

HARMO 16 Programme
16th International Conference on Harmonisation within Atmospheric Dispersion Modelling
for Regulatory Purposes
8-11 September 2014, Varna, Bulgaria

Sunday, 7 September 2014

1400 - 1930	Registration
--------------------	---------------------

Monday, 8 September 2014

800-900	Registration
900-940	Opening plenary session: Main Meeting room Chair: Prof. Ekaterina Batchvarova
	Welcome by the organisers, Opening
	Official words from the Ministry of Education and Science
	Official words from Dr Eng Vania Grigorova, Director Executive Environmental Agency
	Official words from the Vice-President of the Bulgarian Academy of Sciences, Corr. Member Nikolay Miloshev
	Official Words from the Director of NIMH, Doc Dr Georgi Kortchev

940 – 1100	Plenary session 1, Main meeting room Chair: Prof. John Bartzis	
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	
940 - 1000	H16-149 Web-based tools for air pollution modellers H.R. Olesen	
1000 - 1020	H16-60 Comparison of operational Atmospheric Dispersion Models in Germany Cyrill von Arx, Lothar Brücher, Vitorio de Donno, Brigitte Gerich, Hubert Glaab, Christian Grimm, Reinhard Martens, Jürgen Päsler-Sauer, Walter Scheuermann, Horst Schnadt, Peter Schumacher, Hartmut Walter, Silke Weimer, Thomas Wilbois	
1020 - 1040	H16-180 Impact of NOx emissions on air quality simulations with the Bulgarian WFR-CMAQ modeling system Dimitar Syrakov, Maria Prodanova, Emilia Georgieva, Iglia Etropolska, Kiril Slavov	
1040 - 1100	H16-113 Urban model evaluations with skyscraper rooftop observations in Manhattan Steven Hanna, Joseph Chang, and Julia Flaherty	

1100 - 1130	Coffee/Tea break, Beginning of Poster session T1-T4	
--------------------	---	--

1130-1230	Parallel session 1, Main meeting room Chair: Prof. Carlos Borrego	Parallel session 2, Meeting room 2 Chair: Dr. Kees Cuvelier
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	Topic 3: Use of modelling in support of EU air quality directives, including FAIRMODE
1130 - 1150	H16-1 Trends in the field of quality assurance of urban flow and dispersion models Frank Harms, B. Leidl, D Hertwig and M. Schatzmann	H16-53 Regional Assessment of a regional bottom-up cattle air pollutants emissions inventory against European emissions inventories J.A. Gonzalez, M. Morán, M. Dios
1150 - 1210	H16-176 Sensitivity of regulatory impact assessment to the duration of the meteorological period Lionel Soulhac	H16-36 Environmental sensitive traffic management system prokasonline Helmut Lorentz, Tilo Hoffmann, Ingo Düring, Torsten Bayer

1210 - 1230	H16-96 Dispersion modelling approaches for near road applications involving noise barriers David Heist, Akula Venkatram, Michelle Snyder, Vlad Isakov, Steven Perry, David Carruthers, Christina Hood, Jenny Stocker, Stephen E Smith	H16-68 The problem of limit values exceedances detection in complex terrain using measurement and models Marija Zlata Božnar, Boštjan Grašič, Primož Mlakar
-------------	--	--

1230 - 1430	Lunch (Riviera Beach Hotel)	
-------------	-----------------------------	--

