ADVANCING CLIMATE SCIENCE FOR A SUSTAINABLE FUTURE

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ONLINE POSTER SESSION SCHEDULE

WCRP OSC 2023

WORLD CLIMATE RESEARCH PROGRAMME

OPEN SCIENCE CONFERENCE

23 - 27 OCT. 2023 | RWANDA

WCRP World Climate Research Programme

WORLD METEOROLOGICAL ORGANIZATION

unesco Intergovernmental Hydrological Programme

International Science Council The global voice for science

POSTER SESSIONS

Online Poster Sessions
9 to 12 October 2023

The Conference format places high importance on poster presentations. The program includes

- Online poster sessions from 9 to 12 October
- On-site poster sessions at the Kigali Convention Centre from 23 to 26 October in the afternoons

All registered OSC participants (onsite and virtual) can upload their accepted posters to the hybrid platform on the poster gallery.

Virtual poster gallery

We recommend that poster presenters upload their poster in the poster gallery by **5th October** to allow other participants to be able to see their posters before the online sessions. Only PDF files are accepted for the poster upload. The maximum file size is 10MB. Format can be portrait or landscape. Detailed instructions will be circulated soon.

NOTE: Poster Cluster PC06 is scheduled on Monday 16 October - 08:00 UTC

Theme 1: Advances in Climate Research

S01	Climate variability on timescales from weeks to centuries and millennia	**Monday 9 Oct.**	**MonAM_A**
S02	Climate predictability and prediction	**Monday 9 Oct.**	**MonPM_A**
S03	Global and regional monsoons	**Wednesday 11 Oct.**	**WedAM_A**
S04	Storms, eddies and jets in the atmosphere and ocean	**Tuesday 10 Oct.**	**TuePM_A**
S05	Polar processes and change	**Thursday 12 Oct.**	**ThuAM_A**
S06	Rapid and/or irreversible changes in the climate system	**Tuesday 10 Oct.**	**TueAM_A**
S07	Atmosphere-land interactions: energy, water & carbon	**Thursday 12 Oct.**	**ThuPM_A**
S08	Ocean-atmosphere interactions: energy, water & carbon	**Wednesday 11 Oct.**	**WedPM_A**
S09	Interactions between atmospheric composition and climate, including aerosol processes	**Thursday 12 Oct.**	**ThuAM_B**
S10	Lessons from paleoclimate for recent and future climate change	**Thursday 12 Oct.**	**ThuPM_B**
S11	Advances in global and regional climate modelling	**Tuesday 10 Oct.**	**TueAM_B**
S12	Advances in climate observations and model-data fusion	**Tuesday 10 Oct.**	**TuePM_B**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Theme 2: Human Interactions with Climate

S13	Carbon cycle	**Tuesday 10 Oct.**	**TueAM_C**
S14	Global energy budget	**Tuesday 10 Oct.**	**TuePM_C**
S15	Water cycle	**Monday 9 Oct.**	**MonAM_B**
S16	Ice sheets and sea level change	**Thursday 12 Oct.**	**ThuAM_A**
S17	Climate feedbacks and climate sensitivity	**Tuesday 10 Oct.**	**TuePM_C**
S18	Current and future forcing, including aerosols and scenarios	**Wednesday 11 Oct.**	**WedAM_C**
S19	Land use and land cover change	**Tuesday 10 Oct.**	**TuePM_D**
S20	Impacts on land and marine ecosystems	**Wednesday 11 Oct.**	**WedPM_B**
S21	Impacts on food security and water availability		
	21-A	**Tuesday 10 Oct.**	**TueAM_D**
	21-B	**Wednesday 11 Oct.**	**WedPM_C**
S22	Impacts on human health and urban systems	**Monday 9 Oct.**	**MonPM_C**
S23	Circulation change in the climate system (atmosphere and ocean)	**Thursday 12 Oct.**	**ThuAM_C**
S24	Attribution of changes	**Monday 9 Oct.**	**MonAM_C**
S25	Regional climate change	**Thursday 12 Oct.**	**ThuPM_C**
S26	Mitigation scenarios including overshoot and climate intervention	**Wednesday 11 Oct.**	**WedAM_D**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Theme 3: Co-produced Climate Services and Solutions

S27	Hazards and extreme events		
	S27-A	**Monday 9 Oct.**	**MonPM_B**
	S27-B	**Wednesday 11 Oct.**	**WedAM_B**
S28	Regional information – Data and methods	**Wednesday 11 Oct.**	**WedPM_D**
S29	Regional information – Constructed for climate services	**Monday 9 Oct.**	**MonAM_D**
S30	Plausibility, probability, likelihood, and uncertainty	**Thursday 12 Oct.**	**ThuPM_D**
S31	Climate knowledge co-production in a decision and policy context	**Thursday 12 Oct.**	**ThuPM_E**
S32	Capacity development for climate services	**Thursday 12 Oct.**	**ThuAM_D**
S33	Linking policy and climate information	**Thursday 12 Oct.**	**ThuPM_E**
S34	Climate services: effectiveness and evaluation	**Monday 9 Oct.**	**MonPM_D**
S35	Regional information and scales in time and space	**Wednesday 11 Oct.**	**WedAM_E**
S36	Observations for decisions	**Wednesday 11 Oct.**	**WedPM_E**
S37	Regional attribution	**Monday 9 Oct.**	**MonAM_C**
S38	Connecting regional impacts and climate information	**Monday 9 Oct.**	**MonAM_D**
S39	Institutions and frameworks	**Monday 9 Oct.**	**MonAM_E**
S40	Lessons from failures	**Monday 9 Oct.**	**MonAM_E**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Poster Clusters

Climate processes

PC01:	Atmospheric Rivers: The nexus between weather, water, and climate extremes	**Tuesday 10 Oct.**	**TueAM_E**
PC02	Advances in understanding, observing, and modeling land-atmosphere interactions, from bedrock to boundary layer	**Thursday 12 Oc**	**ThuPM_A**
PC03	Constraining TCRE for carbon budgets	**Tuesday 10 Oct.**	**TueAM_C**
PC05	Attribution and prediction of annual to decadal changes in climate	**Monday 9 Oct.**	**MonAM_C**
PC06	The role of stratosphere-troposphere coupling on surface weather and climate	**Monday 16 Oct.**	
PC07	Advances in monsoon science & prediction: Theory, observations, modelling & climate services	**Wednesday 11 Oct**	**WedAM_A**
PC08	Extreme rainfall and temperatures events: Forecasting challenge and role of ensemble prediction system	**Monday 9 Oct.**	**MonAM_C**
PC09	Safe Landing Climates for drinkable water availability in a warmer world: From raindrop to AMOC and beyond	**Monday 9 Oct.**	**MonAM_B**
PC10	Current and near-term variability and trends in the Antarctic climate system	**Thursday 12 Oc**	**ThuAM_A**
PC11	The role of North Atlantic Oceanic processes on regional climate variations and change	**Tuesday 10 Oct.**	**TuePM_E**
PC12	Changes in sea surface temperature patterns in the Tropics	**Tuesday 10 Oct.**	**TuePM_E**
PC13	Effects of mesoscale to small-scale oceanic processes on climate changes	**Tuesday 10 Oct.**	**TuePM_E**
PC14	Ocean mixing and climate	**Tuesday 10 Oct.**	**TuePM_E**
PC15	Ocean predictability and prediction on subseasonal to decadal time scales	**Tuesday 10 Oct.**	**TuePM_E**
PC16	Marine heatwaves in the world oceans	**Tuesday 10 Oct.**	**TuePM_E**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Observations and modelling

PC17 How can the EO community support adaptation and mitigation for the UNFCCC Paris Agreement ..... **Wednesday 11 Oct.** **WedPM_E**

PC18 Global climate observations for adaptation to climate extremes ..... **Wednesday 11 Oct.** **WedPM_E**

PC20 Identifying and closing mountain climate observation gaps ..... **Wednesday 11 Oct.** **WedPM_E**

PC21 Smart sensors for agri-food and environmental monitoring systems ..... **Tuesday 10 Oct.** **TueAM_D**

PC22 Monitoring and modeling Earth System change: Integrating models and observations ..... **Tuesday 10 Oct.** **TuePM_B**

PC23 Earth System models for the future ..... **Thursday 12 Oct** **ThuAM_E**

PC24 MEXT program for the advanced studies of climate change projection (SENTAN) ..... **Thursday 12 Oct** **ThuAM_E**

PC25 Towards more inclusive future climate scenarios ..... **Wednesday 11 Oct.** **WedAM_C**

PC26 Open innovation for Earth science research ..... **Monday 9 Oct.** **MonAM_E**

Risks & extremes

PC27 High risk events in the future Earth system ..... **Tuesday 10 Oct.** **TueAM_A**

PC28 AI for weather and climate extremes: detection, attribution, prediction ..... **Monday 9 Oct.** **MonAM_C**

PC29 Good practices for making regional projections of weather and climate extremes ..... **Wednesday 11 Oct.** **WedPM_D**

PC30 Assessing and attributing current and future hazard risks ..... **Monday 9 Oct.** **MonAM_C**

PC31 Climate extremes & risk: Impacts, cascades, feedbacks with biosphere and society ..... **Tuesday 10 Oct.** **TueAM_A**

PC32 Understanding and modeling of weather and climate extremes and related complex risks ..... **Tuesday 10 Oct.** **TueAM_A**

PC33 Climate extreme changes and associated impacts ..... **Monday 9 Oct.** **MonPM_E**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Impacts, adaptation, mitigation, services, policy, etc.

PC34	The nexus of climate change, ecosystem & human health: Cascading socio-ecological impacts for Africa	**Monday 9 Oct.**	**MonPM_C**
PC35	The role of digital technology in addressing water and food security	**Wednesday 11 Oct.**	**WedPM_C**
PC36	Developments in evidence based tools and metrics for adaptation planning and monitoring	**Thursday 12 Oct**	**ThuPM_E**
PC37	Impacts of climate change on food security	**Wednesday 11 Oct.**	**WedPM_C**
PC38	The importance of women in climate change resilience	**Monday 9 Oct.**	**MonAM_E**
PC39	Young students empowerment regarding climate change issues	**Monday 9 Oct.**	**MonAM_E**
PC40	Climate services in the Global South	**Thursday 12 Oct**	**ThuAM_D**
PC41	Good practices in climate services - insights of the past, present, and future	**Monday 9 Oct.**	**MonAM_E**
PC42	Climate Resilient Land Use Policies and Practices (LUPP) in Afro-Asian countries	**Monday 9 Oct.**	**MonAM_E**
PC43	Evaluation of the Intersection of laws, public administration, and non-governmental initiatives in climate change mitigation	**Monday 9 Oct.**	**MonAM_E**

AM: 06:00 - 08:00 UTC

PM: 15:00 - 17:00 UTC

Online Poster Sessions

Monday 9 October

Morning (UTC)

Time	MonAM_A	MonAM_B	MonAM_C	MonAM_D	MonAM_E
06:00 – 08:00 UTC	S01	S15 PC09	S24 S37 PC05 PC08 PC28 PC30	S29 S38	S39 S40 PC26 PC38 PC39 PC41 PC42 PC43

Afternoon (UTC)

Time	MonPM_A	MonPM_B	MonPM_C	MonPM_D	MonPM_E
15:00 – 17:00 UTC	S02	S27-A	S22 PC34	S34	PC33

Tuesday 10 October

Morning (UTC)

Time	TueAM_A	TueAM_B	TueAM_C	TueAM_D	TueAM_E
06:00 – 08:00 UTC	S06 PC27 PC31 PC32	S11	S13 PC03	S21-A PC21	PC01

Afternoon (UTC)

Time	TuePM_A	TuePM_B	TuePM_C	TuePM_D	TuePM_E
15:00 – 17:00 UTC	S04	S12 PC22	S14 S17	S19	PC11 PC12 PC13 PC14 PC15 PC16

Wednesday 11 October

Morning (UTC)

Time	WedAM_A	WedAM_B	WedAM_C	WedAM_D	WedAM_E
06:00 – 08:00 UTC	S03 PC07	S27-B	S18 PC25	S26	S35

Afternoon (UTC)

TIme	WedPM_A	WedPM_B	WedPM_C	WedPM_D	WedPM_E
15:00 – 17:00 UTC	S08	S20	S21-B PC35 PC37	S28 PC29	S36 PC17 PC18 PC20

Thursday 12 October

Morning (UTC)

Time	ThuAM_A	ThuAM_B	ThuAM_C	ThuAM_D	ThuAM_E
06:00 – 08:00 UTC	S05 S16 PC10	S09	S23	S32 PC40	PC23 PC24

Afternoon (UTC)

Time	ThuPM_A	ThuPM_B	ThuPM_C	ThuPM_D	ThuPM_E
15:00 – 17:00 UTC	S07 PC02	S10	S25	S30	S31 S33 PC36

Monday 9 October

Morning (UTC)

Time	MonAM_A	MonAM_B	MonAM_C	MonAM_D	MonAM_E
06:00 – 08:00 UTC	S01	S15 PC09	S24 S37 PC05 PC08 PC28 PC30	S29 S38	S39 S40 PC26 PC38 PC39 PC41 PC42 PC43

Afternoon (UTC)

Time	MonPM_A	MonPM_B	MonPM_C	MonPM_D	MonPM_E
15:00 – 17:00 UTC	S02	S27-A	S22 PC34	S34	PC33

S01 - Climate variability on timescales from weeks to centuries and millennia

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
838	Parya	Adibi	ECR	Institute of Geophysics, University of Tehran	IRAN	Impact of the El Niño–Southern Oscillation on the climate of Iran
1329	Yao Ble	Anouma Fhorest	ECR	NANGUI ABROGOUA University	CÔTE D'IVOIRE	Recent rainfall trend and variability in transboundary Cavally basin (West Africa)
1408	Omar	Assowe	MCR	Centre d'Etude et de Recherche de Djibouti, Observatoire Regional de Recherche sur l'Environnement et le Climat	DJIBOUTI	Spatio-temporal variability and trends of rainfall over the Republic of Djibouti
493	Charles	Chisanga	MCR	Copperbelt University	ZAMBIA	Analysis of monthly and decadal rainfall trends over Zambia from 1981-2022
1271	Susanna	Corti	MCR	CNR-ISAC	ITALY	Heat extremes in scenario projections: the role of variability. Not presented during the online session
1411	Andrea	Dittus	ECR	University of Reading	UK	Extending the historical record back to the 1750s: implications for climate and climate variability
952	Luca	Famooss	ECR	Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)	ITALY	Non-stationary NAO-Gulf Stream SST front interaction
550	Narayan	Gaire	ECR	Department of Environmental Science, Patan Multiple Campus, Tribhuvan University	NEPAL	Tree-ring based multi-centennial climate reconstructions from Central Himalaya
780	Sergey	Gulev	Senior	IORAS	RUSSIAN FEDERATION	Revealing long-term estimates of the North Atlantic Ocean heat budget anomalies from VOS observations: relative role of the turbulent and radiative fluxes
1435	Chao	He	MCR	Jinan University	CHINA	Common cause for the extremely hot East Asia and flooding western South Asia in the summer of 2022: Reversed flow over Tibetan Plateau
986	Leah	Holzer	ECR	University of Graz, Wegener Center for Climate and Global Change	AUSTRIA	STREAM: Storylines of Danube streamflow -Assessing future streamflow for different atmospheric circulations responses to greenhouse gas forcing

492	Aixue	Hu	Senior	National Center for Atmospheric Research	USA	Dependence of the AMOC hysteresis on the freshwater and greenhouse gases and background climate
439	PATRICIA	IHEME	ECR	NIGERIAN METEOROLOGICAL AGENCY	NIGERIA	THERMODYNAMIC FACTORS RESPONSIBLE FOR PRE-MONSOON THUNDERSTORMS OVER KANO, NIGERIA
1135	Michael	Lai	ECR	Met Office	UK	Impact of model resolution on internal and externally forced North Atlantic variability at multidecadal timescales
1561	Peter	Lesiba	ECR	Agricultural reseach council	SOUTH AFRICA	Assessing spatial and temporal variations of rainfall characteristics during the summer rainy season in the Limpopo Province of South Africa from 1990 to 2021
561	Xu	Liu	Senior	NASA Langley Research Center	USA	Two Decades of Atmospheric and Surface Temperature, Water Vapor, and Cloud Climate Record Derived from Satellite Remote Sensors
519	Idene-Flore	MANTHO TIDJIO	ECR	University of Yaounde 1	CAMEROON	Impact of tropical waves on rainfall modulation in Western Equatorial Africa
1334	Ben	Maybee	ECR	School of Earth and Environment, University of Leeds	UK	Predictability of the East Africa long rains: importance of the Madden-Julian Oscillation and Congo zonal winds
342	Dickson	Mbigi	ECR	University of Dar es Salaam	UNITED REPUBLIC OF TANZANIA	The Southern Annular Mode: its influence on interannual variability of rainfall in North Australia
1062	Rym	Msadek	MCR	CNRS/CERFACS	FRANCE	Imprint of intrinsic ocean variability on Arctic sea ice and ocean dynamics on subseasonal to annual time scales Poster not presented during the online session
856	Hyacinth	Nnamchi	MCR	GEOMAR Helmholtz Centre for Ocean Research Kiel, Düsternbrooker Weg 20, 24105 Kiel, Germany	GERMANY	The pan-Atlantic decadal climate oscillation: dynamics and impacts
1133	Abdalla	Osman Adam Abdalla	ECR	University of Bahri	SUDAN (THE)	Inter-annual to Inter-decade Rainfall Variability Over Sudan
70	Vincent	Otieno	MCR	Technical University of Kenya	KENYA	Could Regional Downscaled Models (RCM – CORDEX) output have informed Mitigation of 2020-2022 Greater Horn of Africa (GHA) drought Impact?
110	Vincent	Otieno	MCR	Technical University of Kenya	KENYA	Characterization of Intra-Seasonal Variability during Extreme Dry Seasons over the Greater Horn of Africa (GHA): Implications for Climate Adaptation and Mitigation
1489	Jayapriya	Ravichandran	ECR	Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu	INDIA	Impact of energy consumption on Climate change in India- an ARDL approach

148	Lekshmi	M. S.	ECR	India Meteorological Department	INDIA	A modal analysis of summer surface temperature intraseasonal variability and heatwaves over the Indian region
332	Tanu	Sharma	ECR	India Meteorological Department	INDIA	Modulation of teleconnection between tropical Pacific SST and Indian Summer Monsoon Rainfall: Interannual and Intra-seasonal variability
522	Elizabeth	Sunguti	ECR	SEI Africa	KENYA	Analysis of Climate Variability and its implication on Rain-fed maize production in Narok County, Kenya.
1508	Dani	Topal	ECR	Universitè catolique de Louvain	BELGIUM	Atmospheric-circulation constrained model sensitivity recalibrates Arctic climate projections
181	Ibrahima	Touré	ECR	Université Cheikh Anta Diop of Dakar	SENEGAL	Climate variability and its impact on surface water resources in the KAOLACK station in SENEGAL
985	Caroline	Wainwright	ECR	Cardiff University	UK	Investigating the Drivers of Dry Season Rainfall over Eastern Africa
505	Tao	Wang	MCR	Collaborative Innovation Center on Forecast and Evaluation of Meteorological Disasters (CIC-FEMD), Nanjing University of Information Science and Technology	CHINA	External Forcings Caused the Tripole Trend of Asian Precipitation during the Holocene
750	Elisa	Ziegler	ECR	University of Tübingen	GERMANY	Variability of surface temperature and precipitation during past and future warming episodes

06:00 - 08:00 UTC | Monday, 09 October 2023 | Poster session ID: MonAM_B

S15 - Water cycle

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
536	Albert Elikplim	Agbenorhevi	ECR	West African Science Service Centre for Climate Change and Adapted Land-Use	GHANA	Preparing for the hydroclimatic impact on water resources of Pra basin: State-of-art review
1091	Yao-Ble	Anouma Fhorest	ECR	NANGUI ABROGOUA University	CÖTE D'IVOIRE	Combined and separate impacts of climate variability and land use change on water resources in the transboundary catchment of the Cavally River at Toulepleu
733	Mesfin Reta	Aredo	ECR	Faculty of Hydraulic and Water Resources Engineering, Arba Minch Water Technology Institute	ETHIOPIA	Assessment of river response to water abstractions in the Weyib Watershed, Ethiopia
1248	Margot	Bador	MCR	CECI CNRS-Cerfacs	FRANCE	Future seasonal changes in extreme precipitation scale with changes in the mean
1076	Suresh	Baral	ECR	School of Engineering, Pokhara University, Kaski	NEPAL	Assessing the Impact of Climate Change on Flood Events Using HEC-HMS for Seti River Basin, Nepal
1555	Maxime	Colin	ECR	Leibniz Centre for Tropical Marine Research	GERMANY	Impact of cold pools on the intermittence of precipitation in a General Circulation Model
781	Jean-Francois	Cretaux	Senior	ICUBE SERTIT:, Université de Strasbourg	FRANCE	Long and short term of Lake Fitri (Chad) monitoring based on HR satellite imagery: a unique source of information for the lake study and management.
475	Juliette	Deman	ECR	CECI, Université de Toulouse, CERFACS/CNRS, Toulouse	FRANCE	Changes of the hydrological cycle over Europe at the end of the 21st century projected by CMIP6models and associated uncertainties
599	Moussa	Diakhate	MCR	African Centre of Excellence on Climate Change, Biodiversity and Sustainable Development / University Felix Houphouet-Boigny (UFHB)	CÖTE D'IVOIRE	Changes in the West Africa monsoon precipitation extremes during ENSO developing phases

