



Canadian
GeoExchange
Coalition

Coalition
canadienne
de l'énergie
géothermique

4TH NATIONAL GEOEXCHANGE™ TECHNICAL & POLICY FORUM

November 15-16, 2010
Montréal, Québec



The next steps for GeoExchange...

MONDAY NOVEMBER 15, 2010

7:30-8:30	Breakfast & Trade Show Visits	
8:30-10:00	Welcoming Remarks & Morning Plenary	
10:00-10:30	Networking Break & Trade Show Visits	
	PARALLEL SESSION A	PARALELL SESSION B
10:30-12:00	Policies and regulations in the GSHP industry 1. Program cycles and long term impact of grants, subsidies and incentives (20 mins) 2. Policy perspectives from the Government of Canada 3. Effectiveness, efficiency and burden/weakness of current codes, standards and regulations in the GSHP industry	Some Technological Developments 1. Existing and emerging refrigerants: a state of the situation 2. New refrigerants and compressor technology: what's cooking? 3. Variable refrigerant flow technology and applications
12:00-13:30	Networking Lunch & Trade Show Visit	
13:30-15:00	Grants, Subsidies and other Incentives: W5H(Who, What, When, Where, Why, How) Perspectives from: 1. Provincial Government, Eastern Canada 2. Provincial Government, Central Canada 3. Provincial Government, Western Canada 4. Municipality, Eastern Canada 5. Municipality, Western Canada	Commercial Design Considerations 1. CGC's new design software 2. Centralized heat pump design strategies: pros and cons versus building function 3. Decentralized heat pump design strategies: pros and cons versus building function
15:00-15:30	Networking Break & Trade Show Visit	
15:30-17:00	Influencing Market Growth through Indirect Measures 1. Fiscal expenses as a substitute to direct incentives 2. Enabling legislations and regulations 3. Role of procurement policies in developing / strengthening market	Loop Issues and Considerations 1. Impact of pipes deformation on systems' commissioning and operation 2. Ice lensing and other hidden physical phenomena 3. Interaction between grout and HDPE/copper pipes: long term impact on system's performance
17:30-17:00	Cocktail & Trade Show Visit	
18:45-21:00	Dinner & Presentation of Leadership Award	

TUESDAY NOVEMBER 16, 2010

7:30-8:30	Breakfast & Trade Show Visits	
	PARALLEL SESSION A	PARALELL SESSION B
8:30 – 10:00	Market Growth through Market Diversification – Business and Policy Models 1. Business & Policy Model #1 2. Business & Policy Model #2 3. Business & Policy Model #3 4. Business & Policy Model #4	Soil thermal properties and their impact on long term system performances 1. The science of thermal conductivity testing: vertical & horizontal 2. The science of borehole thermal resistance 3. The science of thermal migration
10:00-10:30	Networking Lunch & Trade Show Visits	
10:30-12:00	Industry Capacity and Professional Liability in Commercial Applications 1. Legal requirements and professional responsibility 2. Risk management, litigations and insurance premiums 3. Workers' health and safety 4. Professional requirements and quality linked financing programs	Borehole construction practices and long term risk assessment 1. Long term system performance deficiencies and other risks associated with non grouted boreholes 2. Ground / hydrogeology conditions and interaction with grouting material in the long term 3. Material handling: a critical issue for long term loop integrity and system performance
12:00-13:30	Networking Lunch & Trade Show Visits	
13:30-15:00	Closing Plenary: Market Perspective and Barriers 1. Views from a heat pump manufacturer 2. Views from an installation company 3. Views from the drilling industry 4. Views form the academic sector 5. Views from an energy distributor 6. Views from a financial institution	
15:30	Closing Remarks	

*** All sessions are set up as panel discussions with the exception of the Welcoming Remarks & Morning Plenary