investigation, characterisation & CSM
13.45 - 15.30	Sponsored by: 				
	Hall N	City Room 1	City Room 2	City Room 3	City Room 4
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14.00 - 14.15				15 ROLE OF SEQUENCE STRATIGRAPHY IN IN SITU REMEDIATION OF LNAPL CONTAMINATION: A CASE STUDY FROM THE LOS ANGELES BASIN, CALIFORNIA, Dr. Junaïd Sadeque, Aecom	96 DESIGN PHASE CONTAMINATION INVESTIGATIONS: DELIVERING FIT FOR PURPOSE DATA AT 5%, 30% AND 50% DESIGN, Andrew Thomas, Ghd Pty Ltd
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15.00 - 15.15	44 CONTAMINATED LAND MANAGEMENT IN A HOUSING CRISIS: NAVIGATING REGULATORY COMPLEXITY, PFAS UNCERTAINTY AND SITE REDEVELOPMENT IN QUEENSLAND, Ms Anita Webb, Startec Australia	264 A BEAUTIFUL SCIENTIFIC PROBLEM: PFAS IN COSMETICS, Dr Jacob Jaene, Als Global	254 TRACING EMERGING CONTAMINANTS IN WASTEWATER - A PASSIVE SAMPLING APPROACH, Dr Andrew Wright, Sgs Australia	71 LEGACY LNAPL MIGRATION AND RECOVERY CHALLENGES IN COMPLEX SUBSURFACE PATHWAYS, Leo Rothacker, Startec	56 LESSONS LEARNT FROM THE ADOPTION OF COMBINED RISK VALUE TO ASSESS SAMPLING RATES FOR WASTE SOILS, Matthew Barham, CDM Smith
15.15 - 15.30	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	260 EXPOSURE OF FRAGRANCE MIX COMPOUNDS TO AUSTRALIAN ENVIRONMENTS VIA WASTEWATER TREATMENT, Mr Nicholas Hora, Sgs Australia Pty. Ltd.	256 MECHANOCHEMICAL REMEDIATION OF PAHS-CONTAMINATED RAIL TRACK BALLAST SLUDGE USING ACTIVATED CARBON: PROCESS OPTIMIZATION AND PERFORMANCE EVALUATION , Dr. Rahul Singh, Indian Institute of Technology (BHU) Varanasi, India	154 WASTE INNOVATION IN LEATHER INDUSTRY: RESOURCE MOBILIZATION FROM TANNERY SOLID WASTES FOR ZERO WASTE DISCHARGE AND SUSTAINABLE LEATHER PRODUCTION , Dr Arndt Karli Deb, University Of Dhaka, Bangladesh
15.30 - 16.00	Afternoon Tea and Poster Viewing				

CONCURRENT SESSION 3

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16.30 - 16.45	51 ASSESSING PFAS UPTAKE IN TREES: IMPLICATIONS FOR ECOLOGICAL AND HUMAN EXPOSURE PATHWAYS IN AN URBAN REDEVELOPMENT CONTEXT, Leonardo Baeza, Lanterra Consulting	36 PFAS BIOACCUMULATION: LESSONS LEARNED FROM FIELD, LABORATORY, AND MODELING EFFORTS, Dr. Jason Conder, Geosyntec Consultants	183 ECOTOXICOLOGICAL EFFECTS OF MICROPLASTIC-DERIVED PHTHALATES ON CAENORHABDITIS ELEGANS: IMPLICATIONS FOR SOIL HEALTH, Mrs Nadeeka Obadamudalige, University of Newcastle	73 IMPROVING AUDIT SYSTEM PROCESSES TO SUPPORT THE TIMELY ESTABLISHMENT OF GROUNDWATER PROHIBITION AREAS, Dr Madeleine Thomas, South Australian EPA	35 A HOLISTIC PERSPECTIVE ON ENVIRONMENTAL REMEDIATION, Mr Camillo Coladonato, Dow Chemical (Australia) Pty Ltd
16.45 - 17.00	192 COMPARISON OF THE PHYSIOLOGICAL RESPONSES OF FRESHWATER MICROALGA CHLORELLA SP. TO SELECTED SHORT- AND LONG-CHAIN PFAS, Mr. Kasun Aththanasayake, University Of Newcastle	46 THE RELEASE AND LEACHING OF PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS) INTO SOIL FROM CONTAMINATED RYEGRASS DURING DECOMPOSITION, Mr Minshu Liang, Adelaide University	10 FROM INHIBITION TO ENHANCED BIODEGRADATION: ADAPTIVE POTENTIAL OF RHODOCOCCUS OPACUS TCF TOWARDS AZO DYES, M. Sc. Patrick Hanisch, University Of Applied Sciences Munich	43 WASTE DESIGNATION APPLICATIONS FOR NATURALLY OCCURRING CONTAMINANTS: REDUCING THE REGULATORY RED TAPE FROM WITHIN, Mrs Cheryl Swann, Epa Victoria	231 IMPLEMENTATION OF MONITORED NATURAL ATTENUATION FOR LONG-TERM MANAGEMENT OF RESIDUAL PETROLEUM HYDROCARBON IMPACTS AT A FORMER SERVICE STATION, GOSNELLS, WA, Miss Lyvia Sousa, Wsp
17.00 - 17.15	229 CYTO-GENOTOXIC EFFECTS OF SHORT-CHAIN PERFLUOROCARBOXYLIC ACIDS ON ALLIUM CEPA ROOT MERISTEM CELLS, Miss Nidhi Maurya, Global Centre for Environmental Remediation, School of Science, The University of Newcastle	322 OCCURRENCE AND SPECIES-SPECIFIC PATTERNS OF PFAS IN SEAFOOD FROM LAGOON COASTAL WATERS, NIGERIA, Maureen Egbuatu, University of Newcastle	136 ECOTOXICOLOGICAL EFFECTS OF PPCPS AND HAZELNUT SHELLS ON EARTHWORMS AND PLANTS IN BIOFILTRATION, Kennedy Costa, The University Of Newcastle	91 FROM REMEDIATION TO REUSE: INTEGRATED VAPOUR INTRUSION AND GROUND GAS MITIGATION PLANNING FOR REDEVELOPMENT OF A FORMER GASWORKS, Mr Jake Bourke, Ramboll	24 EVALUATION OF WATER TREATMENT RESIDUES AS SORBENTS FOR STORMWATER CONTAMINANT REMOVAL, Ms Rosnah Gato, Adelaide University
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18.30 - 20.00	CSIA Evening Workshop - Compound-specific isotope analysis (CSIA) as a characterisation tool for site impacts from organic contaminants - City Room 1				
18.45 - Late	CleanUp Connect - Meet in Foyer M/Registration Desk at 6:30pm for a 6:45pm Departure.				

