

## **National Smoke Forum 2014 Agenda**

### *AM – The Importance of Wildfire Smoke, with an Overview of Current Technology and Tools That Help Inform Decision Making*

#### **[8:30 – 8:40] Administrative Matters**

##### Welcome and Goals: (Bill Cole, Ontario Ministry of Natural Resources)

- broaden/strengthen the national smoke community-of-practice
- facilitate an understanding of the current science, tools and needs related to wildfire smoke in order to inform decision making
- identify knowledge gaps and suggest a path forward to address these gaps

#### **[8:40 – 9:45] Wildland Fire Smoke – Why Do We Care?**

##### Introduction and Impacts:

- [8:40 - 8:55] A Global Fire/Smoke Perspective (Brian Stocks, BJ Stocks Wildfire Investigations)
- [8:55 – 9:10] The History of Wildland Fire Smoke in Manitoba (Barbara Crumb and Darlene Oshanski, Manitoba Office of Disaster Management)
- [9:10 – 9:25] Wildfire Smoke Contribution to Surface PM<sub>2.5</sub> in Halifax, Nova Scotia during the BORTAS-B Experiment (Mark Gibson, Dalhousie University)
- [9:25 -9:45] Wildfire Smoke and Health Evidence (Sarah Henderson, BC Centre for Disease Control)

#### **9:45-10:15 Break**

#### **[10:15 – 12:00] The State of Smoke Science, Information and Tools**

##### Wildfire and Smoke Analysis:

- [10:15 – 10:25] Initializing Fire & Smoke - Sources of Wildland Fire & Smoke Information (Roland Schigas, University of British Columbia)

##### Forecast Smoke:

- [10:25-10:35] BlueSky Canada (Kerry Anderson, Natural Resources Canada)
- [10:35 – 10:50] BlueSky Canada Research (Rosie Howard, University of British Columbia)
- [10:50– 11:15] Canadian Meteorological Centre Smoke Forecasting System: Firework 2014 (Didier Davignon, Environment Canada)

##### Smoke Verification/Assessment:

- [11:15 – 11:30] Smoke Forecast Model Performance (Steve Sakiyama, British Columbia Ministry of Environment)
- [11:30 – 11:45] Ground-truthing BlueSky Playground (David Schroeder, Alberta Environment and Sustainable Resources Development)
- [11:45 – 12:00] Smoke and Emissions Model Intercomparison Project and Implications (Sim Larkin, US Forest Service Airfire Team)

**12:00-1:00 Lunch**

**Posters**

*PM – Next Steps and Discussion*

[1:00 – 2:45] **Where Do We Go From Here...**

Projects For Improving Smoke and Related Health Science:

- [1:00 – 1:15] Monitoring Wildland Fire Smoke: Manitoba's Common Operating Picture (Dave Carpenter, Manitoba Office of Disaster Management)
- [1:15-1:30] Health Messaging in Wildland Fire Smoke Events: Manitoba's Approach (Jeffrey Joaquin, Manitoba Office of Disaster Management)
- [1:30 – 1:50] US Perspectives on the Future of Smoke Management (Pete Lahm, US Forest Service)
- [1:50 - 2:10] Future of Smoke Science (Sim Larkin, US Forest Service Airfire Team)
- [2:10 – 2:30] Future of Health Science (Sarah Henderson, BC Centre for Disease Control)
- [2:30 – 2:45] National Smoke Science Forum Proposal: Possible Smoke/Fire Research Organization Models (Brian Stocks, BJ Stocks Wildfire Investigations)

**2:45-3:00 Break**

[3:00 – 4:30] **... and How Do We Get There?** (Moderator: Jeff Eyamie, Health Canada)  
(Panel: Brian Stocks, Kerry Anderson, Pete Lahm, Barbara Crumb, Sim Larkin)

Possible Discussion Points/Questions:

- Who are the wildfire smoke stakeholders?
- What do users of smoke information need? A text smoke product? A probabilistic product? A dosage estimate?
- Is a standing National Smoke Forum needed to guide research, operations and formulate best practices?
- Do we need operational Canadian Smoke Resource Advisors?
- Can we form links between the US Joint Fire Science Council and a Canadian body?
- How do we educate end users on the use of these products and connect them with forecasters?
- What are the knowledge gaps in smoke science, and how do we address them?
- What opportunities exist for continued enhancements and operations of BlueSky after CSSP funding ends?
- Do we want a smoke conference at some point in the next several years?

[4:30 – 4:45] **Summary, Survey and Thank-yous** (Bill Cole)