

REMTECH Europe





















GENERAL PROGRAM
21-25 September 2020



<http://remtechexpo.com/index.php/en/>



REMTECH EXPO

TIME ZONES	Mon 21 Sept	Tue 22 Sept	Wed 23 Sept	Thu 24 Sept	Fri 25 Sept
 CEST 09:00-11:00  CST 15:00-17:00  IST 12:30-14:30  EDT 03:00-05:00  BRT 04:00-06:00				Bioremediation techniques: a challenge for slightly cont'd soil and mine tailings 10	Effluents and wastewaters: challenges in managing odors and micropollutants 14
 CEST 11:30-13:30  CST 17:30-19:30  IST 15:00-17:00  EDT 05:30-07:30  BRT 06:30-08:30	Policies and frameworks to address sustainable cont'sites remediation 1	Brownfield decommissioning and Landfill: soil remediation case studies 4	Tackling emerging pollutants and diffuse pollution 7	Innovative characterization technologies and Digital Innovation 11	
 CEST 14:30-16:30  CST 20:30-22:30  IST 18:00-20:00  EDT 08:30-10:30  BRT 09:30-11:30	Sustainable remediation and risk management 2	Groundwater remediation 5	Circular Economy: how to apply it in the context of EU Green Deal 8	HRSC in the definition of the Conceptual Site Model 12	Managing the risks from PFAS in shallow groundwater: lessons for brownfield reuse 15
 CEST 17:00-19:00  CST 23:00-01:00  IST 20:30-22:30  EDT 11:00-13:00  BRT 12:00-14:00	Contaminated sites sustainable management strategies 3	LNAPL and Chlorinated compounds remediation 6	PFAS: Guidance, pilot test and remediation 9	Vapor intrusion: screening, continuous monitoring, mitigation measures 13	Improving In Situ Anaerobic Bioremediation Performance 16

MONDAY 21 September

SESSION 1

Policies and frameworks to address sustainable contaminated sites remediation

Mon 21 SEPTEMBER 11.30 – 13.30 CEST

SESSION 2

Sustainable remediation and risk management

Mon 21 SEPTEMBER 14.30 – 16.30 CEST

SESSION 3

Contaminated sites sustainable management strategies

Mon 21 SEPTEMBER 17.00 – 19.00 CEST

TUESDAY 22 September

SESSION 4

Brownfield decommissioning and Landfill: soil remediation case studies

Tue 22 SEPTEMBER 11.30 – 13.30 CEST

SESSION 5

Groundwater remediation

Tue 22 SEPTEMBER 14.30 – 16.30 CEST

SESSION 6

LNAPL and Chlorinated compounds remediation

Tue 22 SEPTEMBER 17.00 – 19.00 CEST

WEDNESDAY 23 September

SESSION 7

Tackling emerging pollutants and diffuse pollution

Wed 23 SEPTEMBER 11.30 – 13.30 CEST

SESSION 8

Circular Economy: how to apply it in the context of EU Green Deal

Wed 23 SEPTEMBER 14.30 – 16.30 CEST

SESSION 9

PFAS: Guidance, pilot test and remediation

Wed 23 SEPTEMBER 17.00 – 19.00 CEST

THURSDAY 24 September

SESSION 10

Bioremediation techniques: a challenge for slightly contaminated soil and mine tailings

Thu 24 SEPTEMBER 09.00 – 11.00 CEST

SESSION 11

Innovative characterization technologies and Digital Innovation

Thu 24 SEPTEMBER 11.30 – 13.30 CEST

SESSION 12

HRSC in the definition of the Conceptual Site Model

Thu 24 SEPTEMBER 14.30 – 16.30 CEST

SESSION 13

Vapor intrusion: screening, continuous monitoring, mitigation measures

Thu 24 SEPTEMBER 17.00 – 19.00 CEST

FRIDAY 25 September

SESSION 14

Effluents and wastewaters: challenges in managing odors and micropollutants

Fri 25 SEPTEMBER 09.00 – 11.00 CEST

SESSION 15

TRAINING COURSE: Managing the risks from PFAS in shallow groundwater: lessons for brownfield reuse

Fri 25 SEPTEMBER 14:30 – 16.30 CEST

SESSION 16

TRAINING COURSE: Improving In Situ Anaerobic Bioremediation Performance

Fri 25 SEPTEMBER 17.00 – 19.00 CEST

REMTECH Europe

HOW TO PARTICIPATE?