Tuesday, 15 September 2026

Exhibition and Poster Displays Open, Hall L	
7.30	Speaker Support, Foyer L Registration, Foyer L
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8.40 - 9.25	Plenary Session 2: The Sting in the Tail: How Nature Reacts to PFASs Dr. Ian Ross, Global PFAS Practice Lead, CDM Smith
9.25 - 10.10	Plenary Session 3: Making Safer Solutions Usable: Bridging Science, Tools, and Industry Decisions Dr. Lauren Heine, Inaugural Senior Fellow at the Green Science Policy Institute USA and Co-founder of ChemFORWARD
10.10 - 10.40	Morning tea and Poster Viewing
CONCURRENT SESSION 4	
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12.25 - 13.25	Lunch and Poster Viewing
CONCURRENT SESSION 5	
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14.10 - 14.25	79 SUPPLEMENTING SOIL VAPOUR EXTRACTION WITH IN-WELL AIR SPARGING TO ACCELERATE RESIDUAL LNAPL REMEDIATION, Ms Emily Hoey, Stantec Australia Pty Ltd 274 AUTOMATING THE MECHANICAL FOR FASTER DATA EVALUATION, Mr Hugo Barry, AECOM 216 CONCRETECARE™ TECHNOLOGY TO IMMOBILISE PFAS IN THE CEMENTITIOUS MATERIALS, Mr Md Rashidul Islam, The University Of Newcastle 80 FROM WASTE STREAM TO RESOURCE: RISK-BASED REUSE OF DEMOLITION CONCRETE AT A LEGACY INDUSTRIAL SITE, Miss Jacqueline Connor, Ramboll
14.25 - 14.40	130 PHYTOREMEDIATION OF ARSENIC IN MINE WASTE CONTAMINATED SOIL USING POA LABILLARDIERI AND SOIL AMENDMENTS: A SHORT-TERM PILOT TRIAL AT THE GREATER BENDIGO REGION OF VICTORIA, Dr Leadin Khudur, Rmsl University 117 UNDERSTANDING PFAS ACCUMULATION IN LIVESTOCK ON BIOSOLID-UTILISING FARMS: A STUDY OF ENVIRONMENTAL AND BLOOD SAMPLES, Dr Sherwin Kabiri, University Of Adelaide 125 USING MULTI AI AGENTS TO IMPROVE TRACEABILITY AND EFFICIENCY OF PRELIMINARY SITE INVESTIGATIONS/PHASE 1 ASSESSMENTS, Mr Max Davies, Datatest 205 MITIGATING THE RISKS OF INCOMPLETE DECONTAMINATION USING A NOVEL SURFACE TESTING METHOD TO COMPREHENSIVELY ASSESS PFAS REMAINING THROUGHOUT FIRE FIGHTING SUPPRESSION SYSTEMS, Dr Ian Ross, CDM Smith 222 IMPLEMENTATION OF MONITORED NATURAL ATTENUATION (MNA) AS A MEANS OF REMEDIATING NITRATES AT A MINE IN WESTERN AUSTRALIA, Mr Eduardo Ruther, WSP Australia
14.40 - 14.55	220 FROM CLEANUP COST TO VALUE CREATION: THE BUSINESS CASE FOR NATURE BASED SOLUTIONS AT REMEDIATION SITES, Mark Chapman , Aecom 70 SUSTAINABLE TREATMENT TECHNIQUES FOR PFAS STABILISATION IN CONTAMINATED BIOSOLIDS, Mrs Maltheh Arab, Adelaide University 106 COMPARATIVE EVALUATION OF AI/ML MODELS FOR OPTIMISATION OF CHROMIUM REMOVAL FROM CONTAMINATED WATER USING REDUCED GRAPHENE OXIDE, Prof Priya Gupta, Jawaharlal Nehru University 22 REACTOR SURFACE IMPACTS ON THE EVOLUTION OF TRANSIENT INTERMEDIATES DURING PFAS INCINERATION, Wenchao Lu, CSIRO Environment 8 THE ROLE OF SOIL WASHING IN SUSTAINABLE REMEDIATION, Marcos McBride, Cde Global
14.55 - 15.10	Q&A and Open Discussion Topic: TBC Facilitated By: TBC 266 PFAS MANAGEMENT IN BIOSOLIDS THROUGH CLOSED COUPLED PYROLYSIS AND GASIFICATION TECHNOLOGY: PILOT PLANT TRIALS, Dr Aravind Surapaneni, South East Water 45 AI-DRIVEN MICROPLASTIC REMEDIATION FOR SUSTAINABLE CIRCULAR ECONOMY SOLUTIONS, Mr Aderemi Adeleye, University Of Newcastle 45 THE LATEST ADVANCES IN TREATMENT OF PFAS IN CONCRETE: CASE STUDIES OF PFAS-IMPACTED CONCRETE TREATMENT FOR AIRSERVICES AUSTRALIA, Mr Andrew Kila, Ambiolack Australia Q&A and Open Discussion Topic: TBC Facilitated By: TBC
15.10 - 15.40	Afternoon Tea and Poster Viewing

