

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
Topic 1. Soil and water in the digital world						
1a. Big data, smart data combinations						
1A-01	21768	Risk at the intersection of climate variability and contaminated site management	Gibbons, Simon	Owen Rudloff; Venkat Kolluru; Simon Gibbons	ERM	GB
1A-02	21186	The application of passive sampling to monitoring of plant protection substances and pharmaceuticals in ground water	Hoekstra, Nanne	Jasperien de Weert ¹ ; Foppe Smedes ² ; Nanne Hoekstra ¹	¹ Deltares; ² Recetox	NL
1A-03	21362	Database of risk-sites in Flanders: tracing and tackling historical soil contamination to safeguard a fit for purpose soil for our future generation	Jambon, Inge	Inge Jambon ¹ ; Claudia Rongen ¹ ; Karen Van Geert ¹ ; Bart D'Hollander ¹ ; Kathleen Baets ² ; Kristel Declercq ² ; Inge De Vrieze ² ; Annemie Maes ² ; Nathalie Van Trier ²	¹ Arcadis Belgium; ² OVAM - Flemish Waste Agency	BE
1A-04	22418	Groundwater model of a large desert area in Algeria for groundwater resources impact assessment	Remonti, Michele	Michele Remonti ¹ ; Chiara Aquino ¹ ; Andrea Gigliuto	¹ ERM Italia S.p.A.	IT
1A-05	21162	Interreg project Sullied Sediments: set-up of a Decision Support Tool on remediation techniques for contaminated sediments	Smits, Anissa	Anissa Smits ¹ ; Goedele Kayens ² ; Herman Brangers ¹ ; Goedele Vanacker ²	¹ Witteveen+Bos Belgium NV; ² OVAM	BE
1c. New technological developments						
1C-01	21544	Use of drone technology for single beam bathymetric survey of a hydroelectric dam reservoir located on the Tuscan-Emilian Appennine	Ballarin, Christine	Christine Ballarin ¹ ; Andrea Moroni ¹ ; Ester Nana	¹ AECOM URS Italia S.p.A.	IT
1C-02	21539	Pollution assessment by means of multivariate analysis and multispectral imagery in the surrounding soils of a derelict Hg-As mine.	Gallego, José Luis R.	Carlos Boente; Lorena Salgado; Silverio García-Cortés; Nerea García-González; Arturo Colina; Eduardo Rodríguez-Valdés; José Luis R. Gallego	University of Oviedo	ES
1C-03	21612	Modelling of air flow in capillary break layers - A new approach to determine governing mechanisms in balanced ventilation systems preventing vapor intrusion of volatile pollutants	Skovsgaard, Jakob	Jakob Skovsgaard; Hans Bengtsson	Ramboll Environment & Health	DK
Topic 2. Advances in assessment of risk and monitoring of soil, sediment and water quality						
2a. Advances in sampling, monitoring techniques and methods						
2A-01	21664	A forensics-multivariate approach to the complex pollution affecting the environmental compartments in an industrial area	Baragaño, D.	D. Baragaño ¹ ; Nora Matanzas ¹ ; Carlos Sierra ² ; José Luis R. Gallego ¹	¹ University of Oviedo; ² University of León	ES
2A-02	22366	Combined Geophysical and Geochemical tools to monitor DNAPL decontamination processes	Biosca, Barbara	Barbara Biosca; Fernando Barrio-Parra; Ana Artalejo; Miguel Izquierdo-Díaz; Eduardo de Miguel; Jesús Díaz-Curiel; Rafael Medina Ferro	Universidad Politécnica de Madrid - ETSI Minas y Energía	ES

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
2A-03	21631	On the use of Geophysical monitoring to monitored DNAPL extraction	Deparis, Jacques	Jacques Deparis ¹ ; Antoine Joubert ² ; Benjamin Francois ¹ ; Thomas INVERNIZZI ² ; Ali Irvani ¹ ; Alain DUMESTRE ² ; Nicolas Fatin-Rouge ³ ; Julien Maire ³ ; delphine kaifas ⁴ ; aurelien triger ⁴ ; pierre-yves klein ⁴ ; Quentin Giraud ⁵ ; Benoit Paris ⁵ ; David Cazaux ⁶ ; David Cazaux ⁶ ; David Cazaux ⁶ ; Jean Christophe Gourry ¹ ; Stéfan Colombano ¹ ; Stéfan Colombano ¹ ; Hossein Davarzani ¹	¹ BRGM; ² SERPOL; ³ Université de Franche-Comté; ⁴ Sol Environment; ⁵ Intera; ⁶ INOVYN	FR
2A-04	21439	Sources, fate and impact of polycyclic aromatic hydrocarbons in soils of a broad industrialized area in Northern Spain.	Gallego, José Luis R.	Carlos Boente ¹ ; Diego Baragaño ¹ ; Alicia Fernández-Braña; José Luis R. Gallego ¹	¹ University of Oviedo	ES
2A-05	22455	In sights within a remediation project: Use of data dashboards to interrogate and understand a modern groundwater remediation project	Gibbons, Simon	Andrew Broadway ¹ ; Simon Gibbons ²	¹ ERM UK; ² ERM	GB
2A-06	22475	A sensitive method for determination of legacy and emerging perfluorinated alkyl acids (PFAAs) in environmental samples (water, soil, sediments, and sludge) using liquid chromatography tandem mass spectrometry.	Gnanasekaran, Devanathan	Devanathan Gnanasekaran ¹ ; Sven Herremans; Kris De Koninckx; Evy Weyn; Noor Van Looveren; Luc De Ren; Marc Van Ryckeghem	¹ SGS Belgium NV	BE
2A-07	21350	AMIIGA project as an example of advanced investigation, assessment and remediation of groundwater contamination crossing the urban areas and adjacent hinterlands	Gzyl, Grzegorz	Grzegorz Gzyl ¹ ; Petr Kohout ² ; Sandra Vasin ³ ; Donata Balzarolo ⁴ ; Marco Ghirardi ⁵ ; Joerg Prestor ⁶ ; Goran Gjetvaj ⁷	¹ Central Mining Institute; ² Forsapi Ltd.; ³ City of Stuttgart; ⁴ Lombardy Region; ⁵ Municipality of Parma; ⁶ Geological Survey of Slovenia; ⁷ Faculty of Civil Engineering, University of Zagreb	PL
2A-08	21644	A Contaminant Mass Recovery Model for Electrical Resistance Heating Sites: Comparison with Actual Data	Hegele, Paul	David Rountree ¹ ; John La Chance ¹ ; Paul Hegele ²	¹ McMillan-McGee Corp.; ² Euremtech-McMillan McGee Europe	BE
2A-09	21944	Development of Vertical Cross Section Distribution Investigation for Chlorinated Hydrocarbons in Gravel Geology	Hsu, Hsin-Lan	Hsin-Lan Hsu ¹ ; Shen Chieh Lin ¹ ; Wen Tzu Liu ² ; Yu Chieh Chou ²	¹ Industrial Technology Research Institute; ² Tricorntech Corporation	TW
2A-10	21590	Hydrocarbon background levels in Denmark in indoor and outdoor air	Hvidberg, Boerge	Boerge Hvidberg ¹ ; Per Loll ² ; Per Novrup ¹	¹ Central Denmark Region; ² Dansk Miljøraadgivning A/S (DMR A/S)	DK
2A-11	22130	Evaluation of biodegradation and biostimulation potential within a chlorinated ethene-contaminated aquifer using advanced monitoring tools	Kuntze, Kevin	Anko Fischer ¹ ; Petra Bombach ¹ ; Kevin Kuntze ¹ ; Joachim Richter ² ; Annika Beckmann	¹ Isodetect GmbH; ² HPC AG	DE
2A-12	22389	Functional Bacteria for Phenanthrene Degradation in Petroleum-Contaminated soil during Nature Attenuation (NA) and Bioaugmentation (BA) Processes Revealed by DNA-Stable Isotope Probing	Liang, Jidong	Jidong Liang; Sha Gao; Man Zhang; Zijun Wu	Xi'an Jiaotong University	CN
2A-13	22449	Improvement of traditional investigations by prior geophysical measurements	Melvej, Anja	Helle Blæsbjerg ¹ ; Anja Melvej; Flemming Jørgensen; John Ryan	¹ Central Denmark Region	DK

