

The 3rd International Conference on:
**SUSTAINABLE
 REMEDIATION
 2014**



**17-19 Settembre, Ferrara Fiere Congressi
 FINAL PROGRAM (PROVISIONAL)**

17 September - Wednesday: Castello Estense

2.00 pm		OPENING WITH GREETINGS FROM AUTHORITIES Tiziano Tagliani (Mayor of Ferrara), invited "Remediation Sustainability in Italy", Laura D'Aprile (Ministry of the Environment and Protection of Land and Sea of Italy)
Theme 1 CONCEPTUAL FRAMING	2.40 pm	169 - "Urban Land Management 2064 – sustainable brownfield reuse matters" C. Paul Nathanail (University of Nottingham & FP7_HOMBRE), Hans Van Duijne (Deltares & FP7_HOMBRE Maaik Blauw Deltares & FP7_HOMBRE), Katja Wendler (Dechema & FP7_HOMBRE)
	3.00 pm	151 - "Title Requested" Gernot Doberl (Environment Agency Austria), Dietmar Muller-Grabherr (Environment Agency Austria)
	3.20 pm	146 - "A Review of the Legislative and Regulatory Basis for Sustainable Remediation in the European Union and United Kingdom" Steven Tan (URS Infrastructure & Environment UK Ltd), Rick Parkman (URS Infrastructure & Environment UK Ltd), Richard Bewley (URS Infrastructure & Environment UK Ltd), Paul Bardos (r3 Environmental Technology Ltd)
	3.40 pm	184 - "How 'sustainable' is Sustainable Remediation?" Reanne Ridsdale Debora (University of Saskatchewan, Saskatoon, Canada)
	4.00 pm	152 - "Flanders integrates sustainable soil remediation into other policies" Griet Van Gestel (OVAM), Tim Caers (OVAM), Ellen Luyten (OVAM), Johan Ceenaeme (OVAM)
	4.20 pm	139 - "Efficiency Gains through use of Combined Remedies – principles and examples" Jeremy Birnstingl (Regenesis Ltd), Alberto Leombruni (Regenesis Ltd)
4.40 pm		COFFEE BREAK (10')
Theme 1 CONCEPTUAL FRAMING Focus on International SuRF	4.50 pm	187 - "The role of risk assessment in sustainable remediation a UK perspective" Alan Thomas (ERM), Jane Oakeshott (ERM)
	5.10 pm	132 - "Sustainable Remediation Progress in Taiwan: Framework, Tools and Case Studies" Colin S. Chen (National Kaohsiung Normal University), Hao-Chun Hung (Soil and Groundwater Remediation Fund Management Board, Environmental Protection Administration), Bing-Nan Wang (SINOTECH Environmental Technology Ltd), Tsai-Wen Chiang
	5.30 pm	123 - "Achievements and Future of the Organization" Amanda McNally (SURF/AECOM), Dave Woodward (AECOM SURF US)
	5.50 pm	177 - "Launching Sustainable Remediation Forum at Italian National level - opportunities and challenges" Claudio Albano (CH2MHILL), Alessandro Battaglia (ERM), Camila Guzman (Golder Associates), Jean Pierre Davit (Golder Associates)
6.10 pm		International SuRF Panel Round Table