Participation as attendant is free upon registration for everybody. You may register yourself the following link <http://remtechexpo.com/index.php/en/visitors/visitors-subscription> before 16th of September and then you will receive a password to join in your favorite sessions. You may ask questions that will be managed by chairs during the panel discussion.



ATTENTION!

Online preregistrations will close on **Wednesday 16 September 2020**, at 12.00 p.m..

To access the platform, from 21 September, those who have not preregistered will have the opportunity to register directly on the Home page of the platform.

Opening hours: 09.00 a.m. - 07.00 p.m.

Name *	<input type="text"/>
Last Name *	<input type="text"/>
Phone *	<input type="text"/>
E-mail *	<input type="text"/>
Company *	<input type="text"/>
Type *	<input type="text" value="Company"/>
Assets/Core Business *	<input type="text"/>
Role in the Company *	<input type="text"/>
Address *	<input type="text"/>
Postal Code *	<input type="text"/>
City *	<input type="text"/>
Country *	<input type="text"/>
Segment *	<input type="text" value="RemTech Europe"/>
Previous Edition *	<input type="text" value="yes"/>

REMTECH Europe

SESSION 1

Policies and frameworks to address sustainable contaminated sites remediation

21 SEPTEMBER MONDAY

11.30 – 13.30 CEST (Central European Summer Time)

Opening

11:30 Welcome from the Remtech Europe Scientific Committee

Marco Falconi (ISPRA), Piotr Wojda (JRC-European Commission), Natalia Rodriguez Eugenio (FAO), Nino Tarantino (Illegal Landfills Extraordinary Commissioner Office), Luciana Di Staso (Italian Ministry of Environment)

11:45 Introduction from the Chairs

Dietmar Muller (Common Forum), Pavlos Tyrologou (EFG European Federation of Geologists), Natalia Rodriguez Eugenio (FAO)*

Presentations

11:55 The National Remediation Framework for the remediation and management of contaminated sites in Australia (NRF)

Joytishna Jit (UniSA/CRC CARE Adelaide, Australia), Bruce Kennedy (CRC CARE, Adelaide, Australia), Ravi Naidu (CRC CARE/GCER-UON, Newcastle, Australia)

12:10 Sustainable soil use and management: a systematic approach

Deyi Hou (Tsinghua University China)

12:25 The NICOLE guide on LAND STEWARDSHIP at industrial land, The next step in sustainable Land and Brownfield management

Hans Slenders, Claudio Albano, Johan de Fraye, Lida Schelwald, Phil Crowcroft, Paul Sheehan, Euan Hall, Nicholas Tymko, Laurent Bakker, Olivier Maurer (NICOLE Europe)

12:40 SURF UK Sustainability Process and Indicator Guidance

R. Paul Bardos, Hayley F. Thomas, Jonathan W. N. Smith, Nicola D. Harries, Frank Evans, Richard Boyle, Trevor Howard, Richard Lewis, Alan O. Thomas, V. Dent and Angela Haslam (SURF UK)

12:55 Panel discussion moderated by chairs

13:30 End of the session



REMTECH Europe

SESSION 2

Sustainable remediation and risk management

21 SEPTEMBER MONDAY

14.30 – 16.30 CEST (Central European Summer Time)

Opening

14:30 Welcome and introduction from the Chairs

Nicola Harries (CL:AIRE), Deyi Hou (Tsinghua University China), Christiane Wermeille (FOEN)

Presentations

14:40 Sustainable remediation – beyond ISO18504:2017

Paul Nathanail (CABERNET)

14:55 Application of a Remedial Options Sustainability Evaluation Tool (ROSET) to case studies in Europe

Richard J F Bewley, Åsa Fritioff (Ramboll UK)

15:10 A new approach on Sustainable Remediation for land management in a circular economy

Silvia Anna Frisario (Eni Rewind), Luciano Zaninetta (Eni Rewind), Guido Bonfedi (Eni Rewind), Lisa Pizzol (Fondazione Università Ca'Foscari), Antonio Marcomini (Fondazione Università Ca'Foscari), Silvia Breda (Fondazione Università Ca'Foscari), A. Zabeo (Green Decision), Petra Scanferla (Fondazione Università Ca'Foscari)

15:25 The Use of Insurance to Make Financial Provision Against Environmental Risk

Duncan Spencer (EDIA limited)

