

# ADVANCING CLIMATE SCIENCE FOR A SUSTAINABLE FUTURE

A HYBRID EVENT – 📍 on site: Kigali | 🌐 online everywhere  
<https://wcrp-osc2023.org> | #WCRPOSC23 |

ON SITE POSTER SESSION  
SCHEDULE



**WORLD CLIMATE  
RESEARCH PROGRAMME**  
**OPEN SCIENCE  
CONFERENCE**

**23 - 27 OCT. 2023 | RWANDA**

**WCRP**   
World Climate Research Programme





# **Kigali Convention Centre**

**On-site Poster Sessions**

**23 to 26 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 until 22 October.

### **Virtual poster gallery**

We recommend that poster presenters upload their poster in the poster gallery to allow other participants to be able to see their posters. Only PDF files are accepted for the poster upload. The maximum file size is 10MB. Format can be portrait or landscape.

### **On-site poster display**

Authors should be in attendance during the session and are expected to stand by their poster to answer questions. Posters will be available for viewing and presented on the day of the relevant session only. Presenters will be asked to remove their poster at the end of their poster session. The posters not removed at the appropriate time will be recycled. Please DO NOT LAMINATE your poster unless you plan to re-use it. Only un-laminated posters can be recycled.

Poster format: A0 Portrait (84,1 cm x 118,9 cm - 33.1 inches x 46.8 inches)

# Theme 1: Advances in Climate Research

<b>S01</b>	Climate variability on timescales from weeks to centuries and millennia .....	<b>Monday 23 October</b>
<b>S02</b>	Climate predictability and prediction.....	<b>Monday 23 October</b>
<b>S03</b>	Global and regional monsoons .....	<b>Wednesday 25 Oct.</b>
<b>S04</b>	Storms, eddies and jets in the atmosphere and ocean .....	<b>Tuesday 24 October.</b>
<b>S05</b>	Polar processes and change .....	<b>Thursday 26 October</b>
<b>S06</b>	Rapid and/or irreversible changes in the climate system.....	<b>Tuesday 24 October</b>
<b>S07</b>	Atmosphere-land interactions: energy, water & carbon .....	<b>Thursday 12 Oct.</b>
<b>S08</b>	Ocean-atmosphere interactions: energy, water & carbon .....	<b>Wednesday 25 October</b>
<b>S09</b>	Interactions between atmospheric composition and climate, including aerosol processes .....	<b>Thursday 26 October</b>
<b>S10</b>	Lessons from paleoclimate for recent and future climate change.....	<b>Thursday 26 October</b>
<b>S11</b>	Advances in global and regional climate modelling .....	<b>Tuesday 24 October</b>
<b>S12</b>	Advances in climate observations and model-data fusion.....	<b>Tuesday 24 October</b>

## Theme 2: Human Interactions with Climate

<b>S13</b>	Carbon cycle .....	<b>Tuesday 24 October</b>
<b>S14</b>	Global energy budget.....	<b>Tuesday 24 October</b>
<b>S15</b>	Water cycle .....	<b>Monday 23 October</b>
<b>S16</b>	Ice sheets and sea level change .....	<b>Thursday 26 October</b>
<b>S17</b>	Climate feedbacks and climate sensitivity.....	<b>Tuesday 24 October</b>
<b>S18</b>	Current and future forcing, including aerosols and scenarios.....	<b>Wednesday 25 October</b>
<b>S19</b>	Land use and land cover change.....	<b>Tuesday 24 October</b>
<b>S20</b>	Impacts on land and marine ecosystems.....	<b>Wednesday 25 October</b>
<b>S21</b>	Impacts on food security and water availability .....	<b>Tuesday 24 October</b>
<b>S22</b>	Impacts on human health and urban systems .....	<b>Monday 23 October</b>
<b>S23</b>	Circulation change in the climate system (atmosphere and ocean).....	<b>Thursday 26 October</b>
<b>S24</b>	Attribution of changes.....	<b>Monday 23 October</b>
<b>S25</b>	Regional climate change.....	<b>Thursday 26 October.</b>
<b>S26</b>	Mitigation scenarios including overshoot and climate intervention.....	<b>Wednesday 25 October</b>

# Theme 3: Co-produced Climate Services and Solutions

<b>S27</b>	Hazards and extreme events.....	<b>Wednesday 25 October</b>
<b>S28</b>	Regional information – Data and methods.....	<b>Wednesday 25 October</b>
<b>S29</b>	Regional information – Constructed for climate services.....	<b>Monday 23 October</b>
<b>S30</b>	Plausibility, probability, likelihood, and uncertainty.....	<b>Thursday 26 October</b>
<b>S31</b>	Climate knowledge co-production in a decision and policy context.....	<b>Thursday 26 October</b>
<b>S32</b>	Capacity development for climate services.....	<b>Thursday 26 October</b>
<b>S33</b>	Linking policy and climate information.....	<b>Thursday 26 October</b>
<b>S34</b>	Climate services: effectiveness and evaluation.....	<b>Monday 23 October</b>
<b>S35</b>	Regional information and scales in time and space.....	<b>Wednesday 25 October</b>
<b>S36</b>	Observations for decisions.....	<b>Wednesday 25 October</b>
<b>S37</b>	Regional attribution.....	<b>Monday 23 October</b>
<b>S38</b>	Connecting regional impacts and climate information.....	<b>Monday 23 October</b>
<b>S39</b>	Institutions and frameworks.....	<b>Monday 23 October</b>
<b>S40</b>	Lessons from failures.....	<b>Monday 23 October</b>

# Poster Clusters

## Climate processes

<b>PC01:</b> Atmospheric Rivers: The nexus between weather, water, and climate extremes .....	<b>Monday 23 October</b>
<b>PC02</b> Advances in understanding, observing, and modeling land-atmosphere interactions, from bedrock to boundary layer.....	<b>Monday 23 October</b>
<b>PC03</b> Constraining TCRE for carbon budgets.....	<b>Monday 23 October</b>
<b>PC05</b> Attribution and prediction of annual to decadal changes in climate.....	<b>Monday 23 October</b>
<b>PC06</b> The role of stratosphere-troposphere coupling on surface weather and climate.....	<b>Monday 23 October</b>
<b>PC07</b> Advances in monsoon science & prediction: Theory, observations, modelling & climate services.....	<b>Monday 23 October</b>
<b>PC08</b> Extreme rainfall and temperatures events: Forecasting challenge and role of ensemble prediction system.....	<b>Monday 23 October.</b>
<b>PC09</b> Safe Landing Climates for drinkable water availability in a warmer world: From raindrop to AMOC and beyond.....	<b>Monday 23 October</b>
<b>PC10</b> Current and near-term variability and trends in the Antarctic climate system .....	<b>Monday 23 October</b>
<b>PC11</b> The role of North Atlantic Oceanic processes on regional climate variations and change.....	<b>Tuesday 24 October</b>
<b>PC12</b> Changes in sea surface temperature patterns in the Tropics.....	<b>Tuesday 24 October</b>
<b>PC13</b> Effects of mesoscale to small-scale oceanic processes on climate changes.....	<b>Tuesday 24 October</b>
<b>PC14</b> Ocean mixing and climate.....	<b>Tuesday 24 October</b>
<b>PC15</b> Ocean predictability and prediction on subseasonal to decadal time scales.....	<b>Tuesday 24 October</b>
<b>PC16</b> Marine heatwaves in the world oceans .....	<b>Tuesday 24 October</b>

## Observations and modelling

- PC17** How can the EO community support adaptation and mitigation for the UNFCCC Paris Agreement..... **Tuesday 24 October**
- PC18** Global climate observations for adaptation to climate extremes..... **Tuesday 24 October.**
- PC20** Identifying and closing mountain climate observation gaps..... **Tuesday 24 October.**
- PC21** Smart sensors for agri-food and environmental monitoring systems ..... **Wednesday 25 October**
- PC22** Monitoring and modeling Earth System change: Integrating models and observations..... **Tuesday 24 October**
- PC23** Earth System models for the future ..... **Wednesday 25 October**
- PC24** MEXT program for the advanced studies of climate change projection (SENTAN)..... **Wednesday 25 October**
- PC25** Towards more inclusive future climate scenarios ..... **Wednesday 25 October**
- PC26** Open innovation for Earth science research..... **Wednesday 25 October**

## Risks & extremes

- PC27** High risk events in the future Earth system..... **Wednesday 25 October**
- PC28** AI for weather and climate extremes: detection, attribution, prediction ..... **Wednesday 25 October**
- PC29** Good practices for making regional projections of weather and climate extremes..... **Wednesday 25 October**
- PC30** Assessing and attributing current and future hazard risks..... **Monday 23 October**
- PC31** Climate extremes & risk: Impacts, cascades, feedbacks with biosphere and society..... **Thursday 26 October.**
- PC32** Understanding and modeling of weather and climate extremes and related complex risks ..... **Thursday 26 October**
- PC33** Climate extreme changes and associated impacts ..... **Thursday 26 October.**



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

- PC34** The nexus of climate change, ecosystem & human health: Cascading socio-ecological impacts for Africa..... **Thursday 26 October**
- PC35** The role of digital technology in addressing water and food security..... **Thursday 26 October.**
- PC36** Developments in evidence based tools and metrics for adaptation planning and monitoring..... **Thursday 26 October**
- PC37** Impacts of climate change on food security ..... **Thursday 26 October**
- PC38** The importance of women in climate change resilience..... **Thursday 26 October**
- PC39** Young students empowerment regarding climate change issues..... **Thursday 26 October**
- PC40** Climate services in the Global South..... **Thursday 26 October**
- PC41** Good practices in climate services - insights of the past, present, and future..... **Thursday 26 October**
- PC42** Climate Resilient Land Use Policies and Practices (LUPP) in Afro-Asian countries ..... **Thursday 26 October**
- PC43** Evaluation of the Intersection of laws, public administration, and non-governmental initiatives in climate change mitigation.... **Thursday 26 October**

**Posters are listed by alphabetical order by last name of the presenter from page 49 to 75.**

# On Site Poster Sessions

## Monday 23 October

Time	Sessions & Poster Clusters
16:00 – 18:00	S01, S02, S14, S15, S22, S24, S29, S34, S37, S39 PC01, PC02, PC03, PC04, PC05, PC06, PC07, PC08, PC09, PC10, PC30

## Tuesday 24 October

Time	Sessions & Poster Clusters
16:00 – 18:00	S04, S06, S11, S12, S13, S17, S19, S21, S38, S40 PC11, PC12, PC13, PC14, PC15, PC16, PC17, PC18, PC19, PC20, PC22



## Wednesday 25 October

Time	Sessions & Poster Clusters
16:00 – 18:00	S03 S08, S16, S18, S20, S26, S27, S28, S35, S36 PC21, PC23, PC24, PC25, PC26, PC27, PC28, PC29