1430-1610	Parallel session 3: Main meeting room Chair: Prof. Roberto San Jose	Parallel session 4: Meeting room 2 Chair: Dr. Philippe Thunis
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	Topic 3: Use of modelling in support of EU air quality directives, including FAIRMODE
1430 - 1450	H16-19 Numerical simulations of stack-tip downwash with sub-critical Reynolds number Hiroshi Takimoto, Takenobu Michioka, Ayumu Sato, Hiroki Ono	H16-182 Evaluating the performance of WRF-CMAQ models in Bulgaria by means of the DELTA tool Emilia Georgieva, Dimiter Syrakov, Maria Prodanova, Iglia Etropolska, Kiril Slavov
1450 - 1510	H16-143 Study of Mass Transfer of odorous compounds from Quiescent Liquid Surface Enilene Lovatte, Rita Feroni, Bruno Furieri, Davidson Moreira, Ilias Mavroidis, Jane Santos, Neyval Reis, Elisa Goulart	H16-11 Changes in nitrogen deposition in Europe between 1990 and 2020 Sebnem Aksoyoglu and André S. H. Prévot
		Topic 2: Environmental impact assessment: Air pollution management and decision support systems
1510 - 1530	H16-179 Investigation of the dispersion of air pollutants by the RePLaT model Tímea Haszpra	H16-10 Implementation of JRODOS in Switzerland Kathrin Arnold, Cyrill von Arx
1530 - 1550	H16-163 Trends of daily variogram parameters derived by geostatistical analysis of PM10 time series from the AirBase ambient air quality database Oliver Kracht, Michel Gerboles	H16-46 Analysis and comparison of two models response to an emissions abatement scenario Yelva Roustan, Isabelle Coll, Nicolas Yan1Aurélie Quemener, Arthur Elessa
	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality	
1550 - 1610	H16-155 Impact of European Sulfur Directive on ship emissions in a Mediterranean port Riccardo Buccolieri, Rita Cesari, Silvana Di Sabatino, Adelaide Dinoi, Alberto Maurizi, Francesco Tampieri	H16-148 How does the biodiesel use affect the urban air quality? Ribeiro, I., Monteiro, A., Martins, H., Miranda, A.I., Borrego, C., Lopes, M.

1610 - 1700	Coffee/Tea break, Poster session T1-T4	
-------------	--	--

1700 - 1840	Parallel session 5, Main meeting room Chair: Prof. Michael Schatzmann	Parallel session 6, Meeting room 2 Chair: Dr. Andreas Skouloudis
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	Topic 2: Environmental impact assessment: Air pollution management and decision support systems

1700 - 1720	H16-37 Evaluation of the CHIMERE Model estimating wet deposition in Spain Martín F., Vivanco M.G., Garrido J.L Palomino I.	H16-43 Development of a plume-in-grid model for evaluation of particulate matter contribution of an industrial point and volume sources: application to refinery sources in the Paris region Youngseob Kim, Valentin Raffort, Ludovic Donnat, Catherine Juery, Christian Seigneur, Olivier Duclaux
1720 - 1740	H16-121 EuroDelta phase 3: An intercomparison of 7 European chemistry-transport models against observations from 4 EMEP measurement campaigns Bertrand Bessagnet, Kees Cuvelier, EuroDelta Team	H16-63 Experiences in dispersion modelling in the development of air quality management system in Krakow Agnieszka Bartocha, Marek Rosicki
1740 - 1800	H16-75 "ŠOŠTANJ" data set for validation of models over very complex terrain Primož Mlakar, MarijaZlata Božnar,Boštjan Grašič, Giuseppe Brusasca, Gianni Tinarelli, Maria Grazia Morselli and Sandro Finardi	H16-159 Continuous forecast of odour around a water treatment plant using a 3d simulation tool Amita Tripathi, Lobnat Ait Hamou, Damien Joseph, Krishnaprasad Acharya, Claude Souprayen
1800 - 1820	H16-3 Improving the Reliability of Decision-Support Systems for Nuclear Emergency Management using Software Diversity Methods Tudor B. Ionescu, Eckart Laurien, Walter Scheuermann	H16-26 The Application of an Aerofoil Array to Enhance the Dispersion of an Extended Surface-based Pollution Source Michael Bennett
1820 - 1840	H16-154 Modeling SOA formation from the oxidation anthropogenic precursors in an outdoor chamber Florian Couvidat, Marta G. Vivanco, Christian Seigneur, and Bessagnet Bertrand	H16-35 Nitrogen deposition modeling within natura 2000 appropriate assessment for roads Helmut Lorentz, Stefan Balla, Rudolf Uhl, Angela Schlutow

1930 - 2230	Reception, Beach Restaurant
-------------	-----------------------------

