

MONDAY, 17 September 2018

15:00-17:00	REGISTRATION (Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 2, Main Hall)			
18:00-20:00	CONFERENCE OPENING (Location: University of Belgrade, Studentski trg 1, 11000 Belgrade, Level 3)			
18:00	Jelena Luković and Piero Lionello: The MedCLIVAR 2018			
18:10	Representative of the Serbian Government: Welcome Address			
18:20	Ivana Cvijanović: "Through Distant Worlds and Times - the story of Milutin Milanković"			
19:00	Ice Breaker welcome reception (Location: University of Belgrade, Studentski trg 1, 11000 Belgrade, Level 1)			
TUESDAY, 18 September 2018				
07:30	REGISTRATION (Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 2, Main Hall)			
09:00-10:30 09:00	Session 1: The Mediterranean Regional Climate System (Location: Main Hall, Level 2) Pierre Nabat (Invited): Aerosols and weather regimes over the Mediterranean: a coupled regional modeling approach			
09:30	Nadia Pinardi: The Mediterranean sea overturning circulation			
09:45	Ivica Vilibić: The Adriatic-Ionian Bimodal Oscillating System (BIOS) and the Adriatic oceanography			
10:00	Eftychia Rousi: Identifying remote drivers of Mediterranean rainfall using Machine learning and Causal discovery			
10:15	tools Marianna Benassi: ENSO teleconnections over the Euro-Mediterranean region: The role of PDO modulation			
10:30	Ivana Herceg Bulić: Detection of ENSO and NAO impacts on European region in a large ensemble of numerical simulations			
10:45	Coffee break (30')			
11:15 -13:00	Session 2: Past climate evolution of the Mediterranean region (Location: Main Hall, Level 2)			
11:15	Eleonora Regattieri (Invited): Expression, frequencies and dynamics of sub-orbital scale variability during marine isotope stages 19: insights from the Sulmona basin (Central Italy)			
11:45	Slobodan Marković: The influence of Mediterranean climate on Southeastern Europe during the last five glacial-interglacial cycles			
12:00	Michael Styllas: A new record of the late glacial and holocene glacial history of the Northeast Mediterranean mountains inferred from in situ produced 36cl cosmic ray exposure dating of paleo-glaciers deposits on Mount Olympus, Greece. Implications for the relative roles of external and internal climate forcing			
12:15	Elena Xoplaki: Modeling climate and societal resilience in the Eastern Mediterranean during the last millennium			
12:30	Lucas Lourens (Invited): The Mediterranean plio-pleistocene: a reference frame for astronomically paced low and high latitude climate changes			
13:00	Lunch break			
15:00-16:30	Parallel sessions			
15:00	Session 1 (Main Hall, Level 2) Florence Sevault: A numerical simulation of the ERA- Interim period on the Mediterranean region with the in the Southern Adriatic sea: Coccolithophere evidences			

Interim period on the Mediterranean region with the in the Southern Adriatic sea: Coccolithophore evidences

regional climate system model CNRM-RCSM6

- 15:15 Emilia Sanchez-Gomez: Impact of the internal variability on the cyclone tracks simulated by a Regional climate model over the Med-CORDEX domain
- 15:30 Annick Douguédroit: Modeling temperature distribution and recent warming along the Mediterranean coast and its mountains inland (out of the UHI: urban heat islands): the extreme South-Eastern French area case
- 15:45 Aleksandar Sekulić: Space-time interpolation of daily precipitation over Mediterranean area using random forest
- 16:00 Milena Menna (Invited): Decadal and climatic variability of the Ionian circulation
- 16:15 Asli Ilhan: Analysis of Cosmo-CLM sensitivity over Turkey

Michael Grelaud: Emiliania huxleyi calcite mass variability during periods of rising atmospheric CO₂ in the Mediterranean sea

Session 6 (Main Hall, Level 2)

Jose Lascurain: What emerged beach analysis can tell about the vulnerability of the whole system: Informing adaptation to climatic change on beaches of Catalonia, Spain

Marina Baldi: Climatology of extreme rainfall events and the water harvesting potential in Egypt

16:30-18:00 POSTER Session/Beer Mix

(Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 3)