97	Mohamed	Fofana	ECR	WASCAL	MALI	Assessment of water balance and peak flow through the implementation of hec-hms and hbv hydrological models in upper niger river basin in mali (koulikoro watershed).
912	Kamarou	Kondo	ECR	Univerity of Abomey-Calavi	BENIN	Characterization of the heads of watersheds of the rivers Ouémé and Pendjari in Copargo for the integrated and sustainable management of water resources and soil.
607	Morgane	Lalonde	ECR	Sorbonne Université, CNRS, EPHE, UMR METIS, Paris, France	FRANCE	Urban water cycle: adding an urban representation in the RegIPSL model
1117	Chao	Liu	ECR	University of Delaware	USA	The Water Cycle in the Mediterranean Sea Perceived from Evaporation-minus-Precipitation Flux, Salinity, and Water Mass
322	Benett Siyabonga	Madonsela	ECR	Cape Peninsula University of Technology	South Africa	The effect of rainfall on Chemical Oxygen Demand and Escherichia coli wastewater effluents discharged in Mpumalanga province, South Africa
621	Jiafu	Mao	Senior	Environmental Sciences Division and Climate Change Science Institute, Oak Ridge National Laboratory	USA	Quantification of human contribution to soil moisture-based terrestrial aridity
313	Innocent	Mkhwanazi	ECR	Durban University of Technology	SOUTH AFRICA	Treatment of anaerobic sludge digester effluent using partial nitritation-ANAMMOX process
1775	Budz	Tejada	ECR	Interdicplinary Studies Center for Water, School of Environmental Science and Management, University of the Philippines Los Baños	PHILIPPINES	Ability of the Gridded Reanalysis Products to Detect Long-Term Rainfall Trends in Angat Watershed, Philippines
377	Anna	Ukkola	ECR	UNSW Sydney	AUSTRALIA	Assessing uncertainty in future drought using a hierarchy of projections for Australia
784	Tatiana	Yameogo	ECR	IRSAT	BURKINA FASO	Comparative study of arsenic removal capacities in borehole water by macrophyte plant filters
77	Miao	Zhang	ECR	Nanjing University of Information Science and Technology	CHINA	The resilience of global ecosystem productivity to flash droughts

PC09 - Safe Landing Climates for drinkable water availability in a warmer world: From raindrop to AMOC and beyond

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1152	Cristiano	Chiessi	Senior	University of São Paulo	BRAZIL	Precipitation over northeastern South America under different modes of operation of the Atlantic meridional overturning circulation
1015	Mirian chigaemezu	Korie	ECR	Global Environmental study Sophia University	JAPAN	WATER QUALITY ASSESSMENT OVER RIVER BENUE USING LANDSAT-8 AND SENTINEL 2 SATELLITE IMAGES
1165	Suyeon	Moon	ECR	Korea Advanced Institute of Science & Technology (KAIST)	REPUBLIC OF KOREA	Anthropogenic intensification of East Asia summer monsoon frontal precipitation system
1072	Paulo	Nobre	Senior	National Institute for Space Research - INPE	BRAZIL	AMOC decline and recovery in a warmer climate
1073	Paulo	Nobre	Senior	National Institute for Space Research - INPE	BRAZIL	Sea surface height trends in the southern hemisphere oceans simulated by the Brazilian Earth System Model under RCP4.5 and RCP8.5 scenarios
1107	Paulo	Nobre	MCR	National Institute for Space Research	BRAZIL	Amazon Deforestation and Climate Change: Extreme Events of droughts and air temperature
1260	Abubaker	Omer	ECR	Korea Advanced Institute of Science & Technology	REPUBLIC OF KOREA	Exploring the Complexities of Dams' Impact on Transboundary Flow: A Meta-Analysis of Climate and Basin Factors
974	Yusuke	Satoh	MCR	Korea Advanced Institute of Science and Technology (KAIST)	REPUBLIC OF KOREA	The timing of unprecedented hydrological drought under climate change
928	Kazuyoshi	Suzuki	Senior	JAMSTEC	JAPAN	Coupled land-atmosphere data assimilation for the extreme winter precipitation in the interior Alaska

S24 - Attribution of changes

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
153	Paul	Adigun	ECR	University Of Tsukuba	JAPAN	Dynamic and Thermodynamic components controlling Anthropogenic signal attributed to Extreme precipitation over east Asia in CMIP6 model simulation
886	Manuel Tobias	Blau	ECR	Center for Climate Physics, Institute for Basic Science	REPUBLIC OF KOREA	The declining trend in mountain snow cover
1286	Mastawesha	Engdaw	ECR	Wegener Center for Climate and Global Change, University of Graz	AUSTRIA	Detection and attribution of compound climate extremes in Africa
569	Davide	Faranda	MCR	LSCE-IPSL-CNRS	FRANCE	Towards a framework for attributing tropical and Mediterranean cyclones to climate change
158	Vedaste	Iyakaremye	ECR	Rwanda Meteorology Agency	RWANDA	Contribution of external forcings to the observed trend in surface temperature over Africa during 1901–2014 and its future projection from CMIP6 simulations
1790	Jonas	Jaegermeyr	MCR	Columbia University	COLOMBIA	The fingerprint of climate change in crop losses during recent heatwaves and droughts
546	Jie	Jiang	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Agricultural drought over water-scarce Central Asia aggravated by internal climate variability
656	Joyce	Kimutai	ECR	Kenya Meteorological Department/ Grantham Institute, Imperial College London	KENYA	Attribution of the human influence on heavy rainfall associated with flooding events during the 2012, 2016, and 2018 March-April-May seasons in Kenya
806	Chen	Lu	ECR	The Abdus Salam International Centre for Theoretical Physics	ITALY	A framework for the super attribution of multiple extreme events
1098	Elizaveta	Malinina	ECR	Environment and Climate Change Canada	CANADA	Towards a Canadian extreme event rapid attribution system
972	Shingirai	Nangombe	ECR	Council for Scientific and Industrial Research	SOUTH AFRICA	Attribution of climate change and recent hydro-climatic extremes in South African areas and climatic zones

1164	Sarah	Perkins-Kirkpatrick	MCR	UNSW	AUSTRALIA	Attributing the health impacts of the 2009 Victorian heatwave to climate change
1289	Dáithí	Stone	Senior	NIWA	NEW ZEALAND	Detection and attribution of regional climate change across Aotearoa New Zealand
1718	Sabine	Undorf	ECR	Potsdam Institute for Climate Impact Research	GERMANY	Attribution of anthropogenic climate change impacts on crop yields around the world using observationally-derived and large-ensemble climate data with statistical crop modelling approaches
1801	Piotr	Wolski	Senior	University of Cape Town	SOUTH AFRICA	Addressing apparent contradictions in event attribution

S37 - Regional attribution

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
144	Diego	Caicedo Rosero	ECR	Universidad Politécnica Estatal del Carchi	ECUADOR	Implementación de un jardín botánico para la preservación de especies alimenticias y silvestres como medida de adaptación al cambio climático
520	Cheikh Modou	Noreyni	ECR	Laboratoire de Physique de l'Atmosphère et de l'Océan Siméon Fongang (LPAOSF), Univ. Cheikh Anta Diop	SENEGAL	Evolution of agroclimatic indicators in senegal using CMIP6 simulations

PC05 - Regional attribution

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1044	Leandro	Diaz	ECR	Centro de Investigaciones del Mar y la Atmósfera (CIMA), CONICET—Universidad de Buenos Aires (UBA)	ARGENTINA	Assessment of anthropogenic and natural influences on the observed precipitation trends in Southern South America
1069	Rym	Msadek	MCR	CERFACS	FRANCE	Assessing the role of internal variability on projections of Northern Europe winter temperature at near-term (2020-2040) using a storyline approach. Poster not presented during the online session
1116	Isla	Simpson	MCR	National Center for Atmospheric Research	USA	The CESM2 single forcing large ensemble and lessons learned on the impact of experimental design.
1400	Doug	Smith	Senior	Met Office	UK	Naturally forced multidecadal changes in the NAO

1191	Reinel	Sospedra-Alfonso	MCR	Environment and Climate Change Canada	CANADA	Preparing operational decadal prediction centres to respond to a major volcanic eruption
1002	Yao	Tang	ECR	State Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG), Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Decadal prediction skill of FGOALS-f2 seamless forecasting model

PC08 - Extreme rainfall and temperatures events: Forecasting challenge and role of ensemble prediction system

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
61	Sourabh	Bal	MCR	Swami Vivekananda Institute of Science & Technology	INDIA	Assessment of COSMO-CLM model parameter sensitivity for extreme events over the eastern states of India
116	Azhar	Ehsan	ECR	Columbia Climate School, IRI Columbia University	USA	ENSO fingerprint on the Bangladesh Summer Monsoon Rainfall
430	Jiehua	Ma	MCR	Shaoxing Meteorological Office	CHINA	The impact of three Oceans on the cold, rainy and snowy February over southern China in 2022
225	Raju	Mandal	MCR	Indian Institute of Tropical Meteorology	INDIA	Diagnostics and real-time extended range prediction of cold waves over India
828	Dhanya	Praveen	MCR	Tamil Nadu Agriculture University	INDIA	Implication and efficiency of weather forecasts and agromet advisory services among the peanut farmers in West Tamil Nadu, India.
1544	Harvir	Singh	ECR	National Centre for Medium Range Weather Forecasting	INDIA	Evaluation of Feature-Based Verification Techniques for Monsoon Rainfall Extreme Events in India
992	Ying	Zhang	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Predictions of record-breaking hot August in 2022 by C3S seasonal forecast systems

PC28 - AI for weather and climate extremes: detection, attribution, prediction

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1546	Nishadh	Kalladath	ECR	IGAD Climate Prediction and Applications Centre- ICPAC	KENYA	How do Bayesian Networks support impact-based forecasting for informed decision?

1655	Ilenia	Manco	ECR	Alma Mater Studiorum - University of Bologna	ITALY	AI-assisted climate downscaling for rapid assessments Not presented during the online poster session
1714	Jakob	Wessel	ECR	University of Exeter	UK	Pattern-based multivariate statistical post-processing of temperature ensemble predictions . Not presented during the online poster session

PC30 - Assessing and attributing current and future hazard risks

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1193	Yukiko	Imada	MCR	Meteorological Research Institute, Japan Meteorological Agency	JAPAN	Toward operational event attribution
1632	Danielle	Touma	ECR	National Center for Atmospheric Research	USA	Extreme fire weather events under climate variability and change in the western United States

S29 - Regional information – Constructed for climate services

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1515	Ansoumana	Bodian	Senior	Université Gaston Berger	SENEGAL	A web portal dedicated to climate change impact studies in the Global South
1507	Dragana	Bojovic	MCR	Barcelona Supercomputing Center	SPAIN	Reimaging the scale: climate service for urban climate resilience
1535	Dragana	Bojovic	MCR	Barcelona Supercomputing Center	SPAIN	From local knowledge to climate science: co-creating climate information across time and spatial scales for food security in Malawi
1706	Samantha	Burgess	Senior	ECMWF	UK	Climate monitoring for informing society - **Poster not presented during the online session**
1005	Ailish	Craig	ECR	University of Bristol	UK	Future climate information, adaptation policies and the need for climate services in Southern Africa
303	Tufa	Dinku	Senior	Columbia University	USA	Enhancing Climate Services in Africa Through Enhanced Access to Climate Information Products
732	Hussen Seid	Endris	MCR	IGAD Climate Prediction and Applications Center (ICPAC)	KENYA	Showcasing Improved Climate Products and Services for Eastern Africa
1530	Masilin	Gudoshava	ECR	IGAD Climate Prediction and Applications Centre	KENYA	How Accurate are current Climate Models to forecast East Africa Drought?
979	Linda	Hirons	MCR	National Centre for Atmospheric Science (NCAS)	UK	Using a co-production approach to support effective application of S2S forecasts across Africa
1205	Rachael	Isphording	ECR	Climate Change Research Centre, University of New South Wales	AUSTRALIA	A standardized benchmarking framework to assess downscaled rainfall simulations
961	Shipra	Jain	ECR	Centre for Climate Research, Meteorological Service Singapore	SINGAPORE	Indian Ocean Dipole and its impact on Southeast Asia: a climate service perspective
1531	Martin	Jury	ECR	Wegener Center for Climate and Global Change, University of Graz	AUSTRIA	Klimaszenarien.AT – The new Austrian climate scenarios 2026
1413	Mary	Kilavi	Senior	Kenya Meteorological Department	KENYA	Reflections on the development and use of S2S products in Kenya

1558	Lucas	O'Reilly	ECR	Northeastern	USA	THE USE OF NETWORK SCIENCE IN THE ENGINEERING OF ACTIONABLE ADAPTATION TO WEATHER AND CLIMATE CHANGE STRESSES
438	Peter	Pfleiderer	ECR	Hamburg university	GERMANY	A new perspective on uncertainties: The reversed impact chain
997	Seree	Supratid	Senior	MQDC	THAILAND	Development of future regional compound flood impact interactively through web application
167	Divya.E	Surendran	ECR	India Meteorological Department	INDIA	An overview of the climate indices related to health sector over Kerala State, India
1584	Semeena	Valiyaveetil	Senior	UK Centre for Ecology and Hydrology	UK	Development of fine resolution UK Climate Projection (UKCP18) data of meteorological and hydrological variables for impact modelling for the period 1980-2080
590	Torsten	Weber	MCR	Climate Service Center Germany (GERICS) / Helmholtz-Zentrum Hereon	GERMANY	Involving end-users in the development process of a Decision Support System (DSS) for the agricultural sector in West Africa
1155	Xuebin	Zhang	Senior	Environment and Climate Change Canada	CANADA	Introduction to the Global Extremes Platform

S38 - Connecting regional impacts and climate information

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1528	Mahesh	Jampani	ECR	International Water Management Institute (IWMI-CGIAR), IWMI Headquarters, Colombo	SRI LANKA	Estimating the flood induced displacement based on historical records for early warning and early action
642	Thabang	Maphanga	ECR	Cape Peninsula university of Technology	SOUTH AFRICA	Determining the solubility of metals and accumulation in De Kaap River from 2016 t0 2022.
776	Herbert	Misiani	ECR	IGAD Climate Prediction and Applications Centre	KENYA	Scaling up Anticipatory Action in Eastern Africa: Experiences and Lessons from Kenya.

S39 - Institutions and frameworks

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
254	Ajibola	Akanji	ECR	Lead City University, Ibadan, Nigeria	NIGERIA	Nigerian Climate Change Act 2021: Critique from a Cooperativist Perspective
1766	Amol	Bhalerao	ECR	Indian Council of Agricultural Research	INDIA	Strengths, Weaknesses, Opportunities and Threats analysis to transform Krishi Vigyan Kendras into Climate Service Centers for Promoting Sustainable Agricultural Development
685	Mary-Jane	Bopape	MCR	National Research Foundation	SOUTH AFRICA	The South African Environmental Observation Network (SAEON) environmental research platforms for a sustainable society
1721	Pablo	Borges de Amorim	MCR	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	BRAZIL	Supporting the implementation of the Brazilian National Framework of Climate Services through the development of a web-based catalog. Not presented during the online session
1230	Jingmian	DENG	MCR	China Meteorological Administration Training Centre	CHINA	Collaborative Governance of Air Pollution Reduction and Addressing Climate Change
1672	Rebecca	Garland	ECR	The University of Pretoria	SOUTH AFRICA	Diversifying climate service co-production processes in Africa with knowledge and data driven research infrastructures
1433	Sophie	Hebden	MCR	Future Earth	SWEDEN	Ten New Insights in Climate Science – a streamlined process for prioritising key messages from science to inform policy-makers
1750	Forrest	Hoffman	MCR	Oak Ridge National Laboratory	USA	International Consortium Developing the Next Generation Earth System Grid Federation (ESGF) Distributed Data Infrastructure
609	Sandisiwe	Mahlamvu	ECR	University of KwaZulu-Natal	SOUTH AFRICA	Development of an Integrated Solid Waste Management Plan:The Case Study of Student Residences of PMB Campus, UKZN
1395	Mohammad Rabi	Qazizada	ECR	International Centre for Integrated Mountain Development (ICIMOD)	NEPAL	From the Hindu-Kush Himalaya to the global stage: optimized mechanism for a unified voice on climate risks
1828	Camille	Rannou	MCR	Agropolis Foundation	FRANCE	One Planet Fellowhip Programme - Science, Leadership, Networking
1691	Mark	Shimamoto	MCR	AGU	USA	Co-developing an Ethical Framework for Climate Intervention Research and Potential Scaling

1057	Christian	Steger	MCR	Deutscher Wetterdienst	GERMANY	Providing data and information for climate services at Deutscher Wetterdienst in Germany
535	Wenfu	Tang	ECR	National Center for Atmospheric Research	USA	Accelerating environmental sustainability solutions in Africa: a UCAR initiative
503	Prakash C.	Tiwari	Senior	Kumaun University, Nainital	INDIA	Women Managed Local Micro Hydro-power Projects in Marginalized Mountain Environment: An Institutional Framework of Reducing Gender Gap in Climate Change Adaptation Governance in Himalaya

S40 - Lessons from failures

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
470	Ngunjiri	Ndirangu	ECR	University of Nairobi	KENYA	Population, Climate Change, and Sustainable Development in Africa

PC26 - Open innovation for Earth science research

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1513	Beata	Csatho	ECR	University at Buffalo	USA	Ghub: A science gateway for unifying ice sheet science and education

PC38 - The importance of women in climate change resilience

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1379	Butera	Blanche	ECR	Paul Watkiss Associates	UK	The gender, equality, and social inclusion aspects of the adaptation finance gap
1782	Palmira	Cuéllar	ECR	UnADM	MEXICO	"Brigadas de norte a sur", Empowering women for climate change; an example from Mexico City
398	Bebi	Dabas	MCR	Ramanujan College (University of Delhi)	INDIA	Climate change and Women in India
531	Sithabile	Hlahla	ECR	Future Water Research Institute, University of Cape Town	SOUTH AFRICA	Climate–Urban Nexus: A Study of Vulnerable Women in Urban Areas of KwaZulu-Natal Province, South Africa
1517	Shailendra	Mandal	ECR	National Institute of Technology Patna	INDIA	Women at the core to make slums climate-resilient: A case study of the Metropolitan city of India

350	Denis	Momanyi	ECR	The Leibniz Centre for Agricultural Landscape Research	GERMANY	A framework to assess the adaptation of Kenyan farming systems to climate change: What are the research gaps?

