

Scientific Committee

- ✓ Romulo Angelica (Brazil)
- ✓ Aurora Armienta (México)
- ✓ Laura Borgel (Chile)
- ✓ Rafael Cervantes (Bolivia)
- ✓ Gerald Combs (USA)
- ✓ Adriana Cousillas (Uruguay)
- ✓ Eduardo Anselmo Da Silva (Portugal)
- ✓ Bernardino R. Figueiredo (Brazil)
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- ✓ Amalia Laborde (Uruguay)
- ✓ Marta Litter (Argentina)
- ✓ Kaj Lax (Sweden)
- ✓ Monica Bastos Paolliello (Brazil)
- ✓ Geoffrey Plumlee (USA)
- ✓ Olle Sellinus (Sweden)
- ✓ Cassio Silva (Brazil)
- ✓ Ester Sztejn (USA)
- ✓ Kevin Telmer (Canada)
- ✓ Maria H. Torre (Uruguay)
- ✓ Chin-Hsiao Tseng (Taiwan)
- ✓ Phillip Wenstein (Australia)



Montevideo is the capital of Uruguay.

It is located in the south zone of the country, with coasts on the Rio de la Plata and is the department of minor extension in the country.

The city stands out for his ideal bay that forms a natural port, being the most important of the country.

For his cattle wealth and his very good geographical situation, it grew as city - port up to being the capital of the Republica Oriental del Uruguay. Montevideo is the Latin-American city with the biggest quality of life.



Registration and Fees

	Before May 30, 2009	Before September 15, 2009	After September 16, 2009
Not members	<a href="#">USD 130</a>	<a href="#">USD 200</a>	<a href="#">USD 230</a>
Members	<a href="#">USD 95</a>	<a href="#">USD 170</a>	<a href="#">USD 200</a>
Students	<a href="#">USD 70</a>	<a href="#">USD 100</a>	<a href="#">USD 120</a>

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Secretariat



for information about registration, accomodation, etc.

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Organizing Institutions



[International Medical Geology Association \(IMGA\).](http://www.medicalgeology.org)  
[www.medicalgeology.org](http://www.medicalgeology.org)



[Uruguayan Society of Toxicology and Ecotoxicology \(SUTE\).](#)



[Department of Toxicology and Environment Hygiene, Faculty of Chemistry.](#)  
 University of the Republic of Uruguay .

**General Chairperson**  
 Nelly Mañay

**ISC Chairperson**  
 Jose Centeno

**Logistic**

Teresa Heller  
 Cristina Alvarez

**Scientific Program**  
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Maria H. Torre  
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 Rosario Guerequiz

**Finances**

Laura Pereira

17<sup>th</sup> HEMISPHERIC CONFERENCE ON

MEDICAL GEOLOGY

OCTOBER, 12 - 16, 2009  
 MONTEVIDEO, URUGUAY



[WWW.GEOLOGIAMEDICA.COM](http://WWW.GEOLOGIAMEDICA.COM)

" MEDICAL GEOLOGY- THE SCIENCE DEALING WITH THE RELATIONSHIP BETWEEN NATURAL GEOLOGICAL FACTORS AND HEALTH IN HUMANS, ANIMALS AND PLANTS"

**Dear Colleagues and Friends:**

On behalf of the International Medical Geology Association (IMGA), the Uruguayan Society of Toxicology and Ecotoxicology and the Faculty of Chemistry from the Universidad de la Republica de Uruguay, we are pleased to invite you to participate in the **3<sup>rd</sup> Hemispheric Conference on Medical Geology**, which will be held the week of October 12-16, 2009 in Montevideo, Uruguay.

The Hemispheric Conference on Medical Geology meeting was started as a contribution to the rapidly expanding and growing field of Medical Geology. Medical geology has numerous applications to the resolution of local, regional and global health issues. The aim of this **3<sup>rd</sup> Hemispheric Conference on Medical Geology (3<sup>rd</sup> HCMedGeo)** is to promote interdisciplinary discussions, international scientific collaborations and to build up new personal contacts between medical geology researchers by bringing together scientists from South America, Central and North America, Canada, and the Caribbean Basin to share the most recent advances and latest information on Medical Geology research with particular emphasis on environmental and health problems afflicting this part of the globe.