## Thursday 26 October

Time	Sessions & Poster Clusters
16:00 – 18:00	Sessions S05, S07, S09, S10, S23, S25, S30, S31, S32, S33 PC31, PC32, PC33, PC34, PC35, PC36, PC37, PC38, PC39, PC 40, PC41, PC42, PC43

**MONDAY 23 OCTOBER 2023**  
**16h00-18h00**

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
838	1	MON-23 S01-01	Parya	Adibi	ECR	Iran	Impact of the El Niño–Southern Oscillation on the climate of Iran <i>(Withdrawn)</i>
1408	2	MON-23 S01-02	Omar	Assowe	MCR	Djibouti	Spatio-temporal variability and trends of rainfall over the Republic of Djibouti
1411	3	MON-23 S01-03	Andrea	Dittus	ECR	UK	Extending the historical record back to the 1750s: implications for climate and climate variability
780	4	MON-23 S01-04	Sergey	Gulev	Senior	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
492	5	MON-23 S01-05	Aixue	Hu	Senior	USA	Dependence of the AMOC hysteresis on the freshwater and greenhouse gases and background climate
1135	6	MON-23 S01-06	Michael	Lai	ECR	UK	Impact of model resolution on internal and externally forced North Atlantic variability at multidecadal timescales
561	7	MON-23 S01-07	Xu	Liu	Senior	USA	Two Decades of Atmospheric and Surface Temperature, Water Vapor, and Cloud Climate Record Derived from Satellite Remote Sensors
1334	8	MON-23 S01-08	Ben	Maybee	ECR	UK	Predictability of the East Africa long rains: importance of the Madden-Julian Oscillation and Congo zonal winds
1062	9	MON-23 S01-09	Rym	Msadek	MCR	France	Imprint of intrinsic ocean variability on Arctic sea ice and ocean dynamics on subseasonal to annual time scales
856	10	MON-23 S01-10	Hyacinth	Nnamchi	MCR	Germany	The pan-Atlantic decadal climate oscillation: dynamics and impacts
1133	11	MON-23 S01-11	Abdalla	Osman Adam Abdalla	ECR	Sudan (the)	Inter-annual to Inter-decade Rainfall Variability Over Sudan
1271	12	MON-23 S01-12	Susanna	Corti	MCR	Italy	Heat extremes in scenario projections: the role of variability
985	13	MON-23 S01-13	Caroline	Wainwright	ECR	UK	Investigating the Drivers of Dry Season Rainfall over Eastern Africa
505	14	MON-23 S01-14	Tao	WANG	MCR	China	External Forcings Caused the Tripole Trend of Asian Precipitation during the Holocene

Monday 24 October 2023

750	15	MON-23	S01-15	Elisa	Ziegler	ECR	Germany	Variability of surface temperature and precipitation during past and future warming episodes
342	124	MON-23	S01-16	Dickson	Mbigi	ECR	United Republic of Tanzania	The Southern Annular Mode: its influence on interannual variability of rainfall in North Australia

## S02 - Climate predictability and prediction

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1338	16	MON-23	S02-01	Boris	Babanov	ECR	Russian Federation	Low-frequency atmospheric circulation regimes in Northern Eurasia and associated weather anomalies
1415	17	MON-23	S02-02	Leone	Cavicchia	MCR	Italy	Towards AI-enhanced seasonal prediction of Mediterranean cyclones
1189	18	MON-23	S02-03	Ismaila	Diallo	ECR	USA	Connections between Spring Tibetan Plateau Land Surface Temperature and Early Summer Extreme Precipitation Predictions
1075	19	MON-23	S02-04	Markus	Donat	MCR	Spain	Constraining decadal variability in large climate projections ensembles to obtain improved near-term climate change estimates and attribute sources of predictability
388	20	MON-23	S02-05	Ulla	Heede	ECR	USA	Tropical Pacific warming patterns modulates future hydroclimatic changes and extreme events on five continents
1048	21	MON-23	S02-06	Noel	Keenlyside	Senior	Norway	Improving climate prediction through data assimilation and supermodelling
763	22	MON-23	S02-07	Yong-Yub	Kim	ECR	Republic of Korea	A multi-year climate prediction system based on CESM2
474	23	MON-23	S02-08	Gregor	Leckebusch	Senior	UK	Seasonal predictability of extreme cyclones and storms
494	24	MON-23	S02-09	T	Lee	Senior	USA	Ocean dynamic persistence provides substantial predictability for El Niño-Southern Oscillation
1453	25	MON-23	S02-10	Michael	Mengistu	Senior	South Africa	Evaluation of CORDEX models in simulating historical dry spells over major maize producing regions of South Africa
381	26	MON-23	S02-11	Anna	Msigwa	ECR	United Republic of Tanzania	A Machine Learning-Based Early Warning System for Droughts in the Pangani Basin, East Africa
744	27	MON-23	S02-12	Sol	Osman	ECR	Germany	Multi-model assessment of the sub-seasonal predictive skill for the year-round Atlantic-European weather regimes
421	26	MON-23	S02-13	Alvaro	Salazar	MCR	Chile	CMIP6 precipitation and temperature projections for Chile

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1008	29	MON-23	S02-14	Bjorn H.	Samset	Senior	Norway	Steady course for global surface warming through 2022
766	30	MON-23	S02-15	Roberto	Suarez	ECR	Norway	Assessment of state-of-the-art seasonal prediction systems for ENSO operational forecasting

### S14 - Global energy budget

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
648	31	MON-23	S14-01	Susanne	Bauer	Senior	USA	Trends in Earth's radiative fluxes driven by changes in forcings and atmospheric composition
396	32	MON-23	S14-02	lijing	Cheng	MCR	China	Past and future changes of ocean heat content and implications for Earth's energy budget

### S15 - Water cycle

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1248	33	MON-23	S15-01	Margot	Bador	MCR	France	Future seasonal changes in extreme precipitation scale with changes in the mean
781	34	MON-23	S15-02	Jean-Francois	Cretaux	Senior	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	35	MON-23	S15-03	Juliette	Demam	ECR	France	Changes of the hydrological cycle over Europe at the end of the 21st century projected by CMIP6 models and associated uncertainties
607	36	MON-23	S15-04	Morgane	Lalonde	ECR	France	Urban water cycle: adding an urban representation in the RegIPSL model
621	37	MON-23	S15-05	Jiafu	Mao	Senior	USA	Quantification of human contribution to soil moisture-based terrestrial aridity
1775	38	MON-23	S15-06	Budz	Tejada	ECR	Philippines (the)	Ability of the Gridded Reanalysis Products to Detect Long-Term Rainfall Trends in Angat Watershed, Philippines

**S22 - Impacts on human health and urban systems**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
172	39	MON-23	S22-01	Mojisola	Adeniyi	Senior	Nigeria	Simulation of the impacts of 1.5oC to 3oC regional warming levels on heat related death over West Africa
691	40	MON-23	S22-02	Christopher	Boyer	ECR	USA	Engaging stakeholders and informing capacity building for heat health warning systems in Africa
919	41	MON-23	S22-03	Melissa	Hart	Senior	Australia	When citizen science meets urban climate: The Sydney Schools Weather and Air Quality (SWAQ) monitoring network
1587	42	MON-23	S22-04	Chris	Jack	MCR	South Africa	Unraveling the urban heat health relationship: Innovations in machine learning and large multi-dataset integration
775	43	MON-23	S22-05	Gaby	Langendijk	ECR	Germany	Improving climate information for health-related impacts; pollen, influenza, and mold, in Berlin and its surroundings
1658	44	MON-23	S22-06	John	Marsham	Senior	UK	Modelling climate change in heatwaves in Africa, including past and projected heat impacts on child mortality
1146	45	MON-23	S22-07	Negin	Nazarian	ECR	Australia	Integrated assessment of urban overheating impacts on human life
777	46	MON-23	S22-08	Patricia	Nying'uro	ECR	Kenya	Identification of local heat thresholds and related health impacts: The case of Nairobi, Mombasa, Kisumu Cities in Kenya
711	47	MON-23	S22-09	Prakash C.	Tiwari	Senior	India	Urban Growth and its Natural Risks in High Mountains of Developing World under Climate Change: An Illustration of Uttarakhand Himalaya, India
488	48	MON-23	S22-10	Sophia	Yacob	ECR	India	Climate and Dengue Mortality: An AI/ML based Early Warning System and Future Projections for Pune
1571	49	MON-23	S22-11	Andrew	Zimmer	ECR	USA	Demographic exposure to extreme heat and flooding

**S24 - Attribution of changes**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1286	50	MON-23	S24-01	Mastawes ha	Engdaw	ECR	Austria	Detection and attribution of compound climate extremes in Africa
569	51	MON-23	S24-02	Davide	Faranda	MCR	France	Towards a framework for attributing tropical and Mediterranean cyclones to climate change

158	52	MON-23	S24-03	Vedaste	Iyakaremye	ECR	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	53	MON-23	S24-04	Jonas	Jaegermeyr	MCR	USA	The fingerprint of climate change in crop losses during recent heatwaves and droughts
546	54	MON-23	S24-05	Jie	Jiang	ECR	China	Agricultural drought over water-scarce Central Asia aggravated by internal climate variability
656	55	MON-23	S24-06	Joyce	Kimutai	ECR	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	56	MON-23	S24-07	Chen	Lu	ECR	Italy	A framework for the super attribution of multiple extreme events
972	57	MON-23	S24-08	Shingirai	Nangombe	ECR	South Africa	Attribution of climate change and recent hydro-climatic extremes in South African areas and climatic zones
1164	58	MON-23	S24-09	Sarah	Perkins-Kirkpatrick	MCR	Australia	Attributing the health impacts of the 2009 Victorian heatwave to climate change
1718	59	MON-23	S24-10	Sabine	Undorf	ECR	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	60	MON-23	S24-11	Piotr	Wolski	Senior	South Africa	Addressing apparent contradictions in event attribution

## S29 - Regional information – Constructed for climate services

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1706	61	MON-23	S29-01	Samantha	Burgess	Senior	UK	Climate monitoring for informing society
1005	62	MON-23	S29-03	Ailish	Craig	ECR	UK	Future climate information, adaptation policies and the need for climate services in Southern Africa
303	63	MON-23	S29-04	Tufa	Dinku	Senior	USA	Enhancing Climate Services in Africa Through Enhanced Access to Climate Information Products
732	64	MON-23	S29-05	Hussen Seid	Endris	MCR	Kenya	Showcasing Improved Climate Products and Services for Eastern Africa
1530	65	MON-23	S29-06	Masilin	Gudoshava	ECR	Kenya	How Accurate are current Climate Models to forecast East Africa Drought?



