

Brief Afternoon Presentations

- Carl Brenninkmeyer
- Andrew Post
- Jacek Kaminski
- Steve Arnold
- David Stevenson
- Daven Henze
- Stefano Galmarini (F. Dentener)

1.6.2 Source-Receptor Analyses

Modeling Groups That Have Indicated Interest

Institution	Country	Model
NASA GSFC	United States	GEOS-5/GOCART, NU-WRF
Univeristy of Edinburgh	United Kingdom	STOC-HadAM3/UKCA (WRF-EMEP)
CIEMAT	Spain	CHIMERE
MIT	United States	GEOS-Chem
NIWA	New Zealand	niwa-UKCA
Norwegian Meteorological Institute	Norway	EMEP MSC-W
University of Colorado Boulder	United States	GEOS-Chem
Princeton University & NOAA GFDL	United States	GFDL AM3
Michigan Technological University	United States	GEOS-Chem
University of Wisconsin--Madison	United States	CMAQ
Lancaster University	United Kingdom	FRSGC/UCI CTM
York University	Canada	GEM-AC
University of Leeds	United Kingdom	CAM-chem
Met Office Hadley Centre	United Kingdom	HadGEM2
NCAR	United States	CAM-chem
Institute for Advanced Sustainability Studies	Germany	CAM-Chem
Indian Institute of Tropical Meteorology	India	WRF-Chem
ICIMOD	Nepal	WRF-Chem
Meteorological Synthesizing Centre - East	Russia	GLEMOS
Environment Canada	Canada	GEM-MACH
CICERO	Norway	OsloCTM3

Participation Survey Responses

- What region will model focus on?

- Gas Phase Chemistry 21
- Aerosol Chemistry 21
- Coupled Met/Chem 12
- Mercury 3
- POPs 1

Global	GLO	13
N America	NAM	3
Europe	EUR	3
East Asia	EAS	1
South Asia	SAS	3
Rus, Bel, Ukr	RBU	1
Middle East	MDE	1
SE Asia	SEA	2
Central Asia	CAS	1
N	NAF	1
Mex/C America	MCA	0
Southern Africa	SAF	0
South America	SAM	0
Aust/NZ/Pacific	PAN	0
Oceans	OCN	0

Participation Survey Responses

		2008	2009	2010						
Base	BAS	14	11	20						
-20% Methane Conc	MTH	7	7	13						
		20% Δ All Anthr Emiss			-20% Δ By Pollutant (3)			-20% Δ By Sectors (~5)		
		2008	2009	2010	2008	2009	2010	2008	2009	2010
Global	GLO	8	6	17	1	1	9	0	0	6
N America	NAM	7	3	15	1	1	8	0	0	6
Europe	EUR	8	3	18	1	1	11	0	0	8
East Asia	EAS	7	3	17	1	1	9	0	0	6
South Asia	SAS	9	3	17	1	1	11	0	0	7
Rus, Bel, Ukr	RBU	3	2	12	0	0	5	0	0	3
Middle East	MDE	3	1	12	0	0	5	0	0	3
SE Asia	SEA	0	0	4	0	0	0	0	0	0
Central Asia	CAS	0	0	2	0	0	0	0	0	0
N Afr/Sahara/Sahel	NAF	0	0	2	0	0	0	0	0	0
Mex/C America	MCA	0	0	2	0	0	0	0	0	0
Southern Africa	SAF	0	0	3	0	0	0	0	0	0
South America	SAM	0	0	3	0	0	0	0	0	0
Aust/NZ/Pacific	PAN	0	0	3	0	0	0	0	0	0
Oceans	OCN	0	0	3	0	0	0	0	0	0

Participation Survey Responses

- Analysis WPs

WP2.6 S/R Methods Comparison	6
WP3.2 North American Inflow	5
WP3.3 AQMEII	2
WP3.4 MICS	2
WP3.5 AeroCom	3
WP3.6 CCMI	3
WP3.7 POLMIP	2
WP3.8 Global Ozone	6
WP3.9 Satellite Obs	8
WP3.10 GMOS	1
WP3.11 POPs	1
WP4.1 Health Impacts	7
WP4.2 Vegetation Impacts	5
WP4.3 Climate Impacts	8
RegionalBudgets.12	7
VerticalProfiles.13	7
OpticalProperties.14	2
BC.15	5
SulfateNitrateBudget.16	4
BiomassBurningSens.17	6
LocalScaleSens.18	2
OzoneDepoStomatalFlux.21	7

Schedule For Modeling Simulations

Global Models for BCs		1-Feb-2014
MICS-Asia Meeting		20-Feb-2014
Global Base Runs		1-Apr-2014
Health Methods Workshop		12-May-2014
Ecosystem Methods Workshop		20-May-2014
HTAP-MICS Meeting		22-May-2014
Global Perturbation Runs		1-Jun-2014
Regional Runs		1-Sep-2014
Modeling - Obs Evaluation Workshop	?	
Scenario Workshop	?	
Data Set To Be Used for Publication		31-Dec-2014
Impacts Results Workshop	?	
Report to LRTAP Convention		1-Jun-2015

- Targets Reasonable?
- What “meetings of opportunity” might we exploit?
- Additional Follow Up Mechanisms Needed?

Discussion Topics

- Linking to Regional Efforts
 - Global to Regional Boundary Conditions
 - VOC Speciation for BCs
 - AQMEII/HTAP Data Management
 - MICS/HTAP Data Management
- Model Documentation Template
- VOC and PM Speciation of Emissions
- Observations
 - Additional Station Coordinates?
 - Data Access Issues?
 - WP3.2 “CalNex” Obs/HTAP Data Management
- How can chairs support WP leaders?
- *Work Plan should not be restrictive. Use the inputs, outputs, and tools, just share your findings (and the credit).*