15:40 Decision consequence analysis (DCA) of intervention alternatives on landfills Wandir I and II, Volta Redonda (RJ)

José Carlos Rocha Gouvêa Júnior (Companhia Siderúrgica Nacional, Nicole Latin America)

15:55 Panel discussion moderated by chairs

16:30 End of the session



NICOLE | LATIN AMERICA
Latin America Network for Soil and Water Management



REMTECH Europe

SESSION 3

Contaminated sites sustainable management strategies

21 SEPTEMBER MONDAY

17.00 – 19.00 CEST (Central European Summer Time)

Opening

17:00 Welcome and introduction from the Chairs

Wouter Gevaerts (NICOLE), Juliana Rolla (Pro-Natura), Róbert Jelínek (Slovak State Geological Institute of Dionyz Stur)

Presentations

17:10 Cost-Effective Destruction of Petroleum Hydrocarbon Contaminants with Expedited Residual Mass – Smear Zone (LNAPL) Destruction under Anaerobic Conditions via Biostimulation
Kent C. Armstrong (TerraStryke Products)

17:25 Brownfield Revitalization and Future Value Increase with a High-Resolution Site Characterization Approach
Sandro Souto, Cesar Malta, Camilo Chaves, Mateus Evald, ,Guilherme Varela, Milly Saturnino, Ana Carolina Corredori (FINKLER Ambiental)

17:40 Constructing a 1 Km River near downtown Toronto, Canada, through Contaminated Land: Risk Based Strategy, Maximized Soil Treatment and Reuse and Land Use Controls
Meggen Janes (Waterfront Toronto)

17:55 Integrated management strategy for Usina Presidente Vargas (upv) megasite
José Carlos Rocha Gouvêa Júnior (Companhia Siderúrgica Nacional)

18:10 Impacts not evaluated from the construction of mining projects, to the origin of large damages to the infrastructure of the Moquegua region, south Perú: the case of Quellaveco
Hernando Núñez del Prado Simons (Universidad Nacional de Moquegua, UNAM)

18:25 Panel discussion moderated by chairs

19:00 End of the session



REMTECH Europe

SESSION 4

Brownfield decommissioning and Landfill: soil remediation case studies

22 SEPTEMBER TUESDAY

11.30 – 13.30 CEST (Central European Summer Time)

Opening

11:30 Welcome and Introduction from the Chairs

Frank Swartjes (RIVM), Christiane Wermeille (FOEN), Jussi Reinikainen (Finnish Environment Institute)

Presentations

11:40 Redevelopment of a railway area with buried coal slag

Matteo Crespi (DICAM, Bologna University), Ugo Bacchiega (BBT SE Brenner Basistunnel), Sarah Bonvicini (DICAM, Bologna University), Francesco Caridei

11:55 Thermal Desorption Treatment on a Dioxin Contaminated Soil at Biên Hòa Airbase, Vietnam

Aline Jordens, Hatem Saadaoui, Jan Haemers (Haemers Technologies)

12:10 Application of phytotechnologies in the experience of landfills in infringement entrusted to the Commissioner

Nino Tarantino (Illegal Landfills Extraordinary Commissioner Office)

12:25 Use of respirometry for chemical oxidising agent activator type and concentration selection for saturated hydrocarbon contaminated soils

Christina Makri, Thomas J. Aspray (University of Glasgow)

12:40 Design of asbestos removal from large-scale industrial site assets

Mariangela Venco (ENI Rewind)

12:55 Panel discussion moderated by chairs

13:30 End of the session



REMTECH Europe

SESSION 5

Groundwater remediation

22 SEPTEMBER TUESDAY

14.30 – 16.30 CEST (Central European Summer Time)

Opening

14:30 Welcome and introduction from the Chairs

Dietmar Muller (Common Forum), Nicola Harries (CL:AIRE), Kine Martinsen (Ministry of Environment of Norway)

Presentations

14:40 Designing for groundwater contaminant mitigation as the climate changes

Scott D. Warner, Dawit Bekele (Global Centre for Environmental Remediation, University of Newcastle), Sreenivasulu Chadalavada, Ravi Naidu (Cooperative Research Centre for Contamination Assessment and Remediation of the Environment, Australia)

14:55 Superoxide radical as a green reagent and an ultimate solution for soil and water contamination

Uri Stoin (Alpha Cleantec AG)

15:10 New Integrated Biogeochemical/Electrochemical Method for Remediation of Contaminated Groundwater

