

COMECAP 2014



Program



University Of Crete



Hellenic Meteorological
Society



MARIOPOULOS-KANAGINIS
FOUNDATION FOR ENVIRONMENTAL SCIENCES

12th INTERNATIONAL CONFERENCE
of Meteorology, Climatology
and Physics of the Atmosphere
Heraklion 28–31 May 2014

AMPHITHEATER MANASSAKI
STUDENT'S CENTER BUILDING
UNIVERSITY OF CRETE CAMPUS,
VOUTES, HERAKLION ,CRETE

The Program at a glance

	Wed 28/5	Thu 29/5	Fri 30/5	Sat 31/5
	Atmospheric Chemistry and Physics, Environmental Pollution, Remote sensing, Climatology		Climatology, Meteorology, Agrometeorology, Extreme events	
08:30	Registration	Registration	Registration	Registration
9:00-10:30	Environmental Pollution	Atmos. Chem. Phys. 3	Climatology, Meteorology 1	Agrometeorology - ENORASIS
10:30-11:00	Coffee break			
11:00-12:30	Remote Sensing	Atmos. Chem. Phys. - Climatology	Climatology, Meteorology 2	Meteorology- Extreme events 2
12:30-14:00	Lunch			Awards-Closing event
		Bioclimate-Agro-meteorology-Bio-meteorology		
14:00-15:30	Atmos. Chem. Phys. 1	Atmos. Chem. Phys.- 5	Meteorology, Climatology 3	
15:30-16:00	Coffee break			
16:00-17:30	Atmos. Chem. Phys. 2	Bio-climate-Agro- & Bio-meteorology	Meteorology- Extreme events 1	
17:30-19:00	Poster Session 1	Poster Session 2	Poster Session 3	
19:00	Welcome Reception		EMTE & Awards	
20:30		Conference Dinner		

Wednesday 28 May 2014

Oral Presentations - morning

Introductory talks		
9:00-9:15	Welcome by the Program Committee, Hellenic Meteorological Society, Mariolopoulos-Kanaginis Foundation	N. Mihalopoulos P. Nastos
9:15-9:30	Introductory talk by the Rector of the University of Crete	E.G. Stephanou
Environmental Pollution		
<i>Chairs: N. Mihalopoulos, M. Kanakidou</i>		
9:30-10:30	Health effects of air pollution and airborne desert dust	Jos Lelieveld
	Trends in population exposure to particulate matter in urban areas of Greece during the last decade	V. Aleksandropoulou
	Interaction of black smoke with solar radiation	H. Kambezidis
	Mapping variability and trends of near surface NO _x rural concentrations over Europe during 2004-2011	D. Aggelis
10:30-11:00	COFFEE BREAK	
Remote sensing		
<i>Chairs: D. Balis, N. Hatzianastassiou</i>		
11:00-12:30	Observing the Anthropocene from Space: from SCIAMACHY to GeoSCIA/Copernicus Sentinel 4, Sentinel 5, CarbonSat and SCIA-ISS	John P. Burrows
	Lidar climatology of Vertical Aerosol Structure (LIVAS): a 3-dimensional global aerosol database	V. Amiridis
	Multi-modal fitting of AERONET size distributions during atypical aerosol conditions	M. Taylor
	Aerosol effect on atmospheric heating rate profiles using vertically resolved satellite aerosol data	M.B. Korras-Carraca
	Aerosol-cloud relationships over major conurbations of China	St. Stathopoulos
	Detection of storm cells with the use of Meteosat satellite images and the application of rgb composites Airmass and Convection	T. Mavroukou
12:30-14:00	LUNCH BREAK	