Tuesday, 15 September 2026

Tuesday, 15 September 2026 (cont)						
CONCURRENT SESSION 6						
15.40 - 17.25	Session 6.1 Planetary Boundaries and Environmental Exceedances	Session 6.2 PFAS-Remediation field case studies	Session 6.3 PFAS-Remediation Technologies: Integrated Management Strategies	Session 6.4 Legacy Contaminants, risks, and contaminated sites - Environmental monitoring, analytical methods and emerging tools	Session 6.5 Case studies-Professional practices, regulation & community engagement	
	Hall N	City Room 1	City Room 2	City Room 3	City Room 4	
15.40 - 15.55	292	208	294	98	257	
15.55 - 16.10	DEFINING THE SAFE OPERATING SPACE AT NATIONAL LEVEL THROUGH THE ENVIRONMENTAL SUSTAINABILITY GAP (ESGAP) , Paul Ekins, UCL Institute for Sustainable Resources University College London - VIRTUAL	OVERVIEW OF PFAS REMEDIATION FOR SOIL, GROUNDWATER, AND STORMWATER: A CASE STUDY PERSPECTIVE, Dr. Charles Newell, GSI Environmental Inc.	SUSTAINABLE REMOVAL OF PFAS FROM DRINKING WATER USING BIOCHAR THROUGH "CAPTURE-MINERALIZATION-REUSE", Dr Irene Lo, The Hong Kong University of Science and Technology	APPLICATIONS OF THE 1% OF SOLUBILITY DNAFL 'RULE-OF-THUMB' AND BENEFITS OF FURTHER ASSESSMENT – A DATA DRIVEN APPROACH, Mr. Geoff Ellis, Cdm Smith	EFFECTIVE COMMUNICATION OF RISK - TO COMMUNITIES AFFECTED BY SOIL CONTAMINATION: WITH ADDITIONAL GEO-POLITICAL CHALLENGES, Mr Michael Stopford, Ancored	
16.10 - 16.25	324	44	25	111	160	
16.25 - 16.40	DEVELOPMENT OF METHODOLOGIES FOR SETTING PLANETARY BOUNDARIES FOR CHEMICALS, Kristina Flexman,	PROTECTING COMMUNITIES AND THE ENVIRONMENT: THERMAL DESORPTION TREATMENT OF PFAS AND GALAXOLIDE FROM BIOSOLIDS, Qi Bi, Veolia	NEXT-GENERATION SORBENTS FOR PFAS CONTROL: A COMPARATIVE PERFORMANCE STUDY, Nikoo Nabizadeh Moghaddam, Adelaide University/CSIRO	BIOGENIC INTERFERENCE CALCULATION (BIC) PROVIDES A NOVEL SOLUTION FOR ELIMINATING FALSE TRM DETECTIONS IN HIGHLY ORGANIC SEWAGE SLUDGE SAMPLES, Dr. Francine Kelly-Hooper, Ghd Limited and Danny Stee, NMI	IMPACT OF REMOTE WORKING ON ENVIRONMENTAL SUSTAINABILITY AND RESILIENCE: A CASE STUDY OF MEDIATEURE GXP SOLUTIONS PVT LTD, HIMACHAL PRADESH, INDIA., Dr Astha Bajaj, Chilkara Business School, Chilkara University, Rajpura	
16.40 - 16.55	128	77	30	144		
16.55 - 17.10	HONG KONG'S LONGEVITY PARADOX: A REVIEW ON TOBACCO CONTROL, HEALTH CARE, ENVIRONMENTAL GOVERNANCE, AND HEALTH INEQUITIES, Professor Ming Hung Wong, The Education University Of Hong Kong/res Chair Prof.	TREATING THE IMPOSSIBLE: MANAGING A 1.9 ML MIXTURE OF BAKKEN CRUDE, AFF, AND STORMWATER TO STRINGENT LIMITS, Mr David Kempisty, ECT2	ASSESSING THE LONGEVITY OF GRANULAR ACTIVATED CARBON AMENDMENTS FOR PFAS IMMOBILISATION IN SOILS USING ACCELERATED AGING, Mr Shrinath Bhat, Adelaide University	LEACHATE LEAVING A BAD TASTE IN YOUR MOUTH? TRY SWEETENERS: FIRST AUSTRALIAN APPLICATION OF ARTIFICIAL SWEETENERS AS FORENSIC TRACERS TO DIFFERENTIATE LEACHATE FROM SEWAGE SOURCES IN GROUNDWATER, Matt Welsh, GHD		
17.10 - 17.25	172	268	69	166		
17.25 - 17.40	FOLLOWING THE FLOW: IDENTIFICATION OF CONTAMINANT SOURCES AT COMPLEX INDUSTRIAL SITES, Gillian Kapitke, GHD Pty Ltd	STRUCTURED FOAM TRANSITION AND PFAS DECONTAMINATION AT A PORTFOLIO OF INDUSTRIAL SITES, Peter Storch, Arcadis Australia Pacific	INFRARED SPECTROSCOPY FOR RAPID ESTIMATION OF PFAS MOBILITY IN SOIL, George Bayer, University Of Adelaide	PROBABILISTIC COSTING OF SITE REMEDIATION, Mr Warren Pump, Solient Geoenvironmental Consulting Pty Ltd		
17.40 - 17.55	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	204	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	224		
17.55 - 18.10	CONCRETE AND ASPHALT AS PFAS SOURCES - MANAGING PFAS IMPACTED PAVEMENTS, Dr Ian Ross, CDM Smith					
18.10 - 18.30	Unsession session (City Room 1) Chair: Paul Nathanael					
18.30 - 19.00	Pre-dinner drinks					
19.00 - 23.00	Gala dinner - Panorama Ballroom					