Elie Elgressy, Gil Elgressy (Elgressy), Raphi Mandelbaum, Gal Mandelbaum (LDD Advanced Technologies), Jim Mueller (Provectus Environmental Products) Claudio Sandrone (BAW)

15:25 Going with the geochemical cycle

Alberto Angeloni (Montana), Hans Zijlstra (GeoChemTech)

15:40 Cost-Effective Destruction of Petroleum Hydrocarbon Contaminants with Expedited Residual Mass Solubilization under Anaerobic Conditions via Biostimulation

I. Richard Schaffner Jr. (Schaffner Applied BioGeosciences), Kent C Armstrong (TerraStryke Products)

15:55 Panel discussion moderated by chairs

16:30 End of the session



REMTECH Europe

SESSION 6

LNAPL and Chlorinated compounds remediation

22 SEPTEMBER TUESDAY

17.00 – 19.00 CEST (Central European Summer Time)

Opening

17:00 Welcome and introduction from the Chairs

Paul Nathanail (CABERNET), Piotr Wojda (JRC-European Commission), Wouter Gevaerts* (NICOLE)*

Presentations

17:10 In situ treatment of BTEX and cVOC under a large car manufacturing industrial plant

Marcello Carboni, Gareth Leonard, Kris Maerten (RegenesiS)

17:25 Surfactant Enhanced Extraction (SEE) at LNAPL and DNAPL Impacted Sites Pilot to Full Scale Applications in Canada, United States and Europe

George A. Ivey (Ivey International)

17:40 Expedited DNAPL Destruction via Biostimulation

Kent C. Armstrong (TerraStryke Products), Barbara Forslund (GeoServices)

17:55 Controlled alkaline degradation of hexachlorocyclohexanes for the in situ remediation of a high velocity anisotropic aquifer: from lab to field

I. Bouzid, N. Fatin-Rouge (Université de Bourgogne Franche-Comté), A. Joubert, J. Maire, L. Mansuelle, F. Laurent, M. Broquaire

18:10 DCE Stall – Causes and Cures

Robert C. Borden (Professor Emeritus, North Carolina State University)

18:25 Panel discussion moderated by chairs

19:00 End of the session



REMTECH Europe

SESSION 7

Tackling emerging pollutants and diffuse pollution

23 SEPTEMBER WEDNESDAY

11.30 – 13.30 CEST (Central European Summer Time)

Opening

11:30 Welcome and Introduction from the Chairs

Jörg Frauenstein (UmweltBundesAmt), *Natalia Rodriguez Eugenio (FAO)*, *Nicolas Fatin-Rouge (University of Bourgogne Franche-Comté)*

Presentations

11:40 Portoscuso – An effective assessment and management of a wide contaminated area

Antonella Vecchio (ISPRA), *Elisa Mariani (Sapienza University)*, *Maria Gabriella Andrisani, Maurizio Guerra (ISPRA)*, *Gianfranco Mulas (Portoscuso Municipality)*

11:55 Geostatistical approach for the determination of potential sources of contamination of pesticides in the surface water bodies of Lombardy

Mariano Tenuta (aPolis-Lombardia- Regional Institute for the support of Lombardy's policies), *Marco Aquino (DIAM-Department of Environmental Engineering, University of Calabria)*

12:10 Dioxins, furans, polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in Veneto region soils

Paolo Giandon, Adriano Garlato, Andrea Dalla Rosa (ARPA Veneto)

12:25 Emerging pollutants: Industrial Emissions Directive – IED and REACH Regulation as instruments for environmental protection

Lorenzo Maiorino, Debora Romoli (ISPRA)

12:40 High-impact emerging mining pollution on the health of the Arequipa population in Southern Peru

Hernando Núñez del Prado, Erick Alvarez, Robert Medina (Instituto de Investigacion en Ciencias Ambientales, Universidad Nacional de Moquegua - Peru)

12:55 Panel discussion moderated by chairs

13:30 End of the session



SAPIENZA
UNIVERSITÀ DI ROMA



UNIVERSITÀ DELLA CALABRIA
DIPARTIMENTO DI INGEGNERIA
DELL'AMBIENTE



COMUNE DI
Portoscuso

REMTECH Europe

SESSION 8

Circular Economy: how to apply it in the context of EU Green Deal

23 SEPTEMBER WEDNESDAY

14.30 – 16.30 CEST (Central European Summer Time)