PC39 - Young students empowerment regarding climate change issues

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
239	Valentina	Rabanal	ECR	Young Earth System Scientists (YESS), a	ARGENTINA	Outcomes and lessons learned of the participation of Early Career Researchers in group reviews of the last IPCC reports

PC41 - Good practices in climate services - insights of the past, present, and future

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
201	Lincoln	Alves	MCR	INPE	BRAZIL	Co-production of climate impact information over Brazil
1522	Dragana	Bojovic	MCR	Barcelona Supercomputing Center	SPAIN	Climate Services: Two steps forward or three steps back? Poster not presented during the online session
1431	Louis-Philippe	Caron	MCR	Ouranos	CANADA	Developing tailored climate information for a large audience with varied needs in Canada
1390	Nicola	Golding	MCR	Met Office	UK	Required: a step change in co-production for climate resilience
1422	Song	GUAN	MCR	First Institute of Oceanography, Ministry of Natural Resources	CHINA	DCC-OCC promoting the science-policy interface in UN Ocean Decade global network
1080	Eunice	Koech	ECR	IGAD Climate Prediction and Applications Centre	KENYA	Cascading co-production of climate services from regional to sub-national levels: Experiences from Eastern Africa
1769	Roxy Mathew	Koll	MCR	Indian Institute of Tropical Meteorology	INDIA	Community based Rain, River, and Flood Monitoring System from Kerala, India — a Success Model for Collective Climate Solution.
1120	Izuru	Takayabu	Senior	Meteorological Research Institute	JAPAN	On the roles of mediator on bridging the climate change data producers and data users

PC42 - Climate Resilient Land Use Policies and Practices (LUPP) in Afro-Asian countries

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1612	Koteswara Rao	Kodirekkala	MCR	National Institute of Technology Rourkela	INDIA	Climate resilient crops: Policies and practices in India

PC43 - Evaluation of the Intersection of laws, public administration, and non-governmental initiatives in climate change mitigation

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
255	Ajibola	Akanji	ECR	Lead City University, Ibadan, Nigeria	NIGERIA	Climate Change Mitigation: An Africanist Appraisal of the Intersection of Laws, Public Administration, and Co-operatives
376	Felix Kwabena	Donkor	ECR	University of Education	GHANA	Climate change and livelihood resilience: Opportunities for multi-sectoral approaches to build back better
410	anshika	srivastava	ECR	CSTEP	INDIA	Mapping Trends in National Climate Legislation across the World

S02 - Climate predictability and prediction

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
164	Armand	Tchinda Feudjio	ECR	Institut de Mathématiques et de Sciences Physiques (IMSP), Université d'Abomey Calavi	BENIN	Evolution of the North American Multi model Ensemble (NMME) rainfall seasonal forecasting over Central Africa
64	Iman	Babaeian	MCR	Climate Research Institute	IRAN	Decadal precipitation and temperature prediction over west Asia during 2022-2026 using bias correction of DCPP models outputs
1338	Boris	Babanov	ECR	A.M. Obukhov Institute of Atmospheric Physics of the Russian Academy of Sciences	RUSSIAN FEDERATION	Low-frequency atmospheric circulation regimes in Northern Eurasia and associated weather anomalies
716	Titike	Bahaga	ECR	Norwegian Computing Center,	NORWAY	Probabilistic Rainy Season Onset Prediction over the Greater Horn of Africa based on Long-Range Multi-Model Ensemble Forecasts
796	Virgílio	Bento	ECR	Universidade de Lisboa, Faculdade de Ciências, Instituto Dom Luiz	PORTUGAL	An assessment of seasonal forecasts of wheat and barley yields in Spain
1415	Leone	Cavicchia	MCR	CMCC	ITALY	Towards AI-enhanced seasonal prediction of Mediterranean cyclones
1144	Charlotte	DeMott	Senior	Colorado State University	USA	Warm Pool Surface Freshening by Rainfall Affects Vertical Structure of MJO Convection
1189	Ismaila	Diallo	ECR	The Pennsylvania State University, Department of Meteorology and Atmospheric Science	USA	Connections between Spring Tibetan Plateau Land Surface Temperature and Early Summer Extreme Precipitation Predictions
1075	Markus	Donat	MCR	Barcelona Supercomputing Center	SPAIN	Constraining decadal variability in large climate projections ensembles to obtain improved near-term climate change estimates and attribute sources of predictability
1724	Patrick	Essien	ECR	University of Cape Coast	GHANA	The dynamics of Seasonal migration of ITCZ across the African equatorial region

388	Ulla	Heede	ECR	University of Colorado Boulder	USA	Tropical Pacific warming patterns modulates future hydroclimatic changes and extreme events on five continents
1227	Nirupam	Karmakar	ECR	Indian Institute of Technology Bhubaneswar	INDIA	Vorticity budget for intraseasonal variability of the Indian summer monsoon
1048	Noel	Keenlyside	Senior	University of Bergen	NORWAY	Improving climate prediction through data assimilation and supermodelling
601	Arunya	KGA	ECR	Centre for Water Resources, Anna University	INDIA	Prediction of different types of Rainfall using climatic parameters for a Coastal River basin
763	Yong-Yub	Kim	ECR	Institute for Basic Science, Center for Climate Physics	REPUBLIC OF KOREA	A multi-year climate prediction system based on CESM2
1239	Karen C.	Kirui	ECR	University of Nairobi	KENYA	Role of Subtropical Anticyclones in Driving Seasonal Rainfall Extremes in East Africa
474	Gregor	Leckebusch	Senior	University of Birmingham	UK	Seasonal predictability of extreme cyclones and storms
494	Tong	Lee	Senior	NASA Jet Propulsion Laboratory	USA	Ocean dynamic persistence provides substantial predictability for El Niño-Southern Oscillation **Poster not presented during the online session**
1453	Michael	Mengistu	Senior	South African Weather Service	SOUTH AFRICA	Evaluation of CORDEX models in simulating historical dry spells over major maize producing regions of South Africa
381	Anna	Msigwa	ECR	The Nelson Mandela African Institution of science and Technology	UNITED REPUBLIC OF TANZANIA	A Machine Learning-Based Early Warning System for Droughts in the Pangani Basin, East Africa
491	Chimango	Nyasulu	ECR	University of Gaston Berger	SENEGAL	Enhancing farmers resilience to hostile climate change through machine learning-based weather prediction: Experiences from Senegal
399	Matías	Olmo	ECR	University of Buenos Aires	ARGENTINA	Future changes in extreme precipitation in Southeastern South America: regional statistical climate modeling and synoptic circulation patterns
1148	Nour-Eddine	Omrani	Senior	Geophysical Institute, University of Bergen and Bjerknes Centre for Climate Research	NORWAY	Coupled stratosphere-troposphere-Atlantic multidecadal oscillation and its importance for near-future climate projection
744	Sol	Osman	ECR	Institute of Meteorology and Climate Research (IMK-TRO), Karlsruhe Institute of Technology (KIT)	GERMANY	Multi-model assessment of the sub-seasonal predictive skill for the year-round Atlantic-European weather regimes

738	Iuliia	Polkova	MCR	Universität Hamburg, Centrum für Erdsystemforschung und Nachhaltigkeit, Institute of Oceanography	GERMANY	How good should the initial conditions for decadal climate predictions be in terms of the Atlantic meridional overturning circulation?
714	Manikyala	Rao	MCR	India Meteorological Department, MOES	INDIA	A Comparison of Deep Learning Algorithms for Recognising Tropical Cyclonic Storms in Remote Sensing Images over the Bay of Bengal and Arabian Sea
362	Irfan Ur	Rashid	ECR	Pakistan Meteorological Department, Islamabad, Pakistan	PAKISTAN	Early Summer Temperature variability and predictability over Western South Asia
421	Alvaro	Salazar	MCR	Institute of Ecology and Biodiversity	CHILE	CMIP6 precipitation and temperature projections for Chile
1008	Bjorn H.	Samset	Senior	CICERO	NORWAY	Steady course for global surface warming through 2022
1429	Yeray	Santana-Falcón	ECR	CNRM, Université de Toulouse, Météo-France, CNRS	FRANCE	Multiyear predictability of zooplankton biomass in the eastern subtropical North Atlantic
1308	KOKETSO	sherleen	ECR	University of Pretoria	SOUTH AFRICA	Calibration and validation of Ceres-barley in DSSAT model for simulating growth and yield of barley (Hordeum Vulgare l) under future climate in South Africa
948	Ryu	Shimabukuro	ECR	Graduate School of Science and Technology, Kumamoto University	JAPAN	Update of global maps of Alisov's climate classification
1307	Priyanka	Singh	ECR	University of Petroleum and Energy Studies	INDIA	Role of Advanced Machine Learning to Track Indian Winters through Birds Migration Routes
766	Roberto	Suarez	ECR	Geophysical Institute, University of Bergen, and Bjerknes Centre for Climate Research, Bergen	NORWAY	Assessment of state-of-the-art seasonal prediction systems for ENSO operational forecasting
1126	Yiguo	Wang	MCR	Nansen Environmental and Remote Sensing Center	NORWAY	Decadal predictions initialised by assimilation of sea surface temperature observations

S27-A - Hazards and Extreme events

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1768	Seonaid	Anderson	MCR	UK Centre for Ecology & Hydrology	UK	NFLICS: Nowcasting flood impacts from convective storms in the Sahel
693	Paola Andrea	Arias Gomez	MCR	Universidad de Antioquia	COLOMBIA	Droughts in the Orinoco river basin: a diagnostic analysis Poster not presented during the online session
1619	Katharina	Baier	ECR	University of Vienna	AUSTRIA	The role of moisture and heat transport for extreme droughts droughts in the Amazon - a Lagrangian perspective
1016	Natacha	Bernier	Senior	Environment and Climate Change Canada	CANADA	Advancing Coastal Flooding Science: Coordinating Model Intercomparison and Surge Climate Projection Efforts. Poster not presented during the online session
1663	Belén	Choquehuanca	ECR	Universidad de Buenos Aires	ARGENTINA	Evaluating cut-off lows forecast from the NCEP Global Ensemble Forecasting System (GEFS) in southern South America
265	Anna	del Moral Mendez	ECR	National Center for Atmospheric Research	USA	Towards an improved near-term forecasting for Lake Victoria Basin: Convective diurnal cycle over the lake
280	Anna	del Moral Mendez	ECR	National Center for Atmospheric Research	USA	Pre-convective environments for Lake Victoria using ERA5 reanalysis: identifying severe weather indexes for enhanced forecasts
281	Anna	del Moral Mendez	ECR	National Center for Atmospheric Research	USA	Radar polarimetric signatures of severe convective storms: towards an Early Warning System for Lake Victoria Basin
943	Denis	Muthike	ECR	Mortenson Center in Global Engineering and Resilience	USA	Streamflow and flood prediction in Rwanda using machine learning and remote sensing in support of rural first-mile transport connectivity
903	Markus	Donat	MCR	Barcelona Supercomputing Center	SPAIN	Multi-decadal predictability of wet and dry precipitation extremes from external forcing and climate variability
1550	Dan	Green	ECR	University of Bristol	UK	Tropical cyclones in the southwest Indian Ocean in high resolution simulations
1656	Nicolas	Gruber	Senior	ETH Zürich	SWITZERLAND	Ocean extremes in the water column – from heatwaves to biogeochemical compound events
1159	Ed	Hawkins	Senior	National Centre for Atmospheric Science, University of Reading	UK	Quantifying windstorm risks by translating historical extreme events into the future

499	Oye	Ideki	ECR	University of Missouri Columbia	USA	Spatial Analysis of Rainfall Intensity and Dynamics in the South-South Capital Cities of Nigeria: Implication for Flood Risk Management
651	Bor-Ting	Jong	ECR	Program in Atmospheric and Oceanic Sciences, Princeton University	USA	Using an ensemble of high-resolution climate model simulations to detect, attribute, and project changes in extreme rainfall over the Northeast U.S.
626	Thomas	Jung	Senior	AWI	GERMANY	Storyline attribution and projections of recent extreme events using spectral nudging
1597	Nishadh	Kalladath	ECR	IGAD Climate Prediction and Applications Centre- ICPAC	KENYA	Application of the LISFLOOD-FP Hydrodynamic Model for Impact-Based Forecasting over the Eastern Africa Region
1652	Helene R.	Langehaug	MCR	Nansen Environmental and Remote Sensing Center	NORWAY	Marine heatwaves: can we predict them in the Barents Sea?
566	Gregor	Leckebusch	Senior	University of Birmingham	UK	Towards a robust hazard assessment for the current and a changing climate
1336	John	Marsham	Senior	University of Leeds	UK	WISER Early Warnings for Southern Africa (WISER-EWSA)
1505	Innocent	Masukwedza	ECR	University of Sussex	UK	Extreme agrometeorological events over Zimbabwe: Characteristics and drivers
725	Aditya N	Mishra	ECR	University of Graz	AUSTRIA	Cut-off lows in historical and future simulations of CMIP5 & CMIP6 and associated extreme rainfall
973	Colin	Price	SENIOR	Tel Aviv University	UK	Monitoring wildfire hazards using smartphones. Poster not presented during the online session
1315	Lia	Rapella	ECR	LSCE-IPSL	FRANCE	Climate change on extreme winds already affects off-shore wind power availability in Europe
570	Juan	Rivera	MCR	IANIGLA - CONICET	ARGENTINA	Unprecedented multi-year hydrological drought in the Andean basins of Central-Western Argentina
544	Sidiki	Sanogo	ECR	Institut Pierre-Simon Laplace (IPSL)	FRANCE	Analysis of the impact of the Atlantic equatorial mode on total and extreme rainfall in the Sahel using multiple observational products
885	Anastasiya	Shyrokaya	ECR	Department of Earth Sciences, Uppsala University, Uppsala	SWEDEN	Advances and gaps in the science and practice of impact-based forecasting of droughts
634	Jeewanthi	Sirisena	ECR	Climate Service Center Germany (GERICS), Helmholtz-Zentrum Geesthacht	GERMANY	Flood hazard assessment under projected future extreme rainfall conditions in Mediterranean areas: a case study in North Eastern Sicily
824	Julienne	Stroeve	Senior	University of Manitoba	CANADA	A Case Study of One Winter's Extreme Storminess from Science and Community Perspectives

584	Solange	suli	ECR	Departamento de Ciencias de la Atmósfera y los Océanos (FCEyN, UBA)	ARGENTINA	Statistical and synoptic characterisation of regional heat waves in southern South America
793	Salamatu	Tannor	ECR	Center for Development Research, University of Bonn	GERMANY	Rainfall/Temperature Variability in Southwestern Ghana: Towards a business case for climate action within rural miningscapes
154	Melissa	Tomassini	ECR	United Nations Industrial Development Organization (UNIDO)	AUSTRIA	Climate change-induced loss and damage: what consequences and role for youth?
523	Uwe	Ulbrich	Senior	Freie Universität Berlin	GERMANY	Impacts of climate change and weather extremes in Europe: building a knowledge base for decision support
737	Meng	Xia	MCR	University of Maryland Eastern Shore	USA	Storm Surge Modeling: Influencing Factors
1339	James	Young	ECR	University of Exeter	UK	Social sensing of flood impacts in India: A case study of Kerala 2018

S22 - Impacts on human health and urban systems

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
172	Mojisola	Adeniyi	Senior	University of Ibadan	NIGERIA	Simulation of the impacts of 1.5oC to 3oC regional warming levels on heat related death over West Africa
1020	Luiza	Amancio	ECR	University of São Paulo (USP)	BRAZIL	Sea level rise and waterborne diseases: a public administration case study for Bertioga, São Paulo, Brazil
60	Sourabh	Bal	MCR	Swami Vivekananda Institute of Science & Technology	INDIA	Projection of future bioclimate conditions over West Bengal, India in response to global warming based on climate model
691	Christopher	Boyer	ECR	University of Washington	USA	Engaging stakeholders and informing capacity building for heat health warning systems in Africa
911	Rachid	Cheffou	ECR	University Abdou Moumouni/Wasca	NIGER	Impact of climate change on water supply in the city of Niamey (Niger): Case of Niamey III and V communal districts
150	Papa	Fall	ECR	University Gaston Berger of Saint-Louis	SENEGAL	Bias-corrected CMIP5 projections for climate change and Assessments of Impact on Malaria in Senegal under the VECTRI Model
697	Gouvidé Jean	Gbaguidi	ECR	WASCAL, University of Lomé	TOGO	Towards an intelligent malaria outbreak warning model Based Intelligent Malaria Outbreak Warning in Northern part Benin, West Africa
122	Hamid	Hachelafi	ECR	University Oran1	ALGERIA	Medical entomology, a bio-indicator between climatology and health
919	Melissa	Hart	Senior	University of New South Wales	AUSTRALIA	When citizen science meets urban climate: The Sydney Schools Weather and Air Quality (SWAQ) monitoring network
603	Ulas	Im	MCR	Aarhus University	DENMARK	Future global and regional premature mortality due to exposure to fine particulate matter and ozone
1587	Chris	Jack	MCR	University of Cape Town	SOUTH AFRICA	Unraveling the urban heat health relationship: Innovations in machine learning and large multi-dataset integration
1514	Mahesh	Jampani	ECR	International Water Management Institute (IWMI-CGIAR), IWMI Headquarters	SRI LANKA	Assessing the risk probability of malaria prevalence associated with climate variability and extremes in Senegal

1689	Alpha	Kargbo	ECR	University of The Gambia	GAMBIA	Predicting the potential impact of climate variability on the distribution of Glossinidae,Atylotus agrestis, and Stomoxys calcitrans in The Gambia using Generalized Additive Models
1598	Niina	Käyhkö	Senior	University of Turku, Department of Geography and Geology	FINLAND	Co-production of climate services for cities in Africa - combining local knowledge, digital data and low-cost tools for new opportunities of action
373	Deepak	Kumar	ECR	Amity University Uttar Pradesh	INDIA	Geospatial Technologies for Sustainable Urbanisation: Assessing Urban Heat Pattern Dynamics Owing to Urban Blue-Green Space Transition
775	Gaby	Langendijk	ECR	Deltares	THE NETHERLANDS	Improving climate information for health-related impacts; pollen, influenza, and mold, in Berlin and its surroundings
1658	John	Marsham	Senior	University of Leeds	UK	Modelling climate change in heatwaves in Africa, including past and projected heat impacts on child mortality
1146	Negin	Nazarian	ECR	University of New South Wales	AUSTRALIA	Integrated assessment of urban overheating impacts on human life
777	Patricia	Nying'uro	ECR	Kenya Meteorological Department	KENYA	Identification of local heat thresholds and related health impacts: The case of Nairobi, Mombasa, Kisumu Cities in Kenya
1033	Toluwalope	Ogunro	MCR	Lead City University	NIGERIA	Examining the Health Impact of Climate Change in Nigeria
1304	Felix	Paul	ECR	University of Uyo	NIGERIA	Changing Climate and Health Dynamics In the Coastal Communities of the Niger Delta Region of Nigeria
899	Rahul	Deopa	ECR	Indian Institute of Technology Roorkee	INDIA	Capturing the teleconnections of climate change and socio-economic structures on flood and human health risks from contaminated urban flood waters
711	Prakash C.	Tiwari	Senior	Kumaun University, Nainital	INDIA	Urban Growth and its Natural Risks in High Mountains of Developing World under Climate Change: An Illustration of Uttarakhand Himalaya, India
488	Sophia	Yacob	ECR	Indian Institute of Tropical Meteorology	INDIA	Climate and Dengue Mortality: An AI/ML based Early Warning System and Future Projections for Pune
1571	Andrew	Zimmer	ECR	Montana State University	USA	Demographic exposure to extreme heat and flooding

PC34 - The nexus of climate change, ecosystem & human health: Cascading socio-ecological impacts for Africa

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
84	Shammah	Agyare	ECR	CERATH development organisation	GHANA	The nexus of climate change, ecosystem and human health: Cascading socio-ecological impacts for Africa
1704	Carly	Frank	ECR	Purdue University	USA	Steps towards co-producing relevant heat stress projections in West Africa

S34 - Climate services: effectiveness and evaluation

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1670	Prosper	Houessionon	ECR	International Livestock Research Institute (ILRI)	SENEGAL	Risk aversion, behavior change asymmetry and willingness to adopt in climate-informed advisory and information services for pastoralists and agro-pastoralists in Senegal.
1151	Geneva	List	MCR	International Research Institute for Climate and Society	USA	What we learned from evaluating a six-country climate services project
1492	Miriam	Murambadoro	MCR	South African Weather Service	SOUTH AFRICA	Processes of learning and constraints within the climate change adaptation South African governance space
1279	Asif Uddin Bin	Noor	ECR		BANGLADESH	Evaluating the suitablibility of agromet information for strategic and tactical decision-making to implement climate service in Bangladesh
783	Patricia	Nying'uro	ECR	University of Reading	UK	Experiences of co-producing S2S forecast products for agricultural application in Kenya and Ghana
1716	Adriaan	Perrels	Senior	Tyrsky Consulting	FINLAND	The value of climate services and (non-)markets of information
1736	Andrew	Robertson	Senior	International Research Institute for Climate and Society (IRI), Columbia University	USA	Sub-Seasonal to Seasonal (S2S) Forecasts for Effective Climate Services in Agriculture
1131	Ursula	Tumamo	ECR	Bayero University Kano	NIGERIA	Can climate information services support semi-arid farmers' context-specific needs for adaptation in Cameroon? An analysis of actor's roles, institutional set-up, and effectiveness

PC33 - Climate extreme changes and associated impacts

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
155	Paul	Adigun	ECR	University Of Tsukuba	JAPAN	Detection and attribution of recent trends in temperature extremes over Africa in CanESM5 Large Ensemble
1086	Suresh	Baral	ECR	School of Engineering, Pokhara University, Kaski	NEPAL	Anticipating Future Impacts of Climate Change on Sediment Influx Rate in Hydropower Plant Components: A case study on Modi Khola Hydropower Plant, Nepal
259	Dong	Chen	ECR	CMA Earth System Modeling And Prediction Center	CHINA	Interdecadal Variation and Causes of Drought in Northeast China in Recent Decades
266	Huopo	Chen	MCR	Institute of Atmospheric Physics Chinese Academy of Sciences	CHINA	Variations in Summer Extreme Hot-Humid Events over Eastern China and the Possible Associated Mechanisms
864	Thierry C.	Fotso-Nguemo	ECR	Climate Change Research Laboratory (CCRL), National Institute of Cartography, P.O. Box 157 Yaounde	CAMEROON	On the analysis of compound rainfall and temperature extremes over Africa at 1.5 and 2 °C global warming levels
267	Ya	Gao	MCR	Nansen-Zhu International Research Centre, Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Why Was the August Rainfall Pattern in the Asia-Pacific Region in 2016 Different from That in 1998 under a Similar Preceding El Niño Background?
291	Xuejie	Gao	Senior	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific based on Multi-RegCM4 Simulations
353	Qin	Hu	ECR	Chengdu University of Information Technology	CHINA	Spatial-Temporal Evaluation and Future Projection of Diurnal Temperature Range over the Tibetan Plateau in CMIP6 Models
683	Shiromani	Ja	MCR	Department of Meteorology	SRI LANKA	Future projections of heat wave activity for Colombo area under moderate and high emission scenarios
851	Harison	Kipkulei	ECR	Leibniz Centre for Agricultural Landscape Research (ZALF)	GERMANY	Modelling maize yield sensitivity to abiotic stresses in the Eastern Africa Region: Integration of crop modelling and synthetic climate scenarios.
500	Xianghui	Kong	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	The hourly precipitation frequencies in the tropical-belt version of WRF: sensitivity to cumulus parameterizations and radiative schemes

