

SCIENTIFIC PROGRAM

DAY 1: THURSDAY, JUNE 2, 2005

- 8:30-9:00 REGISTRATION**
- 9:00-9:30 WELCOMING REMARKS**
Dr. Agamenon Dantas, SGB-CPRM
Dr. Gilney Amorim Viana, SDS-MMA
Dr. Cláudio Scliar, SGM-MME
Dr. José A. Centeno, AFIP
Dr. Pedricto Rocha, FAPERJ
Dr. Guilherme Franco Netto, SVS-MS
Dr. João Cesar Pinheiro, DNP
Dr. Celso V. Manzatto, EMBRAPA
Prof. Dr. Bernardino R. Figueiredo, IG-UNICAMP
- 9:30-10:15 Medical Geology: An emerging discipline in environmental and human health.**
Dr. Olle Selinus, SGU
- 10:15-10:30 Coffee Break**
- A. ENVIRONMENTAL HEALTH : SOURCES OF EXPOSURE AND HEALTH EFFECTS OF TRACE ELEMENTS, TOXIC METAL IONS, METALLOIDS**
- 10:30-11:15 The Diversity of Trace Elements and Toxic Metal Ions in Environmental Health and Human Diseases**
Dr. José A. Centeno, AFIP
- 11:15-12:00 Natural and Anthropogenic Sources, Transport and Fate of Toxic Metal Ions in the Environment**
Dr. Robert B. Finkelman, USGS
- 12:00-12:30 Mineral Care Use Program In Brazil**
Dr. Claudio Scliar, SGM-MME
- 12:30-14:00 Lunch**
- B. ENVIRONMENTAL TOXICOLOGY, GEOCHEMICAL STUDIES AND HEALTH EFFECTS.**
- 14:00-14:45 An Overview of Health Impacts of Coal and Coal Use**
Dr. Robert B. Finkelman, USGS
- 14:45- 15:30 Arsenic Poisoning: Natural History, Toxicology and Health Effects**
Dr. Jose A. Centeno, USAFIP
- 15:30-16:00 Tea and/or Coffee Break**
- 16:00-16:30 The health impacts of trace elements released by residential coal combustion - A case study of arseniasis and fluorosis**
Dr. Robert B. Finkelman, USGS
- 16:30-17:15 Clinical and Toxicological Effects of Mercury Exposure**
Dr. Jose A. Centeno, AFIP
- 17:15-17:35 Vigilance in Environmental Health**
Dr. Guilherme Franco Netto - SVS/MS
- 17:35-17:55 National Research Program on Environmental Geochemistry and Medical Geology - Brazil**
Dr. Cassio Roberto da Silva - SGB/CPRM
- 17:55-18:15 Arsenic occurrences in Brazil and human exposure**
Dr. Bernardino Figueiredo - UNICAMP
- 18:15-18:30 Discussion and Summary- Dr. Jose A. Centeno - USAFIP**

More information about the form of papers and lecture to see:

<http://www.cprm.gov.br/pgagem>

DAY 2: FRIDAY, JUNE 3, 2005

- C. ANALYTICAL TOXICOLOGY: TRACE ELEMENT SPECIATION, MICROSCOPY, DETECTION, AND QUANTIFICATION METHODS**
- 9:00-9:20 The Hazardous Naturals Organics Substances.**
Dr. Carlos S. Bandeira de Mello, Petrobrás
- 9:20-10:00 Analytical methods for the study of metal ions in biological and tissue samples.**
Dr. José A. Centeno, AFIP, Washington, DC
- 10:00-10:30 Analytical methods for the study of trace elements and toxic metal ions in geological and environmental samples.**
Dr. Robert B. Finkelman, USGS
- 10:30-11:00 Coffee Break**
- 11:00-11:30 Trace Element Speciation in Environmental Medicine and Toxicology**
Dr. José A. Centeno, AFIP
- 11:30-12:00 Development and Use of International Geological Databases on Medical Geology**
Dr. Olle Selinus, SGU
- 12:00-13:00 Lunch**
- D. SPECIAL TOPICS ON MEDICAL GEOLOGY AND HUMAN HEALTH RESEARCH**
- 13:00-13:30 The health impacts of mineral dust**
Dr. Robert B. Finkelman, USGS
- 13:30-14:00 Medical Geology Factors in the Emergence of Infectious Diseases**
Dr. Jose A. Centeno, AFIP
- 14:00-14:30 Application of Medical Geology to vector borne diseases and other issue**
Dr. Robert B. Finkelman, USGS
- 14:30-14:45 Coffee Break**
- 14:45-15:30 Prostate Cancer and its Potential Link to Trace Elements: Roles of Cd, Zn, and Se**
Dr. Jose A. Centeno, AFIP
- 15:30-16:15 Health benefits of rocks and minerals**
Dr. Robert B. Finkelman, USGS
- 16:15- 16:35 Epidemiology and Medical Geology**
Dr. Eduardo De Capitani, UNICAMP
- 16:35-16:55 Fluoride in Groundwater and Endemic Fluorosis in São Francisco Municipality - MG / Brazil**
Dra .Lucia Maria Fantinel, UFMG.
- 16:55-17:15 Environmental Trace Elements Associated with the Cancer Risk: Lucrecia - RN / Brazil**
Dr. Luiz Fabricio Zara, HUCB
- 7:15-17:35 Geochemistry of Brazilian Soils: Current Situation**
Dr. Daniel Vidal Pérez, EMBRAPA
- 17:35-17:55 Biofortication to Prevent Micronutrients Deficiency**
Dra. Marília Nutti, EMBRAPA
- 17:55-18:30 Discussão e Sumário**

DAY 3: SATURDAY, JUNE 4, 2005

- 09:00-09:20 Lecture FIOCRUZ**
- 09:20-09:40 Arsenic Human Exposure in the Amapa State / Brazil**
Dra. Elisabeth Santos, Instituto Evandro Chagas
- 9:40-10:50 Section Poster**
- 10:50-11:40 Panel Discussion: All Speakers - Topics: I. Regional Issues on Medical Geology and Human Health II. Current Research Opportunities on Toxicology, Medical Geology and Human Health**
Moderator: Prof. Dr. Bernardino Figueiredo, UNICAMP
- 11:40-12:00 Distribution of Certificates of Attendance**