



● CONFERENCES AND SEMINARS

Presentations 2021

1. *Recent updates to the atmospheric aerosol modelling of the ECMWF IFS in support to CAMS*, Rémy, S., Kipling, Z., Huijnen, V., Flemming, J., Metzger, S., and Engelen, R.; EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-14367, <https://doi.org/10.5194/egusphere-egu21-14367>, 2021.
2. On the influence of aerosol hygroscopic growth on meteorology using model data — from global to urban scales, [Swen Metzger](#) [1,2], Gregor Feigel [1], Benedikt Steil [3], Samuel Rémy [4], Andreas Christen [1], Sue Grimmond [5], [1] [University of Freiburg \(DE\)](#), [2] [ResearchConcepts io GmbH \(DE\)](#), [3] [Max Planck Institute for Chemistry \(DE\)](#), [4] [HYGEOS \(FR\)](#), [5] [University of Reading \(UK\)](#). Presented at the [10th Annual EMAC Symposium](#), May 31 - June 2, 2021, virtually via [Zoom](#), hosted by the [Institut für Physik der Atmosphäre, DLR, Oberpfaffenhofen](#), Germany. [View Agenda pdf \(68 KB\)](#), [View Teaser pdf \(2.6 MB\)](#), [view poster pdf \(12.9 MB\)](#).

Presentations 2020

1. Recent updates in the aerosol model of the ECMWF IFS and their impact on skill scores, Zak Kipling¹, **Samuel Rémy**², Swen M Metzger³, Johannes Flemming¹, Richard J Engelen¹ and Vincent Huijnen⁴, (1) European Centre for Medium-Range Weather Forecasts, Reading, United Kingdom, (2) HYGEOS, Lille, France, (3) ResearchConcepts io GmbH, Freiburg i.Br., Germany, (4) Royal Netherlands Meteorological Institute, De Bilt, Netherlands, AGU Fall Meeting, 1-17 December 2020, online, [A123-04](#), Friday, 11 December 2020.

Presentations 2019

1. Recent EMEP MSC-W model developments to improve secondary inorganic aerosols, Presented by Svetlana Tsyro (EMEP/MS-CW/Met Norway introducing EQSAM4clim - a new thermodynamic equilibrium model for EMEP/MS-CW), [20th Annual Meeting of Task Force on Measurements and Modelling \(TFMM\)](#), May 7-9, 2019, Madrid, Spain.
2. *From Air Pollution to Climate Change - Model Evaluation Results Featuring EQSAM4clim*, **Swen Metzger**, [ResearchConcepts io GmbH](#), Freiburg i.Br., Germany, presented (oral) at the [9th Annual EMAC Symposium](#), July 02 - 04, 2019, [Forschungszentrum Jülich](#), Germany. [Download pdf](#).
3. *Evaluation of the MetOp PMAp Version 2 AOD Products using EMAC Model Data, AERONET Ground Station and Reference Satellite Observations (MISR and MODIS-AQUA/TERRA)*, **S. Metzger** ([ResearchConcepts io GmbH](#)), M. Abdelkader ([KAUST](#)), K. Klingmüller and B. Steil ([MPIC](#)), A. Cacciari, M. Grzegorski, R. Lang, R. Munro, M. V. Navarro, and B. Fougnie ([EUMETSAT](#)), presented (oral) at the [2019 Joint Satellite Conference](#), 29 September - 4 October 2019 in Boston, MA. [Download pdf](#).