- 1A- Gorica Stanojević: The influence of Mediterranean cyclones on precipitation distribution in Serbia
- 2A- Margarida L. R. Liberato: High-impact storms in Portugal: consistent catalogues of compound events
- 3A Ivana Tošić: Is there any influence of the EA/WR pattern on precipitation over Mediterranean and Serbia?
- 4A Ozcan Ceyhun: Wind-driven sensitivity analysis of Aegean sea coastal upwelling system using Regional Earth System Model (REGESM)
- 5A Marco Reale: Assessment of RegCM-ES performances over the Med-CORDEX domain
- 6A- Hadas Saaroni: Automatic identification and classification of the Red sea trough
- 7A- Paolo Ruggieri: The sensitivity of Mediterranean winter to Siberian snow cover variability
- 8A- Matej Ogrin: Minimum temperatures in Slovenian Istria as the result of local climate impact
- 9A- Thomas Druge: Integration of an ammonium-nitrate aerosol module into the CNRM regional climate system model and estimation of their impacts over the Mediterranean Regional Climate
- 10A- Uwe Ulbrich: Sub-hourly precipitation over a western Mediterranean catchment in a convectionpermitting model
- 11- Piero Lionello: The link between Mediterranean storm track and sea level anomalies along the Mediterranean coastline
- 12A- Alan Maria Mancini: Calcareous Nanno-fossils study reveals new paleoenvironmental and biostratigraphic insights at and prior the onset of the Messinian Salinity Crisis in the Sorbas basin
- 13A- Aurel Persoiu: Flood events in Transylvania during the Medieval warm period and the Little Ice Age
- 14A- Carla Taricco: δ18O profile measured in the Central Mediterranean core CT 85-5 and the last deglaciation
- 15A- Francesca Lozar: Paleoenvironment conditions at the onset of the Messinian salinity crisis triggered calcareous Plankton size decrease
- 16A- Kazuyo Tachikawa: The past 23-kyr Eastern Mediterranean sea circulation inferred from Authigenic Nd Isotopes, foraminiferal stable isotopes and bulk elemental composition
- 17A- Alba González-Lanchas: High resolution study in Alboran sea (ODP 977) during the MIS 11: A Mid-Brunhes Event interpretation perspective based on coccolithophores
- 18A- Lucia A. Azibeiro: Western-Eastern Mediterranean freshening during termination V
- 20A- Mercè Cisneros: Climatic evolution of the last 2700 years in the Balearic sector: Integrated study of cave and marine records



- 21A- Mary Athanasiou: Early-middle Miocene paleoclimatic reconstruction in the Eastern Mediterranean: Kottaphi Hill section, Cyprus island
- 22A- Piero Lionello: Comparing the simulated Mediterranean climate in different conditions: Last glacial maximum, Mid-Holocene and the RCP8.5 projection at the end of the 21st century
- 23A- Giannis Sofiadis: Climatic impact of an extreme land cover change scenario on the Mediterranean basin 24A- Yael Amitai: Past millennium Mediterranean climate from vermetid SST proxies and CMIP5 models