271	yang	liu	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Interannual variability in August drought in northern China and the corresponding climate shift
329	Jiapeng	Miao	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Multidecadal variations in East Asian winter temperature since 1880: Internal variability versus external forcing
1699	Tlotlo V.	Morupisi	ECR	Department of Meteorological Services	BOTSWANA	The synoptic decomposition of heat waves over Botswana
169	Sri	Nandini-Weiss	ECR	Center for Earth System Research and Sustainability (CEN) of Universität Hamburg, Hamburg, Germany	GERMANY	Future Shifts in Sea level Statistics using the MPI Large Ensemble Simulation
1459	Hammed Opeyemi	Rasaq	ECR	Pan African University, Institute of Water and Energy Sciences (Including Climate Change)	ALGERIA	Hydrometeorological Drivers of Extreme Climate Events in Kano State, Nigeria
81	Inna	Semenova	MCR	Odessa State Environmental University	Ukraine	Dynamics of heat waves in Ukraine over the past decades
82	Inna	Semenova	MCR	Odessa State Environmental University	Ukraine	Trends in sunshine duration over Ukraine and frequency of droughts
53	Ranjit	Solanki	ECR	Sardar Vallabhbhai National Institute of the Technology	INDIA	Effect of Lockdown on Aerosol Optical Depth using Satellite (MODIS Aqua and Terra), based observation over Surat
304	Zhiping	Tian	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Index- and model-dependent projections of East Asian summer monsoon in CMIP6 simulations
331	Xiaoxin	Wang	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Detectable anthropogenic influence on summer compound hot events over China from 1965 to 2014
346	Zhiqing	Xu	Senior	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Prolonged periodicity and eastward shift of the January North Pacific Oscillation since the mid-1990s and its linkage with sea ice anomalies in the Barents Sea
759	Ying	Xu	Senior	National Climate Centre	CHINA	Assessment of Simulation Capability and Projection of Drought over China Based on CMIP6 Global Climate Models
46	Assi Louis Martial	Yapo	ECR	#N/A	CÔTE D'IVOIRE	#N/A
349	Mengqi	Zhang	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Impacts of North Atlantic sea surface temperature on the predominant modes of spring precipitation monthly evolution over Northeast China
1101	Xin	Zhou	ECR	Cornell University	USA	Influence of Urbanization on Deep Convection in the Southern Great Plains of the USA

Tuesday 10 October

Morning (UTC)

Time	TueAM_A	TueAM_B	TueAM_C	TueAM_D	TueAM_E
06:00 – 08:00 UTC	S06 PC27 PC31 PC32	S11	S13 PC03	S21-A PC21	PC01

Afternoon (UTC)

Time	TuePM_A	TuePM_B	TuePM_C	TuePM_D	TuePM_E
15:00 – 17:00 UTC	S04	S12 PC22	S14 S17	S19	PC11 PC12 PC13 PC14 PC15 PC16

PC 27 - High risk events in the future Earth system

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1039	Sofia	Palazzo Corner	ECR	Imperial College London	UK	Tail-end behaviour in the Earth system: an expert assessment

PC 31 - Climate extremes & risk: Impacts, cascades, feedbacks with biosphere and society

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
751	Delphine	Farmer	Senior	Colorado State University	USA	Wildfire smoke effects on air, homes, and ecosystems: A synthesis of atmospheric chemistry observations
205	Christian	Franzke	MCR	Center for Climate Physics, Institute for Basic Science	REPUBLIC OF KOREA	Perspectives on tipping points in integrated models of the natural and human Earth system: cascading effects and telecoupling
810	Marine	Lanet	ECR	LMD/IPSL, Sorbonne Université, ENS, Université PSL, École polytechnique, Institut Polytechnique de Paris, CNRS, Paris France	FRANCE	Climate dryness as a driver for wildfire occurrence in Southwest France
1032	Vuwani	Makuya	ECR	Agricultural Research Council	SOUTH AFRICA	Utilizing planting dates as an adaptation strategy for rainfed maize in response to climate change: A case study of the Free State province, South Africa
1053	Shailendra	Mandal	ECR	National Institute of Technology Patna	INDIA	Making resilience building work for societal resilience and reaching the SDGs, while facing climate extremes: Strategies for resource constrained metropolitan city of India
1166	Zoya	Mateeva	MCR	Climate, Atmosphere and Water Research Institute (CAWRI) at Bulgarian Academy of Sciences (BAS)	BULGARIA	Population vulnerability to some climatic hazards: the case of Sofia, Bulgaria

PC 32 - Understanding and modeling of weather and climate extremes and related complex risks

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1471	Camille	Cadiou	ECR	Laboratoire des Sciences du Climat et de l'Environnement (LSCE)	FRANCE	Simulating extreme cold winters in Europe with empirical importance sampling
1064	François	Collet	ECR	CECI, Université de Toulouse, CERFACS, CNRS	FRANCE	Characterization of climate conditions leading to compound low wind power production and high electricity consumption in France
275	Davide	Faranda	MCR	LSCE - LMD - IPSL -CNRS	FRANCE	Analogues Methods for attribution of extreme events to climate change, application to the exceptional 2022 European-Mediterranean drought
204	Christian	Franzke	MCR	Center for Climate Physics, Institute for Basic Science	REPUBLIC OF KOREA	Changing temporal volatility of precipitation extremes due to global warming
452	Mireia	Ginesta Fernandez	ECR	Laboratoire des Sciences du Climat et de l'Environnement - IPSL	FRANCE	Effect of anthropogenic climate change on explosive cyclogenesis cases in Europe
674	Megan	Kirchmeier -Young	ECR	Environment and Climate Change Canada	CANADA	Assessing the reliability of probabilistic event attribution
1763	Frank	Kwasniok	Senior	University of Exeter	UK	Robust extreme value analysis by semiparametric modelling of the entire distribution range
889	Zakariahou	Ngavom	ECR	Laboratory for Environmental Modelling and Atmospheric Physics (LEMAP), University of Yaounde	CAMEROON	Analysis of the Central African population's exposure to extreme precipitation events under 1.5, 2 and 3 °C global warming levels based on CMIP6 simulations
102	Salomon	Obahoundje	ECR	LASMES-African Centre of Excellence on Climate Change, Biodiversity and Sustainable Development, Universit´e F´elix Houphou¨et Boigny	CÔTE D'IVOIRE	Application of ensemble machine learning to assess potential impacts of climate change on Hydropower generation of Nangbeto dam in West Africa using multi-model CORDEX mean
1099	Ronak	Patel	ECR	Caltech	USA	Probabilities of Hydrometeorological Extremes in a Changing Climate
820	Juan	Rivera	MCR	IANIGLA - CONICET	ARGENTINA	Recent extreme drought over La Plata Basin: a glimpse of the future?
1572	Jakob	Wessel	ECR	University of Exeter	UK	A multisite precipitation weather generator using GAMLSS

S11 - Advances in global and regional climate modelling

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
145	Oluibukun	Ajayi	ECR	Namibia University of Science and Technology	NAMIBIA	A review of remote sensing and geospatial technologies and methodologies in climate change modelling
677	Raju	Attada	ECR	Indian Institute of Science Education and Research Mohali	INDIA	Investigating the Winter Precipitation over complex orographic region using High Resolution Regional Climate Model
142	Otaiba	Bahar	ECR	Sudan Meteorological Authority	SUDAN (THE)	Climate modeling
1444	Nana Ama	Browne Klutse	MCR	University of Ghana	GHANA	Modeling Onset and Cessation of Seasonal Rainfall in West Africa from CMIP5, CMIP6 and CORDEX, CORDEX CORE
954	Nuno	Carvalhais	ECR	Max Planck Institute for biogeochemistry	GERMANY	Integration of a deep-learning-based fire model into a global land surface model
768	Rafaela Jane	Delfino	ECR	University of the Phlippines Diliman	PHILIPPINES	Influence of pre-industrial, recent, and far-future warming on Philippine typhoons' peak winds and associated rainfall: some case studies
236	Harun Mwangi	Gitonga	ECR	KIRINYAGA UNIVERSITY	KENYA	Development of Bayesian vector autoregressive model in forecasting rainfall pattern
1536	Jose	González-Abad	ECR	Instituto de Fısica de Cantabria (IFCA), CSIC-Universidad de Cantabria	SPAIN	Downscaling multi-model climate projection ensembles with deep learning: A contribution to CORDEX CMIP6
1720	Tomáš	Halenka	Senior	Charles University	CZECH REPUBLIC	Urban environments and regional climate change - CORDEX flagship pilot study URB-RCC
887	Sandy P.	Harrison	Senior	School of Archaeological and Environmental Sciences, University of Reading, UK	UK	Green vegetation cover: a first-principles model for a first-order control of land-atmosphere exchanges
916	Bian	He	MCR	LASG/IAP	CHINA	Sensitivities of the Asian summer monsoon simulations to physical parameters for the Perturbed Parameter Ensemble of HadGEM3-GC3.05
462	Forrest	Hoffman	MCR	Oak Ridge National Laboratory	USA	Evaluating Land Carbon Cycle Processes in Earth System Models: Have Models Improved Over Time?
627	Thomas	Jung	Senior	AWI	GERMANY	Eddy-rich Earth system modelling

1616	Chunyong	Jung	ECR	Argonne National Laboratory	USA	Assessing the Benefits of New 4 km Convection-Permitting Regional Climate Modeling for North Atlantic Hurricane Simulations: A Comparative Study
1747	Chunyong	Jung	ECR	Argonne National Laboratory	USA	Uncertainty Quantification of Convection-Permitting Climate Projections over North America
958	Jiwoo	Lee	MCR	Lawrence Livermore National Laboratory	USA	Tool for Collective Evaluation of Earth System Models: recent updates in PCMDI Metrics Package (PMP)
741	Gurriaran	Léna	ECR	LSCE	FRANCE	Electricity production and associated CO2 emissions under climate change: A machine learning approach incorporating climate variables and human activity indices
1693	Redouane	Lguensat	ECR	Institut Pierre-Simon Laplace	FRANCE	Surrogate Modeling for Coupled Model Tuning: Lessons learned from simple and intermediate complexity models
188	François Xavier	Mengouna Ntsengue	ECR	Laboratory of Environmental Modeling and Atmospheric Physics, Department of Physics, Faculty of Science, University of Yaounde I	CAMEROON	Influence of “Slab-Ocean” Parameterization in a Regional Climate Model (RegCM4) over Central Africa
873	H.G.M.	Palipana	ECR	University of Peradeniya	SRI LANKA	Application of remotely sensed data in regional-level climate analysis
764	Debjit	Paul	ECR	Indian Institute of Technology, Delhi	INDIA	Developing Machine Learning (ML) based Cloud Microphysics Parameterization for Geophysical Flow Simulations using MPAS.
883	Iain Colin	Prentice	Senior	Imperial College London	UK	The new physics of land ecosystems
673	Yun	Qian	Senior	Pacific Northwest National Lab	USA	Parametric Sensitivity and Uncertainty Quantification in Climate Model Based on Perturbed Parameter Ensemble (PPE) Simulations
1372	Francesca	Raffaele	Senior	ICTP	ITALY	Convection-Permitting simulations over South America: how to reconcile model and observational uncertainty at the sub-daily time scale.
1576	Ramontsheng	Rapolaki	ECR	Agricultural Research Council	SOUTH AFRICA	Enhancing Agricultural Decision-Making in South Africa: Developing and Evaluating Short-to-Medium Range Weather Forecasting System
1026	Marco	Reale	MCR	National Institute of Oceanography and Applied Geophysics	ITALY	Mediterranean sea biogeochemical dynamics during the 21st century: a first-of-its-kind study using eddy resolving projections under emission scenarios RCP4.5 and RCP8.5
1158	John	Rostron	MCR	Met Office	UK	Tracking systematic errors and climate feedbacks across recent versions of the Met Office’s HadGEM3 climate model

1497	Dave	Rowell	Senior	Met Office	UK	On the impact of an explicit representation of convection on user-relevant projections of wet and dry extremes. Not presented during the online poster session
58	Teddy	Senior	Senior	UNIVERSITY OF EDUCATION WINNEBA	GHANA	The impact of Climate change in West Africa: A case of Ghana's current situation
1760	Julia	Sloan	ECR	California Institute of Technology	USA	Calibrating CliMA's land model
657	Evgeny	Volodin	Senior	Institute of Numerical Mathematics	RUSSIAN FEDERATION	INM climate model: progress with respect to CMIP6 version
518	Jun	Wang	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Improving hydrological model forecasting and prediction using the convolutional neural network and support vector regression methods
1220	YC	Wang	MCR	Research Center for Environmental Changes, Academia Sinica	CHINA	Investigating CMIP6 model uncertainties of MJO propagation with diurnal rainfall cycle over Maritime Continent
891	Yongqiang	Yu	Senior	Institute of Atmospheric Physics	CHINA	Introduction to the Earth System Numerical Simulation Facility in China
1258	Tianjun	ZHOu	Senior	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	How do initial-condition large ensembles enable us to quantify the contributions of anthropogenic forcing and natural variability to Asian monsoon changes?

S13 - Carbon cycle

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
405	Misheck	Chundu	ECR	University of Twente	THE NETHERLANDS	Assessment of the effect of UAV and Pleiades spatial resolution and band combination on biomass estimation in haagse bos, the Netherlands.
753	Manoj	Hari	ECR	National Institute of Technology Rourkela	INDIA	Synergies between Community Earth System Model and satellite-derived proxies in capturing the terrestrial carbon dynamics across scales
1252	Claire	Macintosh	Senior	ESA	UK	ESA CLIMATE CHANGE INITIATIVE TERRESTRIAL ESSENTIAL CLIMATE VARIABLES IN SUPPORT OF CLIMATE SERVICES AND TERRESTRIAL CARBON
1430	Matteo	Mastropierro	ECR	Ca' Foscari University of Venice	ITALY	On the response of Amazon basin vegetation to El Niño and mean-state changes in CMIP6 models under the SSP5-8.5 scenario
238	Idrissa	Sawadogo	ECR	Joseph KI-ZERBO University	BURKINA FASO	Assessment of volume, biomass and carbon stock of cashewnuts trees in Ouessa district, Burkina Faso
1491	Marko	Scholze	Senior	Lund University	SWEDEN	A new terrestrial biosphere model for combining satellite and in-situ observations into a consistent view of the terrestrial carbon cycle in a variational assimilation system
540	Geoffroy	Sossa	ECR	West African Science Service Center on Climate Change and Adapted Land Use (WASCAL)	BENIN	Proper N fertilizer amount and water management improve CO2 exchange and net ecosystem C balance of rice cultivation in Southern Benin
339	Yogesh	Tiwari	MCR	Indian Institute of Tropical Meteorology	INDIA	Unraveling the Philosophy Behind Greenhouse Gases Emissions Variability In India: In-situ Concentration And Isotope Monitoring Approach
123	Gaius	Vihowanou	ECR	Department of Animal Production, Faculty of Agronomic Sciences, University of Abomey Calavi	BENIN	Estimation and comparison of enteric methane emissions from different peri-urban cattle farms in southern Benin

PC03: Constraining TCRE for carbon budgets

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1192	Rachel	Chimuka	ECR	Simon Fraser University	CANADA	Quantifying the contribution of carbon cycle and physical feedbacks to TCRE (a)symmetry
715	Chris	Jones	Senior	Met Office Hadley Centre	UK	TCRE and carbon budgets: sources of uncertainty and potential constraints
1482	Matteo	Mastropierro	MCR	Ca' Foscari University of Venice, Venice	ITALY	Testing GWP* to quantify non-CO2 contributions in the carbon budget framework: the case under overshoot scenarios
1017	Sofia	Palazzo Corner	ECR	Imperial College London	UK	The Zero Emissions Commitment and climate stabilisation
1469	Richard	Williams	SENIOR	University of Liverpool	UK	Drivers of continued warming after net zero is reached

S21-A - Impacts on food security and water availability

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1380	Hossein	Dehghanisanij	Senior	Tarbiat Modares University, Tehran	IRAN	Social Challenges of Introducing a Decision Support System for Agricultural Irrigation Management Where Lake Urmia is almost Dead
782	Reza	Deihimfard	MCR	Environmental Sciences Research Institute, Shahid Beheshti University	IRAN	Modelling the impacts of global warming on wheat water footprint in arid agroecosystems
1018	Mohsin	Khan	ECR	Dept of Governance & Public Policy, NUML Islamabad	PAKISTAN	Investigating Typology of Adaptation Strategies of Communities towards Food Insecurity in Pakistan; Application of Grounded Theory
98	Rakotoarivelo	Malalaniaina Miora	ECR	Faculty of Letters and Humanities, University of Antananarivo	MADAGASCAR	Understanding food environment, water scarcity and resilience in changing world : a study case from medium-sized city in Madagascar
1180	Shailendra	Mandal	ECR	National Institute of Technology Patna	INDIA	An assessment of Impacts of climate change on water availability and food security in urban areas: A case study of the metropolitan city of India
662	Emanuel	Martin	ECR	College of African Wildlife Management, Mweka	UNITED REPUBLIC OF TANZANIA	Local perceptions of climate change and adaptation responses from two mountain regions in Tanzania
1762	Hailemariam	Mengistu	ECR	University of Tsukuba	JAPAN	Hydrological and Land suitability Analysis for Flood-based productivity in Afar Region, Ethiopia
1626	sanaz	mohammadi	Senior	Tarbiat Modares University, Tehran	IRAN	climate change and its effects on plants
466	Bester	Mudereri	ECR	International Center of Insect Physiology and Ecology (ICIPE)	KENYA	Systematic spatial and temporal dynamics of the desert locust (Schistocerca gregaria) occurrence and invasion in eastern Africa
516	Jane wangui	mugo	ECR	International Institute of Tropical Agriculture	KENYA	Simulated effects of climate change on green gram production in Kitui County, Kenya
326	LUCY	MUMO	ECR	Pusan National University	REPUBLIC OF KOREA	Projected changes in climate suitability and yields of maize and sorghum crops over Kenya in the 21st century by CMIP5 Models

1306	Linda	Ogallo	MCR	IGAD Climate Prediction and Application Centre (ICPAC)	KENYA	State of Climate, Peace and Security in the Horn of Africa
719	Hoong Chen	Teo	ECR	National University of Singapore	SINGAPORE	Large-scale reforestation can increase water yield and reduce drought risk for water-insecure regions in the Asia-Pacific
502	Prakash C.	Tiwari	Senior	Kumaun University, Nainital	INDIA	Changing Precipitation Pattern and its Impact on Food Security in Marginalized Mountain Environment: An Illustration Innovative Responses and Adaptation by Indigenous Communities in Himalaya

06:00 - 08:00 UTC | Tuesday, 10 October 2023 | Poster session ID: TueAM_E

PC01 - Atmospheric Rivers: The nexus between weather, water, and climate extremes

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1143	Alejandro	Builes-Jaramillo	ECR	Institución Universitaria Colegio Mayor de Antioquia	COLOMBIA	Precipitation over the Far Eastern Colombian Pacific during the OTREC campaign: Linkages Choco Low-Level Jet and Wind Shear
1184	Bin	Guan	MCR	University of California, Los Angeles	USA	Global Application of the Atmospheric River Scale
813	Tim	Higgins	ECR	University of Colorado - Boulder Department of Atmospheric and Oceanic Sciences	USA	Atmospheric River related changes over the North American West Coast under Anthropogenic warming
1360	Ahmed	Hossain	ECR	Bangladesh University of Engineering and Technology	BANGLADESH	Anticipatory Action Using Atmospheric River: Potentiality Assessment from the Meghna Basin's Extreme Flash Floods Events
1751	Tae-Jun	Kim	ECR	National Institute of Meteorological Sciences	REPUBLIC OF KOREA	Evaluation of a CMIP6 multi-GCM ensemble for atmospheric Rivers and precipitation over East Asia
797	Luciano	Pezzi	Senior	Instituto Nacional de Pesquisas Espaciais (INPE)	BRAZIL	Air-sea interaction and feedback mechanisms on cases of oceanic SACZ
1567	Christoph	Renkl	ECR	Woods Hole Oceanographic Institution	USA	Impact of Marine Heatwaves on Atmospheric Rivers along the Coast of California

