

2008 Atlantic Climate Change Conference: Risks, Responses, and Tools for Action Halifax, Nova Scotia March 6, 2008

*Workshop on utilising Lidar applications for integrating science and planning practice for coastal
climate change adaptation and mitigation.*

Thursday, March 6, 2008

8:30 - 11:45 am

Room G 70, Main Floor, Killam Memorial Library, Dalhousie University

Workshop Summary

Join other GIS professionals, academic researchers, government and private sector officials, and planning and engineering consultants to learn more about the practical application of Lidar based data for coastal climate change adaptation and mitigation.

Workshop staff will provide a detailed technical account of the development of a GIS based model to predict the impacts of sea level rise and storm surges as well as demonstrations of additional Lidar data uses.

Content

The workshop will include presentations, demonstrations, and discussions on:

- Sea level rise and storm surge modelling.
- Developing RFPs and contracts for Lidar services.
- Lidar processing software.
- Potential land use policy impacts of Lidar research.
- Alternate uses of Lidar data for land use planning and research purposes such as: archaeological research, transportation planning, 3D modelling of buildings, urban forestry, and watershed planning.
- Staff training, data sharing, and partnership opportunities to enable ongoing research and development of Lidarbased applications.

Workshop Staff

Gavin Manson and Dustin Whalen

Research Scientists
Geological Survey of Canada, Natural Resources Canada

Roger Wells

Manager, HRM Regional Plan Office

John Charles

Planner, HRM Real Property Planning

Darren Talbot

GIS Technician, HRM GIS Services

Allyson Fox

Lidar Specialist, Advanced Geomatics Research Group
Centre of Geographic Sciences

James Boxall

Director and Curator, GIS Centre and Map Collection
Killam Memorial Library, Dalhousie University

Workshop Agenda

8:30 am Welcome, introductions

8:45 Project overview

9:15 Q&A

9:30 Processing Lidar data

10:00 Break

10:15 RFP and Contract development

10:30 Lidar product demonstration

11:00 Group discussion (Lidar applications/R&D, partnership opportunities, data sharing, training)

11:40 Concluding remarks

Registration Information

For further information concerning the workshop contact John Charles at: 902 490 5771 or charlej@halifax.ca

To register, contact Sandra Patterson at: 902 464 7737 or spatterson@esans.ca.

The 2008 Atlantic Climate Change Conference program is available on the Environmental Services Association of Nova Scotia (ESANS) web site at: www.esans.ca

Workshop fee: \$50.00 + hst

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