

Scientific Program - DUSTworkshop8
1-4 May 2016

PS - Plenary session; O - 15 min oral presentation; P - poster session

Monday - 2 May	PS1	Plenary session				
		PS1	10:30-11:15	Review of Fugitive Dust Emission Processes and Control Measures	USA	Dr. John G. Watson
	Session 1	DUST PARTICLE SIZE AND COMPOSITION (Chair: John G. Watson)				
		S1-O1	11:35 - 11:50	Long-term variations of sandstorms and associated dustfall observed in central Korea	South Korea	Y.S. Chung
		S1-O2	11:50 - 12:05	Impact of Saharan dust events on PM in the urban area of Bologna (Po Valley, Italy)	Italy	Arianna Trentini
		S1-O3	12:05 - 12:20	Geochemical Composition of Dust Outbreaks in Europe: Time and Spatial Variation During the 2012-2013 EMEP IMPs	Spain	Andrés Alastuey Urós
		S1-O4	12:20 - 12:35	Winter Particulate Pollution and Source Apportionment over Central India (Raipur)	India	Nitin Kumar Jaiswal
	Session 2	ENVIRONMENT IMPACT ASSESSMENT (Chairs: Célia Alves and Nuno Canha)				
		S2-O1	13:35 - 13:50	Potential for Dust Suspension in Industrial Operations	USA	Judith C. Chow
		S2-O2	13:50 - 14:05	Saharan dust impact in central Italy: comparison of the EU method with quantifications based on the particulate elemental c	Italy	Franco Lucarelli
S2-O3		14:05 - 14:20	Using intensive optical properties for near real-time detection of Saharan dust events in the northwestern Mediterranean	Spain	Marina Ealo	
S2-O4		14:20 - 14:35	The Effects of Airborne Bacteria within Asian Duststorm (Kosa bioaerosols) on the Forest Ecosystem: Wood Decay and Growt	Japan	Fumihisa Kobayashi	
S2-O5		14:35 - 14:50	Source apportionment studies of particulate matter in China	China	S.C. Lee	
S2-O6		15:10 - 15:25	Automated Dust Monitoring Web Map Service and Impact Assessment Based on Meteosat Second Generation Images	Italy	Pablo Marsialetti	
S2-O7		15:25 - 15:40	Spatio-temporal Monitoring of a Moderate Saharan Dust Event Affecting Southern Europe by Ground-based and Air- and Sp	Spain	M. Sicard	
S2-O8		15:40 - 15:55	Megabarchans' black sand (khnifiss national park, SW of Morocco): Composition, Origin and Transport pathways	Morocco	Manare Adnani	
S2-O9		15:55 - 16:10	Mediterranean Desert Dust Outbreaks' Direct Radiative Effects based on Regional Model Simulations	Spain	A. Gkikas	
S2-O10	16:10 - 16:25	The Effect of Dust Lifting Process on the Electrical Properties of the Atmosphere	Italy	Roberto Molinaro		
Tuesday - 3 May	PS2	Plenary session				
		PS2	10:00-10:45	Impact of African Dust Long-Range Transport on PM Concentration and Chemical Composition in the Athens Metropolitan A	Greece	Dr. Konstantinos Eleftheriadis
	Session 3	DUST AND CLIMATE INTERACTIONS + AEROSOL-RADIATION-CLOUD-PRECIPITATION INTERACTIONS (Chair: Konstantinos Eleftheriadis)				
		S3-O1	10:45 - 11:00	Amplification of dust variability by dynamic vegetation changes	USA	Paul Ginoux
		S3-O2	11:00 - 11:15	Sandblasting Mass Efficiency as a Function of Soil Clay Contents: A comparative modelling study	Greece	Christos Spyrou
		S3-O3	11:35 - 11:50	Merged Dust Storm Climatology over the Western United States: Analysis and Climate Impacts	USA	Julian X.L. Wang
		S3-O4	11:50 - 12:05	Modelling the effects of desert dust on the atmospheric water content on the Arabian Peninsula	Greece	Christos Spyrou
		S3-O5	12:05 - 12:20	Combination and post-processing of aerosol and NWP models to improve DNI forecasts	Spain	Maria-Aranzazu Revuelta
		S3-O6	12:20 - 12:35	Automatic Detection and Forecast of Dust storm events over Egypt using Meteorological, Satellite, Modeling, Data Mining ar	Egypt	Samir shora
	Session 4	DUST TRANSPORT, MIXING WITH ANTHROPOGENIC POLLUTANTS AND AGING (Chairs: Casimiro Pio and Marina Almeida-Silva)				