S04 - Storms, eddies and jets in the atmosphere and ocean

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
690	Paola Andrea	Arias Gomez	MCR	Universidad de Antioquia	COLOMBIA	A drier Orinoco basin during the 21st century: the role of the Orinoco low-level jet. Poster not presented during the online session
1309	Rondrotiana	Barimalala	MCR	Norwegian Research Center	NORWAY	The roles of southeastern African river valley jets on regional rainfall
1789	Priya	Bharati	ECR	Indian Institute of Technology Kharagpur	INDIA	The Impact of El-Nino Southern Oscillation (ENSO) on Western Disturbances and Extreme Winter Precipitation over the Western Himalayas
1140	Alejandro	Builes Jaramillo	ECR	Institución Universitaria Colegio Mayor de Antioquia	COLOMBIA	The ENSO phase transitions influence over the Low-Level Jets of Northern South America
1223	Rodrigo	Caballero	Senior	Stockholm University	SWEDEN	The hemispheric asymmetries of midlatitude surface winds
749	Willem Stefaan	Conradie	ECR	Climate System Analysis Group, University of Cape Town	SOUTH AFRICA	Hemispheric circulation anomalies and weather systems associated with recent April-May drought around Cape Town, South Africa
1040	Fabio	D'Andrea	Senior	LMD - IPSL, Ecole Normale Superieure - PSL University, Paris	FRANCE	Increasing depressions in the Euro-Atlantic summer leading to temperature extremes?
552	Nohlahla	Dlamini	ECR	University of the Witwatersrand	SOUTH AFRICA	Southern Ocean storm tracks during anomalously wet and dry years in the winter rainfall region of South Africa
203	Christian	Franzke	MCR	Center for Climate Physics, Institute for Basic Science	REPUBLIC OF KOREA	Long-Term Trends of the Atmospheric Circulation and Moist Static Energy Budget in the JRA-55 Reanalysis
1765	Alan	García Rosales	ECR	CENTRAL MICHIGAN UNIVERSITY	PERU	Evaluation of the Evolution of Severe Storm Environments through use of the Lapse rate tendency equation.
728	Sergey	Gulev	Senior	IORAS	RUSSIAN FEDERATION	Long-term changes in wind wave statistics over 1880-2021 from visually observed wave data
1509	Or	Hadas	ECR	Weizmann Institute of Science	ISRAEL	Extending the theory of baroclinic growth by taking a single storm perspective

930	Devyani	Kamble	ECR	Department of Atmospheric and Space sciences, Savitribai Phule Pune university, Pune	INDIA	UNDERSTANDING THE DYNAMICS OF ARABIAN SEA MONSOON EDDY SYSTEM AND ITS REGIONAL IMPACT
1593	Akintunde Israel	Makinde	ECR	University of Cape Town	SOUTH AFRICA	Simulating the characteristics of West African westerly jet using the Model Prediction Across Scale-Atmosphere (MPAS-A)
1314	Francis	Nkrumah	ECR	University of Cape Coast	GHANA	Classification of Large-Scale Environments that drive the formation of Mesoscale Convective Systems over Southern West Africa
1160	Suryachandra A	Rao	Senior	Indian Institute of TRopical Meteorology	INDIA	Impact of Bay of Bengal Eddies on Indian Summer Monsoon Rainfall
859	Tiffany	Shaw	MCR	The University of Chicago	USA	Fastest jet stream winds get faster under climate change
1326	Marcia	Zilli	ECR	University of Oxford	UK	Interactions Between Mean State Biases and Synoptic-Scale Rainfall during Tropical-Extratropical Cloud Band Events over South America simulated by Two Global Climate Models: BAM-1.2 and HadGEM3

S12 - Advances in climate observations and model-data fusion

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
384	Jean-Francois	Cretaux	Senior	ICUBE-Sertit, University of Strasbourg	FRANCE	Consolidation of datasets of Essential Climate Variables exploiting HR imagery and Altimetry times series within the ESA CCI Lakes Framework; cases African lakes
795	Jean-Francois	Cretaux	Senior	Institute for Electromagnetic Sensing of the Environment, National Research Council, Milan	FRANCE	Impact on lake surface water quality of heatwaves and burning events in the lakes watershed
216	Elizaveta	Ezhova	ECR	Shirshov Institute of Oceanology of Russian Academy of Sciences	RUSSIAN FEDERATION	Obtaining wind wave parameters using marine navigation X-band radar and SeaVision system
1253	Karen C.	Kirui	ECR	University of Nairobi	KENYA	Validity of Various Climate Data Products in Assessment of Rainfall Variability and Change for Decision Support in Eastern and Southern Africa
1778	Renaud Roméo	KOUKOUI	ECR	Institut de Mathématiques et de Sciences Physiques, Université d'Abomey-Calavi	BENIN	Testing the suitability of Marginal Distribution Sampling as a gap-filling method using some meteorological data from seven sites in West Africa
1317	Paul	Kushner	Senior	University of Toronto, Department of Physics	CANADA	Combining Spaceborne, Airborne, In-Situ, and Reanalysis Data to Constrain Snow Loading on Arctic Sea Ice and Sea-Ice Thickness Retrieval
1093	Oscar	Mirones	ECR	Instituto de Física de Cantabria (IFCA). CSIC - Universidad de Cantabria, Santander	SPAIN	Infilling sparse records with Deep Learning: An application to fire danger monitoring and early warning in Spain
1563	Aditi	Modi	ECR	Indian Institute of Tropical Meteorology, Pune	INDIA	Improved Estimation of ocean ecosystem indicators using Monte-Carlo Gap-Filling in Cloud-Prone Indian Ocean Color Data
485	Marc	Schröder	Senior	Deutscher Wetterdienst	GERMANY	Climate Monitoring SAF: Sustained Generation of Satellite-Based Climate Data Records
486	Marc	Schröder	Senior	Deutscher Wetterdienst	GERMANY	A new version of the Fundamental Climate Data Record of Microwave Imager Radiances

1605	Erlich-Honest	Zauisomue	ECR	University of Namibia	NAMIBIA	ASSESSMENT OF EXTREME CLIMATE EVENTS PREDICTABILITY WITH GEOSPATIAL TECHNIQUES ON CUVELAI-ETOSHA BASIN IN NORTHERN PART OF NAMIBIA.

PC22 - Monitoring and modeling Earth System change: Integrating models and observations

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
227	Esubalew	Adem	ECR	King Abdulaziz University	SAUDI ARABIA	Estimation of Evapotranspiration based on METRIC and SEBAL model using Remote sensing, near Al Jouf, Saudi Arabia
397	lijing	Cheng	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Towards a comprehensive quantification of the uncertainty in observational ocean gridded dataset
827	Gokhan	Danabasoglu	Senior	National Center for Atmospheric Research	USA	Simulated and Observed AMOC Transport Estimates in the North and South Atlantic
682	Priscilla	Heita	ECR	Ministry of Agriculture water and reform	NAMIBIA	Cellular Automata modelling and predicting informal settlements in Windhoek Namibia from 2018 to 2050
762	Yutaro	KUBO	Senior	Numerical Prediction Development Center, Japan Meteorological Agency	JAPAN	The systematic errors of the Indian Ocean Dipole in the JMA seasonal prediction system (CPS3)

S14 - Global energy budget

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
648	Susanne	Bauer	Senior	NASA	USA	Trends in Earth's radiative fluxes driven by changes in forcings and atmospheric composition
396	lijing	Cheng	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Past and future changes of ocean heat content and implications for Earth's energy budget
1639	Benoit	Meyssignac	MCR	CNES/LEGOS	FRANCE	Revisiting the dependance of the global energy budget dynamics on the pattern of warming with a multivariate energy balance model. Not presented during the online session
487	Marc	Schröder	Senior	Deutscher Wetterdienst	GERMANY	The GEWEX Water Vapor Assessment (G-VAP): results from the inter-comparison of global water vapour data records

S17 - Climate feedbacks and climate sensitivity

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1644	Benoit	Meyssignac	MCR	LEGOS/CNES	FRANCE	Historical observations of the Earth energy budget show the time-variations of the climate feedback parameter are associated with the Pacific Decadal Oscillation
1613	Robert	Pincus	Senior	Lamont-Doherty Earth Observatory	USA	The spectral roots of hydrologic sensitivity
975	Colin	Price	Senior	Tel Aviv University	ISRAEL	Thunderstorms, Cirrus Clouds, and Arctic Sea Ice. Poster not presented during the online session
241	Addisu	Semie	ECR	Addis Ababa University	ETHIOPIA	The role of the organization of deep convection in modulating the Earth's radiation budget and precipitation extremes

S19 - Land use and land cover change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1739	Nataliia	Antoniuk	MCR	Wegener Center for Climate and Global Change (WEGC)	AUSTRIA	ANTI-CRISIS MANAGEMENT OF LAND RESOURCES IN THE CONDITIONS OF HOSTILITIES (BY THE EXAMPLE OF UKRAINE)
1678	Francis-Marie Colson	Beniambie	ECR	NANGUI ABROGOUA University	CÔTE D'IVOIRE	Vegetation indices and land cover dynamics using GIS and remote sensing tools
1132	Martin	Chari	ECR	University of Fort Hare	SOUTH AFRICA	Land degradation management for ecosystem-based adaptation planning through agent-based modelling solutions for selected hotspot areas in South Africa
404	Misheck	Chundu	ECR	University of Zambia	ZAMBIA	Effects of land-use change on water quality and the future scenario of the Bangweulu wetland, Zambia: A remote sensing approach
454	Grace	Gachara	ECR	Mohammed VI Polytechnic University	MOROCCO	Drivers of Post-Harvest Aflatoxin Contamination in the Wake of Climate Change: Evidence Gathered from Field Surveys of Maize Farmers in the Rift-Valley Region of Kenya
825	Lamin	Jobe	ECR	The Gambia Ministry of Basic and Secondary Education-MoBSE	GAMBIA	STATISTICAL METHODS ON SOIL AND LAND RESOURCES SURVEY: A CASE OF GAMBIA IN THE FACE OF CHANGING CLIMATE
1010	Kanti	Kafle	ECR	Gandaki Engineering and Environmental Solutions, Kaski	NEPAL	Identification of sediment source using geochemical markers to develop climate change adaptation and mitigation strategies: A case study on Chitlang watershed
1167	Siphelele	Mahlaba	ECR	University of the Free State	SOUTH AFRICA	The nexus between climate change and human activities in South Africa: A critical analysis review.
168	Manoj	Naunyal	ECR	Kathmandu Forestry Collegen	NEPAL	Effect of land use and land cover change on plant diversity in the Ghodaghodi Lake Complex, Nepal
442	Joel	Ndayisaba	ECR		RWANDA	The Relationship between Land Use and Carbon Monoxide (CO) concentration as indicator of Climate Change: A Case Study of Bugesera District
1456	Romina	Ruscica	MCR	Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Buenos Aires	ARGENTINA	Role of land-cover changes and precipitation trends in driving evapotranspiration changes in southeastern South America

308	Idrissa	Sawadogo	ECR	Joseph KI-ZERBO University	BURKINA FASO	Socio-demographic, structural and agronomic characteristics of cashew plantations (Anacardium occidentale L.) in the municipality of Ouessa (South West Burkina Faso)
630	Ramesh	Singh	Senior	Chapman University	INDIA	Land Use and Land Cover Changes Associated Agricultural practices: Impacts on Water Storage in the Northern Parts of India
964	Ermias	Sisay	ECR	University of Tsukuba	JAPAN	SSP-RCPs scenario-based future land use change projection over Ethiopia
1665	Will	Rynearson	Senior	Development Seed	USA	PEARL: Planetary Computer Land Cover Mapping
823	Sunday	Toka	ECR	Lagos State Government	NIGERIA	Geospatial Assessment of Land Use/Cover, Rainfall and Flood Incidents in Eti-Osa, Lagos, Nigeria
956	Alou	TRAORE	ECR	KNUST	GHANA	Modelling past and future land use and land cover dynamics in the Lotio River Basin, West Africa
533	Adama Tama	Traore	ECR	West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL)	MALI	Measure of sustainable land management with agroforestry system, adoption and benefits perceived by farmers: Case of the Mafele village, Bougouni region in Mali.
1454	Semeena	Valiyaveetil	Senior	UK Centre for Ecology and Hydrology	UK	A new Climatological Leaf Area Index (LAI) data derived from the Global LAnd Surface Satellite (GLASS) products for Land Surface models and Forecast models

PC11 - The role of North Atlantic Oceanic processes on regional climate variations and change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1743	Christine	Chung	MCR	Bureau of Meteorology	AUSTRALIA	The role of the Tropical Atlantic in modulating Tropical Pacific variability

PC12 - Changes in sea surface temperature patterns in the Tropics

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1698	Reyk	Börner	ECR	University of Reading	UK	Modeling wind-responsive diurnal SST for idealized cloud-resolving simulations
195	Vineet	Singh	ECR	Indian Institute of Tropical Meteorology	INDIA	Variations in the atmospheric response to north Indian Ocean cyclones during different ocean conditions
229	Mamadou	Thiam	ECR	LSAO-MED, Gaston Berger University	SENEGAL	Global SST and Atmospheric Circulation Signal Associated Seasonal Rainfall in Senegal

PC13 - Effects of mesoscale to small-scale oceanic processes on climate changes

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1176	Cong	Guan	ECR	Institute of Oceanology Chinese Academy of Sciences	CHINA	Zonal structure of tropical Pacific surface salinity anomalies affects the two types of El Niño
1177	Shijian	Hu	MCR	Institute of Oceanology, Chinese Academy of Sciences	CHINA	Subsurface marine heatwaves in the tropical western Pacific Ocean
675	Qian	Liu	ECR	Institute of Oceanology, Chinese Academy of Sciences	CHINA	The physical and biochemical characteristics of eddies in the Southern Ocean
877	Chuanyu	Liu	MCR	Institute of Oceanology, Chinese Academy of Sciences	CHINA	Turbulent Mixing in the Barrier Layer of the Equatorial Pacific Ocean
235	Dongxiao	Wang	Senior	Sun Yat-sen University	CHINA	Surface wave effects on coastal submesoscale currents

1213	Fan	Wang	Senior	Institute of Oceanology, Chinese Academy of Sciences	CHINA	Roles of tropical Pacific surface salinity in affecting ENSO asymmetry
1235	Fan	Wang	Senior	Institute of Oceanology, Chinese Academy of Sciences	CHINA	An Ocean Data Resource Pool for Multi-scale Oceanic Process and Climate Change Studies

PC14 - Ocean mixing and climate

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1343	Founi Mesmin	Awo	ECR	Department of Oceanography, University of Cape Town	SOUTH AFRICA	Ocean salinity variation in Angola upwelling system and its potential impact on Angola coastal fish habitat
351	Casimir	de Lavergne	ECR	Sorbonne University	FRANCE	Effects of improved tidal mixing in NEMO one-degree global ocean model
1800	Marcus	Dengler	Senior	GEOMAR Helmholtz Centre for Ocean Research Kiel	GERMANY	Mixing processes in the upper tropical Atlantic: An event data base for evaluating vertical mixing parameterizations in Earth System Models
555	Sonya	Legg	Senior	Princeton University	USA	Parameterizing tidally-driven mixing in global climate models
1443	Yang	Wang	ECR	Chinese Academy of Sciences	CHINA	Enhanced Dissipation of Internal Tides in a Mesoscale Baroclinic Eddy

PC15 - Ocean predictability and prediction on subseasonal to decadal time scales

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
445	Hongdou	Fan	ECR	Institute of Oceanography, Center for Earth System Research and Sustainability, Universität Hamburg	GERMANY	North Atlantic subpolar gyre provides downstream ocean predictability
1328	Xue	Feng	ECR	University of Hawai'i at Mānoa	USA	Improved global ocean modeling capabilities for analyzing sea level variability near the U.S. East Coast and in the Gulf of Mexico
703	William	Merryfield	Senior	Environment and Climate Change Canada	CANADA	Prospects for seasonal prediction of ocean mixed-layer depth
1348	Jongyeon	Park	Senior	Jeonbuk National University	REPUBLIC OF KOREA	Impact of bio-optical feedback on El Nino prediction during its decaying phase

1582	Christoph	Renkl	ECR	Woods Hole Oceanographic Institution	USA	Downscaling the Ocean Response to the Madden-Julian Oscillation in the Northwest Atlantic
476	Grant	Smith	MCR	Bureau of Meteorology	AUSTRALIA	Marine heatwave prediction from weeks to months to seasons
257	Jingzhi	Su	Senior	CMA Earth System Modeling and Prediction Centre	CHINA	Unique 2020 La Niña promoted by tropical Indian and Atlantic Ocean warming
417	Liping	Zhang	MCR	NOAA/GFDL	USA	The relative role of the subsurface Southern Ocean in driving negative Antarctic Sea ice extent anomalies in 2016-2021

PC16 - Marine heatwaves in the world oceans

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
709	Antonietta	Capotondi	Senior	University of Colorado, CIRES	USA	An optimal large-scale precursor of Northeast Pacific marine heatwaves. Poster not presented during the online session
1004	Farzana	Haris	ECR	College of Climate Change and Environmental Science	INDIA	Extreme Climatic events: The Future of Marine Heatwaves in the Northern Indian Ocean
907	Regina	Rodrigues	Senior	Federal University of Santa Catarina	BRAZIL	Extreme Compound Events in the tropical and South Atlantic
360	Jin-Yi	Yu	Senior	University of California, Irvine	USA	The North Pacific marine heatwave and its associated Pacific-Atlantic interactions

Wednesday 11 October

Morning (UTC)

Time	WedAM_A	WedAM_B	WedAM_C	WedAM_D	WedAM_E
06:00 – 08:00 UTC	S03 PC07	S27-B	S18 PC25	S26	S35

Afternoon (UTC)

TIme	WedPM_A	WedPM_B	WedPM_C	WedPM_D	WedPM_E
15:00 – 17:00 UTC	S08	S20	S21-B PC35 PC37	S28 PC29	S36 PC17 PC18 PC20

S03 - Global and regional monsoons

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
670	Prince	Ameyaw	ECR	University of Ghana	GHANA	Characterization of WRF simulated Low-level jets over Southern West Africa
436	Raghavendra	Ashrit	Senior	National Centre for Medium Range Weather Forecasting	INDIA	Extreme Rainfall Events over India during Summer Monsoon: Recent Trends and Forecasting Challenges
1245	Titike	Bahaga	ECR	IGAD Climate Prediction and Applications Centre (ICPAC)	KENYA	Interannual to decadal teleconnections and physical mechanisms influencing seasonal rainfall in the Greater Horn of Africa.
1441	Simona	Bordoni	Senior	University of Trento	ITALY	Monsoon precipitation biases in storm-resolving NextGEMS Earth System Models
1345	Aditi	Deshpande	MCR	Savitribai Phule Pune University	INDIA	The Synoptic Regimes Responsible for the Dominant Rainfall Patterns During the Indian Summer Monsoon
441	Avijit	Dey	ECR	Indian Institute of Tropical Meteorology (IITM)	INDIA	The intraseasonal fluctuation of Indian summer monsoon rainfall and its relation with monsoon intraseasonal oscillation (MISO) and Madden Julian oscillation (MJO)
1464	Ayantika	Dey Choudhury	MCR	Indian Institute of Tropical Meteorology	INDIA	Unravelling the associations between rainfall intensification over Western India and Indian Ocean Dipole in a warming climate
1478	Ayantika	Dey Choudhury	MCR	Savitribai Phule Pune University	INDIA	Understanding the precipitating cloud systems that led to the devastating floods over Pakistan during the 2022 summer monsoon
1188	Danni	Du	ECR	University of Colorado Boulder	USA	A potential pathway for the western tropical Pacific to modulate the Indian summer monsoon subseasonal anomalies
368	Kalli	Furtado	Senior	Met Office	UK	Why is the Asian Monsoon systematically biased in the Met Office's Unified Model?
1455	Rohit	Ghosh	ECR	University of Reading	UK	Strengthening tropical Pacific zonal temperature gradient linked with increasing West Indian Monsoon rainfall
75	Virendra	Goswami	Senior	Environment and Peace Foundation	INDIA	High Resolution Satellite (Polar & Sun-Synchronous) Study of Cloud Clusters Over the Monsoon Areas Of South-East Asian & African Regions To Develop Numerical Monsoon Prediction Model(NMPM).