Presentations 2018

1. *Comparing the ISORROPIA and EQSAM Aerosol Thermodynamic Options in CAMx*, Bonyoung Koo [1], Swen Metzger [2], Chris Emery [1], Gary Wilson [1] & Greg Yarwood [1]; [1] [Ramboll](#), 773 San Marin Dr., Suite 2115, Novato, CA 94945, USA, [2] [ResearchConcepts io GmbH](#), Freiburg im Breisgau, Germany. Presented at the [ITM 2018 - 36 TH INTERNATIONAL TECHNICAL MEETING ON AIR POLLUTION MODELLING AND ITS APPLICATION](#), 14 - 18 MAY 2018, THE LORD ELGIN HOTEL, OTTAWA, CANADA, (IN CONJUNCTION WITH THE ANNUAL WMO-GURME MEETING). [Download pdf](#).
2. EoCoE Project [deliverable](#): Formulation for optimization under uncertainty, *Cumpston, J.; Metzger, S.; Mitsos, A, Presented at the [EoCoE final project meeting](#), 17th and 18th of September 2018, Nicosia, Cyprus.



Presentations 2016 - I

1. DNI forecasting with EMAC - Recent aerosol updates and further needs, *Sven Metzger. Presented at the ATF MEETING, Max Planck Institute for Chemistry, 18 February 2016.
2. Aerosol optical depth trend over the Middle East, *Klaus Klingmueller (1), Andrea Pozzer (1), Sven Metzger (1,2), Mohamed Abdelkader (1), Georgiy Stenchikov (3), Jos Lelieveld (1,2); (1) Max Planck Institute for Chemistry, Mainz, Germany, (2) The Cyprus Institute, Nicosia, Cyprus, (3) King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, accepted for Session AS3.12 Atmospheric composition variability and trends, <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-12142.pdf>, EGU Vienna, Austria, 17-22 April 2016
3. .EMAC - Potential for renewable energy forecasting?, Sven Metzger, The Cyprus Institute (<http://www.cyi.ac.cy>) (speaker Holger Tost; <http://www.staff.uni-mainz.de/tosth/>), 6th Annual EMAC Symposium (<http://www.messy-interface.org>), June 29 - July 1, 2016 IPA / DLR (<http://www.dlr.de/ipa/>), Oberpfaffenhofen, Germany.
4. Energy oriented Centre of Excellence for computing applications (www.EoCoE.eu) Task 2.3 - Optimal operation of Concentrated Solar Power (CSP) under Weather Uncertainty, *Jeff Cumpston ([AVT.SVT RWTH Aachen](http://www.AVT.SVT.RWTHAachen.de)) and Sven Metzger (The Cyprus Institute, <http://www.cyi.ac.cy>), Poznan, Poland, 4th - 6th July, 2016.
5. Global Evaluation of Metop PMAp Version 2 AOD against ground observations, independent satellite platforms and EMAC model results, *Mohamed Abdelkader (1), Sven Metzger (1,2), Michael Grzegorski (3), Andriy Holdak (3), Klaus Klingmüller (1), Benedikt Steil (1), Rüdiger Lang (3), Rosemary Munro (3), Jos Lelieveld (1,2); (1) Max Planck Institute for Chemistry, Mainz, Germany, (2) The Cyprus Institute, Nicosia, Cyprus, (3) EUMETSAT, Darmstadt, Germany, presented at the EUMETSAT 2016 - Meteorological Satellite Conference, 26 - 30 September 2016, Darmstadium, Darmstadt, Germany.
6. Comparison of Metop PMAp Version 2 AOD with EMAC model results, *Sven Metzger (1,2), Mohamed Abdelkader (1), Michael Grzegorski (3), Andriy Holdak (3), Klaus Klingmüller (1), Benedikt Steil (1), Rüdiger Lang (3), Rosemary Munro (3), Jos Lelieveld (1,2); (1) Max Planck Institute for Chemistry, Mainz, Germany, (2) The Cyprus Institute, Nicosia, Cyprus, (3) EUMETSAT, Darmstadt, Germany, presented at the EUMETSAT 2016 - Meteorological Satellite Conference, 26 - 30 September 2016, Darmstadium, Darmstadt, Germany. [Presentation](#).

