

Workshops

Workshops

Saturday (25/07/2015)

	Room 2	Room 3
9.30-10.00	Registration	
10.00-11.00	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
11.00-11.30	Coffee Break	
11.30-13.00	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
13.00-14.30	Lunch	
14.30-16.00	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
16.00-16.30	Coffee Break	
16.30-18.00	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment

Workshops

Sunday (26/07/2015)

	Room 1	Room 2	Room 3
9.30-10.00	Registration		
10.00-11.00	Practical use of the Chemometric Identification of Substrates and Element Distributions (CISED) sequential extraction methodology to determine the fractionation of Potentially Harmful Elements in rocks, soils and sediments	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
11.00-11.30	Coffee Break		
11.30-13.00	Practical use of the Chemometric Identification of Substrates and Element Distributions (CISED) sequential extraction methodology to determine the fractionation of Potentially Harmful Elements in rocks, soils and sediments	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
13.00-14.30	Lunch		
14.30-16.00	Practical use of the Chemometric Identification of Substrates and Element Distributions (CISED) sequential extraction methodology to determine the fractionation of Potentially Harmful Elements in rocks, soils and sediments	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
16.00-16.30	Coffee Break		
16.30-18.00	Practical use of the Chemometric Identification of Substrates and Element Distributions (CISED) sequential extraction methodology to determine the fractionation of	Advanced Course on Environmental Risk Assessment	MEDICAL GEOLOGY: Health and Earth - Building a Safer Environment
19.30-22.00	Ice breaker party (Casa Major Pessoa)		

Oral Presentations

Monday (27/07/2015)

	Room 1	Room 2
9.00-10.30	Registration	
10.30-11.30	Open Ceremony	
11.30-12.30	Plenary conference Inhalation of environmental dust and potential impacts to human health Jose A. Centeno	
12.30-14.00	Lunch	
14.00-14.40	Keynote Lecture Medical Hydrology in Portugal: a brief overview Pedro Cantista	
14.40-15.00	Indoor radon at several regions of Portugal and need to reduce radon exposure (Fernando Carvalho)	Sustainable remediation of contaminated soil by using Greek diasporic bauxite (Ariadne Argyraki)
15.00-15.20	Total hair mercury levels and association with pre-clinical renal effects in (José Menezes-Filho)	Arsenic and heavy metals assimilation by corn grown near tailings (Maria Aurora Armienta)
15.20-15.40	Chemical controls on soil iron geoavailability and nutrient supplementation associated with geophagy (Lawrence Diko)	Viticulture activity in Douro region: potential risks to the environment (Anabela Cachada)
15.40-16.00	All you can't eat: a dust banquet of organotins (Ana Sousa)	Mercury pollution in the environment of Hg mining areas in Guizhou and health risk (Xinbin Feng)
16.00-16.20	My Best Friend, My Surrogate: Neurotoxic Metals in Pet Dogs (Ramiro Pastorinho)	Human body burden and dietary methylmercury intake: the relationship in a rice consuming population (Ping Li)
16.20-17.20	Coffee Break /Poster session (Themes 1, 8)	
17.30-19.30	IMGA meeting	

Tuesday (28/07/2015)

	Room 1	Room 2
9.00-9.20		
9.20-9.40	Heavy Metal levels in mussel (<i>Mytella falcata</i>) collected in the northern Todos os Santos Bay, Bahia, Brazil (José Menezes-Filho)	Limestone as a sustainable remediation option for groundwater polluted with fluoride. (Maria Aurora Armienta)
9.40-10.00	A review on Medical Geology in Africa: some examples of naturally occurring geological factors (Hassina Mouri)	Cadmium dietary intake in women from Aveiro University, Portugal - a duplicate diet study (Sónia Coelho)
10.00-10.20	Rivers as conveyors of PAHs to a urban tropical estuary (Angela Wagener)	Dusts from mining and smelting areas in northern Namibia: mineralogy, contaminant bioaccessibility and weathering in soils (Vojtech Ettler)
10.20-10.40	Environmental exposure of naturally occurring thallium and health risk (Tangfu Xiao)	Uptake of potentially toxic metals from saline waters by living macroalgae <i>U. lactuca</i> : simultaneous removal of Hg, Pb and Cd (Bruno Henriques)
10.40-11.00	Coffee Break	
11.00-11.20	A Medical Geology Curriculum for African Tertiary Geoscience Institutes (T.C. Davies)	Lead-Zinc mining and home-grown foodstuffs (Eastern FYR Macedonia) (Sandra Hamler)
11.20-11.40	Oxidative stress parameters in relation to field production of soybean seeds in Uruguay (Inês Viera)	Macroalgae biomass for cleaning contaminated salt waters (Paula Figueira)
11.40-12.00	Evaluation of antibiotic pollution in the Bolivian Altiplano and the related impacts and microbial resistance levels in soil and water (Jean Martins)	Curbing Climate Driven Health Dangers To Human Populations: Life Threatening Disease, Curable Sickness, Physical Injury (Frederic Siegel)
12.00-13.00	Plenary conference Use of Human Biomonitoring in Toxicology and Epidemiological Studies João Paulo Teixeira	
13.00-14.20	Lunch	
14.20-19.00	Oporto wine cellars visit and boat trip in Douro River (The Organizing Committee offers to all participants)	