WEDNESDAY, 19 September 2018

08:00	REGISTRATION (Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 2, Main Hall)		
09:00-10:45	Session 3: Assessment of climate change in the Mediterranean region and climate projections (Location: Main Hall, Level 2)		
9:00	Douglas Maraun (Invited): Inferring information on future changes in regional precipitation extremes by means of dynamical and statistical modeling		
9:30	Damià Gomis Bosch: Projections of Mediterranean heat and salt content evolution during the XXI century based or MedCORDEX AORCMS and a simple box-model		
9:45	Natalija Dunić: Present and future climate and variability of the Adriatic dense water formation and the BIOS: Assessment of climate models		
10:00	George Zittis: A multi-model, multi-scenario and multi-domain analysis of Regional climate projections for the Mediterranean		
10:15	Radan Huth: Collective statistical significance and its relevance for climate change detection in the Mediterranean		
10:30	Isla Simpson: The influence of uncertainty in the northern hemisphere stratospheric polar vortex response to climate change on future projections of Mediterranean hydroclimate		
10:45	Coffee break (30')		
11:15	Samuel Somot: Future evolution of the western Mediterranean deep water formation under climate change: a		
	coupled high-resolution multi-model approach		
11:30	Ivana Marinović: "Observed and projected changes in the	dry spells" statistics over Croatia	
11:45-13:00	Session 4: Climate extremes and hazards in the Mediterranean region under a changing climate (Location: Main Hall, Level 2)		
11:45	Enrico Arnone: Elevation dependent change of climate extremes in XXI century model projections: A Mediterranear perspective		
12:00	Ricardo Trigo: The combined use of NDVI and SPEI to asses drought impacts on vegetation activity in the Mediterranean		
12:15	Yasemin Ezber: Role of the strength of the east Asian trough on the temperature variability over the Eastern Mediterranean		
12:30	Alexandre M. Ramos (Invited): The role of ARS in two contrasting Mediterranean climate regions: Iberian peninsula and Cape Town province in South Africa		
13:00	Lunch break		
15:00-16:30	Parallel sessions		
	Session 1 (Room 141, Level 2)	Session 3 (Main Hall, Level 2)	
15:00	Adi Etkin: Structure of the rainy season in Israel: existence of modes and a mid-winter minimum	Christian Merkenschlager: Regional assessments of heavy rainfall events in the Mediterranean area for the 21st century	
15.15	Vael Amitai: The effect of wind-stress over the Eastern	Laurent Li: Recent undates of LMDZ/NEMO-MED8 and	

its application in an ensemble of climate change simulations for the Mediterranean region

Mediterranean on deep-water formation in the Adriatic

Session 4 (Room 141 Level 2)

15:30	Jelka Krušić: Densifying the rainfall data for the landslide hazard assessment	Barış Onol: Evaluation of multi-model and multi-domain ensemble simulations based on CORDEX initiative over Turkey
15:45	Maria Carmen Llasat: Trend on convective precipitation and floods in the Spanish Mediterranean region	Mojca Dolinar: Assessment of climate variability and trends over Slovenia in the period 1961-2011
16:00	Dhib Saoussen (YS grant): Comparison of five satellite rainfall estimates algorithms with rain gauge data over northern Tunisia	Mirko Orlić: Multidecadal variability of the Mediterranean sea level
16:15	Evangelos Tyrlis: The key role of blocking in driving the cold spells over Southeastern Europe in winter 2016 - 2017	Emilia Sanchez-Gomez: Assessing the climate impacts of the Atlantic multidecadal variability on the Mediterranean basin

16:30-18:00 POSTER Session/Beer Mix

(Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 3)

- 1B- Marco Reale: Modeling approaches to Ionian upper layer dynamics
- 2B- Pedro M. Sousa: Changes in precipitation regimes since 850 A.D.: The role of the integrated water vapor transport and global warming
- 3B- Styliani Kyrikou: Vegetation history of lakes Ohrid and Prespa and reconstructed climate variability over the last 17000 years
- 4B- Elisavet Skampa: Coupling plankton-sediment trap-surface sediment and the fossil record for the detection of EMT-like events: A case study from the north Aegean sea (NE Mediterranean)
- 5B- Laurence Vidal: Historical and paleo-hydrological changes recorded from Moroccan middle Atlas lakes inferred from sedimentological and geochemical approaches
- 6B- Ascanio Luigi Scambiati: The relation between the global Hadley circulation and the climate in the Mediterranean region
- 7B- Cécile Caillaud: Simulation of past climate variability of high precipitation events in French Mediterranean using convection-permitting model at climate scale
- 8B- Jelena Luković: Spatial pattern of recent rainfall trends in Montenegro 1951-2010
- 9B- Mojca Dolinar: Projected changes of temperature and temperature related extremes for Slovenia over the 21st century
- 10B- Martin Dubrovsky: Simulation of present and future spatial compound events in Mediterranean "weather generator vs. Regional climate models"
- 11B- Matilde García-Valdecasas Ojeda: Assessing land-surface variables using the WRF-NOAH over the Iberian peninsula
- 12B- Mirjana Ruml: Temperature trend analysis during the growing season and dormancy in Serbia (1961-2010)
- 13B- Piero Lionello: Different impacts of global warming between north and south Mediterranean areas
- 14B- Renato Bertalanič: Projected changes of precipitation and extreme precipitation events for Slovenia over the 21st century
- 15B- Mehmet Barış Kelebek: Combined effects of temperature and precipitation extremes based on climate extremes index over Europe
- 16B- Melita Perčec Tadić: Improving spatio-temporal interpolation of daily precipitation using parallelized machine learning and precipitation derived from MSG
- 17B- Matilde García-Valdecasas Ojeda: Near and far future changes in extreme temperatures over the Iberian peninsula
- 18B- Panos Hadjinicolaou: Differential 20th and 21st century warming around the Mediterranean and the greater Middle East
- 19B- Renato Bertalanič: Project OPS21: the assessment of the average and extreme meteorological and hydrological conditions in Slovenia over the ^{21st} century
- 20B- Miri Kupermintz: Climatic factors controlling the growth of deciduous fruit trees in Israel and the assessment of potential changes in the future, using the COSMO models
- 21B- Angela Pomaro: Local measurements and model wave data: complementary elements for large-scale climate assessment
- 22B- Alexandros Papaioannou: A 300 years old high resolution palaeoenvironmental record from the Gulf of Elefsis, Attica, South Greece
- 23B- Milica Lukic: Variability of the UTCI index in Serbia
- 24B- M. Turco: Climate change impacts on summer fires in Mediterranean Europe