Presentations 2016 - II

1. Global Evaluation of Metop PMAp Version 2 AOD against ground observations, independent satellite platforms and EMAC model results, Mohamed Abdelkader, Sven Metzger, Michael Grzegorski, Andriy Holdak, Klaus Klingmüller, Benedikt Steil, Rüdiger Lang, Rosemary Munro, Jos Lelieveld, EUMETSAT 2016 - Meteorological Satellite Conference, 26 - 30 September 2016, Darmstadium, Darmstadt, Germany. [Presentation](#).
2. Sensitivity Study of Cross-Atlantic Dust Transport to Dust Emissions, Chemical Aging and Removal Processes and Comparison with Ground and Satellite Data, Mohamed Abdelkader [1], Sven Metzger [1,2], Klaus Klingmüller [1], Benedikt Steil [1], Jos Lelieveld [1,2]; [1] Max Planck Institute for Chemistry, [2] The Cyprus Institute, The Energy, Environment and Water Research Center (EEWRC), Nicosia, Cyprus, Presented at Session AS3.2 Constraining global aerosol model forcing estimates with in-situ observations, EGU Vienna, Austria, 17-22 April 2016; klick for [Session overview](#) and the [Presentation](#).



Presentations 2015

1. INTEGRATED STUDY OF DUST-AIR POLLUTION INTERACTION OVER THE EASTERN MEDITERRANEAN, *Mohamed AbdelKader[1], Swen Metzger[1,2], Rodanthi-Elisavet Mamouri[3], Albert Ansmann[3,4], Diofantos Hadjimitsis[3], Leonard Barrie[5], Zev Levin[1,6], Jos Lelieveld[1,2]; [1] The Cyprus Institute (Cyl), Centre for Energy Environment and Water, Nicosia, 2020, Cyprus; [2] Max Planck Institute for Chemistry, Mainz, 55128, Germany; [3] Cyprus University of Technology (CUT), Dep. of Civil Engineering and Geomatics, Limassol, 3036, Cyprus; [4] Leibniz Institute for Tropospheric Research, Leipzig, 04318, Germany; [5] Department of Geological Sciences, University Stockholm, SE-106 91, Sweden; [6] Tel Aviv University, Tel Aviv, 39040, Israel; EWACC 2015 – Building Bridges Conference, Nicosia, Cyprus, June 15-17, 2015; <http://www.futureearth.org/events/ewacc-2015-building-bridges-conference>.
2. Towards aerosol forecasting – development of GMx2, Swen Metzger[1,2], [1] The Cyprus Institute (Cyl), Centre for Energy Environment and Water, Nicosia, 2020, Cyprus; [2] Max Planck Institute for Chemistry, Mainz, 55128, Germany; Presented at the 5th Annual EMAC Symposium, Forschungszentrum Jülich, FZJ, 16-18 June 2015.
3. Integrated Study of Dust-air pollution Interaction over the Eastern Mediterranean, *Mohamed AbdelKader[1], Swen Metzger[1,2], Marina Astitha[3], Rodanthi-Elisavet Mamouri[3], Albert Ansmann[4,5], Diofantos Hadjimitsis[4], Leonard Barrie[6], Zev Levin[1,7], Jos Lelieveld[1,2]; [1] The Cyprus Institute (Cyl), Centre for Energy Environment and Water, Nicosia, 2020, Cyprus; [2] Max Planck Institute for Chemistry, Mainz, 55128, Germany; [3] University of Connecticut, Storrs-Mansfield, 06269, USA; [4] Cyprus University of Technology (CUT), Dep. of Civil Engineering and Geomatics, Limassol, 3036, Cyprus; [5] Leibniz Institute for Tropospheric Research, Leipzig, 04318, Germany; [6] Department of Geological Sciences, University Stockholm, SE-106 91, Sweden; [7] Tel Aviv University, Tel Aviv, 39040, Israel. Accepted to be presented at the AGU Fall Meeting, San Francisco, 14-18 December, 2015 (<https://agu.confex.com/agu/fm15/meetingapp.cgi/Paper/78204>).
4. Sensitivity Study of Cross-Atlantic Dust Transport to Dust Emissions, Chemical Aging and Removal Processes and Comparison with Ground and Satellite Data, Swen Metzger[1,2], Mohamed Abdelkader[1], Klaus Klingmüller[1], Jos Lelieveld[1,2], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany. Accepted to be presented at the AGU Fall Meeting, San Francisco, 14-18 December, 2015 (<https://agu.confex.com/agu/fm15/meetingapp.cgi/Paper/82225>).
5. WP 2.3 - Contribution to: *Optimal operation of Concentrated Solar Power (CSP) under Weather Uncertainty*, Swen Metzger, The Cyprus Institute (<http://www.cyi.ac.cy>), EoCoE Kickoff meeting (www.EoCoE.eu), October 5-6th, 2015, CEA, Maison de la Simulation, Paris-Saclay, France.