Wednesday, 16 September 2026						
7.30	Speaker Support, Foyer L					
	Exhibition and Poster Displays Open, Hall L					
	Registration, Foyer L					
CONCURRENT SESSION 7						
8.30 - 10.15	Session 7.1 Military Impacted Land - Remediation and assessment	Session 7.2 POPs and modern challenges	Session 7.3 ACICA Session for Early Career Professional Session Chair - Adam Anderson, National Chair, ACICA	Session 7.4 Legacy Contaminants, risks, and contaminated sites - Advanced characterisation, detection and decision support	Session 7.5 Agrichemicals and chemical legacies	
	Hall N	City Room 1	City Room 2	City Room 3	City Room 4	
8.30 - 8.45		38		11	310	
8.45 - 9.00	Challenges in Assessment of military impacted sites, Ramona Iery - VIRTUAL	OCEAN DUMPING OF WASTE: FROM HISTORICAL SINK TO FUTURE FRONTIER IN ENVIRONMENTAL MANAGEMENT, Professor Ming Hung Wong, The Education University Of Hong Kong/res Chair Prof	Introduction and brief about the session - Adam Anderson	DESIGN AND VALIDATION OF A 3D-PRINTED LYSIMETER WITH EMBEDDED SENSORS FOR SOIL RESEARCH, M. Sc. Patrick Hanisch, University Of Applied Sciences Munich	PESTICIDES AND PRODUCTIVITY: BALANCING AGRICULTURAL GAINS WITH ENVIRONMENTAL FATE, EXPOSURE PATHWAYS, AND RISK, Dr Md Nuruzzaman, crcCARE	
9.00 - 9.15	299	248	326	251	270	
9.15 - 9.30	UKRAINE WAR-POLLUTED SOIL: RECOVERY AND REMEDIATION, Olena Melnyk, Bern University of Applied Sciences (BFH), Institute of Agricultural, Forest and Food Sciences - VIRTUAL	METABOLOMIC RESPONSES OF VICIA FABA TO SHORT-CHAIN PFAS, Dr Anilhadevi Kenday Sivaram, Gcer, University Of Newcastle	THE PFAS SOUP – UNDERSTANDING THE TRUE COMPLEXITY OF PFAS IN THE ENVIRONMENT, Maddison McLeod, JBS&G	CONSIDERATIONS FOR VAPOUR MITIGATION SYSTEM DESIGN: AN ENVIRONMENTAL AUDIT-INFORMED PERSPECTIVE, Mr. Daniel Hirth, Bluesphere Environmental Pty Ltd	B/CRATIONAL PEST MANAGEMENT STRATEGY: A PREVENTIVE TOOL FOR REDUCING PESTICIDE POLLUTION IN FLOATING AGRICULTURE, Dr. Rahman M. Mahbubur, Gazipur Agricultural University	
9.30 - 9.45	144	53	329		121	
9.45 - 10.00	WAR-DRIVEN TRANSFORMATION OF FOREST ECOSYSTEMS IN UKRAINE, Prof Andrii Bilous, VIRTUAL	IMPROVED DETECTION AND QUANTIFICATION OF CHLOROFORM RESPIRING BACTERIA BY COMBINING qPCR AND NEXT GENERATION SEQUENCING, Dr Matthew Lee, Geosyntec Pty Ltd	FROM FIELD OBSERVATION TO AWARENESS: ASSESSMENT OF SOURCE PATHWAY RECEPTOR LINKAGES AT LOWLYING LANDFILLS AND CONTAMINATED SITES IN QUEENSLAND UNDER PROJECTED CLIMATE CHANGE CONDITIONS, Rebecca Lauterbach, JBS&G A GEOSYNTec COMPANY	USE OF CENTRIDO BASED CLUSTER DENSITY ANALYSIS AND SPATIAL GEOSTATISTICS TO CHARACTERISE ASBESTOS IN SOILS, Lynton Bourne, Ghd Pty. Ltd.	SUSTAINABLE STRATEGIES TO MITIGATE ARSENIC AND CADMIUM ACCUMULATION IN RICE FOR SAFE FOOD PRODUCTION, A/Prof Mohammad Mahmudur Rahman, University of Newcastle/ crcCARE	
10.00 - 10.15	279	75	327		240	
10.15 - 10.45	VETIVER GRASS PHYTOREMEDIATION OF DIOXIN-CONTAMINATED SOILS AT PAST MILITARY-IMPACTED SITES IN VIETNAM: EVIDENCE FROM BIEN HOA AIRBASE, Prof. Dr. Huong Ngo, Phenikaa University	SAME SAMPLE, DIFFERENT ANSWER: THE PFAS TOP ASSAY STANDARDISATION GAP, Dr Nathan Camilleri, SGS	FINDING THE BALANCE: BENZO(A)PYRENE IN ADELAIDE SOILS, A BIO ACCESSIBILITY AND RISK-BASED CASE STUDY, Samantha Donnell, TMK Consulting Engineers	SNIFER RATS FOR RAPID SCREENING OF CONTAMINATED SOIL, Prof Paul Nathanael, LGM	NOISE LEVEL ASSESSMENT OF TRACTORS IN OPERATION: A SMART APPROACH TO TILLAGE ACTIVITIES, Engr. PENE Barikuma, Hydrocarbon Pollution Remediation Project (HYPREP)	
	ASSESSING MUNITIONS-RELATED CHEMICAL CONTAMINATION IN UKRAINIAN AGRICULTURAL SOILS, Nathan Park, Food and Agriculture Organization of the United Nations - VIRTUAL	NONTARGET SCREENING WORKFLOW FOR THE ANALYSIS OF PER- AND POLYFLUOROALKYL SUBSTANCES IN ENVIRONMENTAL SAMPLES USING A BENCHTOP MULTI-REFLECTING TIME-OF-FLIGHT MASS SPECTROMETER, Dr Marten Snel, Waters Australia	INFLUENCE OF CLIMATE CHANGE ON TOTAL TRIHALOMETHANE (THM) CONCENTRATIONS IN SWIMMING POOLS, Dylan Steele, Aurora Environmental	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	VALORISING BIOSOLIDS: AGRONOMIC IMPACTS OF BIOCHAR DERIVED FROM WASTEWATER RESIDUALS, Dr Santosh Kumar Paul, University Of Newcastle	
	Q&A and Open Discussion Topic: TBC Facilitated By: TBC	94	Q&A and Open Discussion Topic: TBC Facilitated By: TBC		Q&A and Open Discussion Topic: TBC Facilitated By: TBC	
	EVOLVING SUSTAINABILITY IN ANALYTICAL TESTING METHODS, Dr Courtney Milner, Agilent Technologies					
	Morning tea and Poster Viewing					