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
2A-14	21617	Characterizing NAPL Conditions and Chemical Risks in Support of River Sediment Cleanup	Nielsen, Mark	Mark Nielsen ¹ ; Kim Groff ¹ ; Victor Magar ¹ ; Helen Fahy ²	¹ Ramboll; ² Fahy Associates	US
2A-15	22718	Innovative, multi technique investigation for residual NAPL presence in order to assess bedrock remediation at a site in Sweden	Nilsson, Patrik	Patrik Nilsson ¹ ; Jonas Bruzell ¹ ; Rogier De Waele ² ; Michela De Camillis ² ; Martin Slooijer ²	¹ Projektengagemang AB; ² GreenSoil International B.V.	SE
2A-16	21473	Use of innovative techniques to determinate volumes of contaminated sediments in Flanders	Ryken, Els	Els Ryken; Ward De Cooman; Nico Meyskens; Niels Billen	VMM (Vlaamse Milieumaatschappij - Flemish Environmental Agency)	BE
2A-17	21180	Application of decision unit multi-increment sampling (DUMIS) in performance evaluation of immobilization of a nickel and lead contaminated site: a case study in china	Song, Jing	Jing Song ¹ ; Roger Brewer ² ; Wei Tang ¹ ; Genyan Xu ¹ ; Xin Gao ¹ ; Juan Mao ¹ ; Yang Qian ¹	¹ Institute of Soil Science, Chinese Academy of Sciences; ² Hawaii Department of Health, USA	CN
2A-18	22376	37Cl- AND 13C-COMPOUND SPECIFIC ISOTOPE ANALYSIS AND BIOMOLECULAR TOOLS TO MONITOR CHLOROBENZENE BIODEGRADATION	Stella, Tatiana	Tatiana Stella ¹ ; Andrea Franzetti ¹ ; Francesca de Ferra ² ; Ilaria Pietrini ² ; Giovanna Carpani ² ; Orfan Shouakar-Stash ³ ; Ramon Aravena ⁴ ; Luca Alberti ⁵ ; Massimo Marchesi ⁵	¹ University of Milano-Bicocca, Italy; ² Decarbonization and Environmental R&D, Italy; ³ Isotope Tracer Technologies, Canada; ⁴ University of Waterloo, Canada; ⁵ Politecnico di Milano	IT
2A-19	21521	Chemical characteristics and toxic elemental release from excavated shale and its variation	Suzuki, Shoji	Shoji Suzuki ¹ ; Toshihiko Miura ² ; Kazuki Ide ² ; Kenichi Ito ³ ; Masahiko Katoh ¹	¹ Meiji University; ² Obayashi Corporation; ³ University of Miyazaki	JP
2A-20	22528	Enhanced data collection in the field: Onsite, high resolution VOC analysis in soil and ambient air during investigation and remediation of a chlorinated solvent contaminated site	Vansina, Wim	Wim Vansina ¹ ; Arnout Soumillion ¹ ; Yves Van den Bossche ² ; Pieter Buffel ³ ; Samuel Van Herreweghe ¹	¹ Witteveen+Bos Belgium NV; ² OVAM; ³ EnISSA	BE
2A-21	22497	Leaching characteristics of Fluorine and Boron from artificial and non-artificial contaminated soils using up-flow percolation test.	Yasutaka,Tetsuo	Tetsuo Yasutaka; Yukari Imoto	National Institute of Advanced Industrial Science and Technology	JP
2A-22	21491	LDPE passive samplers for assessing risks for groundwater related to hydrocarbons leaching from soil	Zingaretti, Daniela	Daniela Zingaretti ¹ ; Iason Verginelli ¹ ; Prof. Renato Baciocchi ¹ ; Raffaella Borrelli ² ; Alessandro Oldani ² ; Fabio Vago ² ; Luciano Zaninetta ³	¹ University of Rome Tor Vergata; ² eni s.p.a.; ³ Syndial	IT
2b. Analysis techniques						
2B-01	22419	Temperature and exposure history strongly influence gasoline ether oxygenate (ETBE) biodegradation in groundwater	Bonte, Matthijs	Emma Mallinson ¹ ; Henry Nicholls ¹ ; Mike Spence ² ; Stephen Rolfe ¹ ; Steven F. Thornton ¹ ; Matthijs Bonte ³	¹ University of Sheffield; ² Concawe; ³ Shell Global Solutions International BV	GB
2B-02	21399	An Innovative Technique to Evaluate Commingled Plumes and Assess Remedial Progress - A Case Study	Cox, Craig	Craig Cox	Cox-Colvin & Associates, Inc.	US
2B-03	22443	Development of a fast determination of PFAS as a sum parameter in soil and aqueous samples	Engelmeier, Sofia	Norbert Klaas; Sofia Engelmeier	Universität Stuttgart, Institut für Wasser- und Umweltsystemmodellierung, VEGAS	DE
2B-04	22300	Detailed Direct-Sensing Investigation of Contamination at an Old Landfill Site Brezinka	Knytl, Vladislav	Vladislav Knytl; Petr Dosoudil; Ondřej Lhotský	DEKONTA a.s., Volutová 2523, CZ-158 00, Prague 5, Czech Republic	CZ

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
2B-05	22500	Oil Spill Forensics: Polluter does (not) get away with it.	Laureys, Arnout	Arnout Laureys ¹ ; Luc De Ren ² ; Marc Van Ryckeghem ² ; Sven Herremans ²	¹ SGS; ² SGS Belgium NV	BE
2B-06	21667	XRF data as big data opportunitie	Schmeits, Jasper	Jasper Schmeits	Tauw bv	NL
2B-07	21681	Screening for 21 perfluorinated organic compounds in Czech wastewater treatment plants	Semerad, Jaroslav	Jaroslav Semerad; Nicolette Hatasova; Tomáš Cajthaml	Institute of Microbiology of the Czech Academy of Sciences	CZ
2B-08	21603	Development and implementation of a “rapid site-specific LNAPL screening protocol” at a former petrochemical cluster in Antwerp, Belgium	Van den Ouwelant, Jan	Jan Van den Ouwelant	AECOM Belgium BVBA	BE
2c. Soil-sediment-water interaction and system dynamics						
2C-01	21454	Cross pumping test applied to characterize the heterogeneity of hydraulic properties of a contaminated aquifer.	De Clercq, Théo	Théo De Clercq ¹ ; Abderrahim Jardani ² ; Laurent Thannberger ¹	¹ VALGO; ² CNRS - M2C	FR
2C-02	22365	Heavy metal binding behavior in sediments and suspended matter as a factor of water quality in the catchment area of the lower Lahn River (Germany) during an extremely low water period.	Hahn, Jens	Jens Hahn ¹ ; Laura Berresheim ¹ ; Virginia Zils ¹ ; Alexandra Brinke ² ; Wiebke Schoenenberg ¹ ; Christian Opp ³	¹ University of Koblenz-Landau; ² Federal Institute of Hydrology (BfG); ³ Philipps-University of Marburg	DE
2C-03	22534	Evaluation of the effect of soil properties and experimental parameters on cadmium sorption in soil using the multiple linear regression approach.	Imoto, Yukari	Yukari Imoto ¹ ; Tetsuo Yasutaka	¹ National Institute of Advanced Industrial Science and Technology	JP
2C-04	21453	Archaeology as a tool in soil studies	Janssens, David	David Janssens	ADEDE	BE
2C-05	21519	Re-release and phases of arsenic temporarily re-sorbed on excavated marine sedimentary rock under redox condition	Katoh, Masahiko	Masahiko Katoh; Akihide Kamata		JP
2C-06	21549	Role of perched aquifer in the fate of the contaminants: Case study	Kozubek, Petr	Petr Kozubek	ENACON s.r.o. and Charles University Prague	CZ
2C-07	21599	A geological approach to model and visualize contamination pathways; traditional modelling versus Environmental Sequence Stratigraphy (ESS)	Leys, William	Léon Voogd ¹ ; Johan Valstar ² ; William Leys ¹	¹ AECOM; ² Deltares, The Netherlands	BE
2C-08	22480	Resilient soil and water resources, understanding the water beneath your feet - in a changing climate	Melvej, Anja	Rolf Johnsen; Anja Melvej	Central Denmark Region	DK
2C-09	22328	Oxygenated polycyclic aromatic compounds (O-PACs) transfer in soil and groundwater - Experiments at the laboratory scale	MICHEL, Julien	Julien MICHEL ¹ ; Jue WANG ¹ ; Olivier BOUR ¹ ; Sophie DORGE ² ; Cécile JOYEUX ³ ; Didier Le Nouën ³ ; Gwenaëlle TROUVE ²	¹ INERIS; ² Université de Haute Alsace; ³ Université de Haute-Alsace, Université de Strasbourg	FR
2C-10	22575	Characterization of water flow in the unsaturated zone of vegetated lysimeters using stable water isotopes and modelling	Rein, Arno	Arno Rein; Fatemeh Shajari; Florian Einsiedl	Technical University of Munich	DE
2C-11	21261	Heavy metals in Technosols under different aquatic conditions - risk assessment for an former mining area in Hessen (Germany)	Weber, Collin J	Collin J Weber; Christian Opp	Philipps-Universität Marburg	DE
2d. Human and environmental health risk assessment						
2D-01	21530	METHODOLOGICAL APPROACH FOR THE PROTECTION OF WORKERS AT AN ACTIVE INDUSTRIAL CONTAMINATED SITE IN MANTUA (ITALY)	Beretta, Gabriele	Gabriele Beretta ¹ ; Serena Noli ² ; Sabrina Saponaro ¹ ; Elena Sezenna ¹	¹ Politecnico di Milano; ² Petroltecnica SpA	IT
2D-02	21571	Impact of mercury contamination at a chlor-alkali site on Apis mellifera and its products	CHALOT, Michel	Michel CHALOT ¹ ; Cyril ZAPPELINI ¹ ; David Cazaux ² ; Stéphane Pfendler ¹	¹ Université de Bourgogne Franche-Comté; ² INOVYN	FR