Wednesday 28 May 2014

Oral Presentations - afternoon

Atmospheric Chemistry and Physics -1		
<i>Chairs: E. Gerasopoulos, M. Lazaridis</i>		
14:00-15:30	Atmospheric Concentrations and Chemical Composition of Fine Aerosols in the Western Mediterranean Sea: Today and 10 Years Ago. Simultaneous gas and aerosol measurements at Santorini and Finokalia, during Etesians Atmospheric aerosol observations at Navarino Environmental Observatory (NEO), Greece Chemical characterization and sources of ambient aerosol and gas pollutants during summer 2012 in two urban background locations in the Eastern Mediterranean Aerosol optical depth in the UV spectral region retrieved by filter sunphotometers and a Brewer spectroradiometer Links between summer circulation and tropospheric ozone at Eastern Mediterranean/ Middle East	Jean Sciare P. Kalkavouras R. Krejci E. Kostenidou N. Kouremeti P. Zanis
15:30-16:00	COFFEE BREAK	
Atmospheric Chemistry and Physics - 2		
<i>Chairs: S. Pandis, C. Pilinis</i>		
16:00-17:30	Atmospheric nucleation and cloud condensation nuclei production Impact of aerosols on atmospheric radiation and consequent feedbacks on meteorology and photochemistry Organic aerosol concentration and composition over Europe Chemical mass closure of atmospheric aerosol collected over Athens, Greece. Effects of climate change on summertime air quality in Greece Regional short-lived pollutant emissions and their effects on climate	Veli-Matti Kerminen J. Kushta Ch. Fountoukis D. Paraksevopoulou A. Megaritis A. Voulgarakis
17:30-19:00	POSTER SESSION 1	
19:00-21:00	WELCOME RECEPTION (<i>student center building</i>)	

Thursday 29 May 2014

Oral Presentations - morning

Atmospheric Chemistry and Physics 3 - Aerosol/Clouds- <i>Chairs: I. Vardavas, C. Matsoukas</i>		
9:00-10:30	Using Advanced Sensitivity Methods to Understand Aerosol - Cloud Interactions in Climate Models	Athanasios Nenes
	Hygroscopicity and CCN activity of aerosol in the Southeast U.S. during the SOAS/SENEX Field Campaign	K. Bougiatioti
	On the aerosol-cloud relations over Eastern Mediterranean	A. Georgoulas
	Possible effects of aerosol changes on cloud physical properties	C. Kagkara
	Simulation of Marine Boundary Layer Evolution in the Aegean Sea during Etesians	A. Dandou
	Shallow cumulus to fair weather transition: cloud radiative effects and relation to dynamic atmospheric conditions	D. Konsta (G. Tselioudis)
	10:30-11:00	COFFEE BREAK
Atmospheric Chemistry and Physics 4 - Climatology <i>Chairs: K. Tourpali, M. Vrekoussis</i>		
11:00-12:30	Sampling the chemical composition during the morning transition of the boundary layer with a Zeppelin	Maarten Krol
	Atmospheric ion observations related to new particle formation in the atmosphere of Eastern Mediterranean	N. Kalivitis
	Effects of mineral dust on global distribution of nitrates	V. Karydis
	Long term variability of visibility in Athens- The urban influence	D. Founda
	Climatology of lightning activity in the Mediterranean	V. Kotroni
	16-month air mass cluster analysis over Greece and Romania, using synergy of ground-based and space-borne remote sensors: application in air quality assessment linked to transport processes	G. Tsaknakis
12:30-14:00	LUNCH BREAK	

Thursday 29 May 2014

Oral Presentations - afternoon

Atmospheric Chemistry and Physics 5- Observations/Radiation			
<i>Chairs: A. Bais, H. Flocas</i>			
14:00-15:30	ICOS a European infrastructure for high precision monitoring of greenhouse gases	Michel Ramonet	
	Solar UV Index forecast and observational network of the National Observatory of Athens	T. Kopania	
	Surface total solar radiation variability at Athens, Greece since 1954	S. Kazadzis	
	Long-term trends and climatology of spectral surface UV irradiance at Thessaloniki, Greece	I. Fountoulakis	
	Homogenization of Greek Climate Temperature Series	A. Mamara	
	Advanced satellite image fusion techniques for estimating high resolution Land Surface Temperature time series	Z. Mitraka	
	15:30-16:00 COFFEE BREAK		
Bioclimate-Agrometeorology-Biometeorology			
<i>Chairs: I. Tsiros, A. Bartzokas</i>			
16:00-17:30	Assessment of human-biometeorological conditions in urban areas embedded in complex topographies – The example of Stuttgart	Andreas Matzarakis (C. Ketterer)	
	The relationship between frost events and agricultural losses: An empirical analysis	K. Papagiannaki	
	Molecular insights in cold stress tolerance of durum wheat cultivars	G. Fragogeorgi	
	ECMWF products in agro meteorological forecast in Croatia	M. Vucetic	
	First results on the thermal comfort conditions in the Athens Metro during the summer period	Dimosthenis N. Asimakopoulos (G. Katavoutas)	
	Assessing impacts of meteorology and climate on invasive mosquitoes in S.E. Europe during LIFE CONOPS Project: Preliminary results	R.E.P. Sotiropoulou	
	17:30-19:00 POSTER SESSION 2		
	20:30 CONFERENCE DINNER (<i>Petoussis Tavern - Ammoudara</i>)		