979	66	MON-23	S29-07	Linda	Hirons	MCR	UK	Using a co-production approach to support effective application of S2S forecasts across Africa
1205	67	MON-23	S29-08	Rachael	Isphording	ECR	Australia	A standardized benchmarking framework to assess downscaled rainfall simulations
961	68	MON-23	S29-09	Shipra	Jain	ECR	Singapore	Indian Ocean Dipole and its impact on Southeast Asia: a climate service perspective
1531	69	MON-23	S29-10	Martin	Jury	ECR	Austria	Klimaszenarien.AT – The new Austrian climate scenarios 2026
1413	70	MON-23	S29-11	Mary	Kilavi	Senior	Kenya	Reflections on the development and use of S2S products in Kenya
1558	71	MON-23	S29-12	Lucas	O'Reilly	ECR	USA	The use of network science in the engineering of actionable adaptation to weather and climate change stresses
1515	72	MON-23	S29-13	Youssouph	Sane	Senior	France	A web portal dedicated to climate change impact studies in the Global South
1584	73	MON-23	S29-14	Semeena	Valiyaveetil	Senior	UK	Development of fine resolution UK Climate Projection (UKCP18) data of meteorological and hydrological variables for impact modelling for the period 1980-2080 ( <i>Withdraw</i> )

### S34 - Climate services: effectiveness and evaluation

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1670	74	MON-23	S34-01	Prosper	Houessionon	ECR	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	75	MON-23	S34-02	Geneva	List	MCR	USA	What we learned from evaluating a six-country climate services project
1492	76	MON-23	S34-03	Miriam	Murambadoro	MCR	South Africa	Processes of learning and constraints within the climate change adaptation South African governance space
1279	77	MON-23	S34-04	Asif Uddin Bin	Noor	ECR	Bangladesh	Evaluating the suitability of agromet information for strategic and tactical decision-making to implement climate service in Bangladesh
783	78	MON-23	S34-05	Patricia	Nying'uro	ECR	UK	Experiences of co-producing S2S forecast products for agricultural application in Kenya and Ghana
1736	79	MON-23	S34-06	Andrew	Robertson	Senior	USA	Sub-Seasonal to Seasonal (S2S) Forecasts for Effective Climate Services in Agriculture

**S37 - Regional attribution**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
520	80	MON-23	S37-01	Cheikh Modou	Noreyni	ECR	Senegal	Evolution of agroclimatic indicators in senegal using CMIP6 simulations
1502	81	MON-23	S37-02	Cheikh Modou	Noreyni	ECR	Senegal	Multidecadal Modulations of ENSO influence on Tropical Atlantic cyclogenesis
1502	82	MON-23	S37-03	Cheikh Modou	Noreyni	ECR	Senegal	Multidecadal Modulations of ENSO influence on Tropical Atlantic cyclogenesis

**S39 - Institutions and frameworks**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
254	83	MON-23	S39-01	Ajibola	Akanji	ECR	Nigeria	Nigerian Climate Change Act 2021: Critique from a Cooperativist Perspective
1721	84	MON-23	S39-02	Pablo	Borges de Amorim	MCR	Brazil	Supporting the implementation of the Brazilian National Framework of Climate Services through the development of a web-based catalog.
1672	85	MON-23	S39-03	Marisa	Gonzalez	ECR	South Africa	Diversifying climate service co-production processes in Africa with knowledge and data driven research infrastructures
1433	86	MON-23	S39-04	Sophie	Hebden	MCR	Sweden	Ten New Insights in Climate Science – a streamlined process for prioritising key messages from science to inform policy-makers
1750	87	MON-23	S39-05	Forrest	Hoffman	MCR	USA	International Consortium Developing the Next Generation Earth System Grid Federation (ESGF) Distributed Data Infrastructure
1828	88	MON-23	S39-06	Camille	Rannou	don't know	France	One Planet Fellowship Programme - Science, Leadership, Networking
1691	89	MON-23	S39-07	Mark	Shimamoto	MCR	USA	Co-developing an Ethical Framework for Climate Intervention Research and Potential Scaling
1057	90	MON-23	S39-08	Christian	Steger	MCR	Germany	Providing data and information for climate services at Deutscher Wetterdienst in Germany
535	91	MON-23	S39-09	Wenfu	Tang	ECR	USA	Accelerating environmental sustainability solutions in Africa: a UCAR initiative
503	92	MON-23	S39-10	Prakash C.	Tiwari	Senior	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
1844	123	Mon-23	S39-11	Austin	Phiri	ECR	Malawi	Performance of the poteto-soybean intercroppings system in Malawi

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
813	93	MON-23	PC01-01	Tim	Higgins	ECR	USA	Atmospheric River related changes over the North American West Coast under Anthropogenic warming
797	94	MON-23	PC01-02	Luciano	Pezzi	Senior	Brazil	Air-sea interaction and feedback mechanisms on cases of oceanic SACZ
1143	95	MON-23	PC01-03	Alejandro	Builes-Jaramillo	ECR	Colombia	Precipitation over the Far Eastern Colombian Pacific during the OTREC campaign: Linkages Choco Low-Level Jet and Wind Shear

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1426	96	MON-23	PC02-01	Kirsten	Findell	Senior	USA	Accurate Assessment of Land-Atmosphere Coupling in Models Requires High Frequency Data Output
1602	97	MON-23	PC02-02	Rebecca	Garland	Senior	South Africa	Improving our understanding of the biogeochemical cycling of nitrogen and its impacts on ecosystems across South Africa
743	98	MON-23	PC02-03	Gurriaran	Léna	ECR	France	Projecting power demand and related CO2 emissions under climate change and quantifying the impact on climate
1079	99	MON-23	PC02-04	Josna	Murmu	ECR	India	Simulation of land surface fluxes by NAOH LSM model over the Chota Nagpur Plateau region (Ranchi) in India
819	100	MON-23	PC02-05	Peter	van Oevelen	Senior	USA	From Continental Scale Experiments (CSEs) to Regional Hydroclimate Projects (RHPs): New Paradigms for Water and Climate Research at the Regional Scale

**PC03 - Constraining TCRE for carbon budgets**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1192	101	MON-23	PC03-01	Rachel	Chimuka	ECR	Canada	Quantifying the contribution of carbon cycle and physical feedbacks to TCRE (a)symmetry

**PC05 - Regional attribution**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
1044	102	MON-23 PC05-01	Leandro	Diaz	ECR	Argentina	Assessment of anthropogenic and natural influences on the observed precipitation trends in Southern South America
1069	103	MON-23 PC05-02	Rym	Msadek	MCR	France	Assessing the role of internal variability on projections of Northern Europe winter temperature at near-term (2020-2040) using a storyline approach
1116	104	MON-23 PC05-03	Isla	Simpson	MCR	USA	The CESM2 single forcing large ensemble and lessons learned on the impact of experimental design.
1400	105	MON-23 PC05-04	Doug	Smith	Senior	UK	Naturally forced multidecadal changes in the NAO

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
1357	106	MON-23 PC06-01	A. T.	Archibald	MCR	UK	The Parameterized Ozone Scheme in the UM: Impacts of interactive stratospheric ozone on seasonal-to-decadal climate.
1171	107	MON-23 PC06-02	Sire Kadiata	Diallo	MCR	Germany	eXplainable AI (XAI) to predict the role of stratosphere–troposphere dynamical coupling in the unfolding of surface extreme events
1732	108	MON-23 PC06-03	Amanda	Maycock	MCR	UK	Exceptionally strong polar vortex favoured intense UK and northern European storminess in February 2020 and 2022
1268	109	MON-23 PC06-04	Elena	Saggioro	ECR	UK	Probabilistic causal network modelling of Southern Hemisphere jet long-range predictability

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1216	110	MON-23	PC07-01	Swagatika	Chakra	ECR	India	Contrasting trends in rainfall climatology between South Peninsula & Northeast India
740	111	MON-23	PC07-02	S	Sandeep	MCR	India	Dry air intrusion over India during the summer monsoon in observations and CMIP6 simulations
981	112	MON-23	PC07-03	Thea	Turkington	MCR	Singapore	A Regional Monsoon Index for Southeast Asia

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
430	113	MON-23	PC08-01	Jiehua	Ma	MCR	China	The impact of three Oceans on the cold, rainy and snowy February over southern China in 2022
992	114	MON-23	PC08-02	Ying	Zhang	MCR	China	Predictions of record-breaking hot August in 2022 by C3S seasonal forecast systems

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1152	115	MON-23	PC09-01	Cristiano	Chiessi	Senior	Brazil	Precipitation over northeastern South America under different modes of operation of the Atlantic meridional overturning circulation
1072	116	MON-23	PC09-02	Paulo	Nobre	Senior	Brazil	AMOC decline and recovery in a warmer climate
1073	117	MON-23	PC09-03	Paulo	Nobre	Senior	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	118	MON-23	PC09-04	Marcus	Bottino	MCR	Brazil	Amazon Deforestation and Climate Change: Extreme Events of droughts and air temperature
1260	119	MON-23	PC09-05	Abubaker Omer	Abbass Osman	ECR	Republic of Korea	Exploring the Complexities of Dams' Impact on Transboundary Flow: A Meta-Analysis of Climate and Basin Factors

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974	120	MON-23	PC09-06	Yusuke	Satoh	MCR	Republic of Korea	The timing of unprecedented hydrological drought under climate change
928	121	MON-23	PC09-07	Kazuyoshi	Suzuki	Senior	Japan	Coupled land-atmosphere data assimilation for the extreme winter precipitation in the interior Alaska

### PC30 - Assessing and alribu3ng current and future hazard risks

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
1632	122	MON-23	Danielle	Touma	ECR	USA	Extreme fire weather events under climate variability and change in the western United States

**TUESDAY 24 OCTOBER 2023**  
**16h00-18h00**

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
690	1	TUE-24 S04-01	Paola Andrea	Arias Gomez	MCR	Colombia	A drier Orinoco basin during the 21st century: the role of the Orinoco low-level jet
1309	2	TUE-24 S04-02	Rondrotiana	Barimalala	MCR	Norway	The roles of southeastern African river valley jets on regional rainfall
1140	3	TUE-24 S04-03	Alejandro	Builes Jaramillo	ECR	Colombia	The ENSO phase transitions influence over the Low-Level Jets of Northern South America
1223	4	TUE-24 S04-04	Rodrigo	Caballero	Senior	Sweden	The hemispheric asymmetries of midlatitude surface winds
749	5	TUE-24 S04-05	Willem Stefaan	Conradie	ECR	South Africa	Hemispheric circulation anomalies and weather systems associated with recent April-May drought around Cape Town, South Africa
1040	6	TUE-24 S04-06	Fabio	D'Andrea	Senior	France	Increasing depressions in the Euro-Atlantic summer leading to temperature extremes?
203	7	TUE-24 S04-07	Christian	Franzke	MCR	Republic of Korea	Long-Term Trends of the Atmospheric Circulation and Moist Static Energy Budget in the JRA-55 Reanalysis
1765	8	TUE-24 S04-08	Alan	García Rosales	ECR	Peru	Evaluation of the Evolution of Severe Storm Environments through use of the Lapse rate tendency equation.
728	9	TUE-24 S04-09	Sergey	Gulev	Senior	Russian Federation	Long-term changes in wind wave statistics over 1880-2021 from visually observed wave data
1509	10	TUE-24 S04-10	Or	Hadas	ECR	Israel	Extending the theory of baroclinic growth by taking a single storm perspective
1160	11	TUE-24 S04-11	Suryachandra A	Rao	Senior	India	Impact of Bay of Bengal Eddies on Indian Summer Monsoon Rainfall