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
2D-03	21900	Mercury transfer in Solanaceae species	CHALOT, Michel	Michel CHALOT; Mohamad ASSAD	Université de Bourgogne Franche-Comté	FR
2D-04	21561	Assessment of the bioaccessibility of metals in soils through inhalation and ingestion pathway for human health risk assessment	Jubany, Irene	Irene Jubany ¹ ; Sandra Casas Garriga ¹ ; Neus Bahí ¹ ; Eva Schreck ² ; Jérôme Viers ² ; M. Teresa Condesso de Melo ³ ; Nuno Barreiras ³ ; Marilyne Soubrand ⁴ ; Matthias Monneron-Gyurits ⁴ ; Emmanuel Joussein ⁴	¹ Fundacio CTM Centre Tecnologic; ² Université de Toulouse, CNRS; ³ Instituto Superior Técnico – Universidade de Lisboa; ⁴ Université de Limoges	ES
2D-05	21639	Investigation and Risk Assessment of Chemical Plant Effluent Spill	Valle,Paulo	Jane Oakeshott ¹ ; Paulo Valle ²	¹ ERM UK; ² ERM nv	GB
Topic 3. Diffuse and emerging contaminants						
3a. Sampling and analysis of diffuse and emerging contaminants						
3A-01	21304	Dynamics of mikroplastic and interactions with heavy metals in floodplain soils – Conception of a project	Weber, Collin J	Collin J Weber	Philipps-Universität Marburg	DE
3A-02	22359	Ecological risk associated with persistent free radicals in contaminated soil	Zhang, Ying	Ying ZHANG ¹ ; Xi GUO; Ruixin YANG	¹ Dalian University of Technology	CN
3b. Risk assessment and strategies for prioritization and monitoring of diffuse and emerging contaminants						
3B-01	22563	PFAS site investigations at two airports in Norway	Christophersen, Mette	Liv Marit Honne ¹ ; Kristin Moeller Gabrielsen ¹ ; Dorte Harrekilde ¹ ; Mette Christophersen ²	¹ Ramboll; ² Rambøll Danmark A/S	DK
3B-02	21655	Pharmaceuticals: Critical or negligible?	Eccarius, Bernd	Bernd Eccarius	ERM GmbH	DE
3B-03	22567	PFAS Impacts on Solid Waste Landfills	Grieco, Scott	Scott Grieco; Alessandro Monteverdi	JACOBS	US
3B-04	22101	Addressing Challenges/Uncertainties in PFAS Risk Assessment	Kiefer, Ken	Ken Kiefer; Darren Reedy	ERM Australia	AU
3B-05	21509	THE USE OF RISK ASSESSMENT IN DEVELOPING REMEDIAL STRATEGIES FOR PFAS CONTAMINATION	Nadebaum, Peter	Peter Nadebaum	GHD Pty Ltd	AU
3c. Reactive interfaces: unsaturated zone, sediments and groundwater						
3C-01	22462	Occurrence of pesticides in groundwater in and around graveyards and pesticide biodegradation capacity of the corresponding topsoils	Geukens, Lana	Lana Geukens; Bram Verreydt ¹ ; Jan Walstra ² ; Bas van Wesemael ³ ; Vanessa M. A. Heyvaert ² ; Marijke Huysmans ⁴ ; Cas Neyens ⁴ ; Jérôme Schoonejans ³ ; Bertrand Leterme ⁵ ; Diederik Jacques ⁵ ; Erik Smolders ¹ ; Dirk Springael ¹	¹ KU Leuven; ² Royal Belgian Institute of Natural Sciences; ³ UCL; ⁴ VUB; ⁵ SCK-CEN	BE
3C-02	21653	RESPONSE project: Reactive transport modelling of point source contamination in soils and groundwater	Leterme, Bertrand	Bertrand Leterme ¹ ; Lana Geukens ² ; Diederik Jacques ¹ ; Vanessa M. A. Heyvaert ³ ; Marijke Huysmans ⁴ ; Cas Neyens ⁴ ; Jérôme Schoonejans ⁵ ; Erik Smolders ² ; Dirk Springael ² ; Bas van Wesemael ⁶ ; Jan Walstra ³	¹ SCK•CEN; ² KU Leuven; ³ Royal Belgian Institute of Natural Sciences; ⁴ Vrije Universiteit Brussel; ⁵ Service Pédologique de Belgique asbl; ⁶ Université catholique de Louvain	BE

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
3d. Policy strategies and governance of diffuse and contaminants of emerging concern						
3D-01	22764	The evolution of global regulation for per- and poly-fluorinated alkyl substances (PFAS)	Hermes, Nanda	Nanda Hermes; Andrea Herch; Jennifer Byrd	ERM	BE
3D-02	22016	POLLUSOLS: diffuse contamination from land to sea	LE GUERN, Cécile	Cécile LE GUERN ¹ ; Béatrice BECHET ² ; Chloé Besnard ³ ; Sophie BRETESCHE ⁴ ; Nicolas BRIANT ⁵ ; Ghazlane FLEURY ³ ; Liliane JEAN-SORO ² ; Joël KNOERY ⁵ ; Alexandra LEPINAY ³ ; Gilles MONTAVON ⁴ ; Oscar NAVARRO CARRASCAL ³ ; Béatrice PLOTTU ⁶ ; Marjorie TENDERO ⁶ ; Thierry LEBEAU ³	¹ BRGM; ² IFSTTAR -IRSTV; ³ Université de Nantes; ⁴ IMT Atlantique; ⁵ IFREMER; ⁶ Agrocampus Ouest	FR
3D-03	21418	Knowledge Impulse for Dutch Delta Approach for Water Quality	Passier, Hilde F.	Hilde F. Passier ¹ ; Jappe Beekman ² ; Laurens Hessels ³ ; Peter Schipper ⁴	¹ Deltares, NL; ² RIVM, NL; ³ KWR, NL; ⁴ WEnR, NL	NL
3D-04	21478	Treatability of PFAS in soil and groundwater: results of bench-scale tests and full scale experience	Suy, Karina	Karina Suy ¹ ; Diederik Valcke ¹ ; Stefan Vanhille ¹ ; Johan Gemoets ²	¹ Mourik n.v.; ² VITO	BE
3D-05	22487	The ENSOr stakeholder platform -Emerging policy challenges on New SOil contaminants	Van Looy, Kris	Kris Van Looy ¹ ; Johan Ceenaeme ¹ ; Nele Bal ² ; Griet Van Gestel ¹	¹ OVAM - Flemish Waste Agency; ² OVAM - Public Waste Agency of Flanders	BE
Topic 4. Advances in remediation technologies						
4a. Bio-, nano-, and chemical remediation						
4A-01	22522	The rate of Lindane biodegradation in different constructed wetlands.	Amirbekov, Aday	Aday Amirbekov; Roman Spanek; Pavel Hrabák; Alena Sevcu	Technical University of Liberec	CZ
4A-02	21327	Enhanced Reductive Dechlorination Pilot Test: importance of the preliminary investigations to improve the design of the intervention	Avogadri, Matteo	Matteo Avogadri ¹ ; Alessandro Botti; Aldo Trezzi; Riccardo Asnaghi	¹ Ramboll Italy S.r.l.	IT
4A-03	21583	Dual C-Cl isotopic assessment to elucidate origin, fate, and potential bioremediation treatment of chlorinated methanes at two industrial multi-contaminated aquifers	Blázquez-Pallí, Natàlia	Natàlia Blázquez-Pallí ¹ ; Orfan Shouakar-Stash ² ; Jordi Palau ³ ; Alba Trueba-Santiso ⁴ ; Joan Varias ¹ ; Marçal Bosch ¹ ; Albert Soler ³ ; Teresa Vicent ⁴ ; Ernest Marco-Urrea ⁴ ; Mònica Rosell ³	¹ Litoclean; ² Isotope Tracer Technologies Inc.; ³ Universitat de Barcelona; ⁴ Universitat Autònoma de Barcelona	ES
4A-04	22510	Composting of wastewater treatment sludge containing various new emerging pollutants	Cajthaml, Tomáš	Tomáš Cajthaml ¹ ; Klára Michalíková ¹ ; Lucie Linhartová ¹ ; Petra Kočí ² ; Ondřej Lhotský ³	¹ Czech Academy of Sciences; ² Charles University; ³ DEKONTA a.s.	CZ
4A-05	21202	Organo-layered double hydroxides nanoparticles as sorbents for chlorinated hydrocarbons in natural systems: sorption capacity and long-term stability studies	de Linaje, Virginia Alonso	Virginia Alonso de Linaje ¹ ; Marco Mangayayam ² ; Amaya Sayas ³ ; Vicente Rives ⁴ ; Ruben Espinosa ⁵ ; Dominique Jeanette Tobler ² ; Kim N. Dalby ² ; Nicolas Bovet ²	¹ AECOM/University of Salamanca; ² University of Copenhagen; ³ AECOM; ⁴ University of Salamanca; ⁵ AECOM Australia	ES