Friday 30 May 2014

Oral Presentations - morning

Climatology-Meteorology 1		
<i>Chairs: D. Melas, J. Kysely</i>		
9:00-10:30	Mitigating the Impact of Climate Change on Drought: The potentiality of a precipitation enhancement project (DAPHNE) in Thessaly	Theodoros Karacostas
	The rainfall regime in Lisbon in the last 150 years	H. Kutiel
	Various aspects of dryness in Serbia and Montenegro	J. Lukovik
	Modeling storm surges in the Mediterranean Sea under the A1B climate scenario	Y. Krestenitis
	Modes of diurnal variation of illuminance in Bratislava, Slovakia, during summer	L.A. Lytra
	The influence of the 11-yr solar cycle on climate in the CMIP5 historical simulations	S. Misios
	10:30-11:00	COFFEE BREAK
Climatology-Meteorology 2		
<i>Chairs: N. Prezeratos, H. Feidas</i>		
11:00-12:30	Overview of current developments and applications of Instability Indices in Europe under Climate Change Conditions	Silas Michaelides
	Homogenization of long-term time-series of rainfall records in Cyprus	F. Tymvios
	The future perspective of Etesian wind patterns over Aegean Sea	Ch. Anagnostopoulou
	The Etesian winds over Aegean Sea in the 21st century from Earth System Model (ESM) simulations.	I. Logothetis
	Atmospheric conditions analysis of waterspout events based on thermodynamic environment and sea surface temperature distribution over south Aegean Sea, Greece	I. T. Matsangouras
	Waterspout climatology over the central eastern Mediterranean	M. Sioutas
	12:30-14:00	LUNCH BREAK

Friday 30 May 2014

Oral Presentations - afternoon

Meteorology-Climatology 3		
<i>Chairs: K. Lagouvardos, J. Puskas</i>		
14:00-15:30	<p>Relationship between the atmospheric circulation over the Mediterranean and the teleconnections over the Eastern Atlantic</p> <p>Migratory anticyclones affecting the Mediterranean: climatological characteristics and links with modes of atmospheric variability</p> <p>Analysis of the land surface temperature changes around the Mediterranean during the period 2000-2012</p> <p>Spatio-temporal variability of tropical nights over Greece, related to atmospheric circulation.</p> <p>Dynamics and climatology of summertime tropopause fold activity over the eastern Mediterranean and the Middle East</p> <p>Changes in heat wave properties in the eastern Mediterranean and the Middle East</p>	<p>Panagiotis Maheras</p> <p>M. Hatzaki</p> <p>D. Tzelidi</p> <p>E. Tsiniari</p> <p>E. Tyrlis</p> <p>G. Zittis</p>
15:30-16:00	COFFEE BREAK	
Meteorology-Extreme Events -1		
<i>chairs: Tseferi T. Kallos G.</i>		
16:00-17:30	<p>Quantifying the importance of the Mediterranean Sea as a moisture source for extreme precipitation and flooding episode</p> <p>Analysis of Mediterranean extreme rainfall events in the presence of cyclones using observation from the HyMeX SOP in October 2012</p> <p>Variations of Sea Level Pressure during Explosive Cyclogenesis in the Mediterranean</p> <p>Dual-Polarization X-band Mobile Radar Observations as a Hydrologic Support Tool during the HyMeX Special Observation Period in North-East Italian Alpine Region</p> <p>Evaluation of a WRF-hindcast ensemble within the EURO-CORDEX project.</p> <p>Effect of climate projections on the behavior and impacts of wildfires in Messenia, Greece</p>	<p>L. Gimeno</p> <p>E. Flaounas</p> <p>E. Avgoustoglou</p> <p>M. Anagnostou</p> <p>E. Katragkou</p> <p>K. Kalabokidis</p>
17:30-19:00	POSTER SESSION 3	
19:00-19:30	EMTE prices for best photo	