Wednesday, 16 September 2026

Wednesday, 16 September 2026 (cont)								
CONCURRENT SESSION 8								
10.45 - 12.30	Session 8.1 Military Impacted Land - contaminants, impact, and site characterisation	Session 8.2 POPs and modern challenges	Session 8.3 Climate Change and Contaminant behaviour	Session 8.4 Legacy Contaminants, risks, and contaminated sites - Site characterisation and risk assessment	Session 8.5 Agrichemicals and chemical legacies			
Hall N		City Room 1	City Room 2	City Room 3	City Room 4			
10.45 - 11:00	283 CRUDE OIL CONTAMINATION OF A SEASONAL RIVERBED IN THE SOUTHWEST OF IRAN, ONE OF THE MANY WAR-RELATED ENVIRONMENTAL DISRUPTIONS, Amir Parnian, National Salinity Research Center - VIRTUAL	304 TRENDS OF ORGANIC CONTAMINANTS IN GLOBAL WATERS FROM THE AQUA-GAP/AMONET NETWORK, Dr Rainer Lohman, University of Rhode Island's Graduate School of Oceanography	27 AQUEOUS REDOX VARIABILITY: THE "CANARY IN THE COAL MINE" FOR MONITORING HYDROLOGIC CHANGE UNDER CLIMATE FORCING, Scott Warner, BBJ Group / University of Newcastle	40 REPURPOSING ORAPA MINE TAILINGS FOR SOIL IMPROVEMENT OF ARENOSOLS IN CENTRAL BOTSWANA, Dr. Venecio Jr Ultra, Botswana International University Of Science And Technology	287 GLOBAL SOIL POLLUTION BY TOXIC METALS: IMPACT TO AGRICULTURE AND SUSTAINABLE REMEDIATIONS, Dr Deyi Hou, Tsinghua University - VIRTUAL			
11:00 - 11.15	284 HEAVY METALS IN WAR-AFFECTED BLACK SOILS OF EASTERN UKRAINE: GEOCHEMICAL SIGNATURES OF WARFARE DISTURBANCE, Oleksandr Bonchikovskiy, Ukrainian Researchers Society - VIRTUAL			32 ENHANCING REMEDIAL PERFORMANCE ASSESSMENTS AT COMPLEX SITES USING COMPOUND SPECIFIC ISOTOPE ANALYSIS AND MOLECULAR BIOLOGICAL TOOLS, Dr. Julie Konzuk, Geosyntec Consultants International, Inc.				
11.15 - 11.30	285 IMPACT OF ENVIRONMENTAL DISRUPTION ON MICROBIAL AND ENZYMATIC DYNAMICS OF CHORNOZEM SOILS, Iryna Gumeniuk, Institute of Agroecology and Environmental Management of NAAS of Ukraine - VIRTUAL	41 ANBO3 (A = NA, K, AG, U) PHOTOCATALYSTS FOR ORGANIC POLLUTANT DEGRADATION, Ms Chantelle Falanga, Adelaide University	53 CLIMATE-DRIVEN CHANGES IN CONTAMINANT BEHAVIOUR IMPACT VAPOUR INTRUSION MITIGATION SYSTEM DESIGNS, Paul Nicholson, Geosyntec Consultants	47 BEYOND THE MATRIX- RE-THINKING SURFACE SCREENING FOR RESIDUAL CONTAMINANTS, Mrs Sarah Jane Leviston, CDM Smith	203 BENTONITE AS A CARRIER ENHANCES THE GROWTH OF PHOSPHATE SOLUBILIZING BACTERIA (PSB) AND SUSTAINABLE RELEASE OF PHOSPHORUS , Mr Md Rafique Uddin, University Of Newcastle			
11.30 - 11.45	286 SAMPLING STRATEGIES FOR REPRESENTATIVE ASSESSMENT OF WAR-INDUCED SOIL CONTAMINATION IN UKRAINE, Pavlo Ostapenko, Ukrainian Researchers Society - VIRTUAL	16 CARBON TETRACHLORIDE - THE PERSISTENT CARCINOGEN - WHATS OUR RISK FROM THE GLOBAL ATMOSPHERIC BACKGROUND? Mr Adrian Heggie, Environmental Group Australia	21 SEA WATER INTRUSION AND SALINIZATION IMPACTS AND REMEDIATION STRATEGIES IN SOUTH ASIA, Dr. Mohammad Jahruddin, Bangladesh Agricultural University	57 DEVELOPMENT AND APPLICATION OF AN AI ENABLED PROPERTY SEARCH TOOL TO SUPPORT OFF SITE VAPOUR INTRUSION RISK MANAGEMENT, Cathal Faherty, Geosyntec Consultants	54 REVEALING THE HIDDEN PATHWAYS: SIMULTANEOUS DETECTION OF GLYPHOSATE, AMPA AND SARCOSINE IN SOIL, Ms Nipuni Welivitiya, University of Newcastle			