Tuesday, 9 September 2014

830 - 1030	Plenary session 2: Main meeting room Chair: Dr. Helge Olesen
	Topic 2: Environmental impact assessment: Air pollution management and decision support systems
830 - 850	H16-87 CARBOTRAF: A Decision Support System for reducing pollutant emissions by adaptive traffic management Stijn Vranckx, Wouter Lefebvre, Martine Van Poppel, Jan Theunis, Carolien Beckx, Bart Elen, Margherita Mascia, Simon Hu, Robin North, Robert Köbl, Jim Mills, Dominik Dahlem, Guy Kouwijzer, Marie-Sophie Marcinek, Martin Litzenberger
	Topic 3: Use of modelling in support of EU air quality directives, including FAIRMODE
850 - 910	H16-123 Recent developments of the DeltaTool Philippe Thunis, Kees Cuvelier
910 - 930	H16-110 Operational comparison (DELTA TOOL) between European air quality forecast systems: MM5-CMAQ,WRF/Chem and MACC R. San José, J.L. Pérez and R.M. González

	Topic 4: Parametrization of physical processes in mesoscale meteorology relevant for air quality modelling
930 - 950	H16-15 Parametrizing low-frequency mesoscale motions in atmospheric dispersion models Helen Webster, Thomas Whitehead and David Thomson
	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality
950 - 1010	H16-67 Urban canopy flow field and advanced street canyon modelling in ADMS-Urban Christina Hood, David Carruthers, Martin Seaton, Jenny Stocker & Kate Johnson
	Topic 6: Use of modelling in health and exposure assessments
1010 - 1030	H16-147 CFD-RANS modeling of turbulent flow, hygrothermal parameters and pollutant dispersion in real working environments John G. Bartzis, George C. Efthimiou, Alexandros Venetsanos, Spyros Andronopoulos

1030 - 1130	Coffee/Tea break, Poster session T1-T4
-------------	--

1130-1230	Parallel session 7: Main meeting room Chair: Dr. Sebnem Askoyoglu	Parallel session 8: Meeting room 2 Chair: Dr. Ulrike Pechinger
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	Topic 6: Use of modelling in health and exposure assessments
1130 - 1150	H16-139 Intercomparison of the wet deposition of NH_4^+ , NO_3 and SO_4^{2-} estimated by several air quality models for one of the EURODELTA3 campaigns Marta G. Vivanco, Bertrand Bessagnet, and the EURODELTA team	H16-73 Hybrid Air Quality Modeling Approach for use in the Near-road Exposures to Urban air pollutant Study (NEXUS) Vlad Isakov, David Heist, Janet Burke, Michelle Snyder, Sarav Arunachalam, Stuart Batterman
1140 - 1210	H16-59 Sensitivity Analysis on the model set-up for multiple point emissions in close proximity using both AERMOD and ADMS Arnold, SJ, Stalleicken, J, and Yang, Z	H16-50 Developing a hybrid exposure model in London Beevers, S, Kitwiroom N, Smith J and Mitsakou C
1210 - 1230	H16-57 SILAM and MACC IFS output used for simulating the aerosol direct radiative forcing with HARMONIE model for summer 2010 wildfire case in Russia Marko Kaasik, Velle Toll, Ketlin Reis, Riinu Ots, Aarne Männik, Mikhail Sofiev, Marje Prank	H16-112 C-PORT: A Community-scale Near-Source Air Quality System to Assess Port-related Air Quality Impacts Saravanan Arunachalam, Timothy Barzyk, Vlad Isakov, Akula Venkatram, Michelle Snyder, Nathan Alexander Rice, Brian Naess

1230 - 1430	Lunch (Riviera Beach Hotel)
-------------	-----------------------------

1430-1610	Parallel session 9: Main meeting room Chair: Dr. Andrea Amicarelli	Parallel session 10: Meeting room 2 Chair: Dr. Patrick Armand
	Topic 1: Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities	Topic 7: Inverse dispersion modelling and source identification
1430 - 1450	H16-168 Data mining: Use of historical Cabauw SF6 experiments Gertie Geertsema	H16-92 Fast identification of accidental pollution based on an innovative geometrical method with 3d-cfd modelling Damien Joseph, Malo le Guellec, Claude Souprayen
1450 - 1510	H16-52 A comparison of different WRF-CALMET simulations against surface and PBL rawinsonde data J.A. Gonzalez, A. Hernandez-Garces, A.	H16-6 Applications of a CFD model for Short-Range Pollutant Dispersion and Source Reconstruction in an Urban Environment