Saturday 31 May 2014

Oral Presentations - morning

Agrometeorology- ENORASIS		
<i>Chairs: A. Kazatzidis</i>		
9:00-10:30	Meteorological Ensemble Simulations for Hydrological Applications	J. Kioutsioukis
	Impact of SRTM and Corine Land Cover data on meteorological parameters using WRF	A. de Meij
	Can irrigation decision support systems counterbalance the effect of increasing irrigation water prices?	A. Bruggeman/ C. Corrado
	Integrating wireless soil moisture and meteorological monitoring with numerical weather forecast into a comprehensive decision support system for irrigation management	A. Lopatka
	Sustainable water use in Polish agriculture to fit WFD compliancy in aspect of information needs on agro-meteorology and weather forecast	J. Kzyra / R. Wawer
	The use of WRF with data assimilation technique for daily weather forecast on smaller scale within the ENORASIS framework	Hermann Jakobs
	10:30-11:00	COFFEE BREAK
Meteorology-Extreme Events 2		
<i>Chairs: K. Kourtidis, P. Nastos</i>		
11:00-12:45	Spectral characteristics of the basic meteorological parameters in the Marine Atmospheric Boundary Layer	Costas G. Helmis
	Verification of operational weather forecasting systems on the planetary boundary layer (PBL)	F. Gofa
	The coupled atmosphere-ocean wave modeling system WEW	P. Katsafados
	Modeling the air-sea wave interaction processes in an explosive cyclone over the Mediterranean Sea	G. Varlas
	Evaluation of the Operational Numerical Weather Predictions of the WaveForUs project	I. Pytharoulis
	The impact of model resolution and cloud microphysics on the simulation of extreme flash-flood triggering storms	N. Bartsotas
	An extreme thunderstorm event over Attica on February 22, 2013	A. Marinaki
	12:30-13:00	BEST POSTER PRICES (<i>students & young researchers</i>)
13:30	END - FAIR WELL PARTY (<i>Chemistry Department</i>)	

Poster Presentations

Displayed in 3 sessions:

**from Wednesday 28/5 to Friday 31/5 at
17:30-19:00**

- Posters are to be displayed for the entire day.
- There will be a **poster competition for students and young scientists** (up to 3 years after PhD and under 35 years of age) sponsored by meteo.gr. **To register participation and obtain your sticker, please contact the secretariat upon arrival.**
- The general poster display time is from 08:30–19:30 from Wednesday to Friday. Authors are kindly requested to leave their posters for display during the respective poster session and remove them the latest, before the morning session of the following day.
- During the attendance time of each poster session, as per the session program below, authors are kindly requested to be available at their poster display.

Wednesday 28 May 2014

Poster Session-1- 17:30-19:00

P#	Abstract ID	Environmental Pollution	First author
1	25	Simulation of physical and chemical processes of polluted air masses during the Aegean-Game airborne campaign using WRF-Chem model	Bossioli E
2	45	CART-based association analysis of meteorological data with PM10, CO and NOx concentrations in Athens	Asproulas H
3	48	Characterization of a CCD spectrometer for DOAS retrieval of atmospheric gases	Kouremeti N
4	52	Air pollution from airborne particulate matter during wintertime in two Greek cities	Florou K
5	54	Was the Sahara dust transport towards Greece exceptionally frequent and persistent during the Spring 2013 ?	Gkikas A
6	75	NO ₂ measurements over Athens using the MAX-DOAS technique	Gratsea M
7	83	The use of ATR spectroscopy for the determination of functional groups in size segregated aerosol collected during a forest fire	Kalampounias AG
8	92	Meteorological parameters affecting the air pollution of the city of Patras	Karagiannidis AF
9	98	Meteorological conditions associated with severe dust storms in the Sistan region, Iran	Kaskaoutis D
10	114	Impact of International Shipping Emissions On Regional Air Quality of Istanbul Megacity	Kilic A
11	118	The impact of the forest fire episode at Mount Athos in August 2012 on the air quality of the city of Thessaloniki	Kollias P
12	170	Air quality investigation within the greater Thessaloniki area, Greece	Moustris KP
13	192	Study of the long-range transport mechanisms affecting air quality over Athens and Bucharest using synergy of remote and in situ sensors: the case of July 2012	Papayannis A
14	193	Coastal water quality monitoring over Cyprus based on ground truth field spectroradiometric data and remotely sensed observations	Papoutsas Ch
15	220	Evaluation of FLEXPART smoke dispersion using	Sofiou F-I