Opening

14:30 Welcome and introduction from the Chairs

Laura Cutaia, ENEA Italy

Juliana Rolla (Pro-Natura)

Piotr Wojda (JRC-European Commission)

Presentations

14:40 Title to be defined

Speaker to be defined (ENEA)

14:55 Natural clays of a coal tar contaminated site to stabilize hydrocarbons, reduce their ecotoxicity and make cement

N. Fatin-Rouge, R. Bamze Attoumani, A. de Vaufleury, N. Crini (Université de Bourgogne Franche-Comté)

15:10 Circular City/Circularity in City. Limits and potential of a new paradigm

Gianfranco Franz (Department of Economics and Management, Ferrara University)

15:25 MINTEGRA-ECO - Systemic Model and Operational Application to the Social Habitation and Circular Economy.

Celene Almeida de Brito (UCES Buenos Aires, Circular Economy Club)

15:40 Title to be defined

*Ladeja Godina Kosir *invited (European Circular Economy Stakeholder Platform – ECESP)*

15:55 Panel discussion moderated by chairs

16:30 End of the session



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REMTECH Europe

SESSION 9

PFAS: Guidance, pilot test and remediation

23 SEPTEMBER WEDNESDAY

17.00 – 19.00 CEST (Central European Summer Time)

Opening

17:00 Welcome and introduction from the Chairs

Jörg Frauenstein (UmweltBundesAmt), Wouter Gevaerts (NICOLE), Frank Swartjes* (RIVM)

Presentations

17:10 The SERDP & ESTCP PFAS R&D Initiative

Marvin Unger (SERDP & ESTCP/Noblis)

17:25 Status of PFAS Guidance from ASTM International

Stephanie Fiorenza, Ph.D - Co-Authors: Sriram Madabhushi, Booz Allen Hamilton; Mark Westra, Rose and Westra; Paul Sonnenfeld, Lehigh Hanson (ASTM International)

17:40 Results from Six Insitu Pilot-Scale Tests for the Treatment of PFAS-Impacted Groundwater

Rick McGregor (InSitu Remediation Services)

17:55 Breaking the PFAS cycle: advances in the destruction of these ubiquitous and recalcitrant contaminants

Stefano Marconetto; Giulia Bigoni, Anna De Fina, Jean Pierre Davit (Golder)

18:10 Environmental forensics and GIS technology applied to Per- and Polyfluoroalkyl substances (PFAS)

Alessandro Monteverdi, Francesca Giacomello, Jane Thrasher, William DiGuseppi (Jacobs)

18:25 A novel method for PFAS removal in water for human use

Alberto Ubaldini, Antonietta Rizzo, Chiara Telloli, Sergio Lo Meo (ENEA)

18:40 Panel discussion moderated by chairs

19:00 End of the session



SESSION 10

Bioremediation techniques: a challenge for slightly contaminated soil and mine tailings

24 SEPTEMBER THURSDAY

09.00 – 11.00 CEST (Central European Summer Time)

Opening

09:00 Welcome and introduction from the Chairs

Frank Swartjes (RIVM), Joytishna Jit (CRC Care), Natalia Rodriguez Eugenio (FAO)*

Presentations

09:10 Acacia mangium as a nature based solution for bioremediation of ex-tin tailings in the tropics
Jeyanny Vijayanathan, Ahmad Zuhaidi Yahya (Forest Research Institute Malaysia)

09:25 Enhanced Cd-Pb phyto-remediation in Vetiver grass using different soil amendments
Chuck Chuan (China-ASEAN College of Marine Sciences, Xiamen University Malaysia)

09:40 Development of biotechnologies for cleaning of irrigation canals from oil pollution and heavy metals
Nariman Ismayilov, Saida Aliyeva (Azerbaijan National Academy of Sciences)

09:55 Bioremediation of the herbicide Dicamba utilizing pure cultures and microbial consortia associated with biological control against the fungal pathogen *Fusarium culmorum*
Alexandru Vlaiculescu, Cristiano Varrone (Aalborg University)

10:10 Potential of ozonation and phytoremediation to reduce petroleum hydrocarbon levels remaining after pilot scale soil bioremediation
Althalb Hakima, Elmusrati Izzeddin (Libyan Petroleum Institute)