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4A-06	22488	Nanoremediation of chlordecone polluted soils	Diez-Pascual, Sergio	M Gil-Diaz ¹ ; Sergio Diez-Pascual ¹ ; H Macarie ² ; S Bristeau ³ ; M.C. Lobo ¹	¹ IMIDRA; ² IRD, Aix Marseille Univ, Avignon Université, CNRS, IMBE; ³ BRGM, Laboratories Division	ES
4A-07	22496	Coupling bioremediation-chemical oxidation for TPHs removal from industrial soils	Diez-Pascual, Sergio	P Pinilla; M Gil-Diaz; P Garcia-Gonzalo; M.C. Lobo; Sergio Diez-Pascual	IMIDRA	ES
4A-08	21660	Remediation of Soil polluted with Lindane Wastes by Using Persulfate Activated by Alkali: Kinetic Model Discrimination	Garcia, Raul	Raul Garcia; Aurora Santos; David Lorenzo; Arturo Romero	Universidad Complutense de Madrid	ES
4A-09	21663	Multi-dimensional (carbon and chlorine) stable isotope analysis for the assessment of chlorinated compounds remediation	Herrero Martín, Sara	Sara Herrero Martín; Clara Torrentó; Mònica Rosell; Jordi Palau; Cristina Domènech; Raúl Carrey; Manuela Barbieri; Neus Otero; Albert Soler	Grup MAiMA-University of Barcelona	ES
4A-10	21600	Two in situ remediation innovations: (1) Wide distribution micro-scale colloidal zero valent iron and (2) Source-area petroleum hydrocarbon retardation and degradation	Leonard, Gareth	Gareth Leonard ¹ ; Kristen Thoreson ²	¹ REGENESIS UK Ltd; ² REGENESIS Inc.	IE
4A-11	22402	Microbial degradation assessment of phenanthrene in soil by compound specific stable isotope analysis(CSIA) and molecular biological analysis(MBA)	Liang, Jidong	Man Zhang; Jidong Liang; Sha Gao; Zijun Wu	Xi'an Jiaotong University	CN
4A-12	21532	Soil remediation of a Chloride contaminated site in Nangtong, China, using Electro-Reclamation	Lobs, Art	Art Lobs; Edward Van de Ven; Xue Fei	Verhoeve Milieu & Water	BE
4A-13	21611	LAB SCALE MICRO AND NANO ZVI REMEDIATION OF GROUNDWATER POLLUTED WITH HIGHLY CONCENTRATED ORGANOCHLORIDES.	Martí, Vicenç	David Ribas ¹ ; Irene Jubany ¹ ; Vicenç Martí ²	¹ Fundació CTM, Centre Tecnòlogic; ² Technical University of Catalonia (UPC)	ES
4A-14	21584	Endocrine disruption potential of widely used antimicrobial compounds revealed. Can they be biodegraded?	Michalikova, Klara	Klara Michalikova; Lucie Linhartova; Martin Ezechias; Tomáš Cajthaml	Institute of Microbiology of the Czech Academy of Sciences	CZ
4A-15	21582	Influence of Sulfate Reduction and Biogenic Reactive Minerals on Long-Term PRB Performance in a Sulfate Rich, High Flow Aquifer	Mueller, Mike	Josephine Molin; John Valkenburg	PeroxyChem Environmental Solutions	AT
4A-16	22554	Mycoremediation of polluted soils with enzymatic systems from genus Pleurotus	Nägele, Norbert	Begoña Mayans ¹ ; Enrique Eymar ¹ ; Norbert Nägele ²	¹ University Autonoma of Madrid; ² KEPLER INGENIERÍA Y ECOGESTIÓN, S.L.	ES
4A-17	21970	Clean-up of an Israeli Site Contaminated with Petroleum Hydrocarbons – Case Study	Najmanova, Petra	Petra Najmanova ¹ ; Petra Innemanova ¹ ; Yair Lavi ² ; Itay Keret ²	¹ DEKONTA, a.s.; ² NEGEV ECOLOGY	CZ
4A-18	21767	Intelligent integration of innovative geotechnical and environmental solutions enables site redevelopment and protects sensitive off-site receptor from petroleum hydrocarbons	Plimmer, Mike	Mike Plimmer ¹ ; Gareth Leonard ²	¹ GEA Ltd; ² REGENESIS	IE
4A-19	21405	The removal of PCBs from contaminated water using spent oyster mushroom substrate	Šrédlová, Kamila	Kamila Šrédlová ¹ ; Pavel Mašín ² ; Alena Filipová ¹ ; Zdena Škrob ¹ ; Tomáš Cajthaml ¹	¹ Academy of Sciences of the Czech Republic; ² DEKONTA, Czech Republic	CZ
4A-20	21554	Fixed-bed column studies for the biosorption of Methylene blue onto banana peels	Stavrinou, Anastasia	Anastasia Stavrinou; Christos Aggelopoulos; Christos Tsakiroglou	FORTH/ICE-HT	GR
4A-21	21178	Superoxide radical as a green reagent and an ultimate solution for soil and water contamination	Stoin, Uri	Uri Stoin ¹ ; Prof. Yoel Sasson ²	¹ Alpha Cleantec; ² The Hebrew University of Jerusalem	CH

rejected!

