

Knowledge-based solutions and international drivers

| Time (start) | Time (end) | Session Theme | Activity/Topic | Presenters |
|--------------|------------|--|---|---|
| 08:00 | 08:45 | | | - |
| 08:45 | 09:00 | | Acknowledgements and Welcome | |
| 09:00 | 09:20 | | Opening Address from DFFE | Dr Mpho Tshitangoni (Department of Forestry, Fisheries and the Environment) |
| 09:20 | 10:00 | | Keynote 1: Mrs Marine Blaauw | Terra Africa |
| 10:05 | 10:25 | <i>Soil health as a tool in remediation</i> | Response of enzyme activities and fertility parameters to bioremediation of toxic elements in mine affected soils | Dr Pholoso M Kgopa (University of Limpopo) |
| 10:25 | 10:40 | MORNING TEA | | |
| 10:45 | 11:05 | <i>Risk assessment and management techniques for evaluating the risks connected to contaminated soil</i> | Towards furthering our understanding the impact of gold mine tailing storage facilities (TSFs) on the environment, specifically water | Lusizo Nqasha (WITS) |
| 11:10 | 11:30 | | Integrated approach to contaminated land assessment: Focus on lead remediation | Collen Nkosi (SLR Consulting) |
| 11:35 | 11:55 | | Shifting Gears: From Conventional Monitoring to High Resolution Site Characterization and Design Optimization (HR-SC/DO) | Steve K Kalule (USK Consulting) |
| 12:00 | 13:00 | LUNCH | | |
| 13:00 | 13:40 | | Keynote 2: Mr Marco Falconi | RemTech Europe Scientific Coordinator ISPRA |
| 13:45 | 14:05 | <i>International case studies</i> | Employing molecular biological tools for the assessment of natural source zone depletion at a contaminated site | Dora Taggart (Microbial Insights, Inc.) |
| 14:10 | 14:30 | | The game-changing impact of endophytes on phytoremediation on a former petro transfer station in California | Renee Murphy (Intrinsyx Environmental) |
| 14:35 | 14:55 | | Full scale in-situ thermal remediation inside a working factory in Belgium: Challenges and lessons learnt | James Baldock (ERM) |
| 15:00 | 15:30 | AFTERNOON TEA | | |
| 15:30 | 15:50 | <i>International case studies</i> | In-situ remediation of a mining-related contamination in Tanzania: A case study of cost-effective and sustainable groundwater treatment | Mr Harry Ylikangas (Sensatec Africa LTD) |
| 15:55 | 16:15 | | How to put sustainable remediation into practice – international case studies | Theo Ferreira (GeoRem) |
| 16:20 | 16:30 | | Wrap Up Day 1 | NICOLA |
| 18:00 | 22:00 | NETWORKING EVENT AND DINNER | | |



NICOLA Conference Day 2: Thursday, 31 October 2024



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| Time (start) | Time (end) | Session Theme | Activity/Topic | Presenters |
|--------------|------------|--|--|--|
| 08:30 | 08:45 | | Registration / Coffee & Tea - Foyer | - |
| 08:45 | 09:00 | | Welcome & Recap | NICOLA |
| 09:00 | 09:40 | | Keynote 3: Ms Alex Russel | Sasol |
| 09:45 | 10:05 | <i>Emerging contaminants</i> | Emerging contaminants: Opportunities for biological and sustainable remediation | Martin Slooijer (GreenSoil Group) |
| 10:10 | 10:30 | | In-situ elimination of PFAS in contaminated soil and groundwater by washing with protein bio-polymers and stabilization by GAC high pressure injection | Dr Stephan Huettmann (Sensatec Africa LTD) |
| 10:30 | 11:00 | | MORNING TEA | |
| 11:00 | 11:20 | <i>Sustainability: The environmental cost of remediation</i> | Nature based in situ remediation of mine and industry affected groundwater – technology selection, design and scientific success criteria | Dr Heidi G. Snyman (iWater) |
| 11:20 | 11:40 | | Innovative solution to install passive cut-off trench using horizontal drilling | Simo Constantatos (GPT) |
| 11:40 | 12:00 | | Sustainability: The environmental cost of remediation with specific focus to the role of Natural Capital Accounting in designing end land use | Tshegofatjo Mashedi (Shangoni Management Services) |
| 12:05 | 12:25 | <i>The benefits and limitations of treating contaminated soil in situ vs ex situ</i> | The benefits and limitations of treating contaminated soil in-situ vs. ex-situ: A focus on space limitations | Jurie Blom (GeoRem) |
| 12:30 | 13:30 | | LUNCH | |
| 13:30 | 13:50 | <i>Soil vs groundwater data in identifying remediation objectives</i> | Remediation efforts at a retail filling station | Liesl Koch (Sasol) and Adam Sanderson (WSP) |
| 13:55 | 14:15 | | Utilising soil and groundwater data to identify remediation objectives for crude oil contamination | Keo Halenyane (RGM Env) |
| 14:15 | 14:35 | | Groundwater data is not always a direct indication of soil quality | Willem van Biljon (GPT) |
| 14:40 | 15:00 | | TAME – Comparative plume lengths and risk management | Sylvia McIntosh (SLR Consulting) |
| 15:05 | 15:25 | | The granular activated carbon with ozone pretreatment to treat the ether oxygenate in groundwater | Livhuwani Netshiungani (RGM Env) |
| 15:25 | 15:55 | | AFTERNOON TEA | |
| 15:55 | 16:15 | <i>Financial Provisioning & Liability Management</i> | Financial provisioning for contaminated land: Legislative requirements, digital innovations, and strategic reserve rationalisation | Perrine Martin (ERM) |
| 16:15 | 16:35 | | Paradigm shift in liability management | Dan MacDonald (Ivey International Inc.) |
| 16:35 | 16:45 | | Wrap Up Day 2 & Report out | NICOLA |
| 16:45 | 17:45 | | AGM | |