

# IEEE GEOSS Workshop XXXI – Using Earth Observation for Health; a workshop of the GEO Health and the Environment Community of Practice

This workshop will address user perspectives on applying Earth observations to improve health decision-making at the international, regional, country and district levels. Particular focus will be given to enhancing systems to model, collect and distribute coordinated epidemiological and environmental information to meet the diverse needs of the health community for predicting, monitoring, constructing risk maps and targeting interventions. Existing and emerging systems, tools and best practices will be reviewed. A plan for implementation of pilot projects will be developed.

**Organised in association with CEOS, CNES, EPA, JRC, IRI, ICEO, IEEE EMBS, ISPRS, GEO, NOAA, OGC, WHO**

**Location and Date: Hamilton Crowne Plaza Hotel, 14th and K Streets NW, Washington D.C. USA; November 12 and 13, 2009**

Details: go to <http://www.ieee-earth.org/events/geoss-workshop-xxxi-health>

## Day 1 Morning Session Moderator: Jay Pearlman

Time	Topic	Speaker
<b>SESSION 1: Opening</b>		
8:15	Welcome and Opening	<b>Helen Wood</b> USGEO; <b>Masami Onoda</b> GEO Secretariat; <b>Marc Apter</b> IEEE
8:25	Workshop Logistics	<b>Francoise Pearlman</b> , IEEE, <b>Joan Aron</b> , EPA
8:30	GEOSS Workshop on Health and the Environment, Geneva – July 2009 and World Climate Conference and WHO, Geneva – August/September 2009  Objectives of GEOSS Workshop XXXI	<b>Joaquim DaSilva</b> , WHO-AFRO, Zimbabwe
<b>SESSION 2: Community Perspectives</b>		
9:00	Partnering with User Communities – Panel discussion and open discussion (How are organizations planning to use Earth Observation for health?)	Panel Chair – <b>Phil Dickerson</b> , EPA office of air quality, planning and standards  <b>Roberto Bertollini</b> , WHO  <b>Andy Morse</b> , ICSU, Earth System Science Partnership, Joint Project on Global Environment Change and Human Health and The University of Liverpool  <b>Morgan Taylor</b> , World Federation of Public Health Associations
10:00	Coffee/tea break	
<b>SESSION 3: Support Mechanisms</b>		
10:30	Donor Agencies and Sponsor organizations – Panel discussing support strategy followed by open discussion	Panel Chair – <b>Murielle Lafaye</b> , CNES  <b>Amy Luers</b> , Google.org  <b>Andreas Skouloudis</b> , JRC  <b>Alejandro Deeb</b> , World Bank
11:30	Lunch – No host	

Day 1 Afternoon Session Moderators: Amy Budge		
<b>SESSION 4: Ecosystems, Climate and Health – policy, science, and applications</b>		
12:45	Ecosystems, Climate and Health panel	<p>Panel Chair – <b>Ramesh Dhiman</b>, ICMR, New-Delhi, India</p> <ol style="list-style-type: none"> <li>1. <b>Juli Trtanj</b>, NOAA (Oceans and Human Health, focus on Vibrio)</li> <li>2. <b>Francisco Mendonca</b>, Univ. Federal do Paraná, Dep. Geografia Centro Politécnico, Brazil (Dengue Fever in South America)</li> <li>3. <b>Murielle Lafaye</b>, CNES (Strategy overview for Malaria)</li> <li>4. <b>Elena Naumova</b>, Tufts University (Assessing the Effects of Air Pollution on Human Health Using Remote Sensing)</li> <li>5. <b>David Stevens</b>, UNOOSA and <b>Daphne Moffett</b>, ATSDR (Disasters and health, an introduction)</li> </ol>
14:30	Ecosystems, Climate and Health – open discussion	
15:00	Coffee/tea break	
<b>SESSION 5: Information Architecture for Environment, ecosystems, climate and health – toward interoperable systems</b>		
15:30	Information systems for health and the environment - panel	<p>Panel chair – <b>Nadine Alameh</b>, MobiLaps and OGC</p> <ol style="list-style-type: none"> <li>1. <b>Ivan Deloatch</b>, USGS – ADC (GEOSS Data) Architecture</li> <li>2. <b>Phil Dickerson</b>, EPA – Air Quality Information, Infrastructure, and Decision Support</li> <li>3. <b>Antonio Miguel Vieira Monteiro</b>, INPE; and <b>Christovam Barcellos</b>, Institute of Health Science and Technology Communication and Information, Oswaldo Cruz Foundation (Fiocruz), Rio de Janeiro, Brazil - The experience of integrating and disseminating data in the Brazilian Climate and Health Observatory</li> <li>4. <b>Len Flowers</b>, CDC - Environment Public Health Tracking Network</li> <li>5. <b>Anne Neale</b>, EPA - Development of US EPA's National Atlas of Ecosystem Services and implications for human health and well-being</li> </ol>
17:00	Information systems for health and the environment - open discussion	
17:30	Adjourn Day 1 meeting	

18:30 to 20:30	Professional Networking Social Session American Association for the Advancement of Science, 12 <sup>th</sup> & H Sts. NW Entrance Sponsored by IEEE-USA
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<b>Day 2 Morning Session</b> <b>Moderator: Joan Aron</b>
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Time	Topic	Speaker
<b>SESSION 6: Break out session – Community of Practice Involvement</b>		
8:15	Holistic View of Interoperability	<b>Luis Kun, IEEE</b>
8:30	Breakout sessions organization and charter	<b>Francoise Pearlman, IEEE</b>
8:45	Breakout sessions	A. Information Architecture for environment, ecosystems, climate, and health – toward interoperable systems B. Oceans, water quality and health projects C1. Vector-borne disease control – Dengue C2. Vector-borne disease control - Malaria D. Air quality and Human health E. Disasters and Health
10:00	Coffee/Tea Break	
10:30	Breakout sessions continued	Same groups as above
11:30	Lunch (no host)	

<b>Day 2 Afternoon Session</b> <b>Moderator: Pietro Ceccato</b>
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<b>SESSION 7: Report back and path forward</b>		
Time	Topic	Speaker
12:45	Reports and recommendations from breakout groups/community of practice	Breakout Leaders
14:30	Coffee/Tea Break	
14:45	Opportunities for 2010 Ministerial meeting showcases	<b>Jay Pearlman, IEEE</b>
15:00	Steps forward	Moderators/organizers
15:10	A vision for GEO and Health	<b>Pai-Yei Whung, EPA chief scientist</b>
15:30	Adjourn Workshop	