Wednesday (29/07/2015)

	Room 1	Room 2
9.00-9.20	Is 'Urban Medical Geology' a contradiction in terms? (Robert Finkelman)	Heavy metal and identification of helminthes in common fish (<i>cyprinus carpio</i>) obtained in a natural aquatic ecosystem in Mexico (Hector Rubio - Arias)
9.20-9.40	Health risk assessment of heavy metals intake through the consumption of some commonly vegetables as a tool for decision making to protective measurements. The case study in a mining area (Panasqueira mine, Portugal) and its surroundings (Paula Ávila)	The daily selenium intake and health risk assessment for human from high-Se areas of Enshi, China (Haibo Qin)
9.40-10.00	Measurement of the solid phase fractionation of elements in Road dusts collected from Manchester UK (Mark Cave)	Chronic intoxication of cadmium and fluorine in southwestern China: a geo-environmental perspective (Yizhang Liu)
10.00-10.20	Environmental availability of potentially harmful elements in Athens soil (Efstratios Kelepertzis)	Medical geology approach in environmental health studies: the Uruguay an experience (Nelly Manay)
10.20-10.40	Heavy Metal like Pb, Cd, Cr and Hg at Man Made Strata in Uruguay (Adriana Mezzano)	Dental Fluorosis in the island of Porto Santo, archipelago of Madeira (João Silva)
10.40-11.00	Coffee Break	
11.00-11.20	Assessment of the potential bioavailability of metals by sequential extraction in urban road-deposited sediment of a small urban area: Vila Real, NE Portugal (Anabela Reis)	The declined prevalence rate of electromagnetic hypersensitivity in Taiwan relevant to the media reports (Po-Chang Huang)
11.20-11.40	PTEs and radionuclides of urban soils in public areas of an industrialized town - a case study from Ajka, Hungary (Dora Zachary)	An investigation on heavy metals and trace elements contents in thermal waters from volcano-hosted hot springs in Sabalan geothermal area, NW Iran, case study: Qaynarja - Nir hot spring (Hossein Hosseinpour-Azad)
11.40-12.00	A case-study on the evaluation of risks for human exposure to potentially toxic elements (PTEs) in urban soils in Portugal (Sónia Rodrigues)	Effect of crater water flows of Ijen vulcano to public health at Situbondo District in East Java Indonesia (A. Aminuddin)
12.00-13.00	Plenary conference Inorganic arsenic in rice - a review - implications for human health risk assessment and policy/regulation led mitigation David Polya	
13.00-14.20	Lunch	
14.20-15.00	Keynote Lecture Arsenic – a beneficial therapeutic and an environmental poison Jose Centeno	
15.00-15.20	Assessing risks to human health from consumption of vegetables grown in and around urban areas of the Kurdistan region of Iraq (Karzan Hawrami)	A systematic review of Fluoride concentration factors in ground waters of Fars Province, Iran (Reza Monsef)
15.20-15.40	Examining the links between soil geochemistry and health related deprivation indices in London (Mark Cave)	Health impacts of the Green Revolution: A retrospective look (Syed Hasan)
15.40-16.00	Geochemical features of human organism ash residue as indicator of natural and technogenic living conditions of a human (Natalia Baranovskaya)	Macro, micronutrients and harmful elements environmental health in soils of southeast region of Brazil (Cassio Silva)
16.00-17.00	Coffee Break /Poster session (Themes 1, 2, 5)	
18.30-24.00	Conference Dinner	

Thursday (30/07/2015)

