

Collaborative multicriteria decision aid in public health: D-Sight solutions

THEMATIC WORKSHOP, SEPTEMBER 20TH, 2012

**HEC Montréal (3000, chemin de la Côte-Sainte-Catherine, Montréal, QC, Canada, H3T 2A7)
Room Ernst & Young (Édifice Côte-Sainte-Catherine, 1er étage)**

The director of **GERAD**, Prof. Jean-Philippe Waaub, invites you to be **part of a workshop seminar** that will address the importance of collaborative multicriteria decision-making in the public health sector.

We will have **Quantin Hayez**, CEO of **D-Sight**, as a guest speaker to share with the audience the latest **advancements on group decision-making** and how it influences the public health sector.

This one-day workshop will be divided into two main parts:

- The first one will be dedicated to introduce group **decision-making theory and methodologies** as well as existing solutions to face this kind of problematic. A real **case study about the Lyme disease** will also be presented.
- The second part of this workshop will be focused on a **practical case involving all the participants**. Everyone will be part of a group and will have the opportunity to learn how to solve a decision-making problem using D-Sight Web, an innovative collaborative decision-making platform.

If you want to be on **top of the latest technologies and trends** that are influencing the sector, this is the **right event**.

Guest speaker: Quantin Hayez

Since February 2010, Quantin Hayez has been the main driver of D-Sight, a spin-off company of the Université Libre de Bruxelles (ULB), Belgium, which develops innovative decision-making technology, which improves the way decisions are made. He developed the D-Sight Desktop software while being a Researcher at ULB. He has been recognized several times for his entrepreneurial spirit, and D-Sight already got awarded and selected to be present at top-level entrepreneurship and innovation events

Guest speaker from Public Health Agency of Canada: Pascal Michel

Pascal Michel completed his Doctoral degree in Veterinary Medicine in 1987 (U. Montreal), a Master in Preventive Veterinary Medicine (California, USA, 1992) and a Ph.D. in Epidemiology (U of Guelph, 1997). Since 2000, he is leading the program on Populations and the Environment at the Public Health Agency of Canada (Laboratory for Foodborne Zoonoses) and since the spring 2012 the program on Science to Policy from the same organisation. He concurrently holds a position of adjunct professor at the department of microbiology and pathology of the veterinary college of the University of Montréal as well as other academic affiliations (U. Laval, U. Sherbrooke, U. Guelph).

Dr Michel is a recognized expert in the application of geomatics and spatial analyses to population-based research, and has a profound interest in the application of modeling, analytical methods and decision analysis addressing priority public health risks arising from the interactions of human populations with

animals and the environment. He is a co-founder in 1999 of a multi-disciplinary research group studying the epidemiology of zoonoses (GREZOSP, University of Montreal).

Speaker from GERAD: Jean-Philippe Waaub

Since 1993, Jean-Philippe Waaub is professor (Full professor, since 1999) at the Geography Department, University of Quebec in Montreal. He is directing the Interdisciplinary Research Group in Geography and Regional Environment (GEIGER, UQAM) and the Group for Research in Decision Analysis (GERAD: HEC, Polytechnique, McGill, UQAM). He is Co-director of the Energy Environment Team at GERAD (E2G). His research in Quebec, Canada, Europe and Africa deals with Strategic environmental assessment (SEA), multicriteria and multi stakeholder decision aid tools and modeling of industrial systems related to climate change.

****REGISTRATION****

Registration is free but necessary. We would highly appreciate if you could [confirm](#) your attendance before September 14th, 2012. Be aware that the number of participants is limited to 30. Coffee breaks and lunch are included.

SCHEDULE

Time	Presentation	Speakers
09h00-9h15	Welcome and presentation of the program	Jean-Philippe Waaub
09h15-10h00	Introduction to Multicriteria decision aid Management of collaborative decision processes PROMETHEE and GAIA approaches Other methodological approaches	Jean-Philippe Waaub
10h00-10h30	Coffee break	
10h30-11h15	D-Sight decision-making software solutions. How it helps making better decisions? D-Sight web for collaborative decision processes	Quantin Hayez
11h15-12h00	Application example: Lyme disease Problem setting: appraisal and prioritization of surveillance and control interventions of Lyme disease Public Health : decision criteria Collaborative process: Who? Agenda? Contributions? Results: individual and group rankings, profiles, negotiation Lessons learned: data, decision aid tools, decision process	Jean-Philippe Waaub and Pascal Michel
12h00-13h30	Lunch	
13h30-15h00	Practical interactive and collaborative case on D-Sight Web with the participants How to deal with a collaborative decision-making project? How to manage the inputs of the different participants. Problem setting (objectives, issues, criteria, actions, assessment)	Quantin Hayez and participants
15h00-15h30	Coffee break	
15h30-16h30	Practical interactive and collaborative case on D-Sight Web with the participants How to analysis the results of the different stakeholders to reach a group decision. Collaborative process: rules, steps Results from D-Sight	Quantin Hayez and participants
16h30-17h00	Open discussion	All participants
17h00	End of the workshop	Quantin Hayez Jean-Philippe Waaub