Presentations 2014

1. Notes on Aerosol Modeling with EMAC - Cyl version, *Swen Metzger and Mohamed Abdel Kader. Presented at the EMAC INTERNAL MEETING, Max Planck Institute for Chemistry, 3-7 February 2014.
2. REMOTE SENSING OBSERVATIONS AND MODEL SIMULATIONS OVER CYPRUS: A DESERT DUST EVENT ANALYSIS, *MAMOURI R.E., NISANTZI A., ANSMANN A., HADJIMITSIS D, ABDEL KADER M., S. KLENTHOUS, METZGER S., LELIEVELD J., KLINGMÜLLER K., BARRIE L. AND LEVIN Z. Presented at the 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), Heraklion, Crete, 28-31 May 2014.
3. Dust Event over Eastern Mediterranean - Modeling and LIADR Observation, Strong Interaction with European Air Pollution: *Mohamed AbdelKader[1], Swen Metzger[1,5], Klaus Klingmüller[1], Rodanthi-Elisavet Mamouri[2], Albert Ansmann[3], Diofantos Hadjimitsis[2], Argyro Nisantzi[2], Leonard Barrie[4], Jos Lelieveld[1,5], Zev Levin[1,6], [1] The Cyprus Institute (Cyl), Centre for Energy Environment and Water, Nicosia, 2020, Cyprus [2] Cyprus University of Technology (CUT), Dep. of Civil Engineering and Geomatics, Limassol, 3036, Cyprus, [3] Leibniz Institute for Tropospheric Research, Leipzig, 04318, Germany, [4] Department of Geological Sciences, Stockholm University, SE-106 91, Sweden, [5] Max Planck Institute for Chemistry, Mainz, 55128, Germany, [6] Tel Aviv University, Tel Aviv, 39040, Israel, Presented at DUST2014: International Conference on ATMOSPHERIC DUST, Castellana Marina (TA), Italy - June 1-6, 2014.
4. Dynamics of Dust-Air pollution interactions over the Eastern Mediterranean,
5. *Mohamed Abdelkader[1], Swen Metzger[1,2], Jos Lelieveld[1,2], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany. Presented at the 4th Annual EMAC Symposium July 14-16, FUB, Berlin, 20014.
6. Sensitivity Study of Cross-Atlantic Dust Transport to Dust Emissions, Chemical Aging and Removal Processes,
7. *Mohamed Abdelkader[1], Swen Metzger[1,2], Jos Lelieveld[1,2], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany. Not presented at the Joint 13th Quadrennial ICACGP Symposium /13th IGAC Science Conference. Natal, Brazil, 22-26 September, ICACGP/IGAC-2014.
8. Sensitivity Study of Cross-Atlantic Dust Transport and Comparison with Ground and Satellite Data (AERONET, MODIS, CALIPSO and PMAp), *Swen Metzger[1,2], Mohamed Abdel Kader[1], Klaus Klingmüller[1], Jos Lelieveld[1,2], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany. Presented at the EUMETSAT 2014 Meteorological Satellite Conference, Geneva, Switzerland, 22nd to 26th September, 2014.