		MISR plume heights	
16	224	Modeling air pollution in Europe and the role of anthropogenic and biogenic emissions	Tagaris E
17	253	Long-term particulate matter variability in Cyprus and the Eastern Mediterranean	Kleanthous S
18	257	Atmospheric Pollution at the University of Patras Campus during fire events	Bloustos A
19	267	Analyses of Cd, Cr and Pb concentration in the aerosols using different digestion methods	Alushllari M
20	272	Assessment of roadside nitrogen dioxide variability using diffusive sampling method	Mico S
21	271	Occurrence of Nitrogen Oxides, PM2.5, and PM2.5-bound Polycyclic Aromatic Hydrocarbons in the Ambient Air of Heraklion (Island of Crete)	Iakovidis M

P#	Abstract ID	Remote Sensing	First author
22	2	Remote Sensing Observations and Model Simulations over Cyprus: A desert dust event analysis.	Mamouri R-E
23	8	Comparison of mixing layer heights derived from CALIPSO and WRF model simulations	Marinou
24	104	A 3D aerosol climatology in the atmosphere of Greece by remote sensing & radiative-transfer modeling techniques	Kosmopoulos P
25	225	AEROMAP: Satellite retrieval of dust aerosol microphysical and optical parameters using neural networks	Taylor M
26	233	Validation of CALIPSO classification scheme using airborne in-situ data.	Tsekeri A
27	20	The aerosol effect on potential evaporation at the Athens main water supply reservoirs	Benas N
28	180	Long range aerosol observations over Limassol using remote sensing techniques (2010-2013)	Nisantzi A
29	144	Tropical tropospheric ozone columns from nadir retrievals of GOME-1/ERS and SCIAMACHY/Envisat	Leventidou E
30	62	Variability of a thirty-year record of total ozone derived from a Brewer spectrophotometer at Thessaloniki and the SBUV version 8.6	Fragkos K.
31	129	Global total ozone and sulphur dioxide columns validation as part of the EUMETSAT Satellite Application Facility on Ozone and Atmospheric Chemistry Monitoring.	Koukouli M

32	130	Validation of an improved European long-term multi-sensor global total ozone record as part of the ESA Climate Change Initiative	Koukouli M.
33	131	Satellite Monitoring of Ash and Sulphur Dioxide for the mitigation of Aviation Hazards	Koukouli M.
34	190	Waterspout cloud top detection using MSG SEVIRI Infrared brightness temperature over south Aegean Sea.	Papa-christopoulou K.
35	47	Preliminary retrieval of water vapor column from direct solar irradiance spectral measurements with a CCD system	Drosoglou Th.
36	15	Use of a Synthetic Satellite Imagery towards Cloud Evaluation over the Southeastern Europe	Avgoustoglou E.

P#	Abstract ID	Atmospheric Chemistry and Physics - poster session 1	First author
37	13	Spatial distribution of aerosol species over the Aegean Sea: model coupling and evaluation during a recent Etesian period	Athanasopoulou E
38	33	Modeling the East Mediterranean marine ecosystem response to the atmospheric deposition nutrient fluxes	Christodoulaki S
39	42	Global Oxidant and Organic Aerosol sensitivity to biomass burning emission inventories.	Daskalakis N
40	65	Visibility records and trends since 1956, as a proxy of decadal changes in aerosol loads (SW Greece, Messenia)	Gerasopoulos E
41	194	Sensitivity of the atmospheric heating/cooling rate profile to the vertical distribution of aerosols	Pappas V
42	88	Past and Future changes of organic and inorganic nitrogen global atmospheric deposition	Kanakidou M
43	97	Current state of knowledge about aerosol trends over northern India	Kaskaoutis D
44	99	A study of the atmospheric electric field at an AERONET site in Xanthi, Greece, and its relation to AOD	Kastelis N
45	145	Sea salt and windblown dust emissions in the Eastern Mediterranean – Study of the natural PM emissions dependence on meteorology	Liora N
46	173	On the importance of aqueous-phase chemistry on the oxidative capacity of the troposphere: A 3-	Myriokefalitakis S