859	12	TUE-24	S04-12	Tiffany	Shaw	MCR	USA	Fastest jet stream winds get faster under climate change
1326	13	TUE-24	S04-13	Marcia	Zilli	ECR	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

### S11 - Advances in global and regional climate modelling

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
556	14	TUE-24	S11-01	Godwin	Ayesiga	ECR	Uganda	Linking Equatorial African precipitation to Kelvin wave processes in the CP4-Africa convection-permitting regional climate simulation
1720	15	TUE-24	S11-02	Tomáš	Halenka	Senior	Czechia	Urban environments and regional climate change - CORDEX flagship pilot study URB-RCC
887	16	TUE-24	S11-03	Sandy P.	Harrison	Senior	UK	Green vegetation cover: a first-principles model for a first-order control of land-atmosphere exchanges
916	17	TUE-24	S11-04	Bian	He	MCR	China	Sensitivities of the Asian summer monsoon simulations to physical parameters for the Perturbed Parameter Ensemble of HadGEM3-GC3.05
462	18	TUE-24	S11-05	Forrest	Hoffman	MCR	USA	Evaluating Land Carbon Cycle Processes in Earth System Models: Have Models Improved Over Time?
1616	19	TUE-24	S11-06	Chunyong	Jung	ECR	USA	Assessing the Benefits of New 4 km Convection-Permitting Regional Climate Modeling for North Atlantic Hurricane Simulations: A Comparative Study
627	20	TUE-24	S11-07	Thomas	Jung	Senior	Germany	Eddy-rich Earth system modelling
1444	21	TUE-24	S11-08	Dr Nana Ama Browne	Klutse	MCR	Ghana	Modeling Onset and Cessation of Seasonal Rainfall in West Africa from CMIP5, CMIP6 and CORDEX, CORDEX CORE
741	22	TUE-24	S11-09	Gurriaran	Léna	ECR	France	Electricity production and associated CO2 emissions under climate change: A machine learning approach incorporating climate variables and human activity indices
1693	23	TUE-24	S11-10	Redouane	Lguensat	ECR	France	Surrogate Modeling for Coupled Model Tuning: Lessons learned from simple and intermediate complexity models



Tuesday 24 October 2023

883	24	TUE-24	S11-11	Iain Colin	Prentice	Senior	UK	The new physics of land ecosystems
673	25	TUE-24	S11-12	Yun	Qian	Senior	USA	Parametric Sensitivity and Uncertainty Quantification in Climate Model Based on Perturbed Parameter Ensemble (PPE) Simulations
1372	26	TUE-24	S11-13	Francesca	Raffaele	Senior	Italy	Convection-Permitting simulations over South America: how to reconcile model and observational uncertainty at the sub-daily time scale.
1158	27	TUE-24	S11-14	John	Rostron	MCR	UK	Tracking systematic errors and climate feedbacks across recent versions of the Met Office's HadGEM3 climate model
58	28	TUE-24	S11-15	Teddy	Senior	Senior	Ghana	The impact of Climate change in West Africa: A case of Ghana's current situation
1760	28	TUE-24	S11-16	Julia	Sloan	ECR	USA	Calibrating CliMA's land model
954	39	TUE-24	S11-17	Nuno	Carvalhais	ECR	Germany	Integration of a deep-learning-based fire model into a global land surface model
1747	31	TUE-24	S11-18	Chunyong	Jung	MCR	USA	Uncertainty Quantification of Convection-Permitting Climate Projections over North America
518	32	TUE-24	S11-19	Jun	Wang	MCR	China	Improving hydrological model forecasting and prediction using the convolutional neural network and support vector regression methods
1220	33	TUE-24	S11-20	YC	Wang	MCR	Taiwan, China	Investigating CMIP6 model uncertainties of MJO propagation with diurnal rainfall cycle over Maritime Continent
891	34	TUE-24	S11-21	Yongqiang	Yu	Senior	China	Introduction to the Earth System Numerical Simulation Facility in China
1258	35	TUE-24	S11-22	Tianjun	Zhou	Senior	China	How do initial-condition large ensembles enable us to quantify the contributions of anthropogenic forcing and natural variability to Asian monsoon changes?

## S12- Advances in climate observations and model-data fusion

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
384	36	TUE-24	S12-01	Jean-Francois	Cretaux	Senior	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	37	TUE-24	S12-02	Jean-Francois	Cretaux	Senior	Italy	Impact on lake surface water quality of heatwaves and burning events in the lakes watershed

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216	38	TUE-24	S12-03	Elizaveta	Ezhova	ECR	Russian Federation	Obtaining wind wave parameters using marine navigation X-band radar and SeaVision system
1093	39	TUE-24	S12-04	Oscar	Mirones	ECR	Spain	Infilling sparse records with Deep Learning: An application to fire danger monitoring and early warning in Spain
1563	40	TUE-24	S12-05	Aditi	Modi	ECR	India	Improved Estimation of ocean ecosystem indicators using Monte-Carlo Gap-Filling in Cloud-Prone Indian Ocean Color Data
1605	41	TUE-24	S12-06	Erlich-Honest	Zausomue	ECR	Namibia	Assessment of extreme climate events predictability with GEOSPATIAL techniques on Cuvelai-Etosha basin in northern part of Namibia

### S13 - Carbon cycle

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1575	42	TUE-24	S13-01	Vitus	Benson	ECR	Germany	Atmospheric transport modeling with graph neural networks

### S17 - Climate feedbacks and climate sensitivity

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1644	43	TUE-24	S17-01	Benoit	Meyssignac	MCR	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	44	TUE-24	S17-02	Robert	Pincus	Senior	USA	The spectral roots of hydrologic sensitivity
975	45	TUE-24	S17-03	Colin	Price	Senior	Israel	Thunderstorms, Cirrus Clouds, and Arctic Sea Ice. <i>(Withdrawn)</i>
241	46	TUE-24	S17-04	Addisu	Semie	ECR	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 N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1167	47	TUE-24	S19-01	Siphelele	Mahlaba	ECR	South Africa	The nexus between climate change and human activities in South Africa: A critical analysis review.
964	48	TUE-24	S19-02	Ermias	Sisay	ECR	Japan	SSP-RCPs scenario-based future land use change projection over Ethiopia
1665	49	TUE-24	S19-03	Will	Rynearson	Senior	Mexico	PEARL: Planetary Computer Land Cover Mapping
1454	50	TUE-24	S19-04	Semeena	Valiyaveetil	Senior	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

## S21- Impacts on food security and water availability

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
562	52	TUE-24	S21-01	Areidy Aracely	Beltran	ECR	USA	Global food self-sufficiency under climate change and sustainable irrigation expansion.
785	53	TUE-24	S21-02	Jordi	Cerdà	ECR	Spain	Understanding food insecurity in Africa through data-driven causal inference methods.
317	54	TUE-24	S21-03	Jerit	Dube	ECR	South Africa	Afromontane communities in a changing climate: An analysis of climate change impacts on food security and water availability in QwaQwa
1623	55	TUE-24	S21-04	Temitope Samuel	Egbebiyi	ECR	South Africa	Impact of Climate Change on Cash Crops in sub-Saharan Africa under CMIP6 Models
1250	56	TUE-24	S21-05	Nick	Gutkin	ECR	Belgium	Fusion of satellite and UAV methods to assess climate change impacts on agriculture at different scales
1591	57	TUE-24	S21-06	Jörg	Helmschrot	Senior	South Africa	Impact of climate extremes on dam operations and consequences for a forecast-driven dam management in Namibia
1180	58	TUE-24	S21-07	Shailendra	Mandal	ECR	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

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662	59	TUE-24	S21-08	Emanuel	Martin	ECR	United Republic of Tanzania	Local perceptions of climate change and adaptation responses from two mountain regions in Tanzania
466	60	TUE-24	S21-09	Bester	Mudereri	ECR	Kenya	Systematic spatial and temporal dynamics of the desert locust ( <i>Schistocerca gregaria</i> ) occurrence and invasion in eastern Africa
516	61	TUE-24	S21-10	Jane wangui	mugo	ECR	Kenya	Simulated effects of climate change on green gram production in Kitui County, Kenya
326	62	TUE-24	S21-11	Lucy	Mumo	ECR	Republic of Korea	Projected changes in climate suitability and yields of maize and sorghum crops over Kenya in the 21st century by CMIP5 Models
1378	63	TUE-24	S21-12	Miriam	Murambadoro	MCR	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	64	TUE-24	S21-13	Merishca	Naicker	ECR	South Africa	An evaluation of climate change effect on community gardens crop production aimed at enhancing household food security in Dlangezwa, Umdoni Municipality.
1306	65	TUE-24	S21-14	Linda	Ogallo	MCR	Kenya	State of Climate, Peace and Security in the Horn of Africa
1359	66	TUE-24	S21-15	Lia	Rapella	ECR	France	Modelling agrivoltaics in a climate perspective for a water-energy-food nexus analysis
610	67	TUE-24	S21-16	Lea	Schröder	ECR	Germany	Climate change impacts on land degradation and food security in shifting cultivation systems in mountainous terrain
87	68	TUE-24	S21-17	vera	sham	ECR	Switzerland	Triple effect system: Impact of polyploidization on stomata traits and photosynthesis in diploids, neopolyploids and evolved polyploid <i>Arabidopsis arenosa</i>
719	69	TUE-24	S21-18	Hoong Chen	Teo	ECR	Singapore	Large-scale reforestation can increase water yield and reduce drought risk for water-insecure regions in the Asia-Pacific
502	70	TUE-24	S21-19	Prakash C.	Tiwari	Senior	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

### S38 - Connecting regional impacts and climate information

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
776	71	TUE-24	S38-01	Herbert	Misiani	ECR	Kenya	Scaling up Anticipatory Action in Eastern Africa: Experiences and Lessons from Kenya.