10:25 Panel discussion moderated by chairs

11:00 End of the session



Forest Research Institute Malaysia
Ministry of Energy and Natural Resources



XIAMEN UNIVERSITY MALAYSIA
廈門大學 馬來西亞分校



National Oil Corporation
Libyan Petroleum Institute



REMTECH Europe

SESSION 11

Innovative characterization technologies and Digital Innovation

24 SEPTEMBER THURSDAY

11.30 – 13.30 CEST (Central European Summer Time)

Opening

- 11:30** Welcome and Introduction from the Chairs
Wouter Gevaerts (NICOLE), Juliana Rolla (Pro-Natura), Marco Roverati (ARPAE)

Presentations

- 11:40** Real-time Environmental Monitoring of SARS Corona Virus-2, Harmful Bacteria and Toxics in Water and Wastewater Systems
Charles CC Lee (University of Newcastle Australia - School of Environmental and Life Sciences, Singapore)
- 11:55** High Resolution Site Characterization of a PAH contamination in Gent, Belgium by application of the Optical Image Profiler (OIP)
Martijn Naert (Witteveen+Bos), Pieter Buffel (EnISSA - Enhanced in Situ Soil Analysis), Wim Vansina (Witteveen+Bos), Annelies Van Gucht (OVAM)
- 12:10** Characterization and analysis of groundwater recharge through tritium measurements
Chiara Telloli, Stefano Salvi, Antonietta Rizzo, Alberto Ubaldini (ENEA)
- 12:25** Environmental Release Simulation and Testing to Inform Hazard Assessment and Risk Mitigation
Simone Levy (InnoTech Alberta)
- 12:40** MAGNET – Multiscale Adaptive Global NETwork – 4 Water, a cloud-powered, big-data-enabled, realtime interactive platform for groundwater flow and contaminant transport modeling, visualization, and analysis
Shuguang Li (Michigan State University), Huasheng Liao, Zachary Curtis, Umesh Adhikari, Theodore Eyster, Zentao Wang
- 12:55** Panel discussion moderated by chairs

- 13:30** End of the session



REMTECH Europe

SESSION 12

HRSC in the definition of the Conceptual Site Model

24 SEPTEMBER THURSDAY

14.30 – 16.30 CEST (Central European Summer Time)

Opening

14:30 Welcome and introduction from the Chairs

*Dietmar Muller** (Common Forum), *Nicola Harries** (CL:AIRE), Guido Paliaga (Order of Geologists of Liguria)

Presentations

14:40 Complete Redefinition of Conceptual Site Model based on a High-Resolution Site

Characterization Approach – A Case study of a High-Risk Site Contaminated by Chlorinated Compounds

Sandro Souto, Cesar Malta, Camilo Chaves, Mateus Evald, Guilherme Varela, Milly Saturnino, Ana Carolina Corredori (FINKLER Ambiental)

14:55 Next Generation Sequencing and qPCR as Complementary Approaches for Evaluating MNA at a Petroleum Hydrocarbon Impacted Site

Dora Taggart (Microbial Insights), Claudio Sandrone (BAW)

15:10 Updating of the Conceptual Model of a Former Industrial Waste Disposal Area Using High Resolution Tools

Antônio Jorge da Cruz, Marina Dayrell, Mariana Quesado, Rizia Aguiar, Jordon Werlang, Eduardo Fontoura (CETREL S/A)

15:25 Enabling Beneficial Reuse of Excavated Soil Through Electronic Tracking

Kevin Goldberg (SoilFLO), Teddy Sham (Mosaic Transit Solutions)

15:40 Numerical tools based on Artificial Intelligence for soil remediation

Muzammel Muhammad (EvalDepol, U-PEC), Tanguy Westelynck (EvalDepol), Alice Othmani (U-PEC), Aurélien Triger (EvalDepol)

15:55 Panel discussion moderated by chairs

16:30 End of the session



REMTECH Europe

SESSION 13

Vapor intrusion: screening, continuous monitoring, mitigation measures

24 SEPTEMBER THURSDAY

17.00 – 19.00 CEST (Central European Summer Time)

Opening

17:00 Welcome and introduction from the Chairs

Frank Swartjes (RIVM), Antonella Vecchio (ISPRA), José Carlos Rocha Gouvêa Júnior (Companhia Siderúrgica Nacional, Nicole Latin America)*

Presentations

17:10 Smelling out cVOC's. The application of fast, on-site GCMS evaluation of indoor air quality in a vapour intrusion impacted building

Pieter Buffel, Arnout Soumilion, Lars Leunis Samuel Van Herreweghe, Inge De Vrieze (OVAM)