Presentations 2013

1. Update on the Equilibrium Simplified Aerosol thermodynamic Model: An improved version for climate modeling (EQSAM4clim), *Sven Metzger[1,2], Mohamed Abdelkader[1], Benedikt Steil[2], Jos Lelieveld[1,2,3], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany, [3] King Saud University, Riyadh, Saudi Arabia. Presented at the 3rd Annual [EMAC Symposium, KIT](#), Karlsruhe, 14 June 2013.

Presentations 2012

1. The importance of aerosol water for air pollution effects on weather and climate, *Sven Metzger[1,2], Klaus Klingmüller [1], Panos Hadjinicolaou [1], Nikos Mihalopoulos [1,3], B. Steil[2], C. Brühl[2], J. Lelieveld[1,2,4], [1] The Cyprus Institute, Nicosia, Cyprus, [2] Max Planck Institute for Chemistry, Mainz, Germany [3] University of Crete, Crete, Greece, [4] King Saud University, Riyadh, Saudi Arabia, EWACC 2012 – Building Bridges Conference, Nicosia, Cyprus, December 10-12, 2012 <http://ewacc2012.cyi.ac.cy/>.

Presentations 2011

1. EQSAM4 – Aerosol water parameterization for atmospheric modeling, *Sven Metzger (1), Benedikt Steil (1), Li Xu (2), Joyce Penner (2), and Jos Lelieveld (1), Max Planck Institute for Chemistry, Mainz, Germany, (2) University of Michigan, Ann Arbor, Michigan, USA, Geophysical Research Abstracts Vol. 13, EGU2011-5933, 2011 EGU General Assembly 2011.
2. A comparison of inorganic aerosol thermodynamic properties predicted by EQSAM4 and EQUISOLV II, Li Xu (1), Joyce Penner (1), *Sven Metzger (2), and Jos Lelieveld (2); (1) University of Michigan, Ann Arbor, Michigan, USA, (2) Max Planck Institute for Chemistry, Mainz, Germany.
3. Aerosol hygroscopic growth parameterization based on a solute specific coefficient, *S. Metzger(1), B. Steil(1), L. Xu(2), J. E. Penner(2), and J. Lelieveld(1,3); (1)Max Planck Institute for Chemistry, Mainz, Germany, (2) University of Michigan, Ann Arbor, Michigan, USA, (3) The Cyprus Institute, Nicosia, Cyprus, 6th CLM-Community Assembly, 30 August – 2 September 2011, Cava de' Tirreni, Italy.