	Rodriguez, S. Saavedra, J.J. Casares	Pramod Kumar, Amir-Ali Feiz, Pierre Ngae, Grégory Turbelin, Emerson Barbosa, Sarvesh Kumar Singh, Jean-Pierre Issartel
1510 - 1530	H16-138 Modeling heavy metals concentrations over Italy: comparison with observations and some sensitivity tests Mario Adani, Mihaela Mircea, Camillo Silibello Massimo D'Isidoro, Luisella Ciancarella, Lina Vitali, Antonio Piersanti, Gino Briganti, Andrea Capelletti, Gaia Righini, Giuseppe Cremona, Gabriele Zanini	H16-7 Inverse modelling of radionuclide release rates using gamma dose rate observations Thomas Hamburger, Andreas Stohl, Christoph von Hausteine, Severin Thummerer, Christian Wallner
1530 - 1550	H16-106 Air quality modeling of particulate matter in the Pannonian basin during winter stable atmospheric conditions Goran Gašparac and Amela Jeričević	H16-160 Atmospheric Source Term Estimation: Paradigms and Commonalities in the Methods Andrew J. Annunzio, Paul E. Bieringer, Luna M. Rodriguez, George Young, and George Bieberbach
1550 - 1610	H16-127 Suspension and deposition of particulate matter emitted by stockpiles of granular materials: A numerical approach using LES Edilson Nascimento, Bruno Furieri, Jane Santos, Neyval Reis, Elisa Goulart, Jean-Luc Harion, Maria Clara Caliman, Ilias Mavroidis	H16-4 Analyzing Localization Features of a Weighted Least-squares Technique in a Point Source Reconstruction Sarvesh Kumar Singh, Gregory Turbelin, Pierre Ngae, Amir-Ali Feiz, Emerson Barbosa, Pramod Kumar, Jean-Pierre Issartel

1610 - 1700	Coffee/Tea break, Poster session T1-T4	
-------------	--	--

1700-1840	Parallel session 11: Main meeting room Chair: Dr. Helen Webster	Parallel session 12: Meeting room 2 Chair: Dr. Maria Zlata Boznar
	Topic 2: Environmental impact assessment: Air pollution management and decision support systems	Topic 7: Inverse dispersion modelling and source identification
1700 - 1720	H16-145 The role of NH ₃ on the particulate matter pollution over Portugal Miranda A.I., Monteiro, A., Martins, H., Ferreira, J., Gama, C., Ribeiro, I., Borrego, C.	H16-24 The effect of wood burning on particulate matter concentrations in Flanders, Belgium Wouter Lefebvre, Frans Fierens, Charlotte Vanpoucke, Nele Renders, Kaat Jespers, Jordy Vercauteren, Felix Deutsch, Stijn Janssen
1720 - 1740	H16-131 Aircraft plume dynamics characterization for an airport located near an urban area Eliana Pecorari, Alice Mantovani, Saverio Sollecito, Davide Bassano, Luca Palmeri, Giancarlo Rampazzo	H16-38 Source term assessment of the Fukushima nuclear accident: a sensitivity analysis A. Mathieu, O. Saunier, D. Didier, I. Korsakissok, V. Winiarek, M. Bocquet
1740 - 1800	H16-104 Evaluation of air quality model performance for long-term PM _{2.5} simulation in Japan Hikari Shimadera, Tatsuya Kojima, Akira Kondo, Yoshio Inoue	H16-98 Estimating source term parameters through probabilistic Bayesian interface: An approach based on adaptive multiple importance sampling algorithm Harizo Rajaona, Patrick Armand, François Septier, Yves Delignon, Christophe Olry, Armand Albergel, and Jacques Moussafir
	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality	

1800 - 1820	H16-133 On thermal stratification in real street canyons with trees: consequences for local air quality Silvana Di Sabatino, Riccardo Buccolieri, Laura S. Leo, Gianluca Pappaccogli	H16-30 A Fast Reliable Algorithm for Point Source Localization: Application to a New Kitfox Data Set Grégory Turbelin, Sarvesh Kumar Singh, Hamza Kouichi, Pierre Ngae, Amir-Ali Feiz, Emerson Barbosa, Pramod Kumar, Jean-Pierre Issartel
1820 - 1840	H16-71 Statistical modelling of pollutant concentration in the urban environment at high spatial and temporal resolution by utilizing data from sensor networks Michael D. Mueller, David Hasenfratz, Olga Saukh, Vivien Bright, Iq Mead, Kevin Meng, Olekan Popoola, Gregor Stewart, Christoph Hueglin, Roderic Jones	H16-39 Numerical analysis of biogenic emission sources contributing to ozone concentration in Osaka, Japan Akira Kondo, Hikari Shimadera, Kazuyo Akiyama, Hiroshi Nishimura, Yoshio Inoue