988	Alice	Grimm	Senior	Universidade Federal do Parana	BRAZIL	Changes in the South American monsoon phases under El Niño–like future warming
411	Kieran	Hunt	ECR	University of Reading	UK	The future of low-pressure systems in the Indian monsoon
1624	Kieran	Hunt	Senior	University of Reading	UK	Non-linear intensification of monsoon low-pressure systems by the BSISO
173	Pankaj	Kumar	MCR	Indian Institute of Science Education and Research Bhopal	INDIA	A Regional Earth System Modelling framework for Monsoon studies over CORDEX-SA region
1311	Paul	Kushner	Senior	University of Toronto, Department of Physics	CANADA	A boundary-condition process hierarchy reveals the effects of anthropogenic aerosols on monsoonal climate
1054	June Yi	Lee	Senior	Research Center for Climate Sciences, Pusan National University	REPUBLIC OF KOREA	Boreal Summer Intraseasonal Oscillation: Propagation, Interannual Variability, and Impacts on Extremes
312	Gill	Martin	Senior	Met Office	UK	Understanding the development of systematic errors in the Asian summer monsoon
1056	Arathy	Menon	MCR	Met Office, Exeter	UK	Processes driving the diurnal cycle of orographic precipitation and monsoon rainfall modes over the west coast of India in the Met Office Unified Model
1349	Paul-Arthur	Monerie	MCR	University of Reading	UK	Uncertainty in future changes in Sahel precipitation: a role of the warming of the North Atlantic and Euro-Mediterranean areas
982	Ajaya	Ravindran	Senior	Abu Dhabi Polytechnic, Insitute of Applied Technology	UNITED ARAB EMIRATES	Atlantic Zonal Mode: An emerging source of Indian summer monsoon variability in a warming world
558	Michelle	Simões Reboita	MCR	Universidade Federal de Itajubá	BRAZIL	Weather and Climate of South America: a Review
80	Friday	Tomvie	MCR	Nigerian Meteorological Agency	NIGERIA	Understanding the association between precipitation bias and cloud bias over Africa's core monsoon transect in Climate Models
1617	Andrew	Turner	Senior	University of Reading	UK	The effects of climate change on the global and regional monsoons
1610	Andrew	Turner	Senior	University of Reading	UK	Mid-Latitude Controls on Monsoon Onset and Progression (the MiLCMOP project)
432	Ramesh Kumar	Yadav	MCR	Indian Institute of Tropical Meteorology, Pashan, Pune-411008, India	INDIA	Relationship between Azores High and Indian summer monsoon
853	Dapeng	Zhang	ECR	Nanjing Unverisity of Information Science and Technology	CHINA	The Interdecadal Variation in the South Asian High and Associated Mechanism

PC07 - Advances in monsoon science & prediction: Theory, observations, modelling & climate services

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
830	Emmanuel	Audu	ECR	University of Nebraska-Lincoln, Lincoln, Nebraska	USA	Understanding the Zonal Variability in CMIP6 Projections of Sahelian Precipitation
1772	Rhituja	Bhorade	ECR	Department of Atmospheric and Space Sciences, Savitribai Phule Pune University, Pune	INDIA	SST-Convection relationship during MJO and MISO
1216	Swagatika	Chakra	ECR	Physical Research Laboratory, Ahmedabad, India	INDIA	Contrasting trends in rainfall climatology between South Peninsula & Northeast India
678	Lekshmi	M. S.	ECR	Indian Institute of Tropical Meteorology	INDIA	Future Changes of Indian Summer Monsoon in CMIP6 Projections
740	Sukumaran	Sandeep	MCR	Indian Institute of Technology Delhi	INDIA	Dry air intrusion over India during the summer monsoon in observations and CMIP6 simulations
1186	Sherly	Shelton	ECR	Department of Earth and Atmospheric Sciences, University of Nebraska – Linco	USA	Role of Oceanic Moisture Sources and Transport in the Seasonal and Interannual Variability of the Indian Winter Monsoon Rainfall over Tropical Island
981	Thea	Turkington	MCR	Centre for Climate Research Singapore	SINGAPORE	A Regional Monsoon Index for Southeast Asia

S27-B - Hazards and Extreme events

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
508	Hadisu Bello	Abubakar	ECR	University of the Witswatersrand	SOUTH AFRICA	The spatiotemporal trend of Extreme precipitation events for the period between 1961-2021 over the Enkangala Escarpment of South Africa
1161	Philipp	Aglas-Leitner	Senior	Climate Change Research Centre, UNSW Sydney	AUSTRALIA	Recent extreme heatwaves dwarfed by projected future events
754	Sodiq	Alimi	ECR	University of the Free State	SOUTH AFRICA	Integrated geospatial approach to floor-risk mapping in Ilorin and its environs, Western Nigeria
755	Sodiq	Alimi	ECR	University of the Free State	SOUTH AFRICA	Flood vulnerable zones mapping using geospatial techniques: Case study of Osogbo Metropolis, Nigeria
1162	Fabrice Blanchard	Allechy	ECR	University Felix Houphouet Boigny	CÔTE D'IVOIRE	Future projections of extreme temperature events in the lobo river's watershed (west-central of Côte d'Ivoire)
837	Brian	Ayugi	ECR	Seoul National University of Science and Technology	REPUBLIC OF KOREA	Projected changes in extreme climate events over Africa under 1.5°C, 2.0° and 3.0°C global warming levels based on CMIP6 models
1779	Shibin	Balakrishnan	MCR	India Meteorological Department	INDIA	Extremely heavy rainfall signatures over Chennai during 2022-An observational approach
305	Diarra	Doukoro	ECR	WASCAL	MALI	Drought monitoring and assessment of climate parameters variability in koutiala and san Districts in Mali
96	Mohamed	Fofana	ECR	WASCAL	MALI	Urban flash flood and extreme rainfall events trend analysis in Bamako, Mali
431	Naresh	Ganeshi	ECR	Indian Institute of Tropical Meteorology	INDIA	SOIL MOISTURE REVAMPS THE TEMPERATURE EXTREMES IN A WARMING CLIMATE OVER INDIA
220	Bassirou	Hassane	ECR	WASCAL	TOGO	Mapping flood risk using sentinel -1 data: a case study of Niamey, Niger
159	Vedaste	Iyakaremye	ECR	Rwanda Meteorology Agency	RWANDA	Increased high-temperature extremes and associated population exposure in Africa by the mid-21st century
679	Shiromani	Ja	MCR	Department of Meteorology	SRI LANKA	Predictability of extreme rainfall event using ECMWF Extreme Forecast Index

						Case Study : Heavy Rain event in Sri Lanka from 01st to 03rd August 2022
318	Md. Humayain	Kabir	ECR	Institute of Forestry and Environmental Sciences, University of Chittagong	BANGLADESH	Extreme flood events in the global south: the necessity of open science and international collaboration
166	Ananya	Karmakar	ECR	India Meteorological Department	INDIA	Indian Extreme Rainfall Events frequency in different climatological epochs
1666	Djan'na	Koubodana Houteta	ECR	African Institute for Mathematical Sciences (AIMS) of Rwanda	RWANDA	Flood Risk Scenarios and using new CMIP6 multi-ensemble climate model over Africa
471	Nema	Ma-lyse	ECR	University of Felix Houphouet Boigny	CÔTE D'IVOIRE	To assess the local perception and adaptation strategies to landslide occurrence in the Kivu catchment of Rwanda
375	Annika	Maniram	ECR	LSCE	SOUTH AFRICA	The Impacts of Drought on the Rural Communities of Msinga in Kwa-Zulu Natal, South Africa
1019	Sakshi	Mankotia	ECR	University of Kwa-Zulu Natal	INDIA	Identification and Mapping of Potential Glacial lake Outburst Flood (GLOFs) in Suru Basin, Ladakh India
1028	Mohau	Mateyisi	MCR	Jamia Millia Islamia University	SOUTH AFRICA	Spatio-temporal trends of the characteristics of temperature extremes and their impacts on photovoltaic potential: South Africa case study.
712	Bernard	Hakizimana	MCR	Smart Geospatial Media	RWANDA	Towards an Intelligent and adapted small scale landslides monitoring system in East Africa
1114	Shingirai	Nangombe	ECR	University of Sussex	SOUTH AFRICA	Climate change attribution of the 2018 early summer drought over South Southern Africa
1199	Navoda	Ranasinghe	ECR	Council for Scientific and Industrial Research	SRI LANKA	Geospatial applications for the analysis of socioeconomic impacts due to flood risk in Ratnapura district in Sri Lanka
94	Prof. Amila	Ratnayake	MCR	Uva Wellassa University	SRI LANKA	Evidence of paleo-tsunami deposits along the east coast of Sri Lanka (the Indian Ocean)
189	Sarah	Roffe	ECR	University of Graz	SOUTH AFRICA	Summer-time heat stress patterns across southern Africa for 1979-2021: climatology, temporal trends and interannual variability patterns
196	Ebenezer	Siabi K.	ECR	Council for Scientific and Industrial Research	GHANA	Quantifying the narratives: Extreme climate assessment under the Shared Socio-economic Pathway scenarios in Greater Accra
900	Hrishikesh	Singh	ECR	Indian Institute of Technology Roorkee	INDIA	Can Regional Climate Models represent flood hazards at regional scales?: Attributing performance through global flood models over a data-scarce flood-prone region in India

1539	Harvir	Singh	ECR	LSCE-IPSL	INDIA	Assessing the Skill and Robustness of Features-based Verification Techniques for Heatwave Predictions in India
264	Agnessa	Tadouna	ECR	Uva Wellassa University	TOGO	Assessment of the GPM IMERG precipitation product for monitoring of extreme wet and dry events over Togo
1009	Dev Anand	Thakur	ECR	Indian Institute of Technology Roorkee	INDIA	An Amalgamated Approach to quantify Climate Change Impacts on Flood Risk - Utilisation of RCMs for Efficient Flood Management at Regional Scale
1088	Wanjiru	Thoithi	ECR	Agricultural Research Council	SOUTH AFRICA	The contribution of mesoscale weather systems to extreme rainfall over the coast of southeastern Africa: The April 2022 event
1477	Snehlata	Tirkey	MCR	Institut Pierre-Simon Laplace (IPSL)	INDIA	An effective forecast diagnostic for predicting extreme rainfall events: A statistics based approach
415	Sitraka Nandrianina	Tolojanahary	ECR	Department of Earth Sciences, Uppsala University, Uppsala	SOUTH AFRICA	Improvement of tropical cyclone rapid intensification prediction with machine learning
1208	Vaibhav	Tripathi	ECR	Indian Institute of Technology Roorkee (IITR)	INDIA	Employing CORDEX-RCMs for augmenting the performance of Geomorphic Flood Descriptors over large flood-prone and ungauged watersheds
1014	Vishveshwar	Tukaramshirsath	ECR	Indian Institute of Technology Roorkee	INDIA	Identifying Nuisance flood risks by aggregating hazard and vulnerability dimensions over a severely flood-prone urbanized catchment in India
1234	Elisabeth	Vogel	ECR	Water Research Centre, University of New South Wales	AUSTRALIA	The impact of hot and dry compound events on agricultural production in Australia
669	Ashvin	Wickramasooriya	MCR	Climate Service Center Germany (GERICS), Helmholtz-Zentrum Geesthacht	SRI LANKA	Flood forecast using river gauge heights at Ratnapura in Kalu river basin, Sri Lanka

S18 - Current and future forcing, including aerosols and scenarios

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1265	Cheng	Gong	ECR	Max Planck Institute for Biogeochemistry	GERMANY	Global net radiative forcing induced by anthropogenic reactive nitrogen
1709	Tomáš	Halenka	Senior	Charles University	CZECH REPUBLIC	Non-CO2 forcers and their climate, weather, air quality and health impacts – project FOCI
553	Franklin	Opijah	Senior	University of Nairobi	KENYA	Simulated Effect of Stratospheric Aerosol Intervention on Climate over Eastern Africa
1281	Chris	Smith	ECR	University of Leeds	UK	Towards annual updates of historical and near-future radiative forcing and global warming projections

PC25 - Towards more inclusive future climate scenarios

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
395	Felix Kwabena	Donkor	ECR	University of Education	GHANA	Inclusivity in future climate scenarios: An opportunity to Leave No One Behind
1172	Felix Kwabena	Donkor	ECR	University of Education-Winneba	GHANA	Safe Landing Pathways

S26 - Mitigation scenarios including overshoot and climate intervention

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1648	Babatunde	Abiodun	Senior	University of Cape Town	SOUTH AFRICA	Potential impacts of stratospheric aerosol injection on drought risk managements over major river basins in Africa
394	Adeniyi Philip	Adebule	ECR	University of KwaZulu-Natal	SOUTH AFRICA	Exploring the Potential of Microbial Fuel Cells to Convert Organic Waste into Sustainable Energy: A Climate Change Mitigation Strategy
1392	Samuel	Akande	ECR	Federal University of Technology Akure	NIGERIA	Enhancing Societal Resilience against Extreme Events and Multi-Hazards along West Africa's Coasts
340	Anna-Adriana	Anschütz	ECR	Leibniz Institute for Baltic Sea Research	GERMANY	Risks and benefits of ocean alkalinity enhancement in the Baltic Sea according to in-silico experiments
1031	A. T.	Archibald	MCR	University of Cambridge	UK	Earth system impacts of a plausible near-term climate overshoot scenario
1503	Rhoda	Ayedun	ECR	University of Cape Town	SOUTH AFRICA	Potential impacts of stratospheric aerosol geoengineering on maize yield in Africa
933	Frédéric	Bonou	MCR	IRHOB/ UNSTIM	BENIN	Impact of Stratospheric Aerosol Geoengineering Injection on Marine Biogeochemistry Parameters in Gulf of Guinea
230	Mouto	Crespin	ECR	WASCAL	BENIN	Green Buildings Model For Climate Change Adaptation And Mitigation In Urban Areas of Benin: Natitingou And Parakou
1460	Andrea	Dittus	ECR	University of Reading	UK	Regional impacts of climate stabilisation across multiple global warming levels
1512	Temitope Samuel	Egbebiyi	ECR	University of Cape Town	SOUTH AFRICA	Potential Impact of Stratospheric Aerosol Geoengineering on C3 Crops Suitability in West Africa
994	Carla	Gulizia	MCR	Centro de Investigaciones del Mar y la Atmósfera (CIMA/CONICET-UBA)	ARGENTINA	Changes in the mean and extreme South American climate under a stratospheric aerosol injection strategy
1112	Matthew	Henry	ECR	University of Exeter	UK	Comparison of UKESM1 and CESM2 simulations using the same multi-target stratospheric aerosol injection strategy
702	Peter	Irvine	MCR	UCL	UK	Managing temperature overshoot with solar geoengineering could shorten it by decades

1303	Hannah	Jose	ECR	University of the Philippines Los Banos	PHILIPPINES	Identifying outliers among ensembles of global climate models and selecting appropriate models for meteorological projections over Laguna lake, Philippines
1409	Andreas	L. S. Meyer	ECR	University of Cape Town	SOUTH AFRICA	Temperature overshoot disproportionately threatens endemic island vertebrates
1407	Andreas	L. S. Meyer	ECR	University of Cape Town	SOUTH AFRICA	Quantifying the impacts of solar radiation modification on biodiversity exposure to climate change
1024	Keane Carlo	Lomibao	ECR	University of the Philippines Los Baños Interdisciplinary Studies Center for Water	PHILIPPINES	Evaluation of different bias correction and downscaling methods for precipitation under solar radiation management scenarios in Laguna Lake, Philippines
772	Nkanyiso	Mlalazi	ECR	Wits University	SOUTH AFRICA	Phytoremediation of mine tailings and mine footprint using Chrysopogon zizanioides L Roberts enhanced with moringa leaf extract biostimulant: A sustainability Initiative
970	Romaric	Odoulami	ECR	African Climate and Development Initiative, University of Cape Town	SOUTH AFRICA	Risk to precipitation and temperature extremes under solar geoengineering
600	Godwin	Ayesiga	MCR	Uganda National Meteorological Authority	UGANDA	The Impacts of SRM on Seasonal and Intra-seasonal Climate Variability over East Africa
1667	Bosede Ruth	Olagbegi	ECR	Centre for Sustainable Agriculture, University of the Free state	SOUTH AFRICA	Effects of geoengineering intervention on livestock production in Southern Africa
1625	Olumuyiwa Ayotunde	Oloniyo	ECR	University of Cape Town, Cape Town,	SOUTH AFRICA	Using stratospheric aerosol geoengineering to reduce impacts of global warming on heatwaves in Africa
1251	Jörg	Schwinger	Senior	Bjerknes Centre for Climate Research, Bergen	NORWAY	Emit now, mitigate later? Simulating the Earth system response to zero and negative emissions Poster not presented during the online session
387	Michelle	Simões Reboita	MCR	Universidade Federal de Itajubá	BRAZIL	Response of the Southern Hemisphere Extratropical Cyclone's Climatology to the Solar Radiation Management
1313	Budz	Tejada	ECR	School of Environmental Science and Management, University of the Philippines Los Baños	PHILIPPINES	Future Projections of Reference Crop Evapotranspiration using Machine Learning Techniques under G6Solar and G6Sulfur Experiments in Laguna, Philippines
1753	Matthew	Williams	ECR	Physics Department, University of the West Indies, Mona	JAMAICA	Effects of GeoMIP G4 solar radiation modification on future variable renewable energy resources in the Caribbean

S35 - Mind the gap - value of GCMs/ESMs in actionable climate information contexts

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1547	Polina	Khapikova	ECR	California Institute of Technology	USA	Global bias corrected and downscaled projections of humid heat stress
465	Paul	Limbu	ECR	University of Dar es Salaam	UNITED REPUBLIC OF TANZANIA	Enhanced influence of the Walker Circulation Cell on OND rainfall over Tanzania under decadal Indo-Pacific SST warming
1092	Peter	van Oevelen	Senior	George Mason University	USA	From Data to Knowledge to Action in the Context of the GEWEX Regional Hydroclimate Projects

S08 - Ocean-atmosphere interactions: energy, water & carbon

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
156	Aicha	Berrada	ECR	Institut Agronomique et Vétérinaire Hassan II	MOROCCO	Dynamic of Canary current Upwelling System along the Moroccan Atlantic coast (20-36°N and 6-30°W)
1058	Alison	Cobb	ECR	Scripps Institution of Oceanography, UCSD	USA	The Effect of The Blob marine heatwave on a U.S. West Coast Atmospheric River and Downstream Precipitation
1660	Emilio	Concha	ECR	CENI, Université de Toulouse III, CERFACS/CNRS, Toulouse	FRANCE	Chile El Niño in the Coupled Model Intercomparison Project: Characteristics and future projections
1207	Meghan	Cronin	Senior	NOAA Pacific Marine Environmental Laboratory	USA	The Observing Air-Sea Interactions Strategy (OASIS), a UN Ocean Decade programme
722	Clement	Dehondt	ECR	LSCE	FRANCE	Comparing different parameterizations of turbulent air-sea fluxes on the climate system and their mutual interactions
337	Apurva	Joshi	ECR	Indian National Centre for Ocean Information Services (INCOIS)	INDIA	Indian Ocean acidification and its driving mechanisms over the last four decades (1980–2019)
663	Hailong	Liu	MCR	Shanghai Jiao Tong University	CHINA	Variability of Barrier Layer in the Tropical Atlantic
1240	Tanya	Marshall	ECR	University of Cape Town	SOUTH AFRICA	Engaging emerging researchers in Surface Ocean - Lower Atmosphere Study (SOLAS) science
517	Olivier	Marti	Senior	Laboratoire des Sciences du Climat et de l'Environnement, LSCE/IPSL, CEA-CNRS-UVSQ	FRANCE	Time schemes at the ocean-atmosphere interface : diagnostics using a mathematically consistent Schwarz iterative method
1340	Sarah	Nicholson	ECR	Southern Ocean Carbon-Climate Observatory, CSIR	SOUTH AFRICA	Interrogating thermal biases in air-sea CO2 fluxes through top-down and bottom-up observational constraints
294	Maheswar	Pradhan	ECR	Indian Institute of Tropical Meteorology, Pune	INDIA	Improving Thermodynamic Air-Sea Interaction in Coupled Model: Impact on Monsoon Simulation
576	Celina	Rodrigues	ECR	Instituto Nacional de Pesquisas Espaciais (INPE)	BRAZIL	The climate variability of CO2 flux in the Southwest Atlantic Ocean

1551	Meenakshi	Sreejith	ECR	Indian National Centre for Ocean Information and services	INDIA	The southern Annular Mode Impacts on Indian Ocean Surface Waves
414	Ankur	Srivastava	ECR	Indian Institute of Tropical Meteorology Pune	INDIA	Role of the surface hydrological cycle in driving air-sea interactions and implications for predictability
874	Jianqi	Sun	Senior	Nansen-Zhu International Research Centre, Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Influence and prediction value of Arctic sea ice and tropical Pacific SST for spring Eurasian extreme heat events
1292	Brian	Ward	Senior	University of Galway	IRELAND	Direct observations of air-sea fluxes in the South African Benguela Upwelling System. Poster not presented during the online session
258	Shui	Yu	ECR	Nansen-Zhu International Research Center, Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Intraseasonal mode of East Asian trough anomalies in boreal winter and specific possible mechanisms

S20 - Impacts on land and marine ecosystems

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1352	Somayeh	Emami	Senior	University of Tabriz	IRAN	The role of the private sector in helping to restore Lake Urmia and its threats
849	Mohammed	Essa Shuralla	ECR	Werabe university	ETHIOPIA	Keywords: Determinants, Mendifa, wetland degradation
1654	Friederike	Fröb	MCR	Geophysical Institute, University of Bergen, and Bjerknes Centre for Climate Research	NORWAY	Reversibility of abrupt aerobic habitat loss
511	Smrati	Gupta	ECR	Indian Institute of Tropical Meteorology, Pune	INDIA	A comparative study on understanding the long-term variability in carbon sequestration of different biospheres over the Indian Region
616	Zaid	Haruna	ECR	CSIR-Water Research Institute	GHANA	Plastic waste pollution in Ghana: A case study in three landing beaches in Accra
1264	Felix	Paul	ECR	University of Uyo	NIGERIA	Climate Variability and Influent Streams in The Kwa Iboe River Basin of South-East Nigeria
495	Takalani	Phungela	ECR	Department of Water and Sanitation	SOUTH AFRICA	Implications of climate variability and seasonality on metal concentrations in surface water resources
283	Ibrahima	Pouye	ECR	WASCAL	TOGO	Topography, Slope and Geomorphology's Influences on Shoreline Dynamics along Dakar's Southern Coast, Senegal
1145	Milica	Predragovic	ECR	Centro de Ciências do Mar do Algarve	Portugal	Biodiversity exposure to projected climate change may compromise future marine protected areas resilience under business-as-usual scenario
143	Laban	Rotich	ECR	The Technical University of Kenya	KENYA	Effects of climate change on vegetation cover and wildlife population dynamics in Maasai Mara national reserve, Kenya