		S4-O1	14:35 - 14:50	Decoupling of air masses in the western Mediterranean: Simultaneous African dust outbreaks and Mediterranean polluted c	Spain	Jose A. G. Orza
		S4-O2	14:50 - 15:10	Role of the Atmospheric General Circulation on the Temporal Variability of the Aerosol Distribution over Dakar (Senegal)	Senegal	H. Senghor
		S4-O3	15:10 - 15:25	Seasonal Trends of Natural and Anthropogenic Sources Contributions to PM2.5 and PM10 in Southern Italy	Italy	Daniele Contini
		S4-O4	15:25 - 15:40	Polar Dust 'Hot Spot' - Iceland	Iceland	P. Dagsson-Waldhauserova
		S4-O5	15:40 - 15:55	Trends in the Saharan Air Layer Composition Observed at Izaña - Tenerife	Spain	Sergio Rodriguez
		S4-O6	16:15 - 16:30	Heterogeneous Interaction of Isopropanol with Gobi Mineral Dusts under Simulated Atmospheric Conditions	France	Frédéric Thevenet
		S4-O7	16:30 - 16:45	Assessment of Sandstorms to Develop an Accelerated Ageing Test for Solar Power Materials	Spain	Florian Wiesinger
		S4-O8	16:45 - 17:00	Biodiversity and Chemical Speciation of Long Range Transported Desert Dust Particles	Italy	Beatrice Moroni
		S4-O9	17:00 - 17:15	Aerosol Characterization at Columnar and Surface Levels Based on a Long-term Desert Dust Inventory in North-central Iberia	Spain	David Mateos
Wednesday - 4 May	PS3	Plenary session				
		PS3	10:00-10:45	Microorganisms Transported Long-range in the Free Atmosphere over North-East Asia: Mixing State of Dust Particles	Japan	Prof. Yasunobu Iwasaka
	Session 5	MODELING AND PREDICTION (Chair: Yasunobu Iwasaka)				
		S5-O1	10:45 - 11:00	Mineral dust aerosol distributions, its direct and semi-direct effects over South Africa based on regional climate model simul	South Africa	Melaku Tesfaye Yigiletu
		S5-O2	11:00 - 11:15	A Process-oriented Evaluation of Dust Emission Schemes in CESM: Simulation of a Typical Severe Dust Storm over East Asia	China	Zhaohui Lin
		S5-O3	11:35 - 11:50	Analysis of mineral dust over Portugal using different modelling approaches	Portugal	Ana Patricia Fernandes
		S5-O4	11:50 - 12:05	Impact of Trans-Eurasian Dust Aerosol Transport on East Asian Atmosphere	China	Tianliang Zhao
		S5-O5	12:05 - 12:20	Assessing the size distribution of dust emissions in the NMMB/BSC-Dust model	Portugal	Carla Gama
		S5-O6	12:20 - 12:35	WMO SDS-WAS: Towards continuous evaluation of Dust Models in Northern Africa	Spain	Sara Basart
	Session 6	SOURCE DEFINITION AND PROPERTIES OF DUST (Chairs: Marta Almeida and Joana Lage)				
		S6-O1	13:35 - 13:50	Ionic and Mass Balance of Cape Verde Atmospheric Aerosol During CVDUST	Portugal	Casimiro A. Pio
		S6-O2	13:50 - 14:05	Remote sensing of desert dust physico-chemical properties within Aerosol_cci	Germany	L. Klüser
		S6-O3	14:05 - 14:20	Red-Ox speciation and Coordination of Iron in Saharan Dust	Italy	C. Petroselli
		S6-O4	14:20 - 14:35	Building a time series of Saharan dust chemical composition on the West African margin	France	Aloys Bory
		S6-O5	14:35 - 14:50	The role of soil texture in the formation of dust storms	Kazakhstan	Gulnura Issanova
		S6-O6	15:10 - 15:25	Saharan Dust Measurements in Évora, Portugal, Using Lidar Techniques	Portugal	Sérgio Pereira
		S6-O7	15:25 - 15:40	Object, Thing and Event: New Ontological Approaches to Dust Storms and Dust Source Suitability Distribution Modeling	USA	Charlie P. Jackson
		S6-O8	15:40 - 15:55	Chemical and Pb-isotope Characteristics of Modern Dust from the Northern Slopes of the Tien Shan – a Multi-annual Record	Germany	Georg Schettler
		S6-O9	15:55 - 16:10	Determination of PM10 sources and properties in the Central Mediterranean from long-term measurements at Lampedusa	Italy	Giulia Calzolari