1840 - 2000	End of Poster session T1-T4 and Start of Poster Session T5-T8
-------------	---

Wednesday, 10 September 2014

830 - 1050	Plenary session 3: Main meeting room Chair: Prof. Dimiter Syrakov	
	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality	
830 - 850	H16-116 Analysis and modelling of pollutant entrainment in a street network Omduth Coceal, Fernanda Cezana, Elisa Goulart, Sylvia Bohnenstengel, Stephen Belcher	
850 - 910	H16-186 Investigation of the emission and air quality impacts of Low Emission Zone scenarios in Newcastle and Gateshead, UK Paul Goodman, Anil Namdeo, Fabio Galatioto, Margaret Bell, Edwin Foster, Caroline Shield	
	Topic 7: Inverse dispersion modelling and source identification	
910 - 930	H16-161 A Method for Utilizing Ensemble Numerical Weather Prediction to Improve the Source Term Estimates for Atmospheric Contaminant Releases Paul E. Bieringer, Andrew J. Annunzio, and George Bieberbach	
930 - 950	H16-83 Evaluation of advanced Emergency Response methodologies to estimate the unknown source characteristics of the hazardous material within urban environments Vasiliki Tsiouri, Ivan Kovalets, Konstantinos E. Kakosimos, Spyros Andronopoulos, John G. Bartzis	
	Topic 8: Modelling air dispersion and exposure to accidental releases	
950 - 1010	H16-99 Atmospheric dispersion modelling and health impact assessment in the framework of a CBRN-E exercise in a complex urban configuration Patrick Armand, Christophe Duchenne, and Emmanuel Bouquot	
1010 - 1030	H16-142 Updates on COST Action ES1006. Evaluation, improvement and guidance for the use of local-scale emergency prediction and response tools for airborne hazards in built environments Trini Castelli S., Leitl B., Baumann-Stanzer K., Reisin T.G., Armand P., Barmpas F., Balczó M.7, Andronopoulos S., Jurcakova K. and all COST ES1006 Members	
	Topic 9: Historical reviews and highlights of past work. Special session mainly devoted to prominent scientists and 'golden papers' of the past, which have still relevance and should not be forgotten	
1030 - 1050	H16-188 Successes and prospects of regulatory emission reduction until 2010 with air quality models Andreas Skouloudis	

1050 - 1130	Coffee/Tea break, Poster session T5 – T8
-------------	--

1130-1310	Paralel session 13: Main meeting room Chair: Dr. Peter Suppan	Parallel session 14: Meeting room 2 Chair: Prof. Akula Venkatram
	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality	Topic 4: Parametrization of physical processes in mesoscale meteorology relevant for air quality modelling
1130 - 1150	H16-170 Number distribution of airborne nanoparticles in hot and arid environment of Kuwait Abdullah N. Al-Dabbous, Prashant Kuma	H16-95 Modification of the Yonsei University boundary layer scheme in the WRF model for stable conditions R. Dimitrova, H. J. S. Fernando, Z. Silver, L. S. Leo, C. Hocut, T. Zsedrovits S. Di Sabatino
1150 - 1210	H16-134 Multi-scale Modelling of Chicago urban Heat Island and Climate-Change Impacts Patrick Conry, Ashish Sharma, Mark Potosnak, Jessica Hellmann, H.J.S. Fernando	H16-64 A new scheme for parametrization of convection in NAME III Elena Meneguz and David J. Thomson
1210 - 1230	H16-169 Validation of newest Developments within OSPM Matthias Ketzell, Steen Solvang Jensen, Thomas Becker, Jørgen Brandt, Thor-Bjørn Ottosen, Henrik Skov, Ole Hertel, Konstantinos Kakosimos	H16-119 Introduction of momentum equations in Micro SWIFT Olivier Oldrini, Maxime Nibart, Patrick Armand, Christophe Olry, Jacques Moussafir, and Armand Albergel
	Topic 8: Modelling air dispersion and exposure to accidental releases	
1230 - 1250	H16-164 The development and validation of the CO2FOAM CFD code for predicting the atmospheric dispersion of carbon dioxide releases from pipelines for CCS applications Jennifer X Wen, Pierre Le Fur, Hongen Jie, Chandra MR Vendra and Saturin Adoua	H16-124 Wet deposition scheme for SILAM chemical transport model Rostislav Kouznetsov, Mikhail Sofiev
1250 - 1310	H16-158 Real time follow-up of accidental gas release in congested industrial areas by a 3d cfd tool Malo le Guellec, Amita Tripathi Jean-Marie Libre	