11.45 - 12:00	300 EARTH OBSERVATION AND GIS-BASED MODELLING FOR IDENTIFYING CONFLICT-RELATED POLLUTION RISK AREAS IN SOUTH LEBANON, Ghadeb Fouad, National Council for Scientific Research - VIRTUAL	103 ELIMINATION OF SELECTED PERSISTENT ORGANIC MICROPOLLUTANTS (POPS) IN AQUEOUS SOLUTION BY CATALYTIC HYDROGENATION AND HYDRODEHALOGENATION, Dennis Ehrlert, Hochschule Wismar	39 IMPACT OF CLIMATE CHANGE ON LEACHING SOIL CONTAMINATION, Robert Schneider, ESCI, LLC	63 FIELD APPLICATION OF THE SOLVENT-BASED SAMPLING METHOD FOR COLLECTING GAS-PHASE VOC AND CONDUCTING COMPOUND-SPECIFIC ISOTOPE ANALYSIS, Dr. Daniel Bouchard, GHD	151 SILICON NANOPARTICLES ENHANCE RICE CADMIUM TOLERANCE THROUGH ROOT ARCHITECTURE AND EXUDATE PROFILES, Md Tofail Hasain, University Of Newcastle			
12:00 - 12.15	281 SATELLITE MAPPING AND FARM DATA FOR RISK-ORIENTED LAND SURVEY AND REHABILITATION IN CONFLICT-AFFECTED UKRAINE, Stanislav Ostapenko, Food and Agriculture Organization - VIRTUAL	126 VISIBLE-LIGHT REDUCTIVE DEGRADATION OF PFAS IN LAB-PREPARED SOLUTIONS AND FIELD-DERIVED SAMPLES, Dr. Mahmoud Adel Hamza, Adelaide University	Q&A and Open Discussion		170 CUTTING COMPLEXITY DOWN TO SIZE: A SPATIALLY DEFINED INVESTIGATION FRAMEWORK FOR A LARGE INDUSTRIAL SITE, Hannah Bennett, GHD Pty Ltd			
12.15 - 12.30	301 ENVIRONMENTAL DEGRADATION AND FARMER DECISION-MAKING UNDER PROTRACTED CONFLICT: INTEGRATING SOIL CONTAMINATION AND PERCEPTION IN NORTHWESTERN SYRIA, Prof Miasar Alhasan, University of Leeds - VIRTUAL	247 BEYOND SINGLE ENZYMES: A SYSTEMS APPROACH TO FUNGAL TRANSFORMATION OF ORGANOCHLOROGENS, Mr Gerardo Aguilar Jr, RMIT University	Topic: TBC Facilitated By: TBC		244 RAPID DETERMINATION OF POLONIUM-210 IN ENVIRONMENTAL AQUEOUS AND SOLID MATRICES USING ALPHA SPECTROMETRY, Dr. Xuan Bach Nguyen, Sgs Nottling Hill			
12.30 - 13.30	Lunch and Poster Viewing							
CONCURRENT SESSION 9								
13.30 - 15.15	Session 9.1 Mixtures and Complexity in Env systems	Session 9.2 Chemical Bioavailability	Session 9.3 Climate Change and Contaminant behaviour	Session 9.4 - Focus on Africa	Session 9.5 Regulatory Jurisdiction			
Hall N		City Room 1	City Room 2	City Room 3	City Room 4			
13.30 - 14.00	313 PRIORITIZATION AND MANAGEMENT OF COMPLEX CHEMICAL MIXTURES IN ENVIRONMENTAL MATRICES, Summer Streets, Minnesota Pollution Control Agency - VIRTUAL	295 BEYOND TOTAL CONCENTRATIONS: SOIL REACTIVITY, BIOAVAILABILITY AND THE FUTURE OF PFAS RISK ASSESSMENT AND REMEDIATION, Distinguished Laureate Professor Ravi Naidu,	152 TURNING NATURALLY OCCURRING MINERALS INTO ECO-REMEDICATION SOLUTIONS: ADDRESSING GASEOUS EMISSIONS, CLIMATE CHANGE, AND FOOD CHAIN IMPLICATIONS, Dr Bhabananda Biswas, crcCARE	112 SHORELINE CLEAN-UP OF OIL-IMPACTED MANGROVE AND WASTE MANAGEMENT IN THE NIGER DELTA, Prof Nenibarini Zabbey, Hydrocarbon Pollution Remediation Project (Hyprep)	319 REGULATING AT THE SOURCE: PROACTIVE APPROACHES TO UNDERSTANDING THE RISKS AND STRENGTHENING CONTROLS FOR PFAS AND CHEMICALS OF EMERGING INTEREST, Stehen Beaman, NSW Environment Protection Authority			