### S40 - Lessons from failures

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
470	72	TUE-24	S40-01	NGUNJIRI	Ndirangu	ECR	Kenya	Population, Climate Change, and Sustainable Development in Africa

### PC12 –Changes in sea surface temperature patterns in the Tropics

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1698	93	TUE-24	PC12-01	Reyk	Börner	ECR	UK	Modeling wind-responsive diurnal SST for idealized cloud-resolving simulations

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
877	73	TUE-24	PC13-01	Chuanyu	Liu	MCR	China	Turbulent Mixing in the Barrier Layer of the Equatorial Pacific Ocean
235	74	TUE-24	PC13-02	Dongxiao	Wang	Senior	China	Surface wave effects on coastal submesoscale currents
1213	75	TUE-24	PC13-03	Fan	Wang	Senior	China	Roles of tropical Pacific surface salinity in affecting ENSO asymmetry
1235	76	TUE-24	PC13-04	Fan	Wang	Senior	China	An Ocean Data Resource Pool for Multi-scale Oceanic Process and Climate Change Studies

### PC14 - Ocean mixing and climate

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1343	77	TUE-24	PC14-01	Founi Mesmin	AWO	ECR	South Africa	Ocean salinity variation in Angola upwelling system and its potential impact on Angola coastal fish habitat
555	78	TUE-24	PC14-02	Sonya	Legg	Senior	USA	Parameterizing tidally-driven mixing in global climate models

### PC15 - Ocean predictability and predicNon on subseasonal to decadal time scales

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
476	79	TUE-24	PC15-01	Grant Smith	MCR	Australia	Marine heatwave prediction from weeks to months to seasons
257	80	TUE-24	PC15-02	Jingzhi Su	Senior	China	Unique 2020 La Niña promoted by tropical Indian and Atlantic Ocean warming

### PC16 - Marine heatwaves in the world oceans

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
709	81	TUE-24	PC16-01	Antonietta Capotondi	Senior	USA	An optimal large-scale precursor of Northeast Pacific marine heatwaves
907	82	TUE-24	PC16-02	Regina Rodrigues	Senior	Brazil	Extreme Compound Events in the tropical and South Atlantic
360	83	TUE-24	PC16-03	Jin-Yi Yu	Senior	USA	The North Pacific marine heatwave and its associated Pacific-Atlantic interactions

### PC17 – How can the EO community support adapta;on and mi;ga;on for the UNFCCC Paris Agreement

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
792	84	TUE-24	PC17-01	Luciano Pezzi	Senior	Brazil	Coordinated, sustainable Southern Ocean observations to support climate change mitigation and adaptation

### PC18 - Global climate observations for adaptation to climate extremes

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
999	85	TUE-24	PC18-01	Margot	Bador	MCR	France	FROGS: a daily 1°×1° gridded precipitation database of rain gauge, satellite and reanalysis products
1078	86	TUE-24	PC18-02	Samantha	Burgess	Senior	Germany	The central role of climate reanalyses in the context of adaptation to climate change; the example of the Copernicus Climate Change Service
1803	87	TUE-24	PC18-03	Ali	Behrangi	Senior	USA	The latest Global Precipitation Climatology Project Daily and Monthly products (Version 3.2): Summary and Comparisons
906	88	TUE-24	PC18-04	Regina	Rodrigues	Senior	Brazil	GCOS Adaptation Task Team: Outcomes on Ocean Extremes

### PC20 - Identifying and closing mountain climate observation gaps

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
530	89	TUE-24	PC20-01	Rob	Marchant	Senior	Namibia	Archetypes of Climate Change Adaptation across Africa's Mountains: a systematic review

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
397	90	TUE-24	PC22-01	Iijing	Cheng	MCR	China	Towards a comprehensive quantification of the uncertainty in observational ocean gridded dataset
827	91	TUE-24	PC22-02	Gokhan	Danabasoglu	Senior	USA	Simulated and Observed AMOC Transport Estimates in the North and South Atlantic
682	92	TUE-24	PC22-03	Priscilla	Heita	ECR	Namibia	Cellular Automata modelling and predicting informal settlements in Windhoek Namibia from 2018 to 2050

## WEDNESDAY 25 OCTOBER 2023

16h00-18h00

### S03 - Global and regional monsoons

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1441	1	WED-25	S03-01	Simona	Bordoni	Senior	Italy	Monsoon precipitation biases in storm-resolving NextGEMS Earth System Models
1464	2	WED-25	S03-02	Ayantika	Dey Choudhury	MCR	India	Unravelling the associations between rainfall intensification over Western India and Indian Ocean Dipole in a warming climate
1478	3	WED-25	S03-03	Ayantika	Dey Choudhury	MCR	India	Understanding the precipitating cloud systems that led to the devastating floods over Pakistan during the 2022 summer monsoon
1188	4	WED-25	S03-04	Danni	Du	ECR	USA	A potential pathway for the western tropical Pacific to modulate the Indian summer monsoon subseasonal anomalies
411	5	WED-25	S03-05	Kieran	Hunt	ECR	UK	The future of low-pressure systems in the Indian monsoon
173	6	WED-25	S03-06	Dr. Pankaj	Kumar	MCR	India	A Regional Earth System Modelling framework for Monsoon studies over CORDEX-SA region
1054	7	WED-25	S03-07	June Yi	Lee	Senior	Republic of Korea	Boreal Summer Intraseasonal Oscillation: Propagation, Interannual Variability, and Impacts on Extremes
1056	8	WED-25	S03-08	Arathy	Menon	MCR	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	9	WED-25	S03-09	Paul-Arthur	Monerie	MCR	UK	Uncertainty in future changes in Sahel precipitation: a role of the warming of the North Atlantic and Euro-Mediterranean areas
982	10	WED-25	S03-10	Ajaya	Ravindran	Senior	United Arab Emirates	Atlantic Zonal Mode: An emerging source of Indian summer monsoon variability in a warming world
558	11	WED-25	S03-11	Michelle	Simões Reboita	MCR	Brazil	Weather and Climate of South America: a Review
1617	12	WED-25	S03-12	Andrew	Turner	Senior	UK	The effects of climate change on the global and regional monsoons
1610	13	WED-25	S03-13	Andrew	Turner	Senior	UK	Mid-Latitude Controls on Monsoon Onset and Progression (the MiLCMOP project)
1624	14	WED-25	S03-14	Kieran	Hunt	Senior	UK	Non-linear intensification of monsoon low-pressure systems by the BSISO



Wednesday 25 October 2023

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
337	15	WED-25	S08-01	Apurva	Joshi	MCR	India	Indian Ocean acidification and its driving mechanisms over the last four decades (1980–2019)
1058	16	WED-25	S08-02	Alison	Cobb	ECR	USA	The Effect of The Blob marine heatwave on a U.S. West Coast Atmospheric River and Downstream Precipitation
722	17	WED-25	S08-03	Clement	Dehondt	ECR	France	Comparing different parameterizations of turbulent air-sea fluxes on the climate system and their mutual interactions
663	18	WED-25	S08-04	Hailong	Liu	MCR	China	Variability of Barrier Layer in the Tropical Atlantic
1240	19	WED-25	S08-05	Tanya	Marshall	ECR	South Africa	Engaging emerging researchers in Surface Ocean - Lower Atmosphere Study (SOLAS) science
294	20	WED-25	S08-06	maheswar	pradhan	ECR	India	Improving Thermodynamic Air-Sea Interaction in Coupled Model: Impact on Monsoon Simulation
576	21	WED-25	S08-07	Celina	Rodrigues	ECR	Brazil	The climate variability of CO2 flux in the Southwest Atlantic Ocean
1551	22	WED-25	S08-08	Meenakshi	Sreejith	ECR	India	The southern Annular Mode Impacts on Indian Ocean Surface Waves
414	23	WED-25	S08-09	Ankur	Srivastava	ECR	India	Role of the surface hydrological cycle in driving air-sea interactions and implications for predictability
874	24	WED-25	S08-10	Jianqi	Sun	Senior	China	Influence and prediction value of Arctic sea ice and tropical Pacific SST for spring Eurasian extreme heat events
1292	25	WED-25	S08-11	Brian	Ward	Senior	Ireland	Direct observations of air-sea fluxes in the South African Benguela Upwelling System
258	26	WED-25	S08-12	Shui	Yu	ECR	China	Intraseasonal mode of East Asian trough anomalies in boreal winter and specific possible mechanisms
1207	99	WED-25	S08-13	Precious	Mongwe	MCR	South Africa	The Observing Air-Sea Interactions Strategy (OASIS), a UN Ocean Decade programme

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## S18 - Current and future forcing, including aerosols and scenarios

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1709	27	WED-25	S18-01	Tomáš	Halenka	Senior	Czechia	Non-CO2 forcers and their climate, weather, air quality and health impacts – project FOCl
553	28	WED-25	S18-02	Franklin	Opijah	Senior	Kenya	Simulated Effect of Stratospheric Aerosol Intervention on Climate over Eastern Africa

## S20 -Impacts on land and marine ecosystems

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1145	29	WED-25	S20-01	Milica	Predragovic	ECR	Portugal	Biodiversity exposure to projected climate change may compromise future marine protected areas resilience under business-as-usual scenario
1845	108	WED-25	S20-02	Toyosi	Igejongbo	ECR	Nigeria	Climate change and marine coastal pelagic fisheries in the Gulf of Guinea (Central Western Africa)
1654	109	WED-25	S20-03	Friederike	Fröb	MCR	Norway	Reversibility of abrupt aerobic habitat loss

## S26 - Mitigation scenarios including overshoot and climate intervention

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1648	30	WED-25	S26-01	Babatunde	Abiodun	Senior	South Africa	Potential impacts of stratospheric aerosol injection on drought risk managements over major river basins in Africa
340	31	WED-25	S26-02	Anna-Adriana	Anschütz	ECR	Germany	Risks and benefits of ocean alkalinity enhancement in the Baltic Sea according to in-silico experiments
1031	32	WED-25	S26-03	Dr A. T.	Archibald	MCR	UK	Earth system impacts of a plausible near-term climate overshoot scenario
933	33	WED-25	S26-04	Frédéric	Bonou	MCR	Benin	Impact of Stratospheric Aerosol Geoengineering Injection on Marine Biogeochemistry Parameters in Gulf of Guinea
1460	34	WED-25	S26-05	Andrea	Dittus	ECR	UK	Regional impacts of climate stabilisation across multiple global warming levels
1512	35	WED-25	S26-06	Temitope Samuel	Egbebiyi	ECR	South Africa	Potential Impact of Stratospheric Aerosol Geoengineering on C3 Crops Suitability in West Africa