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4A-22	21340	Structural insights into how sulfidation of zerovalent iron enhance reactivity and long-term performance	Tobler, Dominique Jeanette	Dominique Jeanette Tobler ¹ ; Marco Mangayayam ¹ ; Knud Dideriksen ¹ ; Marcel Ceccato ²	¹ University of Copenhagen; ² Aarhus University	DK
4A-23	21527	Ramboll and GreenSoil unlock development potential of a chlorinated solvent impacted land, using enhanced bioremediation techniques	Van Buggenhout, Steven	Steven Van Buggenhout¹; Rogier De Waele; Geert De Buysscher; Michela De Camillis; Martin Slooijer	¹Ramboll	BE
4A-24	22147	Sustainability as a Key Driver in Selecting a Site Remedial Strategy: Installing a Reactive Zone to Mitigate Off-Site Migration	Verbeeck, Mattias	Mattias Verbeeck ¹ ; MSc. Paulo Valle ¹ ; Cécile Rao ¹ ; Dirk Nuyens ²	¹ ERM BeNe; ² ERM France	BE
4A-25	22928	Application of combined LDH-biochar derived from waste materials for mine water remediation: A case study from Slovakia	Veselská, Veronika	Veronika Veselská ¹ ; P. Lacina ² ; H. Šillerová ¹ ; F. Šmat ¹ ; B. Hudcová ¹ ; L. Trakal ¹ ; Ľ. Jurkovič ³ ; P. Šottník ³	¹ Czech University of Life Sciences Prague; ² University of Life Sciences Prague; ³ Comenius University	CZ
4A-26	22821	New insights into biostimulation of highly dichloromethane-polluted sites: from the lab to the field	Viñas, Marc	Viñas, M.1, 1Guivernau, M., 1Prenafeta-Boldú, F.X., 2Vallecillo, M.A.,	¹ IRTA, Spain; ² ERM, Spain	ES
4A-27	29427	Planning of a Nano Remediation: From Mobility and Reactivity Tests to Field Application	Wiener, Anke	Anke Wiener ¹ ; Juergen Braun ¹ ; Norbert Klaas	Universität Stuttgart	DE
4A-28	21445	Planning of a Nano Remediation: From Mobility Tests to Field Application	Wiener, Anke	Anke Wiener; Juergen Braun; Norbert Klaas	Universität Stuttgart	DE
4A-29	21446	Planning of a Nano Remediation: From Reactivity Tests to Field Application	Wiener, Anke	Anke Wiener; Juergen Braun; Norbert Klaas	Universität Stuttgart	DE
4A-30	21651	Post-treatment monitoring: an essential tool to highlight and react to unexpected evolution of pollutant concentrations	Wildemeersch, Samuel	Samuel Wildemeersch; Maud Le Bel	Spaque	BE
4b. Physical, thermal and stabilization techniques						
4B-01	21648	Evaluation of surfactant as useful tool for groundwater remediation	Amanat, Neda	Neda Amanat; Marta M. Rossi; Marco Petrangeli Papini	University of Rome "La Sapienza"	IT
4B-02	21129	Sustainable Combination Heating: An Innovative Approach for In Situ Thermal Remediation in Challenging Lithology	Baldock, James	James Baldock; Klaus Schnell; Jay Dablow	ERM	GB
4B-03	21606	Lab-scale thermodesorption tests used to estimate the evolution of available aliphatic hydrocarbons in contaminated soils during pilot-scale remediation experiments	Biache, Coralie	Coralie Biache ¹ ; Pierre Faure ¹ ; Catherine Lorgeoux ² ; Anouk Barrere ³ ; Sébastien Kaskassian ³	¹ CNRS, Université de Lorraine; ² Université de Lorraine, GeoRessources; ³ Tauw France SAS	FR
4B-04	21535	Past, current and new application for removal of acid tar pits from contaminated land	Bohers, Anna	Anna Bohers ¹ ; Emília Hroncová ² ; Jozef Martinka ³ ; Steve Leroi ⁴	¹ Matej Bel University; ² European Science and Research Institute; ³ Slovak Technical University; ⁴ Independent consultant	SK
4B-05	22584	Upscaling in soil remediation: Multi-scale two-phase flow modelling in high permeable aquifers	Cochennec, Maxime	Maxime Cochennec		FR
4B-06	22317	Thermal Conductive Heating (TCH): Comparison of power consumption to heat the soil between electrical resistance heating and gas fired burners	de Grunne, Jonathan	Jonathan de Grunne	Haemers Technologies	BE

rejected!

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4B-07	22551	Biochar - from organic waste to resource for treatment of contaminated soil	Enell, Anja	Anja Enell; Maria Larsson ¹ ; Ludvig Landen ² ; Peter Flyhammar ³ ; Yvonne Ohlsson ³ ; Sigrun Dahlin ⁴ ; Sara Hallin ⁴ ; Christopher Jones ⁴ ; Cecilia Sundberg ⁵ ; Elias Azzi ⁵ ; Elin Norberg ⁴ ; Dan Berggren Kleja ⁶	¹ Örebro University; ² NSR-AB; ³ Swedish Geotechnical Institute; ⁴ Swedish University of Agricultural Sciences; ⁵ KTH, Royal Institute of Technology; ⁶ Swedish University of Agricultural Sciences (SLU) / Swedish Geotechnical Institute (SGI)	SE
4B-08	21662	Solubilization of Dense Non Aqueous Phase Liquids produced as Lindane Wastes using Non-Ionic Surfactants	Garcia-Cervilla, Raul	Raul Garcia-Cervilla; Arturo Romero; David Lorenzo; Aurora Santos	Universidad Complutense de Madrid	ES
4B-09	22433	Between caravans and boreholes - Challenges of performing in-situ remediation on a camping site in the Black Forest, Germany	Grill, Petra	Petra Grill ¹ ; Markus Kampschulte ¹ ; Hans-Peter Koschitzky ² ; Oliver Trötschler ²	¹ CDM Smith Consult GmbH; ² Universität Stuttgart, Institut für Wasser- und Umweltsystemmodellierung, VEGAS	DE
4B-10	22465	Electrical Resistance Heating (ERH) remediation at an active industrial site	Jones, Kenneth	Kenneth Jones ¹ ; Marie Debackere ² ; Robert Shofstall ² ; James Baldock ³ ; Martin Ohsé ⁴	¹ ERM nv; ² ERM France; ³ ERM UK; ⁴ ERM BeNe	BE
4B-11	21546	Toward the development of photo-reactors for the efficient treatment of water polluted with dyes	Karavasilis, Michael	Michael Karavasilis ¹ ; Christos Aggelopoulos ¹ ; Christos Tsakiroglou ¹ ; Alexandros Barnasas ² ; Panagiotis Pouloupoulos ²	¹ FORTH/ICE-HT; ² University of Patras	GR
4B-12	21467	Efficiency Assessment of Immobilization Measures for PFAS in Soil	Klaas, Norbert	Norbert Klaas ¹ ; Juergen Braun ¹ ; Claus Haslauer ¹ ; Sofia Engelmeier ¹ ; Marco Scheurer ² ; Frank Thomas Lange ²	¹ University of Stuttgart; ² TZW: DVGW-Technologiezentrum Wasser	DE
4B-13	21595	In situ remediation of PFAS using Colloidal Activated Carbon: A review of multiple case studies	Leonard, Gareth	Gareth Leonard ¹ ; Rick McGregor ² ; Kristen Thoreson ³ ; Maureen Dooley ³	¹ REGENESIS UK Ltd; ² ISRL; ³ REGENESIS Inc.	IE
4B-14	22561	ERH experience in Europe, the added value of the consultant	Leys, William	William Leys	AECOM	BE
4B-15	21476	MODELLING ADSORPTION OF BINARY MIXTURES OF VOLATILE ORGANIC COMPOUNDS (VOCs) ONTO ACTIVATED CARBON FROM CONTAMINATED GROUNDWATER TREATMENT EMISSIONS	Martí, Vicenç	Vicenç Martí ¹ ; Elena Piedra ¹ ; Irene Jubany ² ; Neus Bahí ³ ; Montse Calderer ³ ; Francesco Caridei ⁴ ; Claudia Mosangini ⁴	¹ Technical University of Catalonia (UPC); ² Fundació CTM, Centre Tecnològic; ³ Fundació CTM, Centre Tecnològic; ⁴ Ecosurvey®	ES
4B-16	21820	In Situ Geochemical Stabilization (ISGS) for NAPL Management	Mueller, Mike	Fayaz Lakhwala; Mike Mueller	PeroxyChem Environmental Solutions	AT
4B-17	21506	In-Situ Metal Precipitation of a nickel groundwater contamination. Results of a comparative lab study on the immobilization of nickel using a carbon source and a permanganate solution.	Paulus, Dirk -	Dirk Paulus	Tauw Belgium	BE