19:30-21:00 Official Dinner at Kalemegdanska Terasa Restaurant (plus Young Researcher Award)

(Location: Kalemegdan Park, Fortress at Mali Kalemegdan, 11000 Belgrade)



THURSDAY, 20 September 2018

(Location: Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, 11000 Belgrade, Level 2, Main Hall)

08:00

REGISTRATION

09:00-10:45 09:00	Session 5: Past, Present and Future change of Mediterranean-type climates (Location: Main Hall, Level 2) Giuseppe Zappa (Invited): The importance of remote drivers of atmospheric circulation for the Mediterranean hydro-climate response to climate change		
09:30	John Chiang (Invited): Subtropical jets and rainfall over Chile and western US in response to paleoclimate		
09:45	forcings Ivana Cvijanović: Can future sea ice cover changes affect precipitation over California?		
10:00-11:45	Session 6: Societal impacts of climate change in the Mediterranean region (Location: Main Hall, Level 2)		
10:00	Steven Van Passel (Invited): What if policy does not leverage climate change adaptive capacity? A cross-sectional analysis on European farmers		
10:30	Anil Markandya: Responding to climate variability and climate change: two case studies from the Mediterranean		
10:45	Coffee break (30')		
11:15	Claudia Wolff: Using a coastal urban change model to develop spatially explicit urbanization scenarios for the		
11:35	Mediterranean Christos Giannakopoulos: Evaluation of various bias correction methods for Mediterranean agro-climate projections: first results from the med-gold project		
11:45-13:00	Session 7: Climate Services in the Mediterranean regions (Location: Main Hall, Level 2)		
11:45	Anastasia Panenko: Climate services: what is the current state of art?		
12:00	Matteo Zampieri: Climate impacts on Mediterranean crops, adaptation measures and the med-gold project		
12:15	Uwe Ulbrich: Bringing INnovation to onGOing water management (BINGO)		
12:30	Carlo Buontempo (Invited): Recent development at the Copernicus climate change service		
13:00	Lunch break		
15:00-16:30	Parallel sessions		
	Session 4 (Room 141, Level 2)	Session 5 (Main Hall, Level 2)	
15:00	Ana Iglesias: Adapting agriculture to climate change: More realistic evaluations need to take account spatial differences in the people-climate interactions	Richard Seager: Climate variability and change in Mediterranean-type climates	
15:15	Mohamed Said: Spatial variations of sea level along the Egyptian Mediterranean coast	Jelena Luković: Seasonal shifts in the Mediterranean type climates	
15:30	Stella Dafka: Estimation of the mid and late century extreme summer winds over the Eastern Mediterranean from EURO-CORDEX models	Vicent Altava-Ortiz: Changes in recent synoptic meteorological patterns in a North-western Mediterranean in comparison with 1871-1980 climate variability	
15:45	Session 3 (Room 141, Level 2) Toni Barrera-Escoda: 1-km climate projections for Catalonia based on statistical downscaling from CMIP5 models	Session 7 (Main Hall, Level 2) Andrej Ceglar: PANNEX: The Pannonian Basin experiment	
16:00	Pedro M. Sousa: Increasing impacts of Euro-atlantic blockings and sub-tropical ridges in the Mediterranean area	Christos Giannakopoulos: Life ADAPT2CLIMA tool: a decision support tool for adaptation to climate change impacts on the Mediterranean islands agriculture	
16:15	Renato Bertalanič: Project OPS21: The assessment of the average and extreme meteorological and	Prodromos Zanis: An online web application tool for regional climate data extraction: DEAR-Climate	

