

NOAA ESRL GLOBAL MONITORING DIVISION REVIEW

3-5 April 2013

David Skaggs Research Center, Room GC-402

325 Broadway, Boulder, Colorado 80305

Poster Session #1 AGENDA Wednesday, April 3rd, 2013

- ***13:15 – 14:15 Poster Session 1: Atrium***

Climate Forcing

1. Long-Term Measurements of Direct Aerosol Climate Forcing (*Betsy Andrews*)
2. A Characterization of Arctic Aerosols and their Forcing of the Surface Radiation Budget (*Robert Stone*)
3. Trace Gas Standards in Natural Air (*Duane Kitzis*)
4. Shorter-lived Trace Gases: Opportunities for Mitigating Ozone Depletion and Climate Change (*Steve Montzka*)
5. CarbonTracker Flux Estimates Using Measurements from the Global Greenhouse Gas Reference Network (*Mike Trudeau*)
6. NOAA GMD Global Greenhouse Gas Reference Network: A Global Cooperative Air Sampling Network Used to Constrain Greenhouse Gas Budgets (*Molly Crotwell*)
7. A Lagrangian Framework for North American Regional Scale Flux Estimation and Observing System Design (*Arlyn Andrews*)
8. The CARVE Tower and the Barrow Observatory: A Ground-Based Trace Gas Observing System for Detection of Arctic and Boreal Change (*Colm Sweeney*)
9. Laboratory and Mountain-Top Inter-Comparisons of NOAA/ESRL Trace Gas Sampling Systems (*Don Neff*)

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Poster Session #2 AGENDA Thursday, April 4th, 2013

- **12:50 – 13:45 Poster Session 2: Atrium**

Ozone Depletion

1. GMD'S Part in Monitoring the Earth's Ozone Layer (*Bryan Johnson*)
2. GMD's Role in Calibrating the World Dobson network (*Bob Evans*)
3. ¹⁴C-based Emission Estimates for Halocarbons and other Greenhouse Gases across the U.S. (*Steve Montzka*)
4. Validation of satellite ozone-depleting substance measurements from airborne platforms (*David Nance*)
5. Three Decades of Continuous Monitoring of Long-lived Halocarbons (*Geoff Dutton*)

Air Quality and Regional Studies

1. Trends in Stratospheric Aerosol: Anthropogenic or Volcanic (*Ryan Neely*)
2. Aerosol and Albedo Ground Truth and Analysis for DISCOVER-AQ (Phase II - Central Valley California) (*Kathy Lantz*)
3. Wintertime 2013 Ozone Production in the Uintah Basin (*Chelsea Stephens*)
4. Regional Volatile Organic Carbon Signatures (*Ben Miller*)