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4B-18	21885	Elimination of threat to one of Scandinavia's largest groundwater resources	Ploug, Niels	Jesper Holm ¹ ; Niels Ploug ¹ ; Adis Dzafic ² ; Elin Remstam ³ ; Peter Anderson ³ ; Anders Bank ⁴ ; Hanna Lindvall ⁵	¹ Krüger A/S; ² Veolia - Sweden; ³ Municipality of Kristianstad; ⁴ Structor Miljö Väst AB; ⁵ Tyréns AB	DK
4B-19	21637	Adsorption of contaminants onto a char obtained by pyrolysis of used tyres and rubber wastes: a possible low-cost alternative in the groundwater technologies	Rossi, Marta M.	Marta M. Rossi ¹ ; Neda Amanat ¹ ; Violetta S. Kusheeva ² ; Sergei V. Ostakh ² ; Anatoly I. Masalevich ³ ; Maria Luisa Astolfi ¹ ; Ludovica Silvani ⁴ ; Marco Petrangeli Papini ¹	¹ University of Rome "La Sapienza"; ² Gubkin Russian State University of Oil and Gas; ³ Waste management agency "Mercury safety"; ⁴ Norwegian Geotechnical Institute (NGI)	IT
4B-20	21647	Can Biochar be used as a cost-effective sorbent for groundwater remediation?	Rossi, Marta M.	Marta M. Rossi ¹ ; Neda Amanat ¹ ; Gloria Arduini ¹ ; Maria Luisa Astolfi ¹ ; Ida Pettiti ¹ ; Ludovica Silvani ² ; Marco Petrangeli Papini ¹	¹ University of Rome "La Sapienza"; ² Norwegian Geotechnical Institute (NGI)	IT
4B-21	21572	In Situ Stabilization and Solidification (ISS) Optimized: Benefits of Adding Sodium Persulfate	Smith, Brant	Mike Mueller; Brant Smith	PeroxyChem Environmental Solutions	AT
4B-22	22313	Sustainable Remediation of Diesel-Contaminated Soil by Low-Temperature Thermal Desorption	Song, Xin	Xin Song ¹ ; Jiaqiang Ren ²	¹ Institute of Soil Science, Chinese Academy of Sciences; ² Institute of Soil Science, Chinese Academy of Sciences; ² University of Chinese Academy of Sciences	CN
4B-23	22535	THERMALLY ENHANCED IN-SITU REMEDIATION USING STEAM-AIR INJECTION – 20 YEARS OF REMEDIATION EXPERIENCE AND IMPROVEMENT OF THE “DLI-DESIGN-TOOL”	Trötschler, Oliver	Oliver Trötschler ¹ ; Hans-Peter Koschitzky ² ; Claus Haslauer ²	¹ University of Stuttgart; ² Universität Stuttgart, Institut für Wasser- und Umweltsystemmodellierung	DE
4B-24	22540	THERMALLY ENHANCED IN-SITU REMEDIATION USING STEAM-AIR INJECTION – BACKGROUND AND IMPROVEMENTS OF THE “DLI-DESIGN-TOOL” SOFTWARE FOR REMEDIAL DESIGN	Trötschler, Oliver	Oliver Trötschler; Wilis Awandu; Hans-Peter Koschitzky; Claus Haslauer	Universität Stuttgart, Institut für Wasser- und Umweltsystemmodellierung	DE
4B-25	21748	IN-SITU ZINC PRECIPITATION USING INORGANIC SULPHIDES	Van Look, Dirk	Dirk Van Look	RSK Benelux	BE
4B-26	22353	Analysis of Work Coil Dynamics for Induction Heating Applications	Winder, Brent	Edwin Reid; David Nyarko; Shiella Delos Reyes; John La Chance	McMillan-McGee Corp.	CA
4c. Combined treatment technologies and technology trains						
4C-01	21665	Enhanced magnetic separation with Fe-Ni nanoparticles: A novel tool for soil washing	Baragaño, D.	D. Baragaño ¹ ; Juan María Menéndez-Aguado ¹ ; María A. Marina ² ; Carlos Boente ¹ ; Carlos Sierra ³ ; José Luis R. Gallego ¹	¹ University of Oviedo; ² ITMA Materials Technology; ³ University of León	ES
4C-02	22533	In Situ and On Site Bioremediation of MTBE	Bastiaens, Leen	Leen Bastiaens ¹ ; John Dijk ² ; Jan van den Boogaart ² ; Martin Slooijer ²	¹ VITO NV; ² GreenSoil International B.V.	NL
4C-03	20631	Remediation of low-permeability soils by an innovative technology-train	Beretta, Gabriele	Gabriele Beretta; Anna Galbiati; Anna Legnani; Andrea Filippo Mastorgio; Lisa Pedrali; Sabrina Saponaro; Elena Sezenna	Politecnico di Milano	IT

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4C-04	21618	Remediation of TCE contaminated groundwater in low permeability media using Targeted Solids Emplacement at the former "Atlas 12" U.S. Air Force Site	Bures, Gordon	Gordon Bures ¹ ; Jennifer Weidhaas ²	¹ Sensatec GmbH; ² University of Utah	DE
4C-05	22566	Remediation of a jet fuel contaminated aquifer through enhanced chemical desorption	Ciampi, Paolo	Paolo Ciampi ¹ ; Carlo Esposito; Paola Gorla; Marcello Carboni; Paolo Rizzetto; Marco Petrangeli Papini	¹ Sapienza University of Rome	IT
4C-06	21400	Successful Closure of a DNAPL Site - Lessons Learned	Cox, Craig	Craig Cox	Cox-Colvin & Associates, Inc.	US
4C-07	22238	Air Treatment Methods as Possible Alternatives to Activated Carbon	De Camillis, Michela	Michela De Camillis; John Dijk; Rogier De Waele; Martin Slooijer	GreenSoil International B.V.	NL
4C-08	22239	Biological alternatives to conventional activated carbon or catox air treatment	De Camillis, Michela	Michela De Camillis; Rogier De Waele; John Dijk; Martin Slooijer	GreenSoil International B.V.	NL
4C-09	21580	THE LIFE+ SURFING PROYECT: SURFACTANT ENHANCED CHEMICAL OXIDATION FOR REMEDIATION DNAPL	Fernández, Jesús	Jesús Fernández ¹ ; Aurora Santos ² ; Klaas Norbert ³ ; John Vijgen ⁴ ; Pedro de Miguel ⁵	¹ Gobierno de Aragón; ² Universidad Complutense de Madrid; ³ University of Stuttgart; ⁴ IHPA; ⁵ SARGA	ES
4C-10	21587	THE LIFE+ SURFING PROYECT: ON SITE TREATMET FOR RECOVERY SURFACTANT AN ELIMINATE COPs IN DNAPL REMEDIATION	Fernández, Jesús	Jesús Fernández ¹ ; Aurora Santos; Jorge Gómez; Elena Cano; Eduardo Calleja	¹ Gobierno de Aragón	ES
4C-11	21224	MODELING THE PHOSPHATE DYNAMICS DURING ELECTROCOAGULATION PROCESS WITH ALUMINUM ELECTRODES	Halkijevic, Ivan	Ivan Halkijevic; Goran Loncar; Hana Posavcic; Drazen Vouk	Faculty of Civil Engineering, University of Zagreb	HR
4C-12	22597	Surfactant Enhanced Remedation (SER) for In-situ Soil and Groundwater Remediation of Petroleum and Chlorinated NAPL Impacts At Brownfield Sites In Belgium	Heernaert, Glenn	Glenn Heernaert	TerraCorrec bvba-sprl	CA
4C-13	22600	Surfactant Enhanced Recovery of Separate-Phase Petroleum Hydrocarbons	Ivey, George (Bud)	George (Bud) Ivey; George (Bud) Ivey	Ivey International Inc.	CA
4C-14	21654	Frac-In: Development and Pilot Testing of a Technology for Combined Direct Push and Fracturing of Contaminated Soil	Kukačka, Jan	Jan Kukačka ¹ ; Ondrej Lhotsky ¹ ; Jan Slunsky ² ; Jan De Vos ³ ; David Simpson ⁴ ; Dries Goorts ³ ; Hans Jacobs ⁵	¹ DEKONTA, a.s.; ² NANO IRON, s.r.o.; ³ ABO nv; ⁴ AGT nv; ⁵ Geosonda Belgium	CZ
4C-15	21498	Successful Transition from Ex Situ to In Situ Remediation for CVOC-Impacted Groundwater	Nodin, Thibault	Thibault Nodin; Mike Perlmutter; Jim Day; Mauricio L. V. Cavalin	JACOBS	FR
4C-16	21628	Phased Remedial Approach Following the BATNEEC Principle to Address Off-Site Migration Risks	Ohsé, Martin	Martin Ohsé ¹ ; Paulo Valle ¹ ; Olga Vounaki ² ; Laurent Crucifix ¹	¹ ERM BeNe; ² ERM	BE
4C-17	21643	Targeting 95% reuse: onsite ex-situ washing of multi-contaminated soils - from pilot testing to full-scale remediation	Pannett, Matthew	Thomas Perrier ¹ ; Adrien Monso ¹ ; Matthew Pannett ²	¹ Ramboll France; ² Ramboll Environment & Health	FR
4C-18	21349	THE TARANTO PROJECT: MAINTENANCE DREDGING OF DISCHARGE CANALS OF A STEEL MILL AND INNOVATIVE IN-LINE PROCESSING OF RUN-OFF SEDIMENTS.	Pensaert, Stany	Stany Pensaert ¹ ; Xavier Lepère	¹ DEME Environmental Contractors	BE
4C-19	22586	HYdrometallurgy and Phytomanagement Approaches for Steel Slag management	Pereira, Fernando	Fernando Pereira	Mines Saint-Etienne	FR
4C-20	21657	Post-Treatment of Aqueous Solution containing Surfactant and Chlorinated Organic Compounds from Lindane wastes.	Santos, Aurora	Aurora Santos; Raul Garcia-Cervilla; Carmen Maria Dominguez; David Lorenzo; Arturo Romero	Universidad Complutense de Madrid	ES