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994	36	WED-25	S26-07	Carla	Gulizia	MCR	Argentina	Changes in the mean and extreme South American climate under a stratospheric aerosol injection strategy
702	37	WED-25	S26-08	Peter	Irvine	MCR	UK	Managing temperature overshoot with solar geoengineering could shorten it by decades
1303	38	WED-25	S26-09	Hannah	Jose	ECR	Philippines (the)	Identifying outliers among ensembles of global climate models and selecting appropriate models for meteorological projections over Laguna lake, Philippines
1409	39	WED-25	S26-10	Andreas	L. S. Meyer	ECR	South Africa	Temperature overshoot disproportionately threatens endemic island vertebrates
1407	40	WED-25	S26-11	Andreas	L. S. Meyer	ECR	South Africa	Quantifying the impacts of solar radiation modification on biodiversity exposure to climate change
1024	41	WED-25	S26-12	Keane Carlo	Lomibao	ECR	Philippines (the)	Evaluation of different bias correction and downscaling methods for precipitation under solar radiation management scenarios in Laguna Lake, Philippines
970	42	WED-25	S26-13	Romaric	Odoulami	ECR	South Africa	Risk to precipitation and temperature extremes under solar geoengineering
600	43	WED-25	S26-14	Godwin	Ayesiga	MCR	Uganda	The Impacts of SRM on Seasonal and Intra-seasonal Climate Variability over East Africa
1251	44	WED-25	S26-15	Jörg	Schwinger	Senior	Norway	Emit now, mitigate later? Simulating the Earth system response to zero and negative emissions
387	45	WED-25	S26-16	Michelle	Simões Reboita	MCR	Brazil	Response of the Southern Hemisphere Extratropical Cyclone's Climatology to the Solar Radiation Management
1313	46	WED-25	S26-17	Budz	Tejada	ECR	Philippines (the)	Future Projections of Reference Crop Evapotranspiration using Machine Learning Techniques under G6Solar and G6Sulfur Experiments in Laguna, Philippines
1753	47	WED-25	S26-18	Matthew	Williams	ECR	Jamaica	Effects of GeoMIP G4 solar radiation modification on future variable renewable energy resources in the Caribbean

## S27 - Hazards and Extreme event

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
508	48	WED-25	S27-01	Hadisu Bello	Abubakar	ECR	South Africa	The spatiotemporal trend of Extreme precipitation events for the period between 1961-2021 over the Enkangala Escarpment of South Africa
693	49	WED-25	S27-02	Paola Andrea	Arias Gomez	MCR	Colombia	Droughts in the Orinoco river basin: a diagnostic analysis

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837	50	WED-25	S27-03	Brian	Ayugi	ECR	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
1619	51	WED-25	S27-04	Katharina	Baier	ECR	Austria	The role of moisture and heat transport for extreme droughts in the Amazon - a Lagrangian perspective
1016	52	WED-25	S27-05	Natacha	Bernier	Senior	Canada	Advancing Coastal Flooding Science: Coordinating Model Intercomparison and Surge Climate Projection Efforts.
265	53	WED-25	S27-06	Anna	del Moral Mendez	ECR	USA	Towards an improved near-term forecasting for Lake Victoria Basin: Convective diurnal cycle over the lake
280	54	WED-25	S27-07	Anna	del Moral Mendez	ECR	USA	Pre-convective environments for Lake Victoria using ERA5 reanalysis: identifying severe weather indexes for enhanced forecasts
281	55	WED-25	S27-08	Anna	del Moral Mendez	ECR	USA	Radar polarimetric signatures of severe convective storms: towards an Early Warning System for Lake Victoria Basin
903	56	WED-25	S27-09	Markus	Donat	MCR	Spain	Multi-decadal predictability of wet and dry precipitation extremes from external forcing and climate variability
1656	57	WED-25	S27-10	Nicolas	Gruber	Senior	Switzerland	Ocean extremes in the water column – from heatwaves to biogeochemical compound events
712	58	WED-25	S27-11	Bernard	Hakizimana	MCR	Rwanda	Towards an Intelligent and adapted small scale landslides monitoring system in East Africa
159	59	WED-25	S27-12	Vedaste	Iyakaremye	ECR	Rwanda	Increased high-temperature extremes and associated population exposure in Africa by the mid-21st century
358	60	WED-25	S27-13	Abdoulie F.R	Jadama	ECR	Gambia	Impacts of climate extreme events on the academic performance of learners in Basic education sector of the Northern and Central Region of The Gambia
651	61	WED-25	S27-14	Bor-Ting	Jong	ECR	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	62	WED-25	S27-15	Thomas	Jung	Senior	Germany	Storyline attribution and projections of recent extreme events using spectral nudging
566	63	WED-25	S27-16	Gregor	Leckebusch	Senior	UK	Towards a robust hazard assessment for the current and a changing climate
471	64	WED-25	S27-17	Nema	Ma-lyse	ECR	Côte d'Ivoire	To assess the local perception and adaptation strategies to landslide occurrence in the Kivu catchment of Rwanda
1336	65	WED-25	S27-18	John	Marsham	Senior	UK	WISER Early Warnings for Southern Africa (WISER-EWSA)
1505	66	WED-25	S27-19	Innocent	Masukwedza	ECR	UK	Extreme agrometeorological events over Zimbabwe: Characteristics and drivers
1114	67	WED-25	S27-20	Shingirai	Nangombe	ECR	South Africa	Climate change attribution of the 2018 early summer drought over South Southern Africa

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1597	68	WED-25	S27-21	Nishadh	Kalladath	MCR	Kenya	Application of the LISFLOOD-FP Hydrodynamic Model for Impact-Based Forecasting over the Eastern Africa Region
973	69	WED-25	S27-22	Colin	Price	Senior	Israel	Monitoring wildfire hazards using smartphones. <i>(Withdrawn)</i>
1315	70	WED-25	S27-23	Lia	Rapella	ECR	France	Climate change on extreme winds already affects off-shore wind power availability in Europe
570	71	WED-25	S27-24	Juan	Rivera	MCR	Argentina	Unprecedented multi-year hydrological drought in the Andean basins of Central-Western Argentina
189	72	WED-25	S27-25	Sarah	Roffe	ECR	South Africa	Summer-time heat stress patterns across southern Africa for 1979-2021: climatology, temporal trends and interannual variability patterns <i>(Withdrawn)</i>
885	73	WED-25	S27-26	Anastasiya	Shyrokaya	ECR	Sweden	Advances and gaps in the science and practice of impact-based forecasting of droughts
634	74	WED-25	S27-27	Jeewanthi	Sirisena	ECR	Germany	Flood hazard assessment under projected future extreme rainfall conditions in Mediterranean areas: a case study in North Eastern Sicily
824	75	WED-25	S27-28	Julienne	Stroeve	Senior	Canada	A Case Study of One Winter's Extreme Storminess from Science and Community Perspectives
1088	76	WED-25	S27-29	Wanjiru	Thoithi	ECR	South Africa	The contribution of mesoscale weather systems to extreme rainfall over the coast of southeastern Africa: The April 2022 event
523	77	WED-25	S27-30	Uwe	Ulbrich	Senior	Germany	Impacts of climate change and weather extremes in Europe: building a knowledge base for decision support
737	78	WED-25	S27-31	Meng	Xia	MCR	USA	Storm Surge Modeling: Influencing Factors
1339	79	WED-25	S27-32	James	Young	ECR	UK	Social sensing of flood impacts in India: A case study of Kerala 2018

## S28 - Regional information – Data and methods

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1421	80	WED-25	S28-01	Andressa	Andrade Cardoso	ECR	Brazil	The selection of Global Climate Models based on the storyline approach to be downscaled over the South American domain
450	81	WED-25	S28-02	Hari Charan	Behera	MCR	India	Community responses to drinking water supply and potential future challenges: A sample study within 10 miles radius of Giridih municipal corporation, Jharkhand, India
1525	82	WED-25	S28-03	Rajesh	Kumar	MCR	USA	Development of an air quality early warning system for eastern and southern Africa

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1066	83	WED-25	S28-04	Grigory	Nikulin	Senior	Sweden	High-resolution climate projections for the Mashreq region
1231	84	WED-25	S28-05	Titike	Bahaga	ECR	Norway	Probabilistic Rainy Season Onset Prediction over the Greater Horn of Africa based on Long-Range Multi-Model Ensemble Forecasts.

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1547	85	WED-25	S35-01	Polina	Khapikova	ECR	USA	Global bias corrected and downscaled projections of humid heat stress
1092	86	WED-25	S35-02	Peter	van Oevelen	Senior	USA	From Data to Knowledge to Action in the Context of the GEWEX Regional Hydroclimate Projects

### S36 - Observations for decisions

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1583	87	WED-25	S36-01	Will	Rynearson	MCR	USA	Using open source, easily configurable Earth Observation visualizations to connect the science community and policy makers
451	88	WED-25	S36-02	Jörg	Klausen	Senior	Switzerland	Taking stock of observing capabilities for designing a pan-African atmospheric and climate research infrastructure (KADI): Lessons learnt from Kenya and best practices

### PC23 - Earth System models for the future

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
469	89	WED-25	PC23-01	Birgit	Hassler	MCR	Germany	Comprehensive and rapid benchmarking of Earth system models with ESMValTool
1085	90	WED-25	PC23-02	Masa	Kageyama	Senior	France	Introducing the French national programme TRACCS: TRANSformative Advances in Climate modelling for Climate Services
1305	91	WED-25	PC23-03	Saloua	Peatier	ECR	France	Climate model tuning : parametric dependance of climate feedbacks

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1050	108	WED-25	PC24-01	Nagio	Hirota	MCR	Japan	Development of MIROC7: Mean states, variability, and climate sensitivity
565	109	WED-25	PC24-05	Nagio	Hirota	MCR	Japan	Towards a better understanding of Arctic climate change and its consequences – the activities of the SENTAN project –
705	110	WED-25	PC24-02	Michio	Kawamiya	Senior	Japan	Advanced studies of climate change projection – Area Theme 2: Biogeochemical modeling and climate simulations for carbon budget assessment
1580	111	WED-25	PC24-06	Michio	Kawamiya	Senior	Japan	Atlantic impacts on subdecadal warming over the tropical Pacific in the 2000s
937	112	WED-25	PC24-03	Irina	Melnikova	ECR	Japan	Assessing carbon cycle projections from simple and complex models under SSP scenarios
1722	113	WED-25	PC24-04	Tomoko	Nitta	Senior	Japan	Design and Development of Integrated Land Simulator (ILS)
774	114	WED-25	PC24-07	Tomoko	Nitta	Senior	Japan	Introducing the research area 3 of SENTAN program - Promoting research for a national climate change scenario
1185	115	WED-25	PC24-08	Masahiro	Watanabe	Senior	Japan	Climate change impact assessments of natural hazards based on large-ensemble projections
1580	116	WED-25	PC24-09	Masahiro	Watanabe	Senior	Japan	Atlantic impacts on subdecadal warming over the tropical Pacific in the 2000s

