

2008 NOAA ESRL GLOBAL MONITORING ANNUAL CONFERENCE

David Skaggs Research Center, Room GC-402
 325 Broadway, Boulder, Colorado 80305
 May 14 and May 15, 2008

Wednesday, May 14th, 2008 AGENDA

(Only presenter's name is given; see abstract for complete author listing.)

	Page No.
• Session 1	<i>Setting the Stage – R.C. Schnell (ESRL)</i>
0830-0840	Welcome and Introduction – <i>J.H. Butler (ESRL)</i>
0840-0900	Climate Feedbacks and Information for Policymakers – <i>A.E. MacDonald (ESRL)</i>
0900-0920	A New Look at Anthropogenic Atmospheric Carbon Dioxide – <i>D.J. Hofmann (University of Colorado/CIRES)</i> 1
0920-0940	How High Could CO ₂ Go? – <i>P.P. Tans (ESRL)</i>
0940-1000	Continued Permafrost Warming in Northern Alaska, 2007 Update – <i>G.D. Clow (U.S. Geological Survey)</i>
1000-1030	System S – <i>O. Verschueren (IBM)</i>
• 1030-1050	<i>Break</i>
• Session 2	<i>Carbon Cycle 1 – G. Petron (University of Colorado/CIRES)</i>
1050-1110	A Lagrangian Particle Dispersion Model Approach for Evaluating CarbonTracker – <i>A. Andrews (ESRL)</i>
1110-1130	Total Column Carbon Observing Network: Variability in Total Column CO ₂ and CO – <i>G. Keppel-Aleks (California Institute of Technology)</i>
1130-1150	Bridging Carbon Cycling and Air Quality Studies Using Atmospheric ¹⁴ CO ₂ – <i>J.B. Miller (University of Colorado/CIRES)</i>
1150-1210	Quantifying Regional GHG Emissions from Atmospheric Measurements: HFC-134a at Trinidad Head – <i>R.F. Weiss (Scripps Institution of Oceanography)</i>
• 1210-1300	<i>Lunch</i>
• Session 3	<i>Carbon Cycle 2 – A. Karion (University of Colorado/CIRES)</i>
1300-1320	Thirty Years of Global Atmospheric Methane and Ethane Monitoring: What Can Ethane Teach Us About Methane? – <i>I.J. Simpson (UC-Irvine)</i>
1320-1340	Causes of the Anomalous Atmospheric CH ₄ Growth Rate During 2007 – <i>L. Bruhwiler (ESRL)</i>
1340-1400	Looking Down the Tail Pipe of North America: A Case Study for the Use of Offshore Towers to Constrain the North American Carbon Budget – <i>C. Sweeney (University of Colorado/CIRES)</i>
1400-1420	Assessing Terrestrial Ecosystem Responses to Climate Change from Analysis of the Shape and Amplitude of the Seasonal Cycle of Atmospheric CO ₂ – <i>C. Nevison (National Center for Atmospheric Research)</i>
1420-1440	Progress of the Greenhouse Gases Monitoring Programme by the China Meteorological Administration (CMA) and Cooperative Projects – <i>L.X. Zhou (Chinese Academy of Meteorological Sciences)</i>
• 1440-1500	<i>Break</i>
• Session 4	<i>David J. Hofmann Recognition Session – J.H. Butler (ESRL)</i>
1500-1520	David Hofmann's Pioneering Observations of Stratospheric Volcanic Aerosols – <i>A. Robock (Rutgers)</i>
1520-1540	Stratospheric Aerosol from Pole to Pole: Balloonborne <i>In Situ</i> Observations – <i>T. Deshler (University of Wyoming)</i>
1540-1600	Increases in Stratospheric Aerosols – <i>J.E. Barnes (ESRL)</i>
1600-1620	Stratospheric Ozone Changes from Five Decades of Ground-Based Observations – <i>S.J. Oltmans (ESRL)</i>
1620-1640	Recent Accelerated Growth Observed for HCFCs in the Atmosphere – <i>S.A. Montzka (ESRL)</i>
1640-1700	Integrating NOAA's Climate Forcing Observations – The NOAA Annual Greenhouse Gas Index – <i>J.H. Butler (ESRL)</i>
• 1800-2100	<i>David J. Hofmann Retirement Dinner (Carelli's Restaurant, 645 30th Street, Boulder, 6:00 PM - 9:00PM)</i>