POSTER SESSION	POSTER SESSION					
	P1	13:35-14:35	Characterization of Limonene and Toluene Adsorption Properties on Saharan Dusts	France	Frédéric Thevenet	
	P2	13:35-14:35	IASI Dust algorithm inter-comparison within ESA's Climate Change Initiative	Germany	L. Klüser	
	P3	13:35-14:35	Global semi-arid climate change over last 60 years	China	Mingxia Ji	
	P4	13:35-14:35	Influence of Air Masses on 210Pb Aerosols in the South-East of Iberian Peninsula	Spain	E. Chham	
	P5	13:35-14:35	Long-term recovering of aerosol optical depth from 1941 to 2013 at the Izaña Atmospheric Observatory	Spain	Victoria E. Cachorro	
	P6	13:35-14:35	Impact of meteorological factors on PM2.5 below-cloud scavenging processes – a case study from Wrocław (Poland)	Poland	Piotr Muskala	
	P7	13:35-14:35	Aerosol radiative effects during two desert dust events in August 2012 over the Southwestern Iberian Peninsula	Portugal	Mª Ángeles Obregón Muñoz	
	P8	13:35-14:35	Texture Segmentation of Barchans Dunes in High Resolution Satellite Images	Morocco	Azzaoui Mohammed Amine	
	P9	13:35-14:35	Aerosol Deposition in the Westward Saharan Dust Transport Region: Examples from Tenerife, Cape Verde, and Barbados	Germany	Konrad Kandler	
	P10	13:35-14:35	Sun Photometer Retrievals of Saharan Dust Properties During SALTRACE Campaign	Spain	Carlos Toledano	
	P11	13:35-14:35	Trans-Atlantic African Dust Transport Under El Niño 2015 Scenario	Spain	Sergio Rodriguez	
	P12	13:35-14:35	Impact of Desert Dust Outbreaks in the Aerosol Load Levels of a Rural Background Environment between 2003 and 2013	Spain	David Mateos	
	P13	13:35-14:35	Contamination of Building Roof Dust in India	India	Nitin Kumar Jaiswal	
	P14	13:35-14:35	Experimental study of dust effect on photovoltaic power generation for different climatic regions	Algeria	Smail Semaoui	
	P15	13:35-14:35	Air temperature data analysis using Fourier series for sites across Algeria	Algeria	K. Abdeladim	
	P16	13:35-14:35	Boundary Layer dynamics and relationship with particulate matter PM2.5 concentrations in Wrocław (SW Poland)	Poland	Piotr Muskala	
	P17	13:35-14:35	Study of a Saharan Haboob using the NMMB/BSC-Dust Model	Spain	Lluís Vendrell	
	P18	13:35-14:35	Modeling Saharan Desert Dust Radiative Effects On Clouds	Portugal	Maria João Costa	
	P19	13:35-14:35	Chemical Characterisation of Total Suspended Particulate Matter from a Remote Area in Amazonia	Brazil	Cátia Gonçalves	
	P20	13:35-14:35	Measurement Of The Optical Properties Of Aerosols Observed During A Desert Dust Event Registered In Covilhã, Portugal	Portugal	Sandra Mogo	
	P21	13:35-14:35	Chemical and Colorimetric Characterization of Dust and Soils, Kuito, Central Angola	Portugal	M.M.S. Cabral Pinto	
	P22	13:35-14:35	Particulate and gaseous emissions from the combustion of certified and non-certified pellets	Portugal	Célia Alves	
	P23	13:35-14:35	Particulate emissions from biomass combustion in a fluidised bed reactor	Portugal	Célia Alves	
	P24	13:35-14:35	Satellite-based retrieval of particulate matter concentrations over the United Arab Emirates (UAE)	United Arab Emirates	Marouane Temimi	
	P25	13:35-14:35	Variations in the structure of airborne bacterial communities in Gobi desert area during a dust event	Japan	Teruya Maki	
	P26	13:35-14:35	Distribution and Sources of Ambient Carbonaceous Aerosol in India	India	Nitin Kumar Jaiswal	
	P27	13:35-14:35	Characterization of process fugitive emissions in a steel integrated site	Portugal	Silva M. Garcia	
	P28	13:35-14:35	Characterization of Fugitive Emissions from a Harbor, Setúbal, Portugal	Portugal	Alexandra V. Silva	
	P29	13:35-14:35	PM10 Air pollution in Portugal between 2001 and 2011	Portugal	Tiago Faria	