Presentations 2008

1. *S. Metzger (MPIC) and R. Lang (EUMETSAT, Darmstadt), *Evaluating cloud fraction modelling with satellite observations*. Presented at the DPG-Frühjahrstagung 2008 der DPG-Fachverbände "Umweltphysik" (UP), und des Arbeitskreises "Atom- und Molekülphysik" (AMOP). <http://www.dpg-tagungen.de/>, Darmstadt, Germany, 11 - 13 March 2008.
2. Session Information - AS3.18 Importance of aerosol water uptake and organic nitrogen compounds (co-listed in BG). *S. Metzger and J. Lelieveld (MPIC): *The importance of aerosol water for air pollution effects on weather and climate*. Presented at the EGU General Assembly 2008. Atmospheric Sciences Programme, Vienna, Austria, 13 - 18 April 2008. <http://meetings.copernicus.org/egu2008/>.
3. Session Information - AS3.18 Importance of aerosol water uptake and organic nitrogen compounds (co-listed in BG). Metzger, S; *Pringle, K; Lelieveld, J (MPIC): *Introducing the GM7/EQSAM3 aerosol dynamics and thermodynamics model; a more comprehensive treatment of hygroscopic growth*. Presented at the EGU General Assembly 2008. Atmospheric Sciences Programme, Vienna, Austria, 13 - 18 April 2008. <http://meetings.copernicus.org/egu2008/>.
4. Session Information - AS3.18 Importance of aerosol water uptake and organic nitrogen compounds (co-listed in BG). S. Metzger (MPIC) and *R. Lang (EUMETSAT, Darmstadt): *Evaluating cloud fraction modelling with satellite observations*. Presented at the EGU General Assembly 2008. Atmospheric Sciences Programme, Vienna, Austria, 13 - 18 April 2008. <http://meetings.copernicus.org/egu2008/>.
5. Session Information - AS3.18 Importance of aerosol water uptake and organic nitrogen compounds (co-listed in BG). *Morales-Garcia, F and Mayol-Bracero, O L, Institute for Tropical Ecosystem Studies (ITES) and Department of Chemistry, University of Puerto Rico (UPR), San Juan, PR, Metzger, S, and Lelieveld, J, Max Planck Institute for Chemistry: *Hygroscopicity of atmospheric particles in the Caribbean: the impact of organics using the EQSAM3*. Presented at the EGU General Assembly 2008. Atmospheric Sciences Programme, Vienna, Austria, 13 - 18 April 2008. <http://meetings.copernicus.org/egu2008/>.
6. Session Information - AS3.18 Importance of aerosol water uptake and organic nitrogen compounds (co-listed in BG). *Xu, L and Penner, J E, Department of Atmospheric, Oceanic and Space Science (AOSS), University of Michigan, Metzger, S, Max Planck Institute for Chemistry (MPIC): *A comparison of water uptake by aerosols using two thermodynamic models*. Presented at the EGU General Assembly 2008. Atmospheric Sciences Programme, Vienna, Austria, 13 - 18 April 2008. <http://meetings.copernicus.org/egu2008/>.
7. *Xu, L and Penner, J E, Department of Atmospheric, Oceanic and Space Science (AOSS), University of Michigan, Metzger, S, Department of Atmospheric Chemistry, Max Planck Institute for Chemistry (MPIC): *A comparison of water uptake by aerosols using two thermodynamic models*. Poster presented at the 18th Annual ARM Science Team meeting 2008, USA.



Presentations 2007 - I

1. S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept, ISAC CNR Seminar, Bologna, Italy, 20 February 2007 (Invited).
2. S. Metzger, Aerosol/Clouds/Radiation coupling in COSMO-CLM (first results within the Antistrom project), [CLM-Community \(http://www.clm-community.eu\)](http://www.clm-community.eu) Assembly, DWD Convention Center, BTZ Langen, 7-9 March 2007.
3. *S. Metzger, J. Lelieveld, The importance of aerosol water for air pollution effects on weather and climate - a new concept. Presented at the DPG Frühjahrstagung, Environmental Sciences. <http://www.dpg-tagungen.de/>, Regensburg, Germany, 26 - 30 March 2007.
4. *F. Morales-García, O.L. Mayol-Bracero, M.H. Repollet-Pedrosa, S.M. Metzger, S. Decesari, A. Kasper-Giebl, H. Puxbaum, C. Ramírez-Santa Cruz, L. Di Girolamo, Water Uptake by Aerosol Particles at the Caribbean: Differences due to Air Mass Origin and Composition. Presented at the EGU General Assembly 2007, Atmospheric Sciences Programme. <http://meetings.copernicus.org/egu2007/>, Vienna, Austria, 15 - 20 April 2007.
5. *S. Metzger, J. Lelieveld, The importance of aerosol water for air pollution effects on weather and climate - a new concept. Presented at the EGU General Assembly 2007, Atmospheric Sciences Programme. <http://meetings.copernicus.org/egu2007/>, Vienna, Austria, 15 - 20 April 2007.
6. *S. Metzger, J. Lelieveld, N. Mihalopoulos, How organics affect the aerosol composition and hygroscopic growth - a case study with the new thermodynamic model EQSAM3 based on MINOS results. Presented at the EGU General Assembly 2007, Atmospheric Sciences Programme. <http://meetings.copernicus.org/egu2007/>, Vienna, Austria, 15 - 20 April 2007.
7. *S. Metzger, J. Lelieveld, U. Blahak, H. Noppel, K. Beheng, D. Rosenfeld, A. Khain, E. Cattani, V. Levizzani, Aerosol/cloud feedbacks with the most recent version of the German weather forecast model (COSMO LM). Presented at the EGU General Assembly 2007, Atmospheric Sciences Programme. <http://meetings.copernicus.org/egu2007/>, Vienna, Austria, 15 - 20 April 2007.
8. S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept, GISS Seminar, Columbia University, New York, USA, 6 August 2007 (Invited).
9. S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept, ITES/UPR Seminar, University of Puerto Rico, PR, USA, 15 August 2007 (Invited).
10. S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept, BNL Seminar, Brookhaven National Laboratory (BNL), Upton, New York, USA, 29 August 2007 (Invited); <http://www.ecd.bnl.gov/>.
11. S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept, COSMO Meeting, Athens, Greece, 18 September 2007 (Invited); <http://www.cosmo-model.org/>.