	Room 1	Room 2
9.00-9.20	Recent development of novel Zr-oxide based binding gels in diffusive gradients in thin films (DGT) for measurements of bioavailable chemicals in the environment (ChaoSheng Zhang)	Risk assessment for hazardous geological processes and their impact on public health in Ukraine (Georgii Rudko)
9.20-9.40	Bio-Spectroscopic Characterization of Foreign Body Materials – Case Studies and Biomedical Devices (José Centeno)	Urinary arsenic biomonitoring results indicate exposure to inorganic arsenic from private drinking water supplies in Cornwall, South West England (Daniel Middleton)
9.40-10.00	The possible role of arsenic and heavy metals, herbicides, and fertilizers in the incidence of chronic kidney disease of unknown etiology (Dina Lopez)	FOGO2014: Geochemistry of dust particles and air quality monitoring during the Fogo 2014 Eruption, Cape Verde (Carla Candeias)
10.00-10.20	Tolerance mechanisms of Hypoxis hemerocallidea exposed to cadmium and aluminium stresses and their implications in safety and quality of... (Ambrose Okem)	Exposure of geogenic elements in drinking water and public health; Study possibilities in Denmark (Birgitte Hansen)
10.20-10.40	Testicular damage in mice from organic and conventional farms in a volcanic region (Armando Rodrigues)	The geochemical quality of soils in the Clyde basin, Scotland, UK – main controls and anthropogenic impacts (Fiona Fordyce)
10.40-11.00	Coffee Break	
11.00-11.20	Iodine environmental bioavailability and human intake in oceanic Islands (Diana Linhares)	Naturally occurring asbestos near populated areas of southern Nevada, USA: Unusual occurrences of fibrous Libby-type NaFe-amphibole and actinolite (Rodney Metcalf)
11.20-11.40	Nitrate in drinking water: using Danish register data to investigate possible health effects with focus on gastrointestinal cancers (Jörg Schullehner)	The regional geogenic radon map of the Portuguese territory: current status (Alcides Pereira)
11.40-12.00	Cytogenetic damage in oral epithelial cells of individuals chronically exposed to volcanogenic radon (Patricia Garcia)	Assessment of geochemical factors in multiple sclerosis distribution in the south-western Sardinia (Alexandro Sanna)
12.00-13.00	Plenary conference The Earth: A Natural Pharmacy Ann C. Pizzorusso	
13.00-14.20	Lunch	
14.20-14.40	Keynote Lecture Medical Geology in Brazil: short overview Cassio Silva	
15.00-15.20		Geochemical features of limescale as an indicator of drinking water quality and factor of influence on public health (Bulat Soktoev)
15.20-15.40		Governing Factors and Implications of Spatially Varying Drinking-water Iodine Concentrations (Denitza Voutchkova)
15.40-16.00		
16.00-17.00	Coffee Break /Poster session (Themes 3, 4, 6)	

Friday (31/07/2015)

Room 1	
9.00-9.20	Magnesium-rich Evaporites from Lake Chad Basin Used as Traditional Medicine (Nghargbu K'tso)
9.20-9.40	Lithium in drinking water and suicide: A Danish nationwide register-based cohort study using spatial analysis (Nikoline Knudsen)
9.40-10.00	Portugal: one of Europe's richest countries ... in mineral and thermal waters (José Marques)
10.00-10.20	Novel therapeutic indications – the mineral water of Termas de Águas Spa (Penamacor, Portugal) (Margarida Antunes)
10.20-10.40	Edible and Healing Clays: Benefits and Risks (Celso Gomes)
10.40-11.00	Coffee Break
11.00-12.00	Plenary conference Use of geological materials in complementary and alternative medicines César Viseras
12.00-13.00	Closing Ceremony
13.00-14.30	Lunch

Theme 1 - Environmental contaminants in health and disease

Theme 2 - Environmental toxicology, pathology and epidemiology

Theme 3 - Climate change and human health

Theme 4 - Therapeutic properties of minerals and waters

Theme 5 - Urban medical geology

Theme 6 - Modeling, mapping and monitoring of environmental hazards and diseases

Theme 7 - Advances in analytical methods

Theme 8 - Environmental risk assessment and remediation technologies

Poster Sessions

Poster Sessions (Themes 1, 8)

Monday (27/07/2015)