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
4C-21	21656	Integrated remediation - redevelopment of contaminated sites: the ISCO-SS soil mixing technology	Schifano, Vito	Vito Schifano; Lorenz San Nicolò	Ladurner Bonifiche S.r.l.	IT
4C-22	21585	Full-scale remediation of a large groundwater pollution of trichloroethene: a combination of biobarriers and hydraulic containment	Seurinck, Sylvie	Sylvie Seurinck ¹ ; Youri Mertens ² ; Beatrijs Lambié ¹	¹ ANTEA Belgium; ² OVAM - Flemish Waste Agency	BE
4C-23	22464	Biological Anaerobic Degradation of VOCs Combined with Recirculated Groundwater Heating	Slooijer, Martin	Martin Slooijer; Rogier De Waele; Michela De Camillis; Remi Peters; John Dijk	GreenSoil International B.V.	NL
4C-25	22529	Cyclic bioremediation of a heavily impacted Xylene site in Westerlo (BE) – 100% on site biological treatment of soil, groundwater and soil vapor	Van Camp, Marijke	Marijke Van Camp ¹ ; Stefan Bangels ¹ ; Michela De Camillis ² ; Rogier De Waele ² ; Martin Slooijer ²	¹ RSK Benelux Bvba; ² GreenSoil International B.V.	NL
4C-26	21345	Remediation of soil and acid tar at a former refinery in Valloy Norway	Van De Steene, Joke	Stany Pensaert ¹ ; Joke Van De Steene ¹ ; Hendrik Nollet	¹ DEME Environmental Contractors	BE
4d. Phytoremediation and ecological engineering and nature-based solutions						
4D-01	21596	Phytoremediation and mycoremediation of contaminated land at industrial scale: a complete toolkit for nature-based solutions	Bastin, Olivier	Olivier BASTIN ¹ ; MSc. Yann THOMAS ²	¹ NATUREM SOLUTIONS; ² MICROHUMUS	BE
4D-02	21401	Biocascade: The next generation of sustainable purification of polder water and post-purification of WWTPs	Cusell, Casper	Casper Cusell ¹ ; Piet-Jan Westendorp ²	¹ Witteveen+Bos; ² Research Centre B-WARE	NL
4D-03	22463	Global approach to recover rare earth elements from mine tailings by an hyperaccumulating plant	Jally, Bastien	Baptiste Laubie ¹ ; Zeinab Chour ¹ ; Bastien Jally ¹ ; Ye-Tao Tang ² ; Rongliang Qiu ² ; Jean Louis Morel ³ ; Laurence Muhr ¹ ; Marie-Odile Simonnot ¹	¹ CNRS, Université de Lorraine; ² Sun Yat-Sen University; ³ Université de Lorraine / Laboratoire Sols et Environnement	FR
4D-04	22017	Nature Based Solutions to manage the soil contamination of urban allotment gardens: examples from Nantes (France)	Le Guern, Cécile	Cécile LE GUERN ¹ ; Liliane JEAN-SORO ² ; Béatrice BECHET ² ; Thierry LEBEAU ³ ; Dorine BOUQUET ³	¹ BRGM; ² IFSTTAR -IRSTV; ³ Université de Nantes	FR
4D-05	21919	Efficiency of Phytosuc-separation System (PSS) for Simultaneous Removal Pb and Sb at Shooting Range Soil	Sato, Takeshi	Takeshi Sato ¹ ; Uzami Hamzah ¹ ; Wan Zhimin ¹ ; Masahiko Katoh ²	¹ Gifu University; ² Meiji University	JP
4e. Post-treatment monitoring in relation to long term site management						
4E-01	21296	Demonstration to Support Approval of Monitored Natural Attenuation Remedy for a 1,1-DCE plume in Fractured Limestone	Boysun, Melissa	Melissa Boysun ¹ ; Alicia Fogg ² ; Kelsey Berger ² ; Mitch Zimmerman ² ; Maureen Leahy ²	¹ ERM Swiss; ² Environmental Resources Management	CH
4E-02	21259	Application of CSIA on Evaluating In Situ Bioremediation Effectiveness of Chlorinated Ethenes	Li, Chia-Pei	Chia-Pei Li; Hsin-Lan Hsu	Industrial Technology Research Institute	TW
4E-03	20373	Mass Discharge for Vapor Intrusion Site Assessment and Vapor Intrusion Mitigation System Analysis	Loll, Per	Per Loll	DMR A/S	DK
4E-04	21410	Transfer of Hg within a sediment-nettle-insect food web at a chlor-alkali landfill	CHALOT, Michel	Loïc YUNG; Coralie BERTHEAU; Michel CHALOT	UMR 6249 Chrono-Environnement	FR
Topic 5. Strategies and management of contaminated land incl. legal, social and econ. Aspects						
5a. Legal and economic aspects of the management of contaminated land						

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
5A-01	21505	Application of environmental forensic investigations to define the allocation of liabilities in insurance claims	Fracchiolla, Domenico	Domenico Fracchiolla	Ramboll Italy S.r.l.	IT
5b. Remediation goals and strategies						
5B-01	21316	UNDERSTANDING POTENTIALLY TOXIC ELEMENT MOBILITY AS A FIRST STEP TOWARD REMEDIATION AND RESTORATION OF LAND OCCUPIED WITH COPPER MINE TAILINGS.	Chisala, Precious	Precious Chisala ¹ ; Christine Switzer ²	¹ University of Strathclyde; ² University of Strathclyde, Glasgow	GB
5B-02	21636	Remediation Goals and Moving Goal Posts	Eudall, Jonathan	Jonathan Eudall	Ramboll	GB
5B-03	21586	Remediation of Chlorinated Ethenes via ISCR in a Fractured Bedrock Aquifer at a Redevelopment Site	Leigh, Daniel	Fayaz Lakhwala ¹ ; Mike Merinery ² ; Ronald Harwood ²	¹ PeroxyChem Environmental Solutions; ² Excel Environmental Resources, Inc.	AT
5B-04	21538	ISCR-based Remediation of Herbicide/Pesticide-impacted Soils in Canada, China, Colombia, Sweden, and the United States: 22 Years of Success and Surprises	Müller, Mike	Alan Seech ¹ ; Todd Slater ²	¹ PeroxyChem Environmental Solutions; ² Retia LLC	AT
5B-05	22316	Urban Soil Remediation: In Situ Thermal Desorption under a building, in the centre of Brussels	Saadaoui, Hatem	Hatem Saadaoui	Haemers Technologies	BE
5B-06	22469	Treating contamination through Nanoremediation: the TANIA project	Simonnot, Marie-Odile	Marie-Odile Simonnot ¹ ; Noele Enjelvin ² ; Carine Vuidel; Kakou KOUMCHANE; Jean Louis Morel	¹ Université de Lorraine - CNRS; ² Université de Lorraine - INRA	FR
5B-07	21303	The ISO 18504 Standard on Sustainable Remediation	Smith, Jonathan	Jonathan Smith	Shell Global Solutions (UK) Ltd	NL
5c. Sustain. and socio-ec. evaluation & public perception related to remediation						
5C-01	22530	A Trial of Sustainable Remediation by SuRF-Japan	Furukawa, Yasuhide	Yasuhide Furukawa	Takenaka corporation	JP
5C-02	21512	Stakeholder engagement: Environmental and Social Impact Assessment vs Sustainable Remediation projects: comparison and benchmarking from case studies	Iosia, Andrea	Andrea Iosia ¹ ; Chiara Sacco ²	¹ ERM Italy; ² ERM	IT
5C-03	22559	USE OF SUSTAINABILITY PRINCIPLES TO REDUCE, REUSE AND RECYCLE DURING A LANDFILL EXCAVATION PROJECT IN INDIA	Prakash, Nin	Nin Prakash; Jim Day; Rajat Srivastav	JACOBS	GB
5C-04	21274	A Top-Down Approach for the Development and Implementation of GSR in Taiwan: Progress and Challenges	Su, Yu-Chen	Shyh-Wei Chen ¹ ; Kai-Fan Chan ² ; Chia-Yun Li ² ; Yo-Ling Tu ² ; Pin-Han Chen ² ; Yu-Chen Su ² ; Bing-Nan Wang ² ; I-Hsing Chen ³ ; Ya-Ting Wu ³	¹ Chung Yuan Christian University; ² Sinotech Environmental Technology, Ltd.; ³ Taiwan Environmental Protection Agency	TW
5d. Managing large scale industrial and agricultural pollution (watersoilenergyfood nexus)						
5D-01	22355	Overview of feasible remedial actions to tackle the regional heavy metal soil and groundwater pollution related to former non-ferro industrie in the Campine area (NE Belgium)	Bronders, Jan	Jan Bronders ¹ ; Ilse Van Keer ¹ ; Johan Vos ¹ ; Nele Penninckx ² ; Dirk Paulus ² ; Tim Lieben ³ ; Petra De Clercq ³ ; Allan Vanautenboer ⁴	¹ VITO; ² Tauw Belgium; ³ OVAM - Flemish Waste Agency; ⁴ Sweco	BE