14.00 - 14.15	221 MANAGING PFAS AT NAP-IMPACTED SITES: CHALLENGES AND UNCERTAINTIES, Dr. Matthew Lee, Geosyntec Consultants	118 ARSENIC SPECIATION IN ENVIRONMENTAL SYSTEMS USING AMMONIUM ELUENTS: ADVANCING IC-ICP-MS FOR ACCURATE RISK ASSESSMENT, A/Prof Mohammad Mahmudur Rahman, University of Newcastle/ crcCARE	7 THERMAL POWER PLANT FLY ASH IN BRICK PRODUCTION: WASTE-TO-WEALTH APPROACH, Professor Dr. Md. Abul Hashem, Khulna University of Engineering & Technology (KUET)	157 BIOCELL-ENHANCED BIOREMEDIATION OF PETROLEUM HYDROCARBON-IMPACTED SOILS IN OGONILAND, NIGER DELTA, NIGERIA, Professor Lucian Chukwu, University Of Lagos	315 FROM CONTAMINATION TO DECISION-MAKING: HOW REGULATORY SCIENCE IS TACKLING PFAS IN AGRICULTURAL SYSTEMS, Dr Jen Martin, Environment Protection Authority Victoria			
14.15 - 14.30	99 ULTRAHIGH RESOLUTION FT-ICR MASS SPECTROMETRY ANALYSIS OF AUSTRALIAN AQUEOUS FILM FORMING FOAMS FOR FORENSIC PURPOSES, Robert Young, Commonwealth Scientific and Industrial Research Organisation	14 DO TOTAL METAL CONCENTRATIONS OVERESTIMATE RISK? INSIGHTS FROM LEACHING AND SPECIATION TESTS IN COMPOST-AMENDED SOILS, Dr Sara Bayat, University of New England	138 A CIRCULAR PATHWAY FOR CO2 CAPTURE AND CEMENT DECARBONISATION USING HALLOYSITE-BASED ADSORBENTS, Siavash Davoodi, GCER, University Of Newcastle	196 SMEAR-ZONE EFFECT ON GROUNDWATER REMEDIATION PERFORMANCE IN HYDROCARBON-IMPACTED AQUIFERS IN OGONILAND, NIGERIA., Israel Sigalo, Hydrocarbon Pollution Remediation Project (HYPREP)				
14.30 - 14.45	154 BEYOND THE CHROMATOGRAM: HOW METHODOLOGY SHAPES HYDROCARBON AGE-DATING OUTCOMES, Daniela Guerra Jara, Wip	184 FROM INFLUENT TO EFFLUENT: EVALUATING THE FATE OF EMERGING CONTAMINANTS IN HUNTER REGION WASTEWATER TREATMENT PLANTS, Mrs P.W.Yoshida Lakshani, University of Newcastle	Q&A and Open Discussion		122 ENVIRONMENTAL ASSESSMENT OF HYDROCARBON IMPACTED SITE AT AJEOKPORI OIL SPILL SITE USING ELECTRICAL RESISTIVITY TOMOGRAPHY TECHNIQUE, Engr. PENE Barikuma, Hydrocarbon Pollution Remediation Project (HYPREP)			
14.45 - 15.00	288 INTEGRATED LANDFILL LEACHATE TREATMENT TECHNOLOGY TO REMEDIATE MIXED POLLUTENT, Mr Md Rashidul Islam, The University Of Newcastle	Q&A and Open Discussion		20 DYNAMICS OF PETROLEUM HYDROCARBON CONTAMINATION AND ENVIRONMENTAL RISKS OF SOIL AT ARTISANAL CRUDE OIL REFINING SITES IN OGONI, NIGERIA, Ms Somaotah Nke-ee, Hydrocarbon Pollution Remediation Project (HYPREP)	158 TRANSITION TO FLUORINE-FREE FIREFIGHTING FOAMS IN SOUTH AUSTRALIA, Aiden Riley, SA Epa			
15.00 - 15.15	133 INVESTIGATION OF CO-COMPOSTING IN COMBINATION OF TOXIC FECAL SLUDGE AND TANNERY LIMED FLESHING, Prof Abul Hashem, Khulna University of Engineering & Technology (KUET)	Topic: TBC Facilitated By: TBC		298 DEVELOPING A RESTORATION MODEL FOR LEAD MINING CONTAMINATED SOILS IN ZAMBIA: WOULD ZAMBIAN CONTAMINATED SITES PROVIDE A FRAMEWORK FOR RESTORATION OF LEAD CONTAMINATED SITES IN SUB SAHARAN AFRICA, Stephen Syampungani, Copperbelt University	48 FIND, ACT, INFORM – BEHIND THE EPA'S PRECAUTIONARY ADVICE ON RISKS OF USING GROUNDWATER IN URBAN AREAS, Ms Melinda Morris, South Australian EPA			
15.15 - 15.20	Move to Plenary (Hall N)							
PLENARY SESSION 3								
Hall N								
15.20 - 16.05	Plenary Session 4: EU Soil Monitoring Law - Implementing it and moving faster towards healthy soils - VIRTUAL Mirco Barbero, Policy officer, Soil Protection and Sustainable Land Use Land Use and Management Unit, Directorate-General Environment, European Commission							
16.05 - 16.20	Conference Closing - Award Presentations, Delegate Prize Announcements							