The **1st HCMedGeo** was organized in Puerto Rico with participation from over 50 delegates and with representation from each of the regions. The **2<sup>nd</sup> HCMedGeo** was recently organized in Atibaia, Brazil with over 150 participants bringing together a wide range of disciplines in geosciences and biomedical research with particular interest on Medical Geology.

The Scientific Program for the **3<sup>rd</sup> HCMedGeo** will be composed of plenary lectures, short courses, oral and poster presentations covering a diverse and multidisciplinary research agenda with topics including: soils, water, air and public health; environmental epidemiology, environmental monitoring, and disease surveillance; emerging and re-merging diseases and medical geology; topical diseases and their impact on human and animal health; geochemical mapping and human health databases; risk analysis and risk communication/management in medical geology; veterinary medicine and medical geology; environmental medicine, toxicology and environmental geochemistry; environmental and forensic geology; analytical toxicology (e.g., trace element speciation) and geochemical tools in medical geology; trace elements, metals and metalloids and nutrition; environmental bioremediation of contaminated sites.

On behalf of the organizers and sponsors for the **3<sup>rd</sup> HCMedGeo** we look forward to welcome you to Montevideo, and to share with you what promises to be a highly scientifically stimulating and memorable event for the Americas.

Sincerely,

**Prof. Dr. Nelly Manay**

General Chairwoman

**Dr. José Centeno**

Chairman International Scientific Committee

**1. Trace elements, metals and metalloids in medical geology**

- Sources of exposure, nutritional aspects & diseases
- Geoavailability, Bioaccessibility and Bioavailability
- Analytical toxicology, Speciation analysis

**2. Environmental medicine, Environmental toxicology and Medical geology**

- Epidemiology
- Environmental medicine, toxicology, and biomonitoring
- Disease surveillance
- Biomedical research
- Tropical diseases
- Biomarkers and Disease
- Emerging and re-merging diseases in medical geology

**3. Environmental geochemistry and health**

- Natural disasters and their impact on human and animal health
- Climate changes, environmental quality, adaptability and public health
- Veterinary Geology. The impacts of geologic factors on animal health

**4. Environmental risk management and risk communication in Medical Geology**

- Risk assessment,
- Environmental management
- Bioremediation of contaminated sites
- Risk communication
- Environmental Health Impact

**5. Environmental and Forensic Geology in Medical geology****6. Geochemical tools to aid public health research**

- Geochemical mapping and human health databases (mortality and morbidity data)
- Geochemical Studies and Health Effects

**7. Educational and professional opportunities on Medical Geology****8. Social drives that impact environmental health**

**Expand the growing field of Medical Geology in South America, Central and North America, Canada, and the Caribbean Basin**

**Share the most recent advances on Medical Geology with particular emphasis on environmental and health problems afflicting this part of the globe.**

**Bring together a wide range of disciplines in Geosciences and Biomedical research**

**Build up new personal contacts among the multidisciplinary field in which medical geologists are involved.**

**Who should attend the 3rd HCMedGeo?**

Participants of the 3rd HCMedGeo will come from a wide range of disciplines including chemistry, biology, geosciences, environmental health, public health, toxicology, epidemiology, medicine, forensic geology/toxicology, environmental management, and environmental pathology to share a scientific program which will be composed of plenary lectures, short courses, and oral (platform) and poster presentations.

**Call for papers**

All participants are invited to submit their work so as to contribute to the scientific programme of this 3rd HCMedGeo. The Scientific Committee will decide about the acceptance of submitted abstracts and the authors will be informed about the acceptance, either as an oral presentation or as a poster.

**Speakers**

Confirmed Speakers for key lecture, plenary conferences and opening talks in concurrent sessions

- ✓ **Olle Selinus** – Sweden Geological Survey
- ✓ **Geoffrey Plumlee** – US Geological Survey
- ✓ **Jose A. Centeno** – US Armed Forces Institute of Pathology
- ✓ **Robert B. Finkelman** – University of Texas at Dallas
- ✓ **Bernardino Figueiredo** – University of Campinas Brazil
- ✓ **Mark Cave** – British Geological Survey (UK)