1310 - 1430	Lunch (Riviera Beach Hotel)
-------------	-----------------------------

1430-1550	Paralel session 15: Main meeting room Chair: Prof. Akira Kondo	Parallel session 16: Meeting room 2 Chair: Prof. Steven Hanna
	Topic 8: Modelling air dispersion and exposure to accidental releases	Topic 4: Parametrization of physical processes in mesoscale meteorology relevant for air quality modelling
1430 - 1450	H16-65 Hints to discriminate the choice of wet deposition models applied to an accidental radioactive release Arnaud Quérel, Yelva Roustan, Denis Quélo, Jean-Pierre Benoit	H16-175 Urban environment impact on air quality Tomas Halenka, Peter Huszar, Michal Belda
1450 - 1510	H16-100 New capabilities of CERES® CBRN-E decision support tool in the fields of explosion modelling and source term estimation	H16-2 An Alternate technique to Evaluate the Dispersion Coefficients for Moderately Stability Class Idrees Ahmad, Zahida Akram

	Luc Patryl, Emmanuel Lapebie, Sarah Hank, and Patrick Armand	
		Topic 5: Urban scale and street canyon modelling: Meteorology and air quality
1510 - 1530	H16-132 From Paris to London, post accidental dispersion modelling of a single point source release: The Lubrizol case study Frédéric Tognet, Marc Durif, Frédéric Meleux, Laurent Letinois, Emmanuelle Boulvert, Martine Ramel, Patrick Bodu, Augustin Colette, Bertrand Bessagnet, Laurence Rouil	H16-17 Use of microscalemodellisation related to the repositioning of an air quality monitoring station Giordano Pession, Tiziana Magri, Michel Vuillermoz Gianni Tinarelli
1530 - 1550	H16-8 Experimental and Numerical Study of a Near-Field Pollutants Dispersion Campaign in a stratified Surface Layer Xiao Wei, Eric Dupont, Bertrand Carissimo, Eric Gilbert and Luc Musson-Genon	

1600 - 1900	Excursion in Varna – archeological and modern sites
1900 - 2300	Conference dinner

Thursday, 11 September 2014

900-1040	Parallel session 17: Main meeting room Chair: Prof. David Carruthers	Parallel session 18: Meeting room 2 Chair: Dr. Klara Jurcakova
	Topic 8: Modelling air dispersion and exposure to accidental releases	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality
900 - 920	H16-69 The decision support system LASAIR: New features for evaluating dirty bomb scenarios Hartmut Walter, Gerhard Heinrich	H16-13 The effects of urban buildings on concentrations of traffic related pollutants Nico Schulte, Si Tan and Akula Venkatram
920 - 940	H16-114 Designing Jack Rabbit II 20-ton chlorine release field experiment Steven Hanna and Joseph Chang, Shannon Fox, Mark Whitmire, Thomas Spicer, John Hearn, Ron Meris	H16-178 Experiences from the application of a parameter estimation and identifiability analysis methodology to the Operational Street Pollution Model (OSPM) Thor-Bjørn Ottosen, Matthias Ketzler, Ole Hertel, Henrik Skov, Jørgen Brandt, Ruwim Berkowicz, Konstantinos Kakosimos,
940 - 1000	H16-33 Combined Outdoor-indoor Dispersion Modelling in Urban Areas Herring S, England J, Lingard B, Parker S	H16-162 CFD Simulation and Comparison with Measurement for Flow and Dispersion in a Neighborhood of Marseille including Thermal and Radiative Effects Qu Yongfeng, Maya Milliez, Bertrand Carissimo
1000 - 1020	H16-22 Coupling between PMSS and CONTAM: The indoor / outdoor contaminant transfer of a hazardous release Cyril Bonan, Maxime Nibart, Patrick ARMAND, Armand Albergel, Christophe Olry	H16-108 Use of a climatic synoptic classification to identify and characterize NO2 pollution patterns over the Iberian Peninsula V́ctor Valverde, Maŕa T. Pay, Joś M. Baldasano
1020 - 1040	H16-129 Computational Simulations of hazardous substances' dispersion in urban Areas	H16-66 Estimating the impact of street vegetation on air quality: a simple case with different types and positions of vegetation