Thursday, 17 September 2026		
City Room 1		
9.00 – 10.30	Technical Tour departing from West entrance of Adelaide Convention Centre (Meet at 8:30am for a 9:00AM departure)	WORKSHOP 7: Faster, Better, Cheaper: Introduction to Risk-Based Investigation Methods
11.00 – 12.30		
13.30 – 15.00		
15.30 – 17.00		

POSTER PRESENTATIONS

PFAS Management in a Changing Regulatory Landscape: Innovations, Policies, and Global Perspectives symposium

143	P1	PFAS-FREE ALTERNATIVES ACROSS SECTORS: PERFORMANCE, TRADE-OFFS, AND DPSIR-BASED PRIORITISATION FRAMEWORK, Dr. Olalekan Simon Awoyemi, crcCARE
165	P2	REMBIND AMENDMENTS REDUCES PFAS LEACHABILITY FROM MUNICIPAL SLUDGE BYPRODUCTS, Will Caldicott, RemBind
320	P3	PFAS IN BARRAMUNDI: BRIDGING BIOACCUMULATION AND TOXICITY TO STRENGTHEN REGULATORY DECISION-MAKING , Dr Anu Kumar, CSIRO

Emerging and recently emerged Contaminants

217	P4	CYTO-GENOTOXICITY OF TRICLOSAN TO ALLIUM CEPA, Dr Anithadevi Kenday Sivaram, University of Newcastle
137	P5	BIBLIOMETRIC ANALYSIS OF ECOTOXICOLOGICAL EFFECTS OF ORGANIC SUPPORT MATERIALS ON PLANTS AND EARTHWORMS EXPOSED TO PPCPS, Kennedy Costa, The University Of Newcastle
230	P6	COMBINED SUSPECT SCREENING AND QUANTITATIVE ANALYSIS OF PPCPS USING HRMS AND LC-MS/MS: A MODIFIED ANALYTICAL APPROACH, Mrs Yoshida Lakshani, University of Newcastle

Legacy contaminants, risks and contaminated sites

124	P7	SOIL HEAVY METAL POLLUTION UNDER DIFFERENT LAND USES NEAR A POWER PLANT, Akram Haghighat Doust, University Of Newcastle
323	P8	ENHANCED REMOVAL OF CD(II) FROM AS(III)-CONTAINING MEDIA BY ABH ₄ -REDUCED ZRMN OXIDES: PERFORMANCE AND MECHANISM, Prof Yurong Wang, Institute Of Soil Science, Chinese Academy Of Sciences
331	P9	ROLE OF SOIL PROPERTIES AND PHOSPHORUS IN REGULATING LEGACY CADMIUM BIOAVAILABILITY AND ACCUMULATION IN FARM SOILS, Ms Karun Nahar Mousomi, University of Newcastle

Climate Change and Contaminant Behaviour

115	P10	ADAPTATION POTENTIALS OF CLIMATE-SMART AGRICULTURE TOWARDS THE AVENUES OF FARM SUSTAINABILITY, Mr Md Maruf Billah, The University Of Newcastle
173	P11	FEEDING CATTLE A PINCH OF CLAY: HOW DOES IT PLAY A MOLECULAR ROLE IN CURBING METHANE BURPS? Zubaer Hosen, University of Newcastle, NSW. Australia
193	P12	EFFECT OF PARTICLE SIZE ON CH ₄ SORPTION IN AUSTRALIAN ZEOLITE, Mr Md Rashidul Islam, The University Of Newcastle
215	P13	CONTAMINATED SITE MANAGEMENT UNDER NATURAL HAZARDS: EVOLUTION AND CASE STUDIES IN TAIWAN, Dr. Hao-Chung Hung, Soil and Groundwater Remediation Fund Management Board, Environmental Management Administration, Ministry of Environment, Taiwan
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