hydrological conditions in Slovenia over the 21st

century

16:30-18:00 POSTER Session/Beer Mix

- 1C-Ana Russo: Droughts feedback on summer hot days and nights over the Mediterranean
- 2C-Elena Vyshkvarkova: Changes in extreme precipitation regime in the Black Sea region (The south of Russia)
- 3C-Danica Ćirić: The contribution of the Mediterranean Sea to extreme precipitation events over the Danube River basin
- 4C-Mohammed Said Karrouk: Climate change, "new meridian atmospheric circulation" and extreme precipitation causing floods in Western Mediterranean
- 5C-Saoussen Dhib: Rainfall estimation over Northern Tunisia by combining MSG cloud top temperature and TRMM-TMI rain rates
- 6C-Milica Stojanović: Variations in the moisture transport from the Mediterranean Sea during the meteorological drought episodes over Central Europe
- 7C-Nadia Politi: WRF forecasting capability of a tropical-like cyclone in the Ionian Sea
- 8C-Sanja Manojlović: Water and sediment discharge variability for the period 1961-2010 case study: Nišava river, Eastern Serbia
- 9C-Lena Reimann: UNESCO world heritage at risk from coastal flooding in the Northern Adriatic Sea "comparison of inundation modeling approaches"
- 10C-Anil Markandya: Vulnerability to climate variability and change: case studies from Tunisia and Croatia
- 11C-Anastasia Bleta: Biometeorological conditions related to respiratory admissions in Crete island, Greece
- 12C-Konstantina Pyrgaki: Assessing groundwater quality of CR(VI) impacted water bodies along climate gradient from Central-East Mediterranean to Oman
- 13C-Piero Lionello: Combining coastal morphology, exposure and hazard for discussing future risks posed by marine storminess along the Mediterranean coastline
- 14C-Andreia Ribeiro: Joint probability of droughts and wheat yield anomalies in Iberia
- 15C-Mari Carmen Álvarez-Castro: Dynamical proxies as a tool for Mediterranean seasonal forecast
- 16C-Jost von Hardenberg: Stochastic precipitation downscaling in complex orography for climate service applications
- 17C-Maria-Chara Karypidou: Building data value chains: from climate data production to impacts. The example of climate-sensitive vector-borne diseases
- 18C-Marijana Pantić: Participatory approach for innovation in spatial planning process in the context of climate change in Serbia
- 19C-Jovan Mihajlović: Tornadic waterspout event in Tivat (Montenegro), June 9, 2018-Case study
- 20C- Ljubica Duškov: Climate change vulnerability assessment for Natural Resources-Example of the Raška Administrative District
- 21C-J Gilabert: Vulnerability assessment in urban areas in front of climate change using Local Climate Zones
- 22C-Elena Tadić: Nature Based Solutions in the Mediterranean region- governance and social impacts
- 23C-David Barriopedro Cepero: The European Mega-heatwave of June 2017

FRIDAY, 21 September 2018

09:00-10:45 Panel discussion and key note talks (Location: Main Hall, Level 2)

Samuel Somot: Recent climate modelling efforts in the Mediterranean region Damià Gomis: Mediterranean marine climate change scenarios: impacts on the coastal areas

10:45 **Coffee break** (30')

11:15-12:30 Panel discussion and key note talks (Location: Main Hall, Level 2)

Ana Iglesias: Impacts of climate change on the Mediterranean agricultural sector Hadas Saaroni and Maria Carmen Llasat: Climate change, urban climate in Mediterranean cities and its environmental implications

12:30-13:00 Poster Awards, MedCLIVAR 2020, CONFERENCE CLOSURE