	Apostolos Papathanassiou, Spyros Andronopoulos, Athanasios Sfetsos, Nikolaos Gounaris, Andreas Ikononopoulos	Jose Luis Santiago, Alberto Martilli, Fernando Martin
--	--	---

1040 - 1130	Coffee/Tea break, End of Poster session T5-T8	
-------------	---	--

1130-1230	Parallel session 19: Main meeting room Chair: Dr Armand Albergel	Parallel session 20: Meeting room 2 Chair: Prof. Kostadin Ganev
	Topic 8: Modelling air dispersion and exposure to accidental releases	Topic 5: Urban scale and street canyon modelling: Meteorology and air quality
1130 - 1150	H16-137 Modelling pollutant reactions depending on instantaneous concentrations: a direct estimation of the segregation coefficient Andrea Amicarelli, Giovanni Leuzzi, Paolo Monti	H16-109 Comparison between different dynamical downscaling methods using WRF/chem for urban applications: Madrid case study Roberto San José, Juan L. Pérez, Julia Pecci, Antonio Garzón, Marino Palacios
1150 - 1210	H16-152 Numerical Simulation of Hazardous Material Atmospheric Dispersion Following an Accidental Release in an Industrial Site Mehmet Karaca, Antonia Zogka, Yann Fenard, Abdelwahid Mellouki, Philippe Dagaut and Iskender Gökalp	H16-166 ARPS-VUC – A new urbanized version of the ARPS meteorological code Tavares R., Calmet I., Dupont S.
1210 - 1230	H16-61 Large-eddy simulation of wind flows and comparisons with very-near field campaign data Jean-Marc Lacomme, Guillaume Leroy, Xiao Wei, Eric Dupont, Eric Gilbert, Bertrand Carissimo	H16-70 A Preliminary wind tunnel study of passive tracer plume dispersion in Urban Boundary Layer using Water Evaporation Technique Yat-KiuHo and Chun-Ho Liu

1230 - 1430	Lunch (Riviera Beach Hotel)	
-------------	-----------------------------	--

1430-1550	Plenary session 4: Main meeting room Chair: Dr Bertrand Carissimo and Dr. Silvia Trini Castelli	
	Topic 8: Modelling air dispersion and exposure to accidental releases Special COSTES1006 session	
1430 - 1450	H16-146 Evaluation of local-scale models for accidental releases in built environments – results of the “Michelstadt exercise” in COST Action ES1006 Baumann-Stanzer K., Leitl B., Trini Castelli S., Milliez C.M., Berbekar E., Rakai A., Fuka V., Hellsten A., Petrov A., Efthimiou G., Andronopoulos S., Tinarelli G., Tavares R., Armand P., Gariazzo C. and all COST ES1006 Members	
1450 - 1510	H16-111 Wind-tunnel measurements of accidental gas releases in a simplified urban environment Eva Berbekar, Frank Harms and Bernd Leitl	
1510 - 1530	H16-102 Comparison of simplified and full CFD modelling of accidental dispersion – Application to the 2013 Michelstadt experimental trials Christophe Duchenne, Patrick Armand, Adrien Napoly, Maya Milliez, and Bertrand Carissimo	
1530 - 1550	H16-167 ERMIDT – the Emergency Response Models and Computational Tools Inventory Database developed in the frame of in COST Action ES1006 Tavares R., Baumann-Stanzer K., Leitl B., Trini Castelli S. and all COST ES1006 Members	

1550 – 1630	Closing of the conference and good bye Coffee/Tea break - Dr. Helge Olesen	
-------------	--	--