Poster session (Themes 1,4, 8)		
1	Groundwater contamination in an industrial area: the case study of Estarreja, Portugal	Anabela Cachada
2	Manganese in groundwater - a potential health risk in Finland?	Anne Kousa
3	Foam and soil washing processes for contaminated soils using plant biosurfactant	Chen-Yen Chen
4	Potential Harmful Trace Elements (PHTEs) in borehole water of rural Greater Giyani area Limpopo, South Africa: possible implications for human health	Hassina Mouri
5	Natural radiation in the Vila Pouca de Aguiar-Vidago granite massif (N Portugal): geological constraints and radon risk	Lisa M. O. Martins
6	Water manganese and mercury level's relationship with these metal biomarkers in school-aged children living in the Nangaritza River basin, Southern Ecuador	Max González-Merizalde
7	Investigation of Hg and Zn contamination in agricultural soils of an industrial area: a case of public health?	Manuela Inácio
8	Characterization and Potential Toxicity of Fibrous Amphibole Minerals near the Las Vegas Metropolitan Area	Meg Sumner-Moore
9	Mercury concentration in road dust samples of Mexico City	Ofelia Morton-Bermea
10	Heavy metal levels in seafood and health risk assessment based on its consumption in villagers of Aratu Bay, Bahia, Brazil	José A. Menezes-Filho
11	Tracking enteric viruses inactivation by gamma radiation in aquatic environments	Andreia I. Pimenta
12	Radioactivity monitoring and reduction of radiation exposure at legacy uranium sites in Portugal	Fernando Carvalho
13	Uranium mining production: cause of eye pathology	Iosif F. Volfson
14	Ecological Risk Assessment in an Abandoned Coal Mine Area: Tier I Screening Stage in S. Pedro da Cova Mine, Gondomar, Porto	Ruth Pereira
15	Chemical forms of Zn in the surface sediments of Mero River (NW Spain) and ecological risk assessment	Laura Palleiro
16	Recovery and separation of heavy metals (cadmium, lead and zinc) contained in the wastewaters using by liquid membrane process.	Fatma Hassaine-Sadi
17	Effects of nano-cobalt oxide in soil species	Sirine Bouguerra
18	The nature and articulation of ethical codes on tailings management in South Africa	Tobius Thobile Poswa
19	Impact of an organic nanovesicle in soils	Ana Gavina
20	Exposure to nephrotoxic pollutants in las Brisas community, El Salvador	Alejandro López
21	Methodological approaches to derive Soil Screening Values for U, Cd, Cu for Portuguese Natural Soils	A. L. Caetano
22	Phytoremediation using <i>Brassica juncea</i> – A case of Krugersdorp mine tailings and neighbouring soils	Georgina D. Arthur
23	Mineralogical associations of arsenic and heavy metals in a limestone-based and treatment system	Israel Labastida
24	Studies of freshwater sediments (gyttja): analysis of composition and chemical properties	Karina Stankevica
25	Impact of micro- and macroelement content on potential use of freshwater sediments (gyttja) derived from lakes of Latvia	Zane Vincevica-Gaile

Poster session (Themes 1, 2, 5)

Wednesday (29/07/2015)

Poster session (Themes 1, 2, 5)		
1	Possible health impact of the alkaline Pilanesberg Complex on communities in the semi-arid region of the North West Province South Africa	Hassina Mouri
2	Population health risk due to the consumption of medicinal plant <i>Malva Sylvestris</i> L., collected in the contaminated sites by the toxic heavy metals, North Algeria.	Fatma Hassaine-Sadi
3	Potential health impacts of groundwater in a non-exploited uranium ore; the case of Horta da Vilarica (NE Portugal)	Maria R. Costa
4	Environmental health impact of emissions from industrial activities in the vicinity of Umlazi Township, South of Durban, KwaZulu-Natal Province, South Africa	Theo Davies
5	Polycyclic aromatic hydrocarbons in soils from Estarreja urban area: a myth or a reality?	Manuela Inácio
6	Bioaccessibility of platinum group elements from gasoline and diesel catalysts.	Veronika Suchá
7	Some dependence of index of haemoglobin on the geophysical features of place of residence	Gulnara E. Taumanova
8	Differences between indicators of exposure to toluene in the workplace. Developing an analytical methodology for the determination of o-cresol in urine by HPLC.	Nelly Mañay
9	Are soil micronutrient imbalances due to dispersed mineralisation a cofactor in malnutrition in Limpopo Province, South Africa?	Xolile Mkhize
10	Water quality in the upper zone of the Conchos River in Chihuahua (Mexico)	Hector Rubio - Arias
11	The association between Arsenic in drinking water and Parkinson's disease in Taiwan	How-Ran Guo
12	Environmental exposure to heavy metals in people living near Janghang copper smelter, Korea	Yong-Dae Kim
13	Naturally-occurring radioactive elements in bottled mineral waters and radiation dose to consumers	Fernando Carvalho
14	Enrichment of Arsenic in Rivers originating from the Tibetan Plateau and effects on the local residents	Shehong Li
15	Analysis of predisposition to neurodegenerative diseases related to the occurrence of potentially harmful metals in the environment	Marina MS Cabral Pinto
16	Cancer risk of Santiago Island population due to heavy metal exposure from soils	Marina MS Cabral Pinto
17	Evaluation of the genotoxicity effect and antioxidant response of two nanomaterials (TiSiO ₄ and nanovesicles of SDS/DDAB) in <i>Eisenia andrei</i>	Ruth Pereira
18	Physico-chemical characterization, bioaccessibility and genotoxicity of indoor soil particles	Sophie Plumejeaud
19	Distribution of hydrogeotoxicity due to arsenic and uranium in the southern part of Duero Basin, Spain	Elena Giménez-Forcada
20	Attributable risk fractions of various risk factors for obstructive and restrictive ventilatory defects in a Korean population living near Portland cement plants	Heon Kim
21	Impact of exposure to cadmium on MG-63 osteosarcoma cells: a NMR metabolomics study	A. Paula Reis
22	Analysis of the main risk factors for lung cancer in Mexico.	Guadalupe Ponciano-Rodríguez
23	Natural Radioactivity in municipalities from Pegmatite Borborema Province, Northeastern Brasil	Thomas Campos
24	Urbanization and childhood speech and language disability in Taiwan	Yen-Cheng Tseng