18 September – Thursday: Ferrara Fiere e Congressi

PARALLEL SESSIONS 1: Thursday Morning		
WORKSHOP	9.00 am	WORKSHOP: NanoRem proposed World Café special session: can nanoremediation be sustainable remediation? - Paul Bardos (chairperson)
	11.00 am	COFFEE BREAK (20')
Theme 3 "GREENING" REMEDIATION	11.20 am	116 - "A multi-criteria method for assessing the sustainability of remediation alternatives" Gitte Lemming (Technical University of Denmark), Morten Bondgaard (Central Denmark Region), Philip J. Binning (Technical University of Denmark), Kasper Rüegg (Central Denmark Region)
	11.40 am	115 - " <i>Title Requested</i> " Chiel Lauwerijssen (Tauw Group), Paul Stok (Tauw Group), Gustav Egbring (Tauw Group)
	12.00 am	143 - "Sustainability Helps Tip the Balance for Selecting Novel Technologies: A Case Study Selecting STAR for a Coal Tar DNAPL Site" Gavin Grant (Savron), David Major (Savron), Grant Scholes (Savron), Matt Vanderkooy (Geosyntec Consultants)
	12.20 am	108 - "Greening remediation eco-efficient technologies and opportunities from synergy" Paul Bardos (University of Brighton, r3 Environmental Technology Ltd), Andy Cundy (University of Brighton), Kene Onwubuya (University of Brighton) and others
	12.40 am	157 - "Assessment of sustainable sulfur remediation and reuse at remote location" Alberto Cazzaniga (Golder Associates S.r.l.), Jean Pierre Davit (Golder Associates S.r.l.)
	13.00 pm	114 - "The natural catch" Tobias Praamstra (Tauw BV)
PARALLEL SESSION 2: Thursday Morning		
WORKSHOP	9.00 am	WORKSHOP: Implementing Remedies with a Lower Environmental Footprint: Recent Developments - Pachon Carlos (chairperson)
	11.00 am	COFFEE BREAK AND POSTER SESSION (20')
WORKSHOP	11.20 am	WORKSHOP: Sustainable remediation and Redevelopment Case Studies State of the art - Barbara Maco (chairperson)
	1.20 pm	LUNCH (40')
PARALLEL SESSION 1: Thursday afternoon		
Theme 3 "GREENING" REMEDIATION	2.00 pm	106 - "Co-Composting of Hydrocarbons Impacted Soil" Eric Bergeron (Golder Associated Ltd)
	2.20 pm	109 - "The sustainability evaluation of an innovative technique of S/S evaluated through comparative LCA" Petra Scanferla (Consorzio Venezia Ricerche), Roberto Pellay (Mapintec)
	2.40 pm	161 - "Development of a national tool for assessing the environmental footprint of cleanup technologies in the framework of the green remediation approach" Andrea Forni (Independent consultant), Flavia Polli (Università degli Studi di Roma "Tor Vergata"), Roberto Riberti (ARPA Emilia Romagna), Marco Falconi (ISPRA)
	3.00 pm	129 - "Integrating Sustainable In-Situ Thermal and Biological Treatment" James Baldok (ERM) Alan Thomas (ERM), Simon Tillotson (ERM), Jay Dablow (ERM)
	3.20 pm	140 - "Tools, tips and tricks of the trade for more sustainable soil use" Claire Dickinson (AECOM), Hilary Allen (AECOM), David Ridout (AECOM)
	3.40 pm	155 - "Fusina Treatment Wetland - From Remediation to Sustainable Water Management" Alessio Galletti (CH2MHILL), Jim Bays (CH2MHILL), Oliviero Trebbi (SIFA), Paolo Zanocco (Studio Altieri S.p.A)
	4.00 pm	178 - "Sustainable Integrated Dismantling, Remediation and Redevelopment of an Industrial site in Brazil" Paola Barreto (DuPont), Olivier Maurer (CH2MHILL), Laís Trento (DuPont), Paloma Carvalho (DuPont)
	4.20 pm	COFFEE BREAK AND POSTER SESSION (20')

Theme 4

CASE STUDIES

4.40 pm	166 - "Technology trains in the framework of the holistic management of brownfield regeneration" Renato Baciocchi (Università degli Studi di Roma Tor Vergata), Oriana Capobianco (Università degli Studi di Roma "Tor Vergata"), Giulia Costa (Università degli Studi di Roma "Tor Vergata"), Martijn Smit (Wageningen University)
5.00 pm	126 - "Apply Green Remediation principles in a soil remediation project - Case study from Kuwait" Bedanga Bordoloi (TERI Etali Sarmah)
5.20 pm	112 - "Economic value of sustainable soil management, policy based (national) case study for the Netherlands" Mark in 't Veld (Tauf bv)
5.40 pm	154 - "Development Corporation Queen Elizabeth Olympic Park, Inception to Legacy" Steve Davies (London Legacy)
6.00 pm	133 - "Eco-efficient risk management of a creosote contaminated site" Pirjo Tuomi (Golder Associates), Oy Hannu Hautakangas (Golder Associates Oy), Antti Kari (Senate Properties), Heikki Laakso (Golder Associates Oy)