Presentations 2007 - II

1. *S. Metzger, COSMO-CAR - Aerosol hygroscopic growth into fog, haze and clouds. Presented at the COSMO-CAR (Clouds, Aerosols, Radiation) - Meeting, Ostendorfhaus, Karlsruhe, 9 October 2007. <http://www-fzk.imk.uni-karlsruhe.de/3487.php>. <http://www.clm-community.eu/>.
2. *S. Metzger, Model Intercomparison M7 vs GM7/EQSAM. Presented at the MPI for Chemistry, Modelling Group Meeting, 24 October 2007. <http://www.atmosphere.mpg.de/>.
3. *S. Metzger, Temperaturänderung in der Atmosphäre und deren Einfluss auf die hydrologischen Kreisläufe. Presented at the ProcessNet/GDCh/DBG - Gemeinschaftsausschuss "Chemie, Luftqualität, Klima" GDCh, Frankfurt, 25 October 2007 (Invited). <http://www.gdch.de/>. <http://www.dechema.de/>.
4. *S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept. Presented at the Leipziger Meteorologischen Kolloquiums, 15. November 2007 (Invited). Institut für Meteorologie der Universität Leipzig <http://www.uni-leipzig.de/~meteo/>. Institut für Troposphärenforschung e. V. Leipzig <http://www.tropos.de/>. Deutsche Meteorologische Gesellschaft e. V., Zweigverein Leipzig, <http://www.dmg-ev.de/>.
5. *S. Metzger, The importance of aerosol water for air pollution effects on weather and climate - a new concept. Presented at the Institute for Environment and Sustainability, Climate, Joint Research Centre (JRC), 29 November 2007 (Invited). <http://ccu.jrc.it/>.
6. *S. Metzger and J. Lelieveld, The importance of aerosol water for air pollution effects on weather and climate. Presented at the American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, USA, 10 - 14 December 2007. Abstract. <http://www.agu.org/meetings/fm07/> Sessions overview: Session A23B, A34C, "Aerosol Water: Important for Weather and Climate? I-II". Session A23B, Exh Hall B, Tuesday "Aerosol Water: Important for Weather and Climate? I", Tuesday 13:40-18:00, MS Exh Hall B. Session A34C, MW:2007, Wednesday, "Aerosol Water: Important for Weather and Climate? II": Wednesday 16:00-18:00, MW 2007.



