

Workshop on Space Technology for Public Health Actions in the Context of Climate Change Adaptation

In the framework of the Canadian *Public Health Association 2011 Conference*¹

June 19-21, 2011, Montreal, Québec, Canada

All sessions are located at the Palais des Congrès de Montréal².

Day 1: Sunday June 19th, 2011

Session 1: Tele-epidemiology contribution to public health actions

(Moderator: P. Michel, Public Health Agency of Canada), Room 521ab.

- 8:00 Registration & welcome
- 8:30 [General remarks](#) (Pascal Michel, Public Health Agency of Canada / Victor Kotelnikov, United Nations Office of Outer Space Affairs.)
- 8:50 [Tele-epidemiology of emerging infectious disease: perspectives and applications \(Lea Berrang Ford, McGill University, Canada\)](#)
- 9:05 [Application of Space Technologies to the Surveillance and Modeling of Waterborne Diseases](#) (Marià del Mar Lleò, University of Verona, Italy)
- 9:20 [2001-2011, ten years of Gulich Institute activity on Landscape Epidemiology](#) (Marcelo Scavuzzo, Instituto Mario Gulich, Argentina)
- 9:35 [The use of space technology in investigating animal diseases of public health interest in Morocco](#) (Mohammed Bouslikhane, Institute Veterinaire Hassan II, Morocco)
- 9:50 Questions
- 10:00 Break
- 10:20 [ESA Earth Observation applications in epidemiology](#) (Andreas Diekmann, European Space Agency)
- 10:35 [Land surface temperature as determinant of risk of heat-related events](#) (Audrey Smargiassi, Institut de la santé publique du Québec, Canada)
- 10:50 [Satellite Data, Global Change and Public Health](#) (Paola de Rosa, Canada Centre for Remote Sensing, Canada)
- 11:05 [Air Quality Satellite Remote Sensing for Public Health Risk Assessments](#) (Daniel Spitzer, A-MAPS Environmental Inc., Canada)
- 11:20 [The status of e-readiness in developing countries for Tele -surveillance](#) (Moretlo Molefi, Telemedicine Africa Pty Ltd, South Africa)
- 11:35 General discussion, questions from audience.

Lunch – 12:00 – 13:00

¹ http://www.cpha.ca/uploads/conf/2011/program_b.pdf

² <http://www.congresmtl.com/en/index.aspx?lg=en>

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Session 2: Telehealth contribution to addressing public health actions

(Moderator: Diane Thibault, Canadian Space Agency), Room 523.

- 13:00 [General remarks](#) (Diane Thibault, Canadian Space Agency)
- 13:10 [ESA activities in Telehealth and Tele-epidemiology: ARTES application programme](#) (Andreas Diekmann, European Space Agency)
- 13:25 [Keynote Speaker:](#) (Richard E. Scott, University of Calgary)
- 13:55 Telemedicine: Prenatal satellite-based system Inpresol [[Part 1](#)][[Part 2](#)] (Jaroslav Jansa, Czech Republic)
- 14:15 [Space Spin off for Preventive Telemedicine in Russia](#) (Sergey Koldybaev, Russian Academy of Sciences, Russia)
- 14:35 [Achievements of space medicine and biology in public health services practice on the Earth](#) (Tatiana Agaptseva, Russian Academy of Sciences, Russia)

- 14:55 Break

- 15:10 [GEOSS Health Community of Practice](#) (Montira J. Pongsiri, U.S. Environmental Protection Agency)
- 15:30 [Telemedicine/eHealth: Global Networking](#) (Frank Lievens, Med-e-Tel)
- 15:50 [Evolution of Mobile eHealth: Technology, Tools and Practices in India](#) (S.K. Mishra, Sanjay Gandhi PG Inst. of Medical Sciences, India)
- 16:10 [Report on the results of the VI space Conference of the Americas related with Telehealth](#) (Amanda Gomez Gonzalez, Secretariat Pro-Tempore, Mexico)
- 16:30 General discussion, questions from audience.

Day 2: Monday June 20th, 2011

Meet and Greet Breakfast (7:00 to 8:30) – Speaker: David St-Jacques, Astronaut, CSA
Room 515c

- 7:15 Welcome
- 7:40 Introduction (Jean-Marc Chouinard, Head Policy and Regulatory Affairs, CSA)
- 7:45 [Jean-Marc Comtois](#), Director Astronauts, Life Sciences and Space Medicine, CSA
- 7:55 [David St-Jacques](#), Astronaut, CSA
- 8:10 Discussion with participants

Session 3: Leveraging space technologies for public health, in the context of climate change adaptation – Stand alone session (Moderator: Pierre Gosselin, Institut National de la Santé Publique du Québec). Room 515c

- 8:45 Sum up of Day 1 of the workshop (Pascal Michel, PHAC and Diane Thibault, CSA)
Welcome and presentation of Day 2 program (Pierre Gosselin, INSPQ)
- 9:05 [CDC's recent experience and current projects with space technologies for public health](#) (George Lubber, CDC)

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- 9:40 [Use of satellite data for estimating air pollution exposure globally](#) (Randall Martin, Dalhousie University)
- 10:05 [Remote sensing for remote areas](#) (Janine Ramsey Willoquet, Centro Regional de Investigacion en Salud Pública/INSP, Mexico)
- 10:30 Break
- 10:55 [Evaluating greening initiatives effectiveness in Montreal with the Canadian urban modeling system](#) (Sylvie Leroyer, Environment Canada)
- 11:25 [Tracking Public Health from Space in the Context of Climate Change: Earth Observation Applications for Disasters Preparedness and Response](#) (Guy Aubé, Canadian Space Agency)
- 11:50 Panel on current needs and future paths for progress (representatives from NASA, CDC, PAHO, INSP, United Nations)
- 12:30 Lunch

Session 4: Networking with participants (14:30- 16:30) Room 515c

Day 3: Tuesday June 21th, 2011

Session 5 : Strategic Session on Integrating Space Technologies to Public health Actions: Building capacity, leadership and initiatives for the future (8:30 – 12:00) Room 515c

– Stand alone session, by invitation.

Moderator: Shane Roberts, DRDC - Centre for Security Science

- 8:30 [Welcome, introduction and goal](#)
- 8:45 Outcome from the UN-COPUOS 2011 STSC Session
- 9:00 Strategic considerations
- 9:30 Breakout session: proposals for future initiatives and a way forward
- 10:30 Break
- 11:00 Plenary discussion – reporting observations by group
- 11:50 Wrap-up and next steps
- 12:15 Lunch

Visit to the Canadian Space Agency, St-Hubert (1:30 – 5:00)

– By invitation.

- 13:30 Departure from the Palais des Congrès, Montréal
- 14:30 Visit to the Canadian Space Agency
- 16:00 Return to the Palais des Congrès, Montréal