

Storm Studies in the Arctic (STAR) Network Workshop

November 3-4, 2008

Downsview, Environment Canada
4905 Dufferin Street Toronto, Ontario, Canada, M3H 5T4

The Workshop will be held in the: **McTaggart-Cowan auditorium**

NOVEMBER 3 RD , 2008	
8:30-9:30	<p><u>WELCOME – OVERVIEW PRESENTATIONS</u></p> <ol style="list-style-type: none"> 1. JOHN HANESIAK (CO-LEAD) 2. TIM ASTON (CFCAS) 3. PETER JOHNSON (CHAIRMAN OF THE BOARD) 4. JAMAL SHIRLEY (NRI) 5. ED HUDSON (EC)
9:30-10:00	<p>STAR OVERVIEW – JOHN HANESIAK (UOFM)</p>
10:00– 10:30	<p>BREAK – COFFEE AND SNACKS in Solarium</p>
10:30-11:00	<p>DATA UPDATE/ACCESS – GEORGE LIU (UOFM)</p>
11:00 –12:00	<p><u>SCIENCE AND PARTNER PRESENTATIONS</u></p> <p>11:00 - RODICA NITU (EC) - WEM-MS C Iqaluit Test Site: Supporting an effective monitoring program in the Arctic</p> <p>11:15 - EDWARD HUDSON (EC) - <i>STAR Weather: Expectations versus Reality. October / November 2007 and February 2008 versus normals and some historical significant events</i></p> <p><u>THEME 1 – HAZARDOUS WEATHER RELATED CONDITIONS IN THE IQALUIT AREA AND THE EXPLOITATION OF CLOUDSAT-RELATED INFORMATION</u></p> <p>11:30 – SUMITA BISWAS (YORK) AND MARK GORDON (TRENT U) - <i>Blowing Snow Studies at Iqaluit Airport</i></p> <p>11:45 - MARNA ALBARRAN MELZER (YORK), MARK GORDON (TRENT U), PETER TAYLOR (YORK), JOHN HANESIAK (UOFM) AND SHANNON FARGEY (UOFM) - <i>Initial results from the STAR surface mesonet.</i></p>
<p>10 minute presentations with 5 minutes for discussion</p>	

<p>12:00-1:00</p>	<p>LUNCH catered in Solarium</p>
<p>1:00 – 3:00 10 minute presentations with 5 minutes for discussion</p>	<p><u>THEME 1 - CONTINUED.</u></p> <p>1:00 – WILL HENSON (MCGILL) - Vertical radar profiles over Iqaluit during STAR</p> <p>1:15 – MENGISTU WOLDE (NRC)- NAWX radar during STAR</p> <p>1:30– ALEX LEPLANTE (MCGILL) - Satellite-Derived Analysis of Cloud and Precipitation Features over Iqaluit</p> <p>1:45 – REBEKAH MARTIN (UOFM) JOHN HANESIAK (UOFM) AND GEORGE LIU (UOFM) – An overview of the November 17-19, 2008 Storm</p> <p>2:00 – SHANNON FARGEY (UOFM) , JOHN HANESIAK (UOFM) , AND REBEKAH MARTIN (UOFM) – Low level convection over Hudson Strait and associated precipitation in Iqaluit</p> <p>2:15 - DANIELLE DESJARDINS (UOFM) AND JOHN HANESIAK (UOFM)– Historical Extreme Events and What the Future May Hold</p> <p><u>THEME 2 – REGIONAL HAZARDOUS WEATHER-RELATED CONDITIONS AND SEA ICE IMPACTS</u></p> <p>2:30 – KLAUS HOCHHEIM (UOFM) AND DAVE BARBER (UOFM)– Deployment and data: the sea ice mesonet station in Frobisher Bay</p> <p>2:45 – RON GOODSON (EC) AND JOHN HANESIAK (UOFM) – Which Way Blows The Wind: STAR 3-hourly Soundings in Pangnirtung, November 17-18, 2008</p>
<p>3:00 – 3:30</p>	<p>BREAK – COFFEE AND SNACKS in Solarium</p>
<p>3:30-5:00</p>	<p><u>THEME 3 – PREDICTION CAPABILITIES AND IMPROVEMENTS TO OPERATIONAL FORECASTS OF HIGH IMPACT WEATHER</u></p> <p>3:30 – SHUNLI ZHANG (UOF T) AND KENT MOORE (UOF T) - A Numerical Study of Hurricane Noel (2007). Model Verification and Extratropical Transition</p> <p>3:45 – DANIEL DEACU (UOFM AND RPN/EC), AYRTON ZADRA (RPN/EC) AND JOHN HANESIAK (UOF M) - Simulating wind channeling over Frobisher Bay with GEM-LAM 2.5 km</p>

<p>10 minute presentations with 5 minutes for discussion</p>	<p>4:00 – GEORGE LIU (UOF M), JOHN HANESIAK (UOF M) , RON STEWART (UOF M) , RON GOODSON (EC), AND REBEKAH MARTIN (UOF M) - A Case Study of GEM-LAM over Southern Baffin Island</p> <p><i>THEME 4 – USER COMMUNITY INTERACTIONS</i></p> <p>4:15 - YVONNE BILAN-WALLACE (EC) (PRESENTED BY EDWARD HUDSON (EC)) - Storms Hazard Impact Project (SHIP)</p> <p>4:30 - EDWARD HUDSON (EC) AND LYNDA SCHULER (EC) - Weather Forecast Challenges for Southern Baffin Island Communities</p>
<p>4:45 – 5:00</p>	<p>DAY 1 CLOSING REMARKS</p>
<p>END OF DAY</p>	

NOVEMBER 4TH, 2008

9:00-9:30	SUMMARY OF DAY 1 – JOHN HANESIAK (UofM)
9:30-10:30 10 minute presentations with 5 minutes for discussion	DISCUSSION OF THEMES – WHERE TO FROM HERE . . . THEME 1 – RON STEWART THEME 2 – KENT MOORE THEME 3 – JOHN HANESIAK THEME 4 – GORDON McBEAN
10:00– 10:30	BREAK – COFFEE AND SNACKS in Solarium
10:30-12:00 20-30 minute Sessions	OPEN DISCUSSION SESSION/POSSIBLE BREAKOUT SESSIONS TOPICS: 1. OBSERVATIONAL ISSUES 2. MODELLING ISSUES 3. THEME 4 ISSUES 4. DATA MANAGEMENT ISSUES 5. POST STAR – IDEAS FOR FUTURE RESEARCH 6. ROUNDTABLE MODERATED BY JOHN HANESIAK & RON STEWART
END OF REGULAR WORKSHOP DISCUSSIONS	
12:00-1:00	<u>SCIENCE COMMITTEE MEETING</u> LOCATION: AIR QUALITY BOARDROOM (4th Floor, behind elevators) LUNCH WILL BE PROVIDED
1:00 – 4:00	<u>BOARD OF DIRECTORS MEETING</u> LOCATION: AIR QUALITY BOARDROOM (4th Floor, behind elevators) COFFEE BREAK - 2:30 PM

End of Day