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Radiation and Aerosols – J.A. Augustine (ESRL)	
0830-0850 Observationally Closing the Gap between Climate Radiative Forcing and Changes in Radiation Climate – <i>E.G. Dutton (ESRL)</i>	20
0850-0910 Development and Implementation of a Variational Cloud Retrieval Scheme for the Measurements of the SURFRAD Observation System – <i>S.J. Cooper (ESRL)</i>	21
0910-0930 Comparison of UV-RSS Spectral Measurements and TUV Model Runs for the May 2003 ARM Aerosol Intensive Observation Period – <i>J.J. Michalsky (ESRL)</i>	22
0930-0950 Comparison of Aerosol Vertical Profiles from Spaceborne Lidar with <i>In Situ</i> Measurements – <i>J.A. Ogren (ESRL)</i>	23
0950-1010 Elemental and Organic Carbon Measurements in Fine PM from Urban to Rural to Background Air Over Canada: Understanding Human Impacts on Atmospheric Compositions – <i>L. Huang (Env. Canada)</i>	24
• 1010-1030	Break
• Session 6	
International Programs and Measurements – T.J. Conway (ESRL)	
1030-1050 Atmospheric Monitoring of the Malaysian Meteorological Department, Ministry of Science, Technology and Innovation, Malaysia – <i>L.L. Kwok (Malaysian Meteorological Department)</i>	25
1050-1110 GAW Activities at Empa – <i>J. Klausen (Empa Dübendorf)</i>	26
1110-1130 Quality Assurance and Quality Control in the WMO-GAW-VOC Network – <i>R. Steinbrecher (IMK-IFU)</i>	27
1130-1150 Climate Variability in the Region of Future Tiksi Hydrometeorological Observatory from a new Digital Archive of Meteorological Data, Sakha Republic, Russia – <i>A. Makshtas (Roshydromet)</i>	28
1150-1210 Observations of Mercury Species and Halogens at Summit, Greenland – <i>S.B. Brooks (NOAA ATTD)</i>	29
• 1210-1300	Lunch
• Session 7	
Halocarbons and Hydrocarbons – S.A. Montzka (ESRL)	
1300-1320 <i>In Situ</i> Ground and Aircraft Observations of Carbonyl Sulfide (COS): Evidence for Uptake – <i>J.W. Elkins (ESRL)</i>	30
1320-1340 Selected Results from Trace Gas Inter-Comparisons between AGAGE <i>In Situ</i> and NOAA Flask Data – <i>P.B. Krummel (Commonwealth Scientific and Industrial Research Organization (CSIRO))</i>	31
1340-1400 Measurements of Light Alkanes (C ₂ -C ₄) in Firn Air at Summit, Greenland and the West Antarctic Ice Sheet Divide: Is There Evidence for a Recent Decline in Polar Tropospheric Levels? – <i>M. Aydin (UC-Irvine)</i>	32
1400-1420 Identifying and Quantifying Sources of Halogenated Greenhouse Gases Using Lagrangian Dispersion Methods – <i>M. Maione (University of Urbino)</i>	33
• 1420-1440	Break
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Ozone – B.J. Johnson (ESRL)	
1440-1500 Stratospheric Air Sampled at the Surface at Mauna Loa Observatory – <i>G.S. Dutton (University of Colorado/CIRES)</i>	34
1500-1520 Primary Study on the Characteristics of Trace Gases in a Clean Area of North China – <i>B. Jianhui (Chinese Academy of Sciences)</i>	35
1520-1540 Ozone Chemistry and Transport Along a 2000 meter Altitude Gradient in the Colorado Front Range from Twelve Surface Sites and Balloon Sonde Observations – <i>D. Helmg (University of Colorado/INSTAAR)</i> ...	36
1540-1600 The Short-Term and Long-Term Stratospheric and Tropospheric Ozone Variability Available from Zenith Sky Measurements – <i>I. Petropavlovskikh (University of Colorado/CIRES)</i>	37
• 1615-1845	Poster Session (Room GC-402) - Refreshments will be served (Snacks and Wine)