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
5D-02	21555	From Stand-and-Hold towards Enhanced Bioremediation: Bioremediation and 3D modelling at a former manufactured gas plant in Utrecht, the Netherlands	Faber, Suzanne	Suzanne Faber ¹ ; Lisanne Keijzer ² ; Johan van Leeuwen ³ ; Jan Gerritse ³ ; Tim Grotenhuis ² ; Ruud Schotting ¹	¹ Utrecht University; ² Wageningen University and Research; ³ Deltares	NL
Topic 6. Land stewardship						
6a. Valuations of SSW systems: natural capital accounting, ecosystem service assessment and soc-ec CBA						
6A-01	22429	Evaluating the economic benefits of urban Brownfields Redevelopment	Ameller, Joaquín	Joaquín Ameller; Jean Daniel RINAUDO; Corinne Merly	BRGM (French Geological Survey)	FR
6c. Sustainable spatial planning of land and the subsurface, balancing rural-urban systems						
6C-01	22485	GIS Evaluation of Local Cultivars – Traditional Agriculture vs. Urbanization	Zakariadze, Nino	Nino Zakariadze; Sergo Kvizhinadze; Nodar Kapanadze	GeoEco TAO	GE
Topic 7. Land, soil, water and sediment in the circular economy						
7a. Circular land use and brownfield regeneration						
7A-01	21646	Opportunities for preparing urban contaminated land for bio-based production	Chowdhury, Shaswati	Shaswati Chowdhury; Jenny Norrman; Jaan-Henrik Kain; Marco Adelfio; Yevheniya Volchko	Chalmers University of Technology	SE
7A-02	21398	Sustainable redevelopment of brownfields. More than choosing the best soil remediation technology.	Wille, Eddy	Eddy Wille	OVAM - Public Waste Agency of Flanders	BE
7b. Reuse and upgrading of SSW & products; recov. of valuable resources; improving ecol. functioning						
7B-01	21547	Feasibility project for the remediation and the reuse of sediments resulting from the hydraulic restoration of the infiltration basins of the Arno torrent	Ballarin, Christine	Christine Ballarin ¹ ; Stefano Donà ¹ ; Giacomo Donini ¹ ; Carlo Collivignarelli; Luigi Natale	¹ AECOM URS Italia S.p.A.	IT
7B-02	21605	On-site or commercial topsoil manufacture using excavated soils or inert materials: full-scale experience of a pre-European network	BASTIN, Olivier	Olivier BASTIN ¹ ; Yann THOMAS ² ; Lucas DEMIERBE ¹ ; Gaylord MACHINET ²	¹ NATUREM SOLUTIONS; ² MICROHUMUS	BE
7B-03	22479	Current concerns of using struvite-based fertilizer in horticulture	Biel, Carmen	Carmen Biel; Marc Viñas; Miriam Guivernau; Maria del Mar Carreras; Rafaela Cáceres	Institute of Agrifood Research and Technology (IRTA)	ES
7B-04	22330	Phytomanagement: towards a reuse of abandoned sites in Wallonia	Bouhoulle, Elodie	Elodie Bouhoulle ¹ ; Florian Liénard ¹ ; Laurence Haouche ¹ ; Lucas Gossiaux ² ; Aricia Evlard ² ; André Lox ³	¹ Institut Scientifique de Service Public - ISSeP; ² ValBiom asbl; ³ SPAQuE sa	BE
7B-05	22354	LAND MANGEMENT ISSUES AND MINING ACTIVITIES	Bronders, Jan	Jan Bronders ¹ ; Ilse Van Keer ¹ ; Corina Hebestreit ² ; Petros Maraboutis ³ ; Eberhard Falck ⁴	¹ VITO; ² Euromines; ³ Ecoefficiency; ⁴ WeFalck	BE

AquaConSoil 2019, List of Posters

Po.-Nr.	ID	Title	Presenter	all Authors	Institutions	Country
7B-06	21205	Phytoextraction capacity of <i>Phragmites australis</i> in constructed wetland to reduce pollutants from industrial wastewater	Faz, Ángel	Amalia García-Valero; Silvia Martínez-Martínez; Martire Angélica Terrero; Ángel Faz; María Ángeles Muñoz; Melisa Gómez-Garrido; Jose Alberto Acosta	Technical University of Cartagena	ES
7B-07	21487	Reuse of sediments in landscape development: ecotoxicological monitoring of a mound (part of the VALSE project)	Liénard, Florian	Florian Liénard ¹ ; Laurence Haouche	¹ Institut Scientifique de Service Public - ISSeP	BE
7B-08	22382	Thermally enhanced reductive dechlorination at an industrial site in Nevele, Belgium	Lobs, Art	Art Lobs ¹ ; Jonas Wittox ¹ ; Jan Jacobs ²	¹ Verhoeve Milieu & Water; ² RSK Benelux bvba	NL
7B-09	21209	From static waste towards dynamic resources landfill management	Mars, Jan Frank	Jan Frank Mars ¹ ; Ulrich Stock ² ; Eddy Wille ³	¹ Rijkswaterstaat; ² Landesamt für Umwelt, Brandenburg; ³ OVAM - Public Waste Agency of Flanders	NL
7B-10	21927	Exhausted granulated activated carbon from fresh water production reactivation by use of microwave heating	Svab, Marek	Marek Svab ¹ ; Martina Svabova ² ; Barbora Stepanova ¹ ; Pavel Mašín ¹	¹ DEKONTA, a.s.; ² The Institute of Rock Structure and Mechanics, Czech Academy of Sciences	CZ
7B-11	22570	Biological Restoration of Soil Function after Smouldering Remediation	Switzer, Christine	Christine Switzer; Neil McCosh; Charles Knapp	University of Strathclyde	GB
7B-12	22266	Real time monitoring and modelling web platform for water reuse optimization in a context of Managed Aquifer Recharge and Soil Aquifer Treatment	Thomas, Loïc	Loïc THOMAS ¹ ; Axel AUROUET ¹ ; Marie PETTENATI ² ; Géraldine PICOT ² ; Jonathan DURAND ¹ ; Charlotte THIERION ¹ ; Aubery WISSOCQ ¹ ; Hervé NOEL ¹ ; Daniel PIERRE ¹	¹ Antea Group; ² BRGM (French Geological Survey)	FR
7c. Nature based solutions: effectiveness for long term ecosystem services for soil & water (6)						
7C-01	21627	The Long-term Assessment of Rain Garden from the View of Sustainable Land Use	Furukawa, Yasuhide	Yasuhide Furukawa; Kazuhiro Mukai; Yuujirou Minomo; Takashi Miwa		JP