Poster session (Themes 3, 4, 6)

Thursday (30/07/2015)

Poster session (Themes 3, 4, 6)		
1	Impact of climate change on human health in African coastal cities: Case Study from Durban, KwaZulu Natal (KZN) Province, South Africa	Thobile Zikhathile
2	Richness and diversity in dust stormborne biomes at the Southeast Mediterranean	Eitan Ben-Dov
3	The effect of dust storm events on daily outpatient visits for respiratory diseases in Kinmen, Taiwan	Shao-Wei Yanga
4	A trend analysis of greenhouse gas reduction technologies and study on vitalizing national action in response to climate change in Korea	Hyo-Taek Chon
5	Rheological properties of water suspensions of a pharmaceutical grade smectite	César Viseras
6	Bioaccessibility of trace elements in clayey commercial nutritional supplements	Ana Quintela
7	Plasticity of different smectitic admixtures intended for health care purposes	Ana Quintela
8	Application of sulfur-containing minerals in medicine with adjustment of traditional and modern pharmacy	Mahboobe Parvaresh
9	The magic (?) ion in Portuguese drinking water: preliminary results	Orquidea Neves
10	Potentially toxic elements distribution in marine sediments (peloids), water and biota of Makirina bay (N Dalmatia, Republic of Croatia)	Sandra Hamler
11	Molecular simulations of intercalated LDH and Layered Zinc Hydroxide Salts with organic species for possible medical applications	Miroslav Pospíšil
12	Medical and balneological assessment of groundwaters in Ukraine: optimization of groundwater use	Oleksii Netskyi
13	Practices of mudtherapy in Porto de Mós' beach, Algarve, Portugal	Jorge Gomes
14	The influence of Quaternary geology and land use on ¹³⁷ Cs levels in Sweden after the Chernobyl nuclear power plant accident.	Göran Granath
15	Mercury contamination in sediments and soils from historic gold mining sites in Lavras do Sul, RS, Brazil	Maria Heloisa D. Pestana
16	Present state and look at the past: relationship between geochemical composition of Vilnius preschools environment and children hair	Ričardas Taraškevičius
17	Environmental Risk Assessment Based on High-Resolution Spatial Maps of Potential Toxic Elements Sampled on top soils of Santiago, Cape Verde	Marina MS Cabral Pinto
18	Self-depuration ability of surface water in a transboundary watershed – the Águeda River	Margarida Antunes

Theme 1 - Environmental contaminants in health and disease

Theme 2 - Environmental toxicology, pathology and epidemiology

Theme 3 - Climate change and human health

Theme 4 - Therapeutic properties of minerals and waters

Theme 5 - Urban medical geology

Theme 6 - Modeling, mapping and monitoring of environmental hazards and diseases

Theme 8 - Environmental risk assessment and remediation technologies

Field Trip (Technical Visit to São Pedro do Sul Spa) – Saturday – 8.30-18.00