PARALLEL SESSION 2: Thursday afternoon

Theme 2

TOOLS, METRICS AND INDICATORS

2.00 pm	165 - "Title Requested" Robert Noel de Tilly (Golder Associates), Sébastien Yelle (Travaux Publics et Services Gouvernementaux Canada (TPSGC)), Sylvain Hains (Golder Associates), Valérie Morin (Travaux Publics et Services Gouvernementaux Canada (TPSGC))
2.20 pm	149 - "Sustainability Appraisal Methods: importance of input data consistency and reliability and monitoring during execution" Claudio Albano (CH2MHILL), Silvia Frisario (CH2MHILL)
2.40 pm	183 - "Remediation of gasoline service stations: sustainability assessment of Excavation and Disposal, Multi phase-extraction, Bioventing and Soil Vapor Extraction" Ambrosini Paolo (SAIPEM), Lanari C., Patata L, Crimi G. , Ragni P., Schillaci P. (SAIPEM, RISAMB department, ECOAP department)
3.00 pm	127 - "Title Requested" John Hunt (Thiess Services), Garry Smith (SuRF ANZ (Chairman) and Geosyntec)
3.20 pm	176 - "SCORE: Sustainable Choice Of REmediation at Contaminated Sites" Lars Rosen (Chalmers University of Technology), Pär-Erik Back (Swedish Geotechnical Institute), Tore Söderqvist (Enveco Environmental Economics Consultancy), Jenny Norrman Chalmers (University of Technology)
3.40 pm	167 - "Sustainability assessment between remediation alternatives of an industrial site" Alessandro Battaglia (ERM Italia), Giorgio Bianchi (Syndial), Fabio Iraldo (Università Bocconi), Carla Corlatti (ERM Italia)
4.00 pm	134 - "Sustainability Appraisal of Revegetation Options for Mine Remediation in Northern Canada" Elizaveta Petelina (Saskatchewan Research Council), David Sanscartier (Saskatchewan Research Council), Susan MacWilliam (Saskatchewan Research Council), Reanne Ridsdale (University of Saskatchewan)
4.20 pm	COFFEE BREAK AND POSTER SESSION (10')
4.30 pm	124 - "Development and Application of GSRx: a Green and Sustainable Remediation Best Management Practices Program and Tool" Amanda McNally (AECOM), Scott McDonough (AECOM), Dave Woodward (AECOM)
4.50 pm	113 - "Use of social and economic indicators for the selection of sustainable site remediation options" Valérie Cappuyus (KU Leuven Glenn), Van Passen (KU Leuven)
5.10 pm	168 - "Sustainability assessment between remediation alternatives of an industrial site" Giorgio Bianchi (Syndial SpA), Luciano Zaninetta (Syndial SpA)
5.30 pm	141 - "Comparison of Four Environmental Footprint Assessment Tools: Can You Have Confidence in the Results?" Paul Favara (CH2M HILL)
5.50 pm	145 - "The risks for workers during remediation as an element of sustainability" Elisabetta Bemporad (INAIL (Ricerca)), Simona Berardi (INAIL (Ricerca)), Emma Incocciati (INAIL (CONTARP))
6.10 pm	179 - "Use of SuRF-UK Indicators to Evaluate Remediation Alternatives for a Chlorinated Solvent Plume in Northern Ireland" Jim Day (CH2M HILL), Paul Favara (CH2M HILL)