		dimensional global modeling study	
47	178	Trace Metals in PM ₁₀ Particles over the Eastern Mediterranean	Nikolaou P
48	184	Atmospheric Chemistry of (CF ₃) ₂ C=CH ₂ : OH radicals and Cl atoms rate coefficients, End-Products Analysis, IR spectra and Radiative Efficiency and GWP Determinations	Papadimitriou V C
49	185	Metal-Doped TiO ₂ nanopowders as potential cleansers of air-toxic pollutants: UV and visible photocatalytic activity of Co-, Mn-, and Mn/Co-doped TiO ₂	Karafas E
50	4	Estimating near surface ozone trends over Europe for the time period 1996-2006 using the RegCM3/CAMx modeling system	Akritidis D
51	77	Cloud effects on tropical longwave radiation budget	Pyrina M
52	79	Investigation of the factors affecting solar UV Index forecast using satellite data	Papaioannou M
53	105	Solar energy prediction and verification using model forecasts and ground-based solar measurements	Kazadzis S
54	108	Development of a neural network model of cloudiness forecasting for solar energy purposes	Kazantzidis A
55	172	Estimation of hourly global irradiation using artificial neural networks	Paliatsos AG
56	274	SOLID – a European FP7 Project towards the First European Comprehensive Solar Irradiance Data Exploitation	Haberreiter M
57	133	A yet unreported atmospheric optical phenomenon: The green sky band	Kourtidis K

Thursday 29 May 2014

Poster Session-2- 17:30-19:00

P#	Abstract ID	Atmospheric Chemistry and Physics - poster session 2	First author
1	214	An isotope-evaporation model for the investigation of the sub-cloud evaporation effect in precipitation	Salamalikis V
2	222	Fitting ambient submicron particle size	Stavroulas I

		distributions using the Expectation Maximization Algorithm	
3	235	Consolidating global AeroCom simulations of organic aerosols	Tsigaridis K
4	237	Modeling global organic aerosol formation and growth	Tsimpidi A
5	244	Simulations of new particle formation and growth processes at Eastern Mediterranean, with the MALTE-Box model	Tzitzikalaki E
6	249	The influence of air mass origin to the solubility of atmospheric P.	Violaki P
7	259	An evaluation of the mesoscale chemistry model (WRF-CHEM) over the Mediterranean region	Amanatidis D
8	153	Atmospheric cluster dynamics in the Eastern Mediterranean	Manninen H
9	228	Long-term measurements of carbonaceous aerosols in the Eastern Mediterranean	Theodosi Ch
10	22	Assessment of ground based particulate matter measurements at two Mediterranean places during Saharan dust events	Bleta A
11	275	Aerosol forcing efficiency from the FORTH radiative transfer model with CALIOP AOD vertical profiles	Korras-Carraca MB
12	247	Climate change and future ozone concentrations in high resolution over Europe	Varotsos K
13	236	Evaluating the impact of data assimilation on near surface ozone in the MACC-ii global reanalysis	Tsikerdekis A
14	252	Variability and trends of tropospheric ozone in Cyprus and the Eastern Mediterranean	Kleanthous S
15	207	Regression of the Direct Irradiance Intensity with Precipitable Water Depth and Relative Atmospheric Mass (part I)	Rapti A
16	208	A Method for Calculating O ₁ D and NO ₂ Photolysis Frequencies using satellite based UV solar radiation retrievals	Raptis IP
17	260	The Hellenic Solar Energy Network: validation of products	Bais A
18	261	Estimated Products in Thessaloniki from a NILU-UV multichannel radiometer	Zempila M Bais A
19	270	Solar Radiation Measurements and Model Calculations at Inclined Surfaces	Kazadzis S

20	6	Modeling surface solar radiation over Eastern Mediterranean	Alexandri G
21	39	Cloud-screening algorithm and determination of clear sky solar irradiance and cloud properties in the island of Lampedusa	Dafis S
22	107	Current state report on Weather Intelligence for Renewable Energies (WIRE) in the frame of COST Action ES1002	Kazantzidis A