S21-B - Impacts on food security and water availability

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1259	Daniel	Abel	ECR	Institute of Geography and Geology, Julius-Maximilians University Wuerzburg	GERMANY	Impact of climate change on indices relevant for African agriculture deduced from GCMs and RCMs
1371	Samuel	Akande	ECR	Federal University of Technology Akure	NIGERIA	Integrating Behavioural Models with Geospatial Technology for Enhancing Water, Sanitation and Hygiene towards Environmental Sustainability in Sub-Saharan Africa
562	Areidy Aracely	Beltran	ECR	University of California Berkeley	USA	Global food self-sufficiency under climate change and sustainable irrigation expansion.
785	Jordi	Cerdà	ECR	University of València	SPAIN	Understanding food insecurity in Africa through data-driven causal inference methods.
1646	Davide	Cotti	MCR	United Nations University - Institute for Environment and Human Security	GERMANY	Using impact chains to capture the cross-systems complexity of drought risks and impacts
623	Namwinwelbere	Dabire	ECR	Université Abomey Calavi (UAC)	BENIN	Neural network and RandomForest approach for predicting water quality in Lake Nokoué in Benin West Africa
306	Diarra	Doukoro	ECR	WASCAL	MALI	Assessment of households' food security situation in Koutiala and San districts, Mali
317	Jerit	Dube	ECR	University of the Free State	SOUTH AFRICA	Afromontane communities in a changing climate: An analysis of climate change impacts on food security and water availability in QwaQwa
1623	Temitope Samuel	Egbebiyi	ECR	Department of Environmental and Geographical Science University of Cape Town, Cape Town,	SOUTH AFRICA	Impact of Climate Change on Cash Crops in sub-Saharan Africa under CMIP6 Models
628	Babacar	Faye	MCR	Université du Sine Saloum El Hadj Ibrahima NIASS, Kaolack	SENEGAL	Assessment of climate change impacts on major crop yields in Senegal (West Africa)
1250	Nick	Gutkin	ECR	Flemish Institute for Technological Research (VITO)	BELGIUM	Fusion of satellite and UAV methods to assess climate change impacts on agriculture at different scales
1591	Jörg	Helmschrot	Senior	Stellenbosch University	SOUTH AFRICA	Impact of climate extremes on dam operations and consequences for a forecast-driven dam management in Namibia

1797	Harison	Kipkulei	ECR	Leibniz Centre for Agricultural Landscape Research (ZALF)	GERMANY	Integrating Modelling and Earth Observation to assess the Impact of Climate Shocks on Cropping Systems in Kenya
1249	Mosima	Mabitsela	ECR	Stellenbosch	SOUTH AFRICA	Underutilised crops and climate-smart farming- climate change mitigating and adaptation
184	Achieford	Mhondera	ECR	University of Zimbabwe	ZIMBABWE	Vulnerability, citizen's climate science and the pursuit of a just transition to sustainable food and agriculture in Africa
1378	Miriam	Murambadoro	MCR	South African Weather Service	SOUTH AFRICA	Climate change extremes and their impacts on water and food security: Findings from Narok County, Kenya, and the Vhembe District in South Africa
370	Merishca	Naicker	ECR	University of KwaZulu-Natal	SOUTH AFRICA	An evaluation of climate change effect on community gardens crop production aimed at enhancing household food security in Dlangezwa, Umdoni Municipality.
213	Tsungai	Nkoma	ECR	University of Cape Town	SOUTH AFRICA	A Spatial Suitability Assessment of Maize and Tobacco in Response to Temperature and Rainfall Changes in Zimbabwe
1384	Jumoke	Ogunniyi	ECR	Faculty of Agriculture, University of Abuja	NIGERIA	Evaluation of soil enzymes and organic carbon responses to extreme moisture conditions in soils amended with animal manures
1359	Lia	Rapella	ECR	LMD-IPSL, École Polytechnique, Institut Polytechnique de Paris, CNRS	FRANCE	Modelling agrivoltaics in a climate perspective for a water-energy-food nexus analysis
208	Idrissa	Sawadogo	ECR	Joseph KI-ZERBO University	BURKINA FASO	Carbon stock potential and Allometric models for predicting fruit production of Anacardium occidentale L in the municipality of Ouessa, Burkina Faso
610	Lea	Schröder	ECR	University of Hamburg	GERMANY	Climate change impacts on land degradation and food security in shifting cultivation systems in mountainous terrain
87	Vera	Sham	ECR	ETH Zurich	SWITZERLAND	Triple effect system: Impact of polyploidization on stomata traits and photosynthesis in diploids, neopolyploids and evolved polyploid Arabidopsis arenosa
1295	Conceptor	Siafwanzya	ECR	University of Zambia	ZAMBIA	Challenges and opportunities of water supply and sanitation in unplanned settlements of Monze urban, southern province Zambia

PC37 - Impacts of climate change on food security

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1215	Lydia	Frank	ECR	Central University of South Bihar	INDIA	Impacts of climate change variability on grain production in Botswana, Southern Africa
458	Mahamadou Lamine	Katile	ECR	WASCAL	MALI	Contributions of erosion control techniques for cultivated soils to climate change adaptation in soudano-sahelian area: case of Koulikoro-Mali
664	Temnotfo	Mncube	ECR	Stellenbosch University	SOUTH AFRICA	Temperature determines weed species distribution in smallholder crop-livestock farming landscapes
1462	Fiona	Spuler	ECR	University of Reading	UK	Identifying meteorological drivers of food insecurity at sub-seasonal to seasonal timescales: a case study using the household economy approach. Poster not presented during the online session
1777	Clemens	Wollny	Senior	INES-Ruhengeri	RWANDA	DESIGNING GOOD AGRONOMIC PRACTICES FOR GRAPES (Vitis) IN TROPICAL ENVIRONMENTS OF RWANDA
1719	Lourdes	Zapata	ECR	World Food Programme	ITALY	Leveraging climate risk data tools to inform social protection: PRISM (Platform for Realtime Impact and Situation Monitoring)

S28 - Regional information – Data and methods

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
455	Saran	Aadhar	ECR	IIT Jodhpur	INDIA	WAIN dataset: a large dataset of Watershed Attributes over India for hydrological studies
1421	Andressa	Andrade Cardoso	ECR	University of São Paulo, Institute of Astronomy, Geophysics and Atmospheric Sciences - IAG, Atmospheric Science department	BRAZIL	The selection of Global Climate Models based on the storyline approach to be downscaled over the South American domain Poster not presented during the online session
1231	Titike	Bahaga	ECR	Norwegian Computing Center	NORWAY	Probabilistic Rainy Season Onset Prediction over the Greater Horn of Africa based on Long-Range Multi-Model Ensemble Forecasts.
450	Hari Charan	Behera	MCR	Indian Statistical Institute	INDIA	COMMUNITY RESPONSES TO DRINKING WATER SUPPLY AND POTENTIAL FUTURE CHALLENGES: A SAMPLE STUDY WITHIN 10 MILES RADIUS OF GIRIDIH MUNICIAL CORPORATION, JHARKHAND, INDIA
1525	Rajesh	Kumar	MCR	National Center for Atmospheric Research	USA	Development of an air quality early warning system for eastern and southern Africa
1066	Grigory	Nikulin	Senior	Swedish Meteorological and Hydrological Institute (SMHI)	SWEDEN	High-resolution climate projections for the Mashreq region
356	Ribeiro	Rodrigo	MCR	Getulio Vargas Fundation	BRAZIL	A participatory analysis of drought impacts in rural communities: a case study in Brazil using historical climate data and social perception

PC29 - Good practices for making regional projections of weather and climate extremes

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
1802	Amna	Jrrar	MCR	Royal Scientific Society	JORDAN	Comparison of Projections of Extreme Precipitation Indices for Jordan From High-Resolution EURO-CORDEX and MSH Domain RCM Simulations
1425	Louis-Philippe	Caron	MCR	Ouranos	CANADA	Analysis of future severe water shortages in Quebec and their impacts through the use of storylines
752	Jacob	Coburn	ECR	Cornell University	USA	Characterizing Compound Hazards: The Case of Freezing Rain and Wind Gusts
1012	Marianela	Groppa	ECR	Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)	ARGENTINA	Futures changes in the joint extremes in variables of influence in the cultivation of the vine in the Cuyo region in Argentina
1209	Phuong Loan	Nguyen	ECR	Climate Change Research Centre, UNSW Sydney, Sydney, New South Wales	AUSTRALIA	Selecting regional climate models based on their skill could give more credible precipitation projections over the complex Southeast Asia region
1109	Camila	Prudente	ECR	Centro de Investigaciones del Mar y la Atmósfera (CIMA), CONICET—Universidad de Buenos Aires (UBA)	ARGENTINA	Interdisciplinary and cross-sectoral construction of flood alerts at the Matanza River Basin -Argentina-: A Community-Based Approach to Disaster Risk Management
1246	Wan-Ling	Tseng	MCR	National Taiwan University	TAIWAN, CHINA	Impact of Pacific–-Japan pattern on temperature and heatwave events in summer over Taiwan
1465	Wenxia	Zhang	ECR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Constraining extreme precipitation projections using past precipitation variability
1096	Xin	Zhou	ECR	Cornell University	USA	Contemporary and Future Extreme Windstorms in the Northeastern USA

S36 - Observations for decisions

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
451	Jörg	Klausen	Senior	Federal Office of Meteorology and Climatology MeteoSwiss	SWITZERLAND	Taking stock of observing capabilities for designing a pan-African atmospheric and climate research infrastructure (KADI): Lessons learnt from Kenya and best practices
139	Dimakatso	Machetele	ECR	University of Johannesburg	SOUTH AFRICA	Investigating Factors, and the Community's Perceptions of Unsafe Disposal of Household Solid Waste in Rural Communities: A Case Study of the Greater Tzaneen Municipality
1412	Daniel Gebreslassie	Mekonnen	ECR	University of Gondar	ETHIOPIA	Emotional Intelligence of Principals and Their School Leadership Effectiveness
1754	Mitchell	Odilli	ECR	Equitech Futures	USA	Measuring Carbon: Enabling Public Carbon Audits Using Satellite Data
138	Sayantika	Mukherjee	MCR	Amity University Kolkata	INDIA	Meta-heuristic ant colony optimization technique to forecast the amount of summer monsoon rainfall: skill comparison with Markov chain model
133	Sendhil	Ramadas	MCR	ICAR-National Dairy Research Institute	INDIA	Coping strategies for climate resilience in agriculture: Extent of adoption and intensity in the vulnerable regions of Maharashtra, India
1583	Will	Rynearson	MCR	Development Seed	USA	Using open source, easily configurable Earth Observation visualizations to connect the science community and policy makers

PC17 – How can the EO community support adaptation and mitigation for the UNFCCC Paris Agreement

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
792	Luciano	Pezzi	Senior	Instituto Nacional de Pesquisas Espaciais (INPE)	BRAZIL	Coordinated, sustainable Southern Ocean observations to support climate change mitigation and adaptation

PC18 - Global climate observations for adaptation to climate extremes

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
999	Margot	Bador	MCR	CECI CNRS-Cerfacs	FRANCE	FROGS: a daily 1°×1° gridded precipitation database of rain gauge, satellite and reanalysis products
1302	Antonio	Bombelli	Senior	University of Victoria, School of Environmental Studies, Victoria	CANADA	Exploiting the use of GCOS-ECVs for adaptation to forest wildfire
1285	Antonio	Bombelli	Senior	WMO - World Meteorological Organization, GCOS Secretariat	SWITZERLAND	Adequacy of global climate observations to best support adaptation to climate change: a GCOS perspective
1078	Samantha	Burgess	Senior	European Centre for Medium Range Weather Forecasts	GERMANY	The central role of climate reanalyses in the context of adaptation to climate change; the example of the Copernicus Climate Change Service **Poster not presented during the online session**
1803	Ali	Behrangi	Senior	University of Arizona	USA	The latest Global Precipitation Climatology Project Daily and Monthly products (Version 3.2): Summary and Comparisons
906	Regina	Rodrigues	Senior	Federal University of Santa Catarina	BRAZIL	GCOS Adaptation Task Team: Outcomes on Ocean Extremes

PC20 - Identifying and closing mountain climate observation gaps

ID	First Name	Last Name	Career stage	Institution	Country	Abstract title
530	Rob	Marchant	Senior	University of Namibia	NAMIBIA	Archetypes of Climate Change Adaptation across Africa's Mountains: a systematic review

Thursday 12 October

Morning (UTC)

Time	ThuAM_A	ThuAM_B	ThuAM_C	ThuAM_D	ThuAM_E
06:00 – 08:00 UTC	S05 S16 PC10	S09	S23	S32 PC40	PC23 PC24

Afternoon (UTC)

Time	ThuPM_A	ThuPM_B	ThuPM_C	ThuPM_D	ThuPM_E
15:00 – 17:00 UTC	S07 PC02	S10	S25	S30	S31 S33 PC36

06:00 - 08:00 UTC | Thursday, 12 October 2023 | Poster session ID: ThuAM_A

S05 - Polar processes and change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
888	Manuel Tobias	Blau	ECR	Center for Climate Physics, Institute for Basic Science	REPUBLIC OF KOREA	What caused extreme temperature events over the northern polar region – a feedback attribution
1206	Jaime	Fernando António	ECR	Center for Weather Forecasting and Climate Studies, National Institute for Space Research	BRAZIL	SIE extreme events in the Ross Sea region and their effects on the South American and African weather conditions
568	Vivek	Kumar	ECR	Polar Meteorological Research Division, India Meteorological Department	INDIA	Assessing the Reliability of Reanalysis Datasets in the Antarctic Environment: An Analysis of Observed data with ERA5 and MERRA2
1324	Paul	Kushner	Senior	University of Toronto, Department of Physics	CANADA	Sea-ice loss experiments with earth-system models are wrong. Are they useful?

S16 - Ice sheets and sea level change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1799	Maya	Willard-Stepan	ECR	Earth and Planetary Sciences, McGill University	CANADA	Losing Oceanfront: an impact assessment of sea level rise on coastal infrastructure

PC10 - Current and near-term variability and trends in the Antarctic climate system

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1288	Ariaan	Purich	ECR	Monash University	AUSTRALIA	The CLIVAR/CliC/SCAR Southern Ocean Region Panel (SORP) - A platform of Southern Ocean research
1298	Ariaan	Purich	ECR	Canadian Centre for Climate Modelling and Analysis, Environment and Climate Change Canada	CANADA	The Southern Ocean Freshwater release model experiments Initiative (SOFIA): Scientific objectives and experimental design

S09 - Interactions between atmospheric composition and climate, including aerosol processes

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1277	Julius	Akinyoola	ECR	Federal University of Technology, P.M.B 704,Akure	NIGERIA	Dynamic contribution of aerosols instatanous radiaitve forcing to global warming
1035	Dr A. T.	Archibald	MCR	University of Cambridge	UK	Atmospheric composition and climate impacts of a future hydrogen economy
1473	Faith	February	ECR	University of Cape Town	SOUTH AFRICA	Differences in aerosol types based on observations of natural aerosol processes in False Bay, South Africa
646	Marina	Friedel	ECR	ETH Zurich	SWITZERLAND	Consequences of Arctic ozone depletion and recovery for surface climate
65	Nasim	Hamzeh	ECR	Air and Climate Technology Company (ACTC)	IRAN	Investigation of wind regime in the second dried lake bed dust source in Iran
1381	Nana Ama Browne	Klutse	MCR	University of Ghana	GHANA	Solar Radiation Management with Stratospheric Aerosol interactions with Harmattan and associated potential impacts on temperature over West Africa
902	Ayassou	Koffi	ECR	Université de Lomé	TOGO	Evolution of ozone above Togo during the1979-2020
1169	Young-Joo	Kwon	ECR	Korea Advanced Institute of Science and Technology	REPUBLIC OF KOREA	The monitoring of reservoir storage change using various satellite remote sensing data
62	Fabien Idrissa	Nkurunziza	ECR	University of Rwanda (UR)	RWANDA	Investigating the mechanisms driving the seasonal variations of surface PM2.5 concentrations over East Africa with the WRF-Chem model
63	Fabien Idrissa	Nkurunziza	ECR	University of Rwanda (UR)	RWANDA	Investigating the impacts of Nyamuragira Volcano eruption of 2006 on regional weather over the Congo Basin with the WRF-Chem model
92	Bhupendra Bahadur	Singh	ECR	Indian Institute of Tropical Meteorology	INDIA	Upper tropospheric water vapor variability over the Asian Summer Monsoon region in a warming climate
1586	Matthias	Stocker	ECR	Wegener Center for Climate and Global Change, University of Graz	AUSTRIA	Stratospheric impacts of the 2022 Hunga-Tonga-Hunga-Ha'apai eruption observed by radio occultation measurements
1027	Fadia	Sumreen	ECR	University of Punjab	PAKISTAN	Effects of Aerosols in two big cities
1792	Susann	Tegtmeier	MCR	University of Saskatchewan	CANADA	Disentangling dynamical and chemical drivers of stratospheric trace gas trends

06:00 - 08:00 UTC | Thursday, 12 October 2023 | Poster session ID: ThuAM_C

S23 - Circulation change in the climate system (atmosphere and ocean)

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
620	Chaim	Garfinkel	MCR	Hebrew University of Jerusalem	ISRAEL	Impact of parameterized convection on the storm track and jet stream response to global warming: implications for mechanisms of the future poleward shift
507	Debasis	Mahapatra	Senior	NCMRWF	INDIA	Ocean Surface Forcing from AGCM: Medium Range Systematic Errors for Monsoons
323	Thabang	Maphanga	ECR	Cape Peninsula University of Technology	SOUTH AFRICA	The long term influence of El Niño–Southern Oscillation on water quality in South Africa's Crocodile River
1733	Amanda	Maycock	MCR	University of Leeds	UK	Model diversity in multidecadal NAO variability explained by stratosphere-troposphere coupling
1202	Tim	Raupach	ECR	UNSW Sydney	AUSTRALIA	Recent changes in hailstorm-prone conditions in Australia

S32 - Capacity development for climate services

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1461	Luiza	Amancio	ECR	University of São Paulo (USP)	BRAZIL	Ocean and climate science literacy empowering citizenship and socio-environmental advances
1410	Pablo	Borges de Amorim	MCR	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	BRAZIL	Benefits from a short-duration virtual training on Climate Risks and Adaptation for the implementation of the National Adaptation Plan in Brazil. Not presented during the online session.
1181	María Inés	Carabajal	ECR	National Scientific and Technical Research Council (Conicet)	ARGENTINA	Co-production of knowledge in interaction: The National Meteorological Service of Argentina and its inter/transdisciplinary collaborative networks
739	Denyse S.	Dookie	ECR	Grantham Research Institute on Climate Change and the Environment/London School of Economics and Political Science	UK	Perspectives on climate information use in the Caribbean
1621	Nicole	Herman-Mercer	MCR	U.S. Geological Survey - Department of Interior	USA	Using a knowledge co-production framework to develop climate data and information that is useful and useable for Arctic Indigenous communities
798	Subhamuthu	Kumar	MCR	Indian Institute for Human Settlements	INDIA	Paradigm shifts : Building regional guidance and capacity development action plan for climate resilience and water security in Ramanathapuram district, Tamil Nadu, India
1055	María Eugenia	Pérez de Mendiola	ECR	Facultad de Ciencias Astronómicas y Geofísicas (UNLP)	ARGENTINA	Characterization of wet and dry periods over southern South America

PC40 - Climate services in the Global South

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
202	Syed Ahsan	Ali Bokhari	ECR	Pakistan Meteorological Department	PAKISTAN	Strengthening climate services in Pakistan: learning from prototype climate service in China

1581	Jörg	Helmschrot	Senior	Stellenbosch University	SOUTH AFRICA	An assessment of observational and forecasting infrastructure and Early Warning Systems in southern Africa and its implications for improving hydro-meteorological services
629	Roché	Mahon	MCR	Caribbean Institute for Meteorology and Hydrology	BARBADOS	Co-producing climate services in the Global South: Successes, challenges and lessons learnt from Caribbean small island developing states
890	Simon Peter	Muwafu	ECR	Climate Service Center Germany	GERMANY	Co-Produced Climate Services for Locally Led Adaptation in the Global South
641	Anna	Sorensson	MCR	Centro de Investigaciones del Mar y la Atmósfera	ARGENTINA	A bottom-up approach to climate services from the Global South: the My Climate Risk CONICET Argentina Hub

PC23 - Earth System models for the future

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
617	John	Dunne	MCR	NOAA/OAR/GFDL	USA	The GFDL Earth System Model version 4.2 (GFDL-ESM4.2): Model description and simulation characteristics
1323	Gerd	Folberth	Senior	Met Office Hadley Centre, Exeter	UK	Exploring potential future methane mitigation strategies with the emission-driven UK Earth system model UKESM1-ems
469	Birgit	Hassler	MCR	Institute of Atmospheric Physics/German Aerospace Center	GERMANY	Comprehensive and rapid benchmarking of Earth system models with ESMValTool
1085	Masa	Kageyama	Senior	LSCE/IPSL	FRANCE	Introducing the French national programme TRACCS: TRAnsformative Advances in Climate modelling for Climate Services
365	Torben	Koenigk	Senior	SMHI	SWEDEN	EU-HORIZON Project OptimESM - Optimal High-Resolution Earth System Models for Exploring Future Climate Changes
1788	Jane	Mulcahy	MCR	Met Office	UK	Progress and plans towards UK Earth System Model version 2 (UKESM2)
1305	Saloua	Peatier	ECR	CERFACS/CECI	FRANCE	Climate model tuning : parametric dependance of climate feedbacks
826	Roland	Seferian	MCR	Météo France	FRANCE	How the ESM2025 project will deliver a novel generation of Earth system models
805	Robin	Smith	Senior	National Centre for Atmospheric Science	UK	Initialising ice sheet model states for use in Earth System Model Preindustrial and Historical simulations