Presentations 2007 - III

1. *Morales-Garcia, F and Mayol-Bracero, O L, Institute for Tropical Ecosystem Studies (ITES) and Department of Chemistry, University of Puerto Rico, San Juan, Metzger, S, and Lelieveld, J, Department of Atmospheric Chemistry, Max Planck Institute for Chemistry, Aerosol Water Uptake in the Caribbean Region: the Impact of Organics Using the EQSAM3. Presented at the American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, USA, 10 - 14 December 2007. Abstract. <http://www.agu.org/meetings/fm07/> Sessions overview: Session A23B, Exh Hall B, Tuesday "Aerosol Water: Important for Weather and Climate? I", Tuesday 13:40-18:00, MS Exh Hall B.
2. Xu, L and Penner, J E, Department of Atmospheric, Oceanic and Space Science, University of Michigan, United States, Metzger, S, Department of Atmospheric Chemistry, Max Planck Institute for Chemistry, A comparison of water uptake by aerosols using the thermodynamic models of Metzger and Jacobson. Presented at the American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, USA, 10 - 14 December 2007. Abstract. <http://www.agu.org/meetings/fm07/> Sessions overview:
3. Session A23B, Exh Hall B, Tuesday "Aerosol Water: Important for Weather and Climate? I", Tues, 13:40-18:00, MS Exh Hall B. *The importance of aerosol water for air pollution effects on weather and climate - a new concept*, S. Metzger, Max Planck Institute for Chemistry, Mainz, Germany; Presented at the COSMO / CLM Community Meeting (<http://www.clm-community.eu>), Athens, Greece, 18 September 2007; http://www.cosmo-model.org/content/consortium/generalMeetings/general2007/wg3/metzger_aerosols.pdf

Presentations 2006

1. S. Metzger, N. Mihalopoulos, J. Lelieveld, Importance of mineral cations and organics in gas-aerosol partitioning of reactive nitrogen compounds: case study based on MINOS results. Presented at the EGU General Assembly 2006, Atmospheric Sciences Programme, EGU06-A-04260, AS3.02-1TU4P-0094. <http://meetings.copernicus.org/egu2006/>, Vienna, Austria, 02 - 07 April 2006.
2. S. Metzger, N. Mihalopoulos, J. Lelieveld, Importance of mineral cations and organics in gas-aerosol partitioning of reactive nitrogen compounds: case study based on MINOS results. Presented at the Joint IGAC/CACGP/SOLAS/WMO Symposium: Atmospheric Chemistry at the interfaces, The 9th Scientific Conference of the IGAC Project. <http://www.atmosphericinterfaces2006.co.za/>, 17-23 September 2006, Cape Town, South Africa.
3. *F Morales-García, O L Mayol-Bracero, M H RepolletPedrosa, A Kasper-Giebl, H Puxbaum, C Ramírez-Santa Cruz, S M Metzger, Size-Resolved Chemical Characterization of Tropical Marine Aerosol During RICO: Water-Soluble Ions and the Carbonaceous Fraction. Presented at the American Geophysical Union (AGU) Fall Meeting. <http://www.agu.org/meetings/fm06/>, 11-15 December 2006, San Francisco, CA, USA.
4. *P Joeckel, H Tost, A Pozzer, C Bruehl, J Buchholz, L Ganzeveld, P Hoor, A Kerkweg, M G Lawrence, S Metzger, R Sander, B Steil, G Stiller, M Tanarhte, D Taraborrelli, J van Aardenne, Evaluation of the atmospheric chemistry general circulation model ECHAM5/MESSy1. Presented at the American Geophysical Union (AGU) Fall Meeting. <http://www.agu.org/meetings/fm06/>, 11-15 December 2006, San Francisco, CA, USA.
5. *S E Bauer, D Koch, S Metzger, N Unger, What are the driving forces behind the predicted elevated Ammonium-Nitrate Aerosol Concentrations in 2030? Presented at the American Geophysical Union (AGU) Fall Meeting. <http://www.agu.org/meetings/fm06/>, 11-15 December 2006, San Francisco, CA, USA.
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