P#	Abstract ID	Climatology-Meteorology	First author
23	12	Effect of climatic conditions on the energy performance of typical dwellings across Europe	Assimakopoulos MN
24	30	Long-term evolution of daily atmospheric circulation indices and types in European regions since 1850	Cahynova M
25	31	Very high resolution daily precipitation and temperature projections for Cyprus: 2020-2050	Camera C
26	36	Stability of thermal conditions in Central Europe	Ciaranek D
27	46	Study of climate change impacts on tourism in Messenia using a regional climate model	Douvis K
28	49	Preliminary analysis of long-term variability of upper tropospheric humidity in the northern mid-latitudes	Eleftheratos K
29	50	The geographic climate information system Geoclimate	Feidas H
30	55	Multi-annual changes in the occurrence of prevailing cloud types in Athens	Founda D
31	57	A climatic study at a vulnerable touristic region of Southwestern Greece – Observations and simulations	Founda D
32	66	Climatic conditions of the delta of the Pinios River (Thessaly, Greece), based on in-situ meteorological measurements	Ghionis G
33	84	Athens cloudiness index variability and correlation with main teleconnection indices	Kalimeris A
34	87	Air temperature conditions in relation to the terrain and the ground cover type in a region of the island Kefallinia, Greece	Kamoutsis A
35	89	The influence of North Sea-Caspian Pattern (NCP) in the precipitation regime over Europe and Mediterranean	Kapsomenakis J

36	91	Comparison of six spatial interpolation methods for the estimation of missing daily temperature and precipitation data	Karagiannidis AF
37	93	An integrated assessment of climate change impacts from the regional scale of the area of Peloponnese to the local scale of the area of Messinia	Karali A
38	102	A transient high resolution regional climate simulation for Greece for the period 1960-2100	Katragkou E
39	119	Homogenization of mean monthly precipitation time series	Kolokythas K
40	142	Precipitation extremes in regional climate model simulations over Europe	Kysely J
41	148	Atmospheric circulation characteristics favouring precipitation in Cyclades Islands, southern Aegean	Varrias S
42	149	Analysis of the correlation between circular and linear variables. An application to wind direction and air temperature data.	Lototzis M
43	245	Climatic study of the surface wind field and extreme winds over the Greek seas	Vagenas C
44	164	Prediction of daily maximum and minimum air temperature values using dynamic neural network models	Mazou E
45	174	Constraining future climate-land carbon cycle projections using observationally-based carbon flux estimates	Mystakidis S
46	175	Seasonal analysis of composite mean and anomaly of synoptic conditions during waterspout days over north Cretan Sea, Greece	Nastos P
47	181	Phase coherence between solar/geomagnetic activity and climate variability from stratosphere to troposphere	Novotná D
48	182	On the relation between heat wave events and fire risk indices over Chalkidiki- Greece.	Pakalidou N
49	188	The urban climate characteristics of Greek cities	Papamanolis N
50	199	Variability and trends of mean maximum and mean minimum air temperature within the Mediterranean region, during the period 1951-2013	Philandras K
51	201	Precipitation characteristics over Czech Republic simulated by ALARO-Climate RCM	Pokorna L
52	203	Statistical Investigation of Subalternation of the	Puskas J

		Daily Mean Wind Speed on the North-West Region of Carpathian Basin	
53	211	Effects of extreme teleconnection indices on climatic parameters over Mediterranean: present and future simulations	Roussi E
54	232	Climatology and origins of air masses over Thessaloniki	Tsavdari A
55	240	A comparison and statistical analyses of model water balance simulations in areas with different climatic and soil conditions: a preliminary study.	Laiaki M
56	241	The influence of Pindus mountainous range upon the temperature and precipitation characteristics	Tympanidis K
57	248	High Resolution Climate over Greece: Assessment and Future Projections	Velikou K
58	250	Greece, 1900-2000. Reflections of extreme weather events in daily, periodical and electronic press	Vlahakis GN
59	255	Soil temperature regime in Croatia	Vucetic V
60	269	Climate and climate change analysis for the island of Korcula, Croatia	Gajic-Capka M