17:25 Answering Critical Vapor Intrusion Questions in a Single Field Campaign via Automated Continuous Monitoring

Mark Kram (Groundswell Technologies), Blayne Hartman (Hartman Environmental Geoscience), Kristof Van Vooren (Group Van Vooren), Tom Wuyts (Terra Engineering & Consultancy)

17:40 Innovative and Proven Method to Accurately Assess Location and VI Potential to Better Define your CSM Model

Craig A. Cox, Laurie A. Chilcote (Cox Colvin)

17:55 California 4-Step Process to Screen Buildings for Vapor Intrusion

Claudio Sorrentino (Department of Toxic Substances Control DTSC, CalEPA)

18:10 Covid-19 is worldwide: Ventilation design to reduce risks for the Built Environment

Duncan Phillips (RWDI)

18:25 Panel discussion moderated by chairs

19:00 End of the session



REMTECH Europe

SESSION 14

Effluents and wastewaters: challenges in managing odors and micropollutants

25 SEPTEMBER FRIDAY

09.00 – 11.00 CEST (Central European Summer Time)

Opening

09:00 Welcome and introduction from the Chairs

Jussi Reinikainen (Finnish Environment Institute), Baran Bozoglu (ClimateChange Policy and Research Association), Deyi Hou (Tsinghua University)

Presentations

09:10 Research on biological treatment for removal of odorous gas of Dimethyl sulphide hydrogen sulfide, and ammonia

Synthia Wong (Shanghai Bioscience)

09:25 Synergetic Effect on gamma radiolytic degradation of micropollutants by addition of H₂O₂ towards radical based study

V C Padmanaban (Kamaraj College of Engineering and Technology, India)

09:40 Tree based biological approach to reduce sewage odour

M. Prasanthrajan, A. Balasubramanian, K.T. Parthiban (Tamil Nadu Agricultural University)

09:55 Removal of nitrogen and phosphorus by microalgae isolated from wastewater of HERA-Ferrara sewage treatment plant

Sara Demaria, Michela Arcidiacono, Ornella Accoto, Costanza Baldisserotto (Ferrara University), Linda Benetti (HERA), Roberta Marchesini (Ferrara University), Marcello Zanella (HERA), Simonetta Pancaldi (Ferrara University)

10:10 Treatment of Amoxicillin Formulation Effluent by Ozone Technology

Mariana Cardoso Barros Ribeiro, André Luís de Castro Peixoto (Grupo de Química Tecnológica, Instituto Federal de São Paulo, IFSP)

10:25 Panel discussion moderated by chairs

11:00 End of the session



தமிழ்நாடு வேளாண்மை பல்கலைக்கழகம்
TAMIL NADU AGRICULTURAL UNIVERSITY



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SÃO PAULO

REMTECH
Europe
SESSION 15

TRAINING COURSE
**Managing the risks from PFAS in shallow
groundwater: lessons for brownfield reuse**

25 SEPTEMBER FRIDAY
14.30 – 16.30 CEST (Central European Summer Time)

Opening

14:30 Welcome and introduction from the teacher
Paul Nathanail (CABERNET)

Main presentation

14:40 Managing the risks from PFAS in shallow groundwater: lessons for brownfield reuse
Paul Nathanail (CABERNET)

16:10 Questions and answers
Paul Nathanail (CABERNET)

16:30 End of the session

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SESSION 16

TRAINING COURSE
Improving In Situ Anaerobic Bioremediation
Performance

25 SEPTEMBER FRIDAY
17.00 – 19.00 CEST (Central European Summer Time)

Opening

17:00 Welcome and introduction from the teacher
Robert C. Borden (Professor Emeritus, North Carolina State University)

Main presentation

17:10 Improving In Situ Anaerobic Bioremediation Performance
Robert C. Borden (Professor Emeritus, North Carolina State University)

18:40 Questions and answers
Robert C. Borden (Professor Emeritus, North Carolina State University)

19:00 End of the session

NOT ONLY REMTECH EUROPE! There are also other workshops, fully in English that would treat many challenging environmental issues. Have a look!