### PC25 - Towards more inclusive future climate scenarios

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
395	96	WED-25	PC25-01	Felix	Kwabena	ECR	Ghana	Inclusivity in future climate scenarios: An opportunity to Leave No One Behind
1172	97	WED-25	PC25-02	Felix	Kwabena	Senior	USA	Safe Landing Pathways

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### PC26 - Open innova3on for Earth science research

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1513	98	WED-25	PC26-01	Beata	Csatho	ECR	USA	Ghub: A science gateway for unifying ice sheet science and education

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1172	97	WED-25	PC25-02	Felix	Kwabena	Senior	USA	Safe Landing Pathways
1513	98	WED-25	PC26-01	Beata	Csatho	ECR	USA	Ghub: A science gateway for unifying ice sheet science and education
1579	99	WED-25	PC28-01	Vitus	Benson	ECR	Germany	Meteo-guided video prediction of localized weather impacts on remotely sensed vegetation
1546	100	WED-25	PC28-02	K A	Nishadh	ECR	Kenya	How do Bayesian Networks support impact-based forecasting for informed decision?
1714	101	WED-25	PC28-03	Jakob	Wessel	ECR	UK	Pattern-based multivariate statistical post-processing of temperature ensemble predictions

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1802	102	WED-25	PC29-01	Amna	Jrrar	MCR	Jordan	Comparison of Projections of Extreme Precipitation Indices for Jordan From High-Resolution EURO-CORDEX and MSH Domain RCM Simulations
1425	103	WED-25	PC29-02	Louis-Philippe	Caron	MCR	Canada	Analysis of future severe water shortages in Quebec and their impacts through the use of storylines
1209	104	WED-25	PC29-03	Phuong Loan	Nguyen	ECR	Australia	Selecting regional climate models based on their skill could give more credible precipitation projections over the complex Southeast Asia region



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1109	105	WED-25	PC29-04	Camila	Prudente	ECR	Argentina	Interdisciplinary and cross-sectoral construction of flood alerts at the Matanza River Basin -Argentina-: A Community-Based Approach to Disaster Risk Management
1246	106	WED-25	PC29-05	Wan-Ling	Tseng	MCR	Taiwan, China	Impact of Pacific—Japan pattern on temperature and heatwave events in summer over Taiwan
1465	107	WED-25	PC29-06	Wenxia	Zhang	ECR	China	Constraining extreme precipitation projections using past precipitation variability

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## TURSDAY 26 OCTOBER 2023

16h00-18h00

### S07 - Atmosphere-land interactions

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
649	1	THU-26	S07-01	Lucía M	Cappelletti	ECR	Argentina	Surface soil drying to explore flooding and waterlogging conditions over agricultural plains
920	2	THU-26	S07-02	Mingshan	Deng	ECR	China	Impact of climatic and vegetation dynamic change on runoff over the Three Rivers Source Region based on the Community land model
1419	3	THU-26	S07-03	Kirsten	Findell	Senior	USA	Coherent mechanistic patterns of terrestrial hydroclimatic change (or understanding land-atmosphere feedbacks in different climate regimes)
273	4	THU-26	S07-04	Donglin	Guo	MCR	China	Local changes in snow depth dominate the evolving pattern of elevation-dependent warming on the Tibetan Plateau
1599	5	THU-26	S07-05	Conni	Klein	Senior	UK	Changes in land surface effects on organised convection in a convection-permitting climate projection
1065	6	THU-26	S07-06	Luca	Maria	ECR	Germany	How do tropical land masses receive more rain than tropical oceans?
917	7	THU-26	S07-07	Xianhong	Meng	Senior	China	Strong soil moisture-atmosphere interactions on the Tibetan Plateau and its behind energy mechanism
971	8	THU-26	S07-08	Colin	Price	Senior	Israel	Is Amazon deforestation decreasing the number of thunderstorms over Tropical America? <i>(Withdrawn)</i>
1274	9	THU-26	S07-09	Joshua	Talib	ECR	UK	Surface drivers of sub-seasonal predictability across Africa
658	10	THU-26	S07-10	Andres	Tangarife-Escobar	ECR	Germany	Moisture and temperature effects on the radiocarbon signature of respired carbon dioxide to assess stability of soil carbon in the Tibetan Plateau
1375	11	THU-26	S07-11	Semeena	Valiyaveetil	Senior	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	12	THU-26	S07-12	Aihui	Wang	Senior	China	The relative contribution of large-scale circulation and local soil moisture to summer precipitation over Asian mid-low latitudes

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
1035	27	THU-26	S09-01	A. T. Archibald	MCR	UK	Atmospheric composition and climate impacts of a future hydrogen economy
646	28	THU-26	S09-02	Marina Friedel	ECR	Switzerland	Consequences of Arctic ozone depletion and recovery for surface climate
1381	29	THU-26	S09-03	Dr Nana Ama Browne	MCR	Ghana	Solar Radiation Management with Stratospheric Aerosol interactions with Harmattan and associated potential impacts on temperature over West Africa
902	30	THU-26	S09-04	ayassou koffi	ECR	Togo	Evolution of ozone above Togo during the1979-2020
62	31	THU-26	S09-05	Fabien Idrissa	ECR	Rwanda	Investigating the mechanisms driving the seasonal variations of surface PM2.5 concentrations over East Africa with the WRF-Chem model
63	32	THU-26	S09-06	Fabien Idrissa	ECR	Rwanda	Investigating the impacts of Nyamuragira Volcano eruption of 2006 on regional weather over the Congo Basin with the WRF-Chem model
1792	33	THU-26	S09-07	Susann Tegtmeier	MCR	Canada	Disentangling dynamical and chemical drivers of stratospheric trace gas trends

**S10 - Lessons from paleoclimate for recent and future climate change**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title
1127	34	THU-26	S10-01	Cristiano Chiessi	Senior	Brazil	Causes, patterns and consequences of millennial-scale changes in tropical South American precipitation
698	35	THU-26	S10-02	Christian Laag	ECR	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	36	THU-26	S10-03	Christian Laag	ECR	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	37	THU-26	S10-04	Anna Pienkowski	MCR	Poland	The PAGES ACME Working Group - Arctic Cryosphere Change and Coastal Marine Ecosystems - linking past, present, and future

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1118	38	THU-26	S10-05	Anna	Pienkowski	MCR	Poland	Polar marine environments and ecosystems under a warming climate: recent deglacial records from the Antarctic Peninsula
918	39	THU-26	S10-06	Aradhna	Tripati	Senior	USA	Observational Benchmarks for Temperature and Hydroclimates Derived from Carbonate Clumped Isotope Data, Past to Future
408	40	THU-26	S10-07	Ran	Zhang	MCR	China	Modeling the evolution of central Asian drylands during the Cenozoic
895	41	THU-26	S10-08	Feng	Zhu	ECR	USA	A re-appraisal of the ENSO response to volcanism with paleoclimate data assimilation

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1733	42	THU-26	S23-01	Amanda	Maycock	MCR	UK	Model diversity in multidecadal NAO variability explained by stratosphere-troposphere coupling
1202	43	THU-26	S23-02	Tim	Raupach	ECR	Australia	Recent changes in hailstorm-prone conditions in Australia

### S25 -Regional climate change

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
261	44	THU-26	S25-01	Amita	Kumari	ECR	India	Evaluation and Future Projection of the Extreme Precipitation over India and its homogeneous regions: A Regional Earth System Model Perspective
1659	45	THU-26	S25-02	Roelof	Bruintjes	Senior	Rwanda	Climate variability and multi-hazard early warnings systems in Rwanda
1142	46	THU-26	S25-03	Candice	Charlton	ECR	Jamaica	Evaluating skill of the Keetch–Byram Drought Index, Vapour Pressure Deficit and Water Potential for determining bushfire potential in Jamaica
989	47	THU-26	S25-04	Alima	Dajuma	ECR	Rwanda	Projections of heat stress and associated work productivity over Africa during the late 21st Century
998	48	THU-26	S25-05	Alima	Dajuma	ECR	Rwanda	Climatology, interannual variability and significant trends based on multiple heat stress indicators in Africa

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347	49	THU-26	S25-06	Alessandro	Dosio	Senior	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
416	50	THU-26	S25-07	Paul Gérard	Gbetkom	ECR	France	Lake Chad vegetation cover and surface water variations in response to rainfall fluctuations under recent climate conditions (2000–2020)
1472	51	THU-26	S25-08	Neil	Hart	MCR	UK	The decline of tropical-extratropical cloud bands in the Southern Hemisphere subtropics
1466	52	THU-26	S25-09	Tall	Moustapha	ECR	Rwanda	Drought variability, changes and hot spots across the African continent during the historical period (1928-2017)
1136	53	THU-26	S25-10	Tall	Moustapha	ECR	Rwanda	Prolonged expansion of dryness conditions over Africa from historical to future periods (1925-2100): an analysis based on observations and simulations
49	54	THU-26	S25-11	Didier	Ntwali	ECR	Rwanda	Role of climate projections in improving policies on climate change mitigation and adaptation in the agriculture and food security
1322	55	THU-26	S25-12	Erika	Coppola	MCR	Italy	The most extreme rainfall within the European great alpine region: detection and sensitivity to the global warming
1104	56	THU-26	S25-13	Kevin	Schwarzwald	ECR	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	125	THU-26	S25-14	Nadia	Testani	ECR	Argentina	Cloudiness decrease over Northeastern Argentina based on two lines of evidence: Surface Observations and Satellite-Derived Data
1416	58	THU-26	S25-15	Natalia	Zazulie	ECR	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 N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1629	59	THU-26	S30-01	Juan Antonio	Fernandez de la Granja	ECR	Spain	Global assessment of future changes in low-level circulation based on the Jenkinson–Collison weather type classification

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1318	60	THU-26	S30-02	Rachel	James	MCR	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	61	THU-26	S30-03	Innocent	Masukwedza	ECR	UK	Today's risk of extreme events in US counties
924	62	THU-26	S30-04	Timothy	Naish	Senior	New Zealand	Incorporating vertical land movements into probabilistic sea-level projections: The New Zealand case
1219	63	THU-26	S30-05	Kevin	Schwarzwald	ECR	USA	Understanding the sources of climate uncertainty in projections of climate impacts
811	124	THU-26	S30-06	Rowan	Sutton	Senior	UK	Storylines for future changes of the North Atlantic jet and associated impacts on the UK

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1043	64	THU-26	S31-01	Leandro	Diaz	ECR	Argentina	Co-production of a week-2 rainfall probabilistic prediction tool for small farmers activities in southern South America
756	65	THU-26	S31-02	ER-RETBY	Houda	ECR	Morocco	Moroccan green cities' effects on the ecological transition
1358	66	THU-26	S31-03	Vladimir	Kattsov	Senior	Russian Federation	Towards a new level of quantifying climate change and variability in Russia for management decisions
1051	67	THU-26	S31-04	Camila	Prudente	ECR	Argentina	Community hydrological monitoring network through the co-production of knowledge
406	68	THU-26	S31-05	Katie	Quail	ECR	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	126	THU-26	S31-06	Nadia	Testani	ECR	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
1534	70	THU-26	S31-07	Richard	Balbuena Cano	Senior	USA	GIS for community health
808	71	THU-26	S31-08	Sue	van Rensburg	Senior	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