Friday 30 May 2014

Poster Session -3- 17:30-19:00

P#	Abstract ID	Meteorology/Extreme Events	First author
1	112	The Study of Atmospheric Blocking Associated with Negative Precipitation Anomaly in Iran	Azizi G
2	16	Radar storm characteristics based upon their synoptic situations over Thessaly	Bampzelis D
3	34	Supercell Storms in Northern and Central Greece	Christodoulou M
4	53	Space-time and kinematic features of hailstorms in Northern and Central Greece	Foris D
5	95	Coupled Weather – Wildland Fire Model for fire behavior interpretation	Kartsios S
6	127	A 1010 hPa cyclone causing extreme rainfall and an autumn chlorophyll bloom	Kotta D
7	179	Nowcasting extreme weather events: the case study of the deadly flash flooding at November 22nd 2013 in Rhodes Island	Nomikou V

8	202	A web service for the assessment of the behaviour and the spread of a forest fire	Poursanidis D
9	216	Investigation of extreme precipitation in Greece. Can this phenomenon be attributed to atmospheric rivers?	Mita C
10	217	Differences between two hailstorms developed under two different forcing mechanisms over the same synoptic environment in Central Macedonia	Sfyri E
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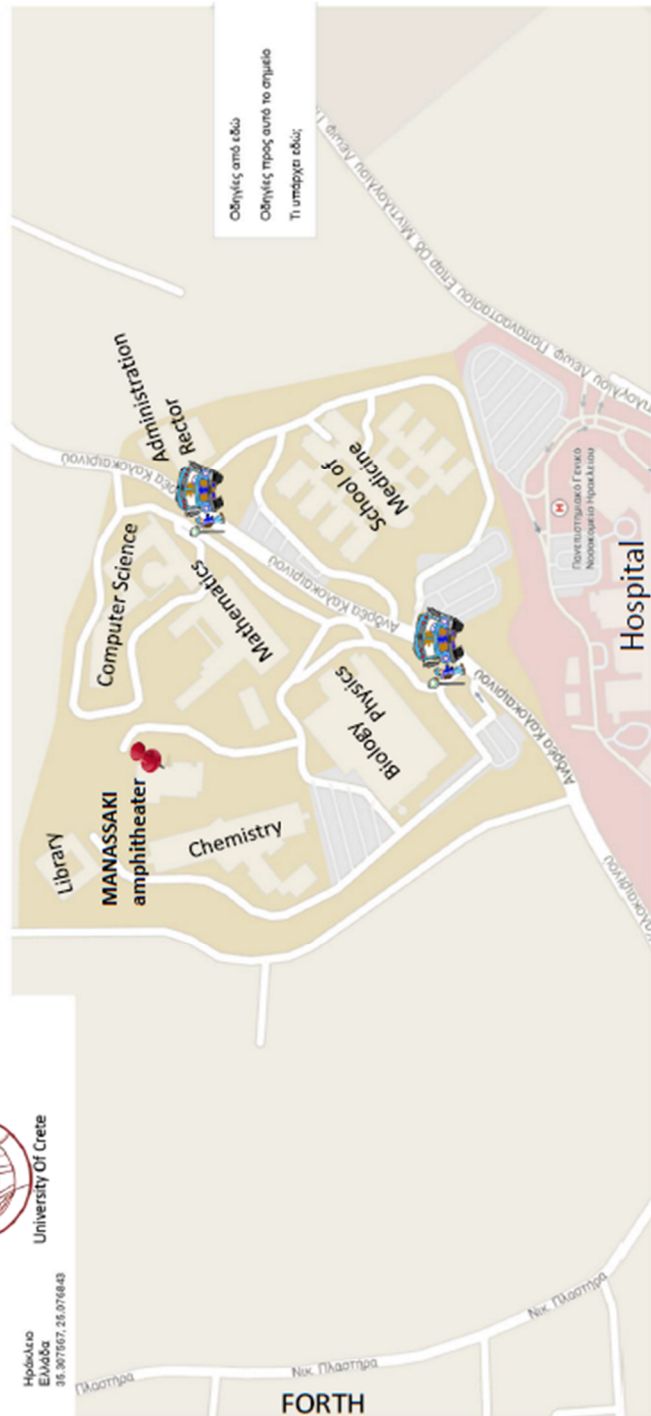
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