Climate change, planning strategies for adaptation and resilience

Mon 21 SEPTEMBER 14.30 – 16.30 CEST

RWDI Building resilience: Helping industries and structures weather the storm

Mon 21 SEPTEMBER 17.00 – 19.00 CEST

Good practices for the application of (EC) No 725/2004 -ISPS code (International Ship and Port Facility Security) "ECOMAP Interreg Italy Croatia Program

Tue 22 SEPTEMBER 09.00 – 11.00 CEST

States General of the chemical industry: sustainability, innovation and economic recovery

Tue 22 SEPTEMBER 14.30 – 16.30 CEST

Orienting climate change in the post-COVID world

Tue 22 SEPTEMBER 14.30 – 16.30 CEST





















Sustainable construction and infrastructure, international experiences

Thu 24 SEPTEMBER 17.00 – 19.00 CEST



Remtech Europe Scientific Committee

Marco Falconi	ISPRA, Italy
Christian Andersen	Danish Regions, Denmark
Veronique Antoni	WG on Contaminated Sites and Brownfields, France
Patrizia Bianconi	RemTech Expo, Italy
Baran Bozoğlu	ClimateChange Policy and Research Association, Turkey
Antonio Callaba de Roa	Environmental Ministry - Foro de las Comunidades Autónomas sobre Emplazamientos Contaminados, Spain
Said El Fadili	Brussels Capital Region and Irisnet, Brussels
Nicolas Fatin-Rouge	University of Bourgogne Franche-Comté, France
Jörg Frauenstein	UmweltBundesAmt, Germany
Josè Carlos Gouvea	NICOLE Latin America
Wouter Gevaerts	NICOLE - Network of Industrial Contaminated Land in Europe
Nicola Harries	CL:AIRE - Contaminated Land: Applications in Real Environments , United Kingdom
Deyi Hou	Tsinghua University, Beijing, China
Róbert Jelínek	Slovak State Geological Institute of Dionyz Stur, Slovakia
Joytishna Jit	CRC Care - Cooperative Research Centre for Contamination Assessment and Remediation of the Environment, Australia
Grzegorz Malina	AGH University of Science and Technology, Poland
Kine Martinsen	Ministry of Environment, Norway
Dietmar Müller-Grabherr	Common Forum and European Topic Centre on Urban, Land Use and Soil, Austria
Paul Nathanail	CABERNET, UK
Jussi Reinikainen	Finnish Environment Institute, Finland
Natalia Rodríguez Eugenio	FAO Food and Agriculture Organization
Juliana Rolla de Leo	FEAMIG Faculdade de Engenharia de Minas Gerais - Brasil
Frank Swartjes	National Institute for Public Health and the Environment, The Netherlands
Nino Tarantino	Illegal Landfills Extraordinary Commissioner Office, Italy
Pavlos Tyrologou	EFG European Federation of Geologists, Brussels-Belgium
Antonella Vecchio	ISPRA, Italy
Christiane Wermeille	Federal Office for the Environment FOEN Berne, Switzerland
Piotr Wojda	JRC - European Commission

TIME ZONES	Mon 21 Sept	Tue 22 Sept	Wed 23 Sept	Thu 24 Sept	Fri 25 Sept
 CEST 09:00-11:00  CST 15:00-17:00  IST 12:30-14:30  EDT 03:00-05:00  BRT 04:00-06:00				Bioremediation techniques: a challenge for slightly cont'd soil and mine tailings 10	Effluents and wastewaters: challenges in managing odors and micropollutants 14
 CEST 11:30-13:30  CST 17:30-19:30  IST 15:00-17:00  EDT 05:30-07:30  BRT 06:30-08:30	Policies and frameworks to address sustainable cont'sites remediation 1	Brownfield decommissioning and Landfill: soil remediation case studies 4	Tackling emerging pollutants and diffuse pollution 7	Innovative characterization technologies and Digital Innovation 11	
 CEST 14:30-16:30  CST 20:30-22:30  IST 18:00-20:00  EDT 08:30-10:30  BRT 09:30-11:30	Sustainable remediation and risk management 2	Groundwater remediation 5	Circular Economy: how to apply it in the context of EU Green Deal 8	HRSC in the definition of the Conceptual Site Model 12	Managing the risks from PFAS in shallow groundwater: lessons for brownfield reuse 15
 CEST 17:00-19:00  CST 23:00-01:00  IST 20:30-22:30  EDT 11:00-13:00  BRT 12:00-14:00	Contaminated sites sustainable management strategies 3	LNAPL and Chlorinated compounds remediation 6	PFAS: Guidance, pilot test and remediation 9	Vapor intrusion: screening, continuous monitoring, mitigation measures 13	Improving In Situ Anaerobic Bioremediation Performance 16