

GeoHealth I: Building Bridges across the Geological and Health Sciences

REVISED AGENDA (27 February 2008)

4 March 2008	
8:00 – 9:00 a.m.	Registration, Coffee
9:00 – 9:30 a.m.	<p><i>Robert E. Doyle, Deputy Director, USGS - Welcome</i></p> <p><i>Dr. Bruce Fowler, ATSDR – Building Bridges across the Earth and Health Science Disciplines</i></p> <p>An overview from a health science perspective on needs and opportunities for integrated health- and earth-science research, as well as ways that both disciplines can work together to better communicate with the public, policy makers, decision makers</p>
9:30 – 10:20 a.m.	<i>Dr. Robert Finkelman, USGS (retired), UT Dallas – Geology and Health: A brief look at the past and a glance into the future</i>
10:20 – 10:40 a.m.	Break
10:40 – 11:30 a.m.	<i>Mark Stenzel, American Industrial Hygiene Association – An Overview of Exposure Assessment Techniques</i>
11:30 a.m. – 12:45 p.m.	<p>Lunch – available in the USGS cafeteria</p> <p><i>Discussion Groups – led by conference Scientific Advisory Panel members</i></p> <ul style="list-style-type: none"> ○ Methodological Issues and Commonalities ○ Information Resources, Databases ○ Spatial Data: Linking Environmental Concentrations to Human Exposure ○ Spatial Data: GIS as an Analytical and Communication Tool ○ Archiving and standards of baseline data and data mining for geology and health ○ Interacting with decision makers ○ Stakeholder perspectives and potential bias
12:45 – 2:25 p.m.	<p>Perspectives on Drinking Water Contaminants</p> <p><i>Donna Myers, USGS – Geology and Human Health: The Earth Scientist’s Perspective</i></p> <p><i>Dr. Ed Ohanian, US EPA – Human Health and Geology: The</i></p>

	<p><i>Health Scientist's Perspective</i></p> <p><i>Examples:</i></p> <p>CCl_3</p> <p><i>Emerging Contaminants</i></p> <p><i>Trace Organic Contaminants in Source Water and Drinking Water – Detection, Occurrence, and Exposure</i></p> <p><i>Use of Trace Organic Contaminant Data in the EPA's Contaminant Candidate List (3)</i></p>
2:25 – 2:45 p.m.	<p>Introduction to Case Studies – Objectives, expectations</p> <p>Objective: develop improved insight in value of information sharing and collaboration, generate ideas for effective approaches</p> <p>Topics: Communication, collaboration, science translation, timing, data limitations (privacy)</p>
2:45 – 3:05 p.m.	<p>Break</p>
3:05 – 3:50 p.m.	<p>Human Exposure to Drinking Water Contaminants</p> <p>Case study</p> <p><i>Dr. Joseph Graziano, Dr. Lex van Geen, Columbia University -- Arsenic in Drinking Water: Health Effects and Geochemistry</i></p>
3:50 – 4:35 p.m.	<p>Human Exposure to Drinking Water Contaminants</p> <p>Breakout sessions</p> <p><i>Arsenic in Drinking Water: Health Effects and Geochemistry</i></p>
5:00 – 6:30 p.m.	<p>Reception</p> <p><i>American Industrial Hygiene Association</i></p>
<p>5 March 2008</p>	
8:00 – 8:45 a.m.	<p>Human Exposure to Drinking Water Contaminants</p> <p>Case study</p> <p><i>Mr. Morris Maslia, Dr. Daphne B. Moffett, CDC/ATSDR -- TCE and PCE at Camp Lejeune, NC</i></p>

8:45 – 9:30 a.m.	<p>Human Exposure to Drinking Water Contaminants</p> <p>Breakout sessions</p> <p><i>TCE and PCE at Camp Lejeune, NC</i></p>
9:30 – 9:50 a.m.	<p>Break</p>
9:50 -- 11:30 a.m.	<p>Perspectives on Airborne and Soilborne Contaminants</p> <p><i>Dr. Howard Mielke, Tulane University – Geology and Human Health: The Earth Scientist’s Perspective</i></p> <p><i>Dr. Felicia Rabito, Tulane University – Human Health and Geology: The Health Scientist’s Perspective</i></p> <p>Examples: Urban soils, World Trade Center dusts, Intercontinental Dust Transport</p>
11:30 a.m. – 12:45 p.m.	<p>Lunch</p>
12:45 – 1:30 p.m.	<p>Human Exposures to Airborne and Soilborne Contaminants</p> <p>Case Study</p> <p><i>Dr. Howard Mielke, Dr. Felicia Rabito – New Orleans: Lead and Other Contaminants Before and After Hurricane Katrina</i></p>
1:30 – 2:15 p.m.	<p>Human Exposures to Airborne and Soilborne Contaminants</p> <p>Breakout Sessions</p> <p><i>New Orleans: Lead and Other Contaminants Before and After Hurricane Katrina</i></p>
2:15 – 2:35	<p>Break</p>
2:35 – 3:20 p.m.	<p>Human Exposures to Airborne and Soilborne Contaminants</p> <p>Case Study</p> <p><i>Dr. Aubrey Miller, EPA; Greg Meeker, USGS; Dr. Geoff Plumlee, USGS -- Exposures to Environmental and Naturally-occurring Asbestos: examples from Libby, Montana, and El Dorado Hills, California</i></p> <p>This teamed presentation will provide an overview of current geological, mineralogical, and geochemical issues on asbestos</p>

	that may play a role in its health effects. Libby and other geologic ("naturally occurring") asbestos occurrences, mineralogic terminology, and a discussion of potential links between geochemical reactions and toxicity will be included.
3:20 – 4:05 p.m.	Human Exposures to Airborne and Soilborne Contaminants Breakout Sessions <i>Exposures to Environmental and Naturally- occurring Asbestos</i>
4:05 – 5:15 p.m.	Human Exposure to Environmental Contaminants Joint session to exchange ideas, identify and share common issues and themes identified in Day 1 and Day 2 sessions
6 March 2008	
8:00 – 9:00	Success Stories in Geology and Health <i>Interactive session involving Science Advisory Panel, speakers, and participants, emphasizing the positive but also including “lessons learned.”</i> <i>Participants are invited to provide examples of success stories when they register, and to bring several slides to the conference for inclusion in this discussion.</i>
9:00 – 9:30	Earth Materials and Health – Research Priorities for Earth Science and Public Health <i>Dr. Jose Centeno</i>
9:30 – 9:45	Break
9:45 – 11:00	Emerging Needs / Research Agenda <i>Dr. Tee Guidotti and Scientific Advisory Panel</i> <i>Interactive session involving Science Advisory Panel, speakers, and participants.</i>
11:00 - Noon	<i>Dr. Bernard Goldstein, University of Pittsburgh -- Building Bridges across the Geological and Health Sciences, and to Our</i>

	<p><i>Target Audiences (Public, Policy Makers, Decision Makers)</i></p> <p>The final presentation will summarize ways in which interdisciplinary research can help to address ongoing environmental concerns. It will suggest some ways in which collaborations could be strengthened and communicated to the general public and the media, and most importantly, to decision-makers, e.g., state and national legislators.</p>
Noon	Official adjournment