19 September – Friday: Ferrara Fiere e Congressi

<h2>Theme 4</h2> <p>CASE STUDIES</p>	9.00 am	101 - "The Present State of Contaminated Sites in Taiwan and Their Potential Benefits of Redevelopment" Wan-Ying Tsai(Sinotech Engineering Consultants Inc.), Ying-Shin Chen (Sinotech Engineering Consultants Inc.)
	9.20 am	118 - "Transforming the brownfield hexion into a residential area a probabilistic economic project risk assessment" Petra Brinkhoff (ncc ab), Malin Norin (ncc ab), lars Rosén (Chalmers University of Technology), Jenny Norrman (Chalmers University of Technology)
	9.40 am	171 - "Quantification of the environmental footprint of two alternative approaches for the wastewater treatment by applying LCA: re-vamping of an existing plant and construction of a new plant" Erika Germiniani (AECOM Italy), Luca Zampori (Politecnico di Milano), Giovanni Dotelli (Politecnico di Milano), Giorgio Bianchi (Syndial)
	10.00 am	138 - "Embedding Sustainability at National Grid" Mattehew Pearce (National Grid)
	10.20 am	119 - " Transforming the brownfield hexion into a residential area sustainability assessment of the remediation using ceequal" Kristine Ek (ncc ab), Petra Brinkhoff (ncc ab), Malin Norin (ncc ab)
	10.40 am	130 - " Sustainable Gas Powered In-situ Thermal Desorption to Remediate PCBs in Low Permeability Soils at a facility in Spain" James Baldok (ERM), Maria Mantecon (ERM) Almudena Villanueva (ERM), Jay Dablow (ERM)
	11.00 am	COFFEE BREAK AND POSTER SESSION (20')
	11.20 am	125 - "Use of spent mushroom substrate (Agaricus bisporus) in bio-remediation of historically contaminated soil: impact on microbial community and PAH removal" Carlos Garcia Delgado (Department of Agricultural Chemistry and Food Sciences, University Autónoma of Madrid), Alessandro D'Annibale (Department for Innovation in Biological, Agro-Food and Forest systems (DIBAF), University of Tuscia), Maurizio Petruccioli (Department for Innovation in Biological, Agro-Food and Forest systems (DIBAF), University of Tuscia, Viterbo), Enrique Eymar (Department of Agricultural Chemistry and Food Sciences, University Autónoma of Madrid)
	11.40 am	144 - "Sustainability Helps Tip the Balance for Selecting Novel Technologies: A Case Study Selecting STAR for a Coal Tar DNAPL Site" Gavin Grant (Savron), David Major(Savron), Grant Scholes (Savron), Len deVlaming (Geosyntec Consultants)
	12.00 am	158 - "Sustainable remediation assessment of boron impacted groundwater" Angela Giudice (Golder Associates S.r.l.), Anna De Fina (Golder Associates S.r.l.), Pierpaolo Curatolo (Golder Associates S.r.l.), Jean Pierre Davit (Golder Associates S.r.l.)
12.20 am	181 - "Miscanthus giganteus: a promising perennial grass for a sustainable phytomanagement of contaminated sites in Northern France" Bertrand Pourrut (LGCgE - Groupe ISA - University of Lille), Florian Nsanganwimana(LGCgE - Groupe ISA - University of Lille), Christophe Waterlot (LGCgE - Groupe ISA - University of Lille), Francis Douay (LGCgE - Groupe ISA - University of Lille)	
Poster presentations	12.40 am	BEST POSTER PRESENTATIONS
	1.20 pm	LUNCH (40')
<h2>Theme 5</h2> <p>STAKEHOLDER INVOLVEMENT</p>	2.00 pm	131- "Sustainable Coal Mine Reclamation Project, Vila Funil, Sideropolis, Santa Catarina State, Brazil" Olivier Maurer (CH2MHILL), Sander Eskes (Companhia Siderúrgica Nacional), James Polz (Companhia Siderúrgica Nacional), Robert Kleinmann (CH2MHILL)
	2.20 pm	173 - "Participative approaches to designing and evaluating sustainable urban land redevelopment options – experience from cases" Jenny Norrman (Chalmers University of Technology), Linda Maring (Deltares Fransje Hooimeijer TU Delft), Steven Broekx (VITO)
	2.40 pm	123 - "Lessons Learned in GSR Program Development" Amanda McNally (AECOM), Dave Woodward (AECOM)
	3.00 pm	160 - "Comparison and benchmarking of stakeholder engagement approaches: Environmental Site Impact Assessment (ESIA) vs Sustainable Remediation (SR) projects, from case studies" Alberto Sambartolomè (ERM Italia SpA), Andrea Iosia (ERM Italia SpA)
Final round table and closing	3.20 pm	ROUND TABLE