PC24 - MEXT program for the advanced studies of climate change projection (SENTAN)

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1050	Nagio	Hirota	MCR	National Institute for Environmental Studies	JAPAN	Development of MIROC7: Mean states, variability, and climate sensitivity
1267	Yu	Kosaka	MCR	Research Center for Advanced Science and Technology, the University of Tokyo	JAPAN	Attributing and understanding climate changes and extremes

705	Michio	Kawamiya	Senior	JAMSTEC	JAPAN	Advanced studies of climate change projection – Area Theme 2: Biogeochemical modeling and climate simulations for carbon budget assessment
937	Irina	Melnikova	ECR	Earth System Division, National Institute for Environmental Studies (NIES)	JAPAN	Assessing carbon cycle projections from simple and complex models under SSP scenarios
1580	Takashi	Mochizuki	Senior	Kyushu University	JAPAN	Atlantic impacts on subdecadal warming over the tropical Pacific in the 2000s
565	Masato	Mori	MCR	Research Institute for Applied Mechanics, Kyushu University	JAPAN	Towards a better understanding of Arctic climate change and its consequences – the activities of the SENTAN project –
1185	Nobuhito	Mori	Senior	Kyoto University	JAPAN	Climate change impact assessments of natural hazards based on large-ensemble projections
1722	Tomoko	Nitta	Senior	The University of Tokyo	JAPAN	Design and Development of Integrated Land Simulator (ILS)
774	Izuru	Takayabu	Senior	MRI	JAPAN	Introducing the research area 3 of SENTAN program - Promoting research for a national climate change scenario -

S07 - Atmosphere-land interactions

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
400	Boubou	BAGRE	ECR	Doctoral Research Program in Climate Change and Energy, Université Abdou Moumouni (WASCAL-DRP-CCE)	NIGER	Dynamic performance analysis of parabolic trough collector under Agadez climate conditions using a vegetable oil as heat transfer fluid: case of jatropha Curcas oil
649	Lucía M	Cappelletti	ECR	Universidad de Buenos Aires (UBA), Facultad de Ciencias Exactas y Naturales (FCEyN)	ARGENTINA	Surface soil drying to explore flooding and waterlogging conditions over agricultural plains
1354	Mohan Kumar	Das	MCR	National Oceanographic And Maritime Institute (NOAMI)	BANGLADESH	Investigation of Synoptic Flow Patterns and Tropospheric Conditions Associated with Flash Floods using the WRF Model
920	Mingshan	Deng	ECR	Chinese Academy of Science	CHINA	Impact of climatic and vegetation dynamic change on runoff over the Three Rivers Source Region based on the Community land model
1419	Kirsten	Findell	Senior	UCLA, Atmospheric and Oceanic Sciences	USA	Coherent mechanistic patterns of terrestrial hydroclimatic change (or understanding land-atmosphere feedbacks in different climate regimes)
273	Donglin	Guo	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Local changes in snow depth dominate the evolving pattern of elevation-dependent warming on the Tibetan Plateau
1771	Warren	Joubert	MCR	South African Environmental Observation Network	SOUTH AFRICA	The Expanded Freshwater and Terrestrial Environmental Observation Network (EFTEON): development of research infrastructure in South Africa
1596	Leonore	Jungandreas	ECR	University Leipzig, German Center for Biodiversity research	GERMANY	Cover Cropping as a mitigation strategy against weather extremes?
366	Thomas Felix	K.	ECR	Institute for Social and Economic Change	INDIA	Impact of agrifood systems on greenhouse gas (GHG) emissions- an econometric analysis
1599	Conni	Klein	Senior	UKCEH	UK	Changes in land surface effects on organised convection in a convection-permitting climate projection
1065	Luca	Maria	ECR	Max Planck Institut für Meteorologie	GERMANY	How do tropical land masses receive more rain than tropical oceans?

917	Xianhong	Meng	Senior	Northwest Institute of Eco-Environment and Resources, Chinese Academy of Science	CHINA	Keynote: Strong soil moisture-atmosphere interactions on the Tibetan Plateau and its behind energy mechanism
971	Colin	Price	Senior	Tel Aviv University	ISRAEL	Is Amazon deforestation decreasing the number of thunderstorms over Tropical America? Poster not presented during the online session
498	Francis Enagnon	Oussou	ECR	West African Science Service Center on Climate Change and Adapted Land-Use (WASCAL), Federal University of Technology Akure, Akure, Ondo State, Nigeria	NIGERIA	Improving the depth-to-bedrock maps for groundwater-to-atmosphere modeling in Africa
433	Avinash N.	Parde	ECR	Indian Institute of Tropical Meteorology, Pune	INDIA	"Simulating Different Types of Fog in the National Capital Region of India using High-Resolution Numerical Models with Land Data Assimilation"
1562	Daira Anahí	Rosales	ECR	Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Ciencias de la Atmósfera y los Océanos	ARGENTINA	Influence of anthropogenic changes on modelled evapotranspiration in South America.
429	Yuhei	Takaya	ECR	Meteorological Research Institute, Japan Meteorological Agency	JAPAN	A submonthly scale causal relation between snow cover and surface air temperature over the autumnal Eurasian continent
1274	Joshua	Talib	ECR	UK Centre for Ecology and Hydrology	UK	Surface drivers of sub-seasonal predictability across Africa
658	Andres	Tangarife-Escobar	ECR	Max Planck Institute for Biogeochemistry	GERMANY	Moisture and temperature effects on the radiocarbon signature of respired carbon dioxide to assess stability of soil carbon in the Tibetan Plateau
1375	Semeena	Valiyaveetil	Senior	UK Centre for Ecology and Hydrology	UK	Impact of Land Surface processes on afternoon convective initiation over West Africa – a case study using the MetOffice Global and Regional Ensemble Prediction System (MOGREPS)
260	Aihui	Wang	Senior	Institutue of Atmospheric Physics, Chinese Academy of Sciences	CHINA	The relative contribution of large-scale circulation and local soil moisture to summer precipitation over Asian mid-low latitudes

PC02 - Advances in understanding, observing, and modeling land-atmosphere interactions, from bedrock to boundary layer

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1426	Kirsten	Findell	Senior	GFDL/NOAA	USA	Accurate Assessment of Land-Atmosphere Coupling in Models Requires High Frequency Data Output
611	Dr Pushpender kumar	Gangwar	Senior	Department of Physics, Bareilly College, Bareilly	INDIA	Analysis of entropy production and increased temperature on shock propagation in dusty atmosphere

1602	Rebecca	Garland	Senior	Department of Geography, Geoinformatics and Meteorology, University of Pretoria	SOUTH AFRICA	Improving our understanding of the biogeochemical cycling of nitrogen and its impacts on ecosystems across South Africa Poster not presented during the online session
514	Kevin	Kenfack	ECR	University of Yaounde 1	CAMEROON	Assessment of uncertainties in reanalysis datasets in reproducing thermodynamic mechanisms in the moisture budget's provision in the Congo Basin
743	Gurriaran	Léna	ECR	LSCE	FRANCE	Projecting power demand and related CO2 emissions under climate change and quantifying the impact on climate
1079	Josna	Murmu	ECR	Central University of Jharkhand, Ranchi	INDIA	Simulation of land surface fluxes by NAOH LSM model over the Chota Nagpur Plateau region (Ranchi) in India
819	Peter	van Oevelen	Senior	George Mason University	USA	From Continental Scale Experiments (CSEs) to Regional Hydroclimate Projects (RHPs): New Paradigms for Water and Climate Research at the Regional Scale

S10 - Lessons from paleoclimate for recent and future climate change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1127	Cristiano	Chiessi	Senior	University of São Paulo	BRAZIL	Causes, patterns and consequences of millennial-scale changes in tropical South American precipitation
698	Christian	Laag	ECR	Université Paris Cité, Institut de Physique du Globe de Paris, CNRS	FRANCE	Quantitative paleoprecipitation estimates for the last 850 ky from the Pleven loess-paleosol sequence (Northern Bulgaria) using novel magnetic and colorimetric transfer functions
700	Christian	Laag	ECR	Université Paris Cité, Institut de Physique du Globe de Paris, CNRS	FRANCE	Mid-Brunhes Climate Transition and millennial-timescale climate change preserved in a 800 kyrs loess-paleosol sequence from the Suhia Kladenetz quarry (Pleven, Bulgaria): a multidisciplinary study
1110	Anna	Pienkowski	MCR	Adam Mickiewicz University	POLAND	The PAGES ACME Working Group - Arctic Cryosphere Change and Coastal Marine Ecosystems - linking past, present, and future
1118	Anna	Pienkowski	MCR	Adam Mickiewicz University	POLAND	Polar marine environments and ecosystems under a warming climate: recent deglacial records from the Antarctic Peninsula
927	Rima	Rachmayani	ECR	Bandung Institute of Technology (ITB)	INDONESIA	The Impact of Sea Surface Temperature on Sea Level Rise in Indonesian Waters During the Mid-Holocene and in the Future
918	Aradhna	Tripati	Senior	UCLA	USA	Observational Benchmarks for Temperature and Hydroclimates Derived from Carbonate Clumped Isotope Data, Past to Future
408	Ran	Zhang	MCR	Institute of Atmospheric Physics, Chinese Academy of Sciences	CHINA	Modeling the evolution of central Asian drylands during the Cenozoic
895	Feng	Zhu	ECR	National Center for Atmospheric Research	USA	A re-appraisal of the ENSO response to volcanism with paleoclimate data assimilation

S25 - Regional climate change

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
347	Alessandro	Dosio	Senior	European Commission Joint Research Centre	ITALY	What have I learnt about recent past and future precipitation over Africa? Daily precipitation characteristics from large ensembles of observational products and climate models . Poster not presented during the online session
1154	Worship	Ayodele-Makun	ECR	The Federal University of Technology Akure	NIGERIA	Impact of Projected Climate Change on Urban Thermal Comfort in Lagos and Kano
1119	Josefina	Blazquez	MCR	Faculty of Astronomical and Geophysical Sciences (FCAG-UNLP)	ARGENTINA	How affect the models' biases the climate change signal?
1659	Roelof	Bruintjes	Senior	Rwanda Meteorological Agency	RWANDA	Climate variability and multi-hazard early warnings systems in Rwanda
1142	Candice	Charlton	ECR	Depatment of Physics, The University of the West Indies Mona	JAMAICA	Evaluating skill of the Keetch–Byram Drought Index, Vapour Pressure Deficit and Water Potential for determining bushfire potential in Jamaica
1322	Erika	Coppola	MCR	The Abdus Salam International Centre for Theoretical Physics	ITALY	The most extreme rainfall within the European great alpine region: detection and sensitivity to the global warming
989	Alima	Dajuma	ECR	African Institute for Mathematical Sciences	RWANDA	Projections of heat stress and associated work productivity over Africa during the late 21st Century
998	Alima	Dajuma	ECR	African Institute for Mathematical Sciences	RWANDA	Climatology, interannual variability and significant trends based on multiple heat stress indicators in Africa
1630	Etse Yawo	Dzakpa	ECR	Wascal-UCAD	SENEGAL	Climate-economy relationship in West Africa: Role of renewable energy consumption.
416	Paul Gérard	Gbetkom	ECR	LEGOS, Université de Toulouse	FRANCE	Lake Chad vegetation cover and surface water variations in response to rainfall fluctuations under recent climate conditions (2000–2020)
1472	Neil	Hart	MCR	University of Oxford	UK	The decline of tropical-extratropical cloud bands in the Southern Hemisphere subtropics

735	Djan'na	Koubodana Houteta	ECR	African Institute for Mathematical Sciences	RWANDA	Spatiotemporal Analysis of Flood Events during Historical Period (1927-2020) in Africa
261	Amita	Kumari	ECR	Indian Institute of Science Education and Research Bhopal	INDIA	Evaluation and Future Projection of the Extreme Precipitation over India and its homogeneous regions: A Regional Earth System Model Perspective
1570	Daniela	Lima	ECR	Universidade de Lisboa, Faculdade de Ciências, Instituto Dom Luiz	PORTUGAL	An overview of impacts on means and extremes using a multi-variable constrained ensemble of regional climate projections under different scenarios for Portugal
135	Osman	Miah	ECR	Jahangirnagar University	BANGLADESH	Diurnal and Seasonal Variations of pCO2 and fluorescent Dissolved Organic Matter (fDOM) in Different Polluted Lakes
1466	Tall	Moustapha	ECR	African Institute for Mathematical Sciences	RWANDA	Drought variability, changes and hot spots across the African continent during the historical period (1928-2017)
1136	Tall	Moustapha	ECR	African Institute for Mathematical Sciences (AIMS)	RWANDA	Prolonged expansion of dryness conditions over Africa from historical to future periods (1925-2100): an analysis based on observations and simulations
183	Tatiana	Nimpa	ECR	The University of Yaounde I	CAMEROON	Analyses of weather variability and trends to asses the 2021 flood events in Yaounde, Cameroon (Central Africa)
49	Didier	Ntwali	ECR	African Institute for Mathematical Sciences	RWANDA	#N/A
1488	Alaka	Olawale	ECR	Nigerian Meteorological Agency	NIGERIA	The impact of human activities on climate change over some selected cities in Nigeria
1104	Kevin	Schwarzwald	ECR	Lamont-Doherty Earth Observatory of Columbia University	USA	Biases in simulations of the Horn of Africa long and short rains in global climate models and their implication for future rainfall changes
243	Nadia	Testani	ECR	Departamento de Ciencias de la Atmósfera y los océanos, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires.	ARGENTINA	Cloudiness decrease over Northeastern Argentina based on two lines of evidence: Surface Observations and Satellite-Derived Data
1416	Natalia	Zazulie	ECR	The Abdus Salam International Centre for Theoretical Physics	ITALY	Hot Spots of Global Temperature of Emergence of several Climatic Impact-Drivers (CIDs) for Africa

S30 - Uncertainties in climate projections: plausibility, possibility and probability

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1071	Suresh	Baral	ECR	School of Engineering, Pokhara University, Kaski	NEPAL	Assessing the Impact of Climate Change on Sediment Yield in the Fusre River Basin, Nepal Using the SWAT Model
1629	Juan Antonio	Fernandez de la Granja	ECR	Instituto de Física de Cantabria (IFCA), CSIC - Universidad de Cantabria	SPAIN	Global assessment of future changes in low-level circulation based on the Jenkinson–Collison weather type classification
811	Ben	Harvey	MCR	National Centre for Atmospehric Science	UK	Storylines for future changes of the North Atlantic jet and associated impacts on the UK
1318	Rachel	James	MCR	University of Bristol	UK	The SALIENT Research Programme: combining adaptation-led climate science and learning from psychology and risk communication to improve understanding of possible, plausible and probable futures
1495	Innocent	Masukwedza	ECR	University of Sussex	UK	Today’s risk of extreme events in US counties
924	Timothy	Naish	Senior	Victoria University of Wellington	NEW ZEALAND	INCORPORATING VERTICAL LAND MOVEMENTS INTO PROBABILISTIC SEA-LEVEL PROJECTIONS: THE NEW ZEALAND CASE.
1219	Kevin	Schwarzwald	ECR	Lamont-Doherty Earth Observatory at Columbia University	USA	Understanding the sources of climate uncertainty in projections of climate impacts

S31 - Climate knowledge co-production in a decision and policy context

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1368	Krishna	AchutaRao	Senior	Indian Institute of Technology Delhi	INDIA	ANTICIPATE: Reimagining preparedness for co-located climate extremes
1534	Richard	Balbuena Cano	Senior	Esperanza Community Housing	USA	GIS for community health
1011	Redemption	Chatanga	ECR	University of Free State	SOUTH AFRICA	Community participation in co-producing climate change policies: Case of Manonyane communities in Lesotho
984	Judith	DAGBE	ECR	Centre International de Recherche-Développement sur l'Élevage en zone Subhumide (CIRDES)	BURKINA FASO	Agropastoralism and climate change: perceptions and strategies of stakeholders in Koumbia and Nagréongo in Burkina Faso
1043	Leandro	Diaz	ECR	Centro de Investigaciones del Mar y la Atmósfera (CIMA), CONICET—Universidad de Buenos Aires (UBA)	ARGENTINA	Co-production of a week-2 rainfall probabilistic prediction tool for small farmers activities in southern South America
756	Houda	Er-Retby	ECR	University of Mohammed VI Polytechnic	MOROCCO	Moroccan green cities' effects on the ecological transition
1358	Vladimir	Kattsov	Senior	Voeikov Main Geophysical Observatory, Roshydromet	RUSSIAN FEDERATION	Towards a new level of quantifying climate change and variability in Russia for management decisions
946	Claire	Macintosh	Senior	ESA	UK	ESA's new climate initiative: CLIMATE-SPACE
1051	Camila	Prudente	ECR	Centro de Investigaciones del Mar y la Atmósfera (CIMA), CONICET—Universidad de Buenos Aires (UBA)	ARGENTINA	Community hydrological monitoring network through the co-production of knowledge
406	Katie	Quail	ECR	UNSW	AUSTRALIA	Working in partnership with the Mimal Rangers to quantify the impact of climate change on Indigenous right-way burning practices in Northern Australia
244	Nadia	Testani	ECR	Departamento de Ciencias de la Atmósfera y los océanos, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires.	ARGENTINA	Interdisciplinary and cross-sectoral construction of flood alerts at the Matanza River Basin -Argentina- : validation of a hydrological model using a community monitoring network`s measurements
1457	Abdullahi Ibrahim	Tofa	ECR	International Institute of Tropical Agriculture, Kano State	NIGERIA	Optimum maize planting window and season length for climate change adaptation in Kano, Nigeria

808	Sue	van Rensburg	Senior	South African Environmental Observation Network	SOUTH AFRICA	Madness or necessity? Attempting co-production of a decision support tool by integrating climate, land-use, hydrology, and economics guided by the aspirations of local communities

S33 - Linking policy and climate information

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
680	Md Khalid	Hossain	ECR	Monash University	AUSTRALIA	Information needs and methods of accessing climate information by children and youth in urban Bangladesh for climate action: A policy-practice agenda

PC36 - Developments in evidence based tools and metrics for adaptation planning and monitoring

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1549	Tania	Duba	ECR	University of Cape Town	SOUTH AFRICA	Sustainable small scale fisheries livelihood under uncertainty: participatory scenario planning for Community adaptation response to climate change impacts
1301	Shamaila	Fatima	ECR	Centre for Technology Alternatives for Rural Areas, Indian Institute of Technology, Bombay (IITB), Mumbai, Maharashtra, India - 400076	INDIA	A decision-making tool to analyze the future climate risk using Google Earth Engine
843	Ugochukwu	Okoro	MCR	Imo State University Owerri, Centre for Atmosphere and Environmental Research	NIGERIA	Photovoltaics in Nigeria: viability and sustainability by the end of 21 century
666	Uwase	Safi	ECR	Mohammed VI Polytechnic University	MOROCCO	The combined effect of biodegradable film mulch and crop residue to mitigate climate change and promote plant-soil health in the Oasis agroecosystem.
976	Divya	Subash Kumar	ECR	Anna University	INDIA	Impact of climate change on malaria occurrence and seasonality in Chennai using statistical and mathematical models
1376	Sombénéwendé Rasmata	Zoungrana	ECR	INERA (Institut de l'Environnement et de Recherches Agricoles)	BURKINA FASO	Recycling crop residues and animal dungs on farms in Burkina Faso and Cameroon to cope with irregular rainfall and rising prices of industrial inputs

Monday 16 October

08:00 UTC

PC06 - The role of stratosphere-troposphere coupling on surface weather and climate

ID	First Name	Last Name	Career Stage	Institution	Country	Abstract title
1357	Dr A. T.	Archibald	MCR	University of Cambridge	UK	The Parameterized Ozone Scheme in the UM: Impacts of interactive stratospheric ozone on seasonal-to-decadal climate.
1299	Ghyslaine	Boschat	MCR	The Bureau of Meteorology, Melbourne	AUSTRALIA	Assessment of the CMIP6 simulations for the seasonal evolution of the Antarctic stratospheric vortex
1171	Sire Kadiata	Diallo	MCR	Institute of Energy and Climate Research, Stratosphere (IEK–7), Forschungszentrum Jülich,	GERMANY	eXplainable AI (XAI) to predict the role of stratosphere–troposphere dynamical coupling in the unfolding of surface extreme events
619	Chaim	Garfinkel	MCR	Hebrew University of Jerusalem	ISRAEL	Stationary Waves Weaken and Delay the Near-Surface Response to Stratospheric Ozone Depletion
1732	Amanda	Maycock	MCR	University of Leeds	UK	Exceptionally strong polar vortex favoured intense UK and northern European storminess in February 2020 and 2022
1268	Elena	Saggioro	ECR	University of Reading	UK	Probabilistic causal network modelling of Southern Hemisphere jet long-range predictability

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NRF National Research Foundation

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