**S32 - Capacity development for climate services**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1410	72	THU-26	S32-01	Pablo	Borges de Amorim	MCR	Brazil	Benefits from a short-duration virtual training on Climate Risks and Adaptation for the implementation of the National Adaptation Plan in Brazil.
1621	73	THU-26	S32-02	Nicole	Herman-Mercer	MCR	USA	Using a knowledge co-production framework to develop climate data and information that is useful and useable for Arctic Indigenous communities
1786	74	THU-26	S32-03	Cathy Wing Yi	Li	SENIOR	Germany	Co-production of environmental services: from science to capacity building and operation

**S33 - Linking policy and climate information**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
680	75	THU-26	S33-01	Md Khalid	Hossain	ECR	Australia	Information needs and methods of accessing climate information by children and youth in urban Bangladesh for climate action: A policy-practice agenda

**PC31 - Climate extremes & risk: Impacts, cascades, feedbacks with biosphere and society**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
751	76	THU-26	PC31-01	Delphine	Farmer	Senior	USA	Wildfire smoke effects on air, homes, and ecosystems: A synthesis of atmospheric chemistry observations
205	77	THU-26	PC31-02	Christian	Franzke	MCR	Republic of Korea	Perspectives on tipping points in integrated models of the natural and human Earth system: cascading effects and telecoupling
810	78	THU-26	PC31-03	Marine	Lanet	ECR	France	Climate dryness as a driver for wildfire occurrence in Southwest France
1053	79	THU-26	PC31-04	Shailendra	Mandal	ECR	India	Making resilience building work for societal resilience and reaching the SDGs, while facing climate extremes: Strategies for resource constrained metropolitan city of India

**PC32 - Understanding and modeling of weather and climate extremes and related complex risks**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1471	80	THU-26	PC32-01	Camille	Cadiou	ECR	France	Simulating extreme cold winters in Europe with empirical importance sampling
275	81	THU-26	PC32-02	Davide	Faranda	MCR	France	Analogues Methods for attribution of extreme events to climate change, application to the exceptional 2022 European-Mediterranean drought
204	82	THU-26	PC32-03	Christian	Franzke	MCR	Republic of Korea	Changing temporal volatility of precipitation extremes due to global warming
452	83	THU-26	PC32-04	Mireia	Ginesta Fernandez	ECR	France	Effect of anthropogenic climate change on explosive cyclogenesis cases in Europe
1099	84	THU-26	PC32-05	Ronak	Patel	ECR	USA	Probabilities of Hydrometeorological Extremes in a Changing Climate
820	85	THU-26	PC32-06	Juan	Rivera	MCR	Argentina	Recent extreme drought over La Plata Basin: a glimpse of the future?
1572	86	THU-26	PC32-07	Jakob	Wessel	ECR	UK	A multisite precipitation weather generator using GAMLSS

**PC33 Climate extreme changes and associated impacts**

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
259	87	THU-26	PC33-01	Dong	Chen	ECR	China	Interdecadal Variation and Causes of Drought in Northeast China in Recent Decades
266	88	THU-26	PC33-02	Huopo	Chen	MCR	China	Variations in Summer Extreme Hot-Humid Events over Eastern China and the Possible Associated Mechanisms
864	89	THU-26	PC33-03	Thierry C.	Fotso-Nguemo	ECR	Cameroon	On the analysis of compound rainfall and temperature extremes over Africa at 1.5 and 2 °C global warming levels
267	90	THU-26	PC33-04	Ya	Gao	MCR	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?



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291	91	THU-26	PC33-05	Xuejie	Gao	Senior	China	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific based on Multi-RegCM4 Simulations
353	92	THU-26	PC33-06	Qin	Hu	ECR	China	Spatial-Temporal Evaluation and Future Projection of Diurnal Temperature Range over the Tibetan Plateau in CMIP6 Models
500	93	THU-26	PC33-07	Xianghui	Kong	ECR	China	The hourly precipitation frequencies in the tropical-belt version of WRF: sensitivity to cumulus parameterizations and radiative schemes
271	94	THU-26	PC33-08	yang	liu	ECR	China	Interannual variability in August drought in northern China and the corresponding climate shift
329	95	THU-26	PC33-09	Jiapeng	Miao	ECR	China	Multidecadal variations in East Asian winter temperature since 1880: Internal variability versus external forcing
1699	96	THU-26	PC33-10	Tlotlo V.	Morupisi	ECR	Botswana	The synoptic decomposition of heat waves over Botswana
169	97	THU-26	PC33-11	S	Nandini	ECR	Germany	Future Shifts in Sea level Statistics using the MPI Large Ensemble Simulation
304	98	THU-26	PC33-12	Zhiping	Tian	MCR	China	Index- and model-dependent projections of East Asian summer monsoon in CMIP6 simulations
331	99	THU-26	PC33-13	Xiaoxin	Wang	ECR	China	Detectable anthropogenic influence on summer compound hot events over China from 1965 to 2014
346	100	THU-26	PC33-14	Zhiqing	Xu	Senior	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	101	THU-26	PC33-15	Ying	Xu	Senior	China	Assessment of Simulation Capability and Projection of Drought over China Based on CMIP6 Global Climate Models
349	102	THU-26	PC33-16	Mengqi	Zhang	ECR	China	Impacts of North Atlantic sea surface temperature on the predominant modes of spring precipitation monthly evolution over Northeast China

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1704	103	THU-26	PC34-01	Carly	Frank	ECR	USA	Steps towards co-producing relevant heat stress projections in West Africa

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1549	104	THU-26	PC36-01	Tania	Duba	ECR	South Africa	Sustainable small scale fisheries livelihood under uncertainty: participatory scenario planning for Community adaptation response to climate change impacts

### PC37 - Impacts of climate change on food security

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1462	105	THU-26	PC37-01	Fiona	Spuler	ECR	UK	Identifying meteorological drivers of food insecurity at sub-seasonal to seasonal timescales: a case study using the household economy approach
1777	106	THU-26	PC37-02	Daniel	Niyikiza	Senior	Rwanda	Designing good agronomic practices for grapes (Vitis) in tropical environments of Rwanda

### PC38 - The importance of women in climate change resilience

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
1379	107	THU-26	PC38-01	Butera	Blanche	ECR	UK	The gender, equality, and social inclusion aspects of the adaptation finance gap
1782	108	THU-26	PC38-02	Palmira	Cuéllar	ECR	Mexico	"Brigadas de norte a sur", Empowering women for climate change; an example from Mexico City
1517	109	THU-26	PC38-03	Shailendra	Mandal	ECR	India	Women at the core to make slums climate-resilient: A case study of the Metropolitan city of India
531	124	THU-26	PC38-04	Sithabile	Hlahla	ECR	South Africa	Climate–Urban Nexus: A Study of Vulnerable Women in Urban Areas of KwaZulu-Natal Province, South Africa

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### PC39 - Young students empowerment regarding climate change issues

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
239	110	THU-26	PC39-01	Valentina	Rabanal	ECR	Argentina	Outcomes and lessons learned of the participation of Early Career Researchers in group reviews of the last IPCC reports

### PC40 Climate services in the Global South

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
202	111	THU-26	PC40-01	Syed Ahsan	Ali Bokhari	ECR	Pakistan	Strengthening climate services in Pakistan: learning from prototype climate service in China
1581	112	THU-26	PC40-02	Jörg	Helmschrot	Senior	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	113	THU-26	PC40-03	Roché	Mahon	MCR	Barbados	Co-producing climate services in the Global South: Successes, challenges and lessons learnt from Caribbean small island developing states
890	114	THU-26	PC40-04	Simon Peter	Muwafu	ECR	Germany	Co-Produced Climate Services for Locally Led Adaptation in the Global South
641	115	THU-26	PC40-05	Anna	Sorensson	MCR	Argentina	A bottom-up approach to climate services from the Global South: the My Climate Risk CONICET Argentina Hub
390	124	THU-26	PC40-06	Shizhu	Wang	ECR	China	OSF: linking ocean sciences to ocean solutions

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
201	116	THU-26	PC41-01	Lincoln	Alves	MCR	Brazil	Co-production of climate impact information over Brazil
1431	117	THU-26	PC41-02	Louis-Philippe	Caron	MCR	Canada	Developing tailored climate information for a large audience with varied needs in Canada

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1422	118	THU-26	PC41-03	Song Guan	Guan	MCR	China	DCC-OCC promoting the science-policy interface in UN Ocean Decade global network
1080	119	THU-26	PC41-04	Eunice Koech	Koech	ECR	Kenya	Cascading co-production of climate services from regional to sub-national levels: Experiences from Eastern Africa
1769	120	THU-26	PC41-05	Roxy Mathew Koll	Koll	MCR	India	Community based Rain, River, and Flood Monitoring System from Kerala, India — a Success Model for Collective Climate Solution.

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

ID N°	Poster board N°	Poster number	First Name	Last name	Career Stage	Country	Abstract title	
255	121	THU-26	PC43-01	Ajibola Akanji	Akanji	ECR	Nigeria	Climate Change Mitigation: An Africanist Appraisal of the Intersection of Laws, Public Administration, and Co-operatives.
376	122	THU-26	PC43-02	Felix Kwabena Donkor	Donkor	ECR	Ghana	Climate change and livelihood resilience: Opportunities for multi-sectoral approaches to build back better
410	123	THU-26	PC43-03	anshika srivastava	srivastava	ECR	India	Mapping Trends in National Climate Legislation across the World

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ID	Poster board N°	DAY	POSTER N°	Submitter first name	Submitter last name	Abstract
1260	119	MON-23	PC09-05	Abubaker Omer	Abbass Osman	Exploring the Complexities of Dams' Impact on Transboundary Flow: A Meta-Analysis of Climate and Basin Factors
1648	30	WED-25	S26-01	Babatunde	Abiodun	Potential impacts of stratospheric aerosol injection on drought risk managements over major river basins in Africa
508	48	WED-25	S27-01	Hadisu Bello	Abubakar	The spatiotemporal trend of Extreme precipitation events for the period between 1961-2021 over the Enkangala Escarpment of South Africa
172	39	MON-23	S22-01	Mojisola	Adeniyi	Simulation of the impacts of 1.5oC to 3oC regional warming levels on heat related death over West Africa
838	1	MON-23	S01-01	Parya	Adibi	Impact of the El Niño–Southern Oscillation on the climate of Iran
255	121	THU-26	PC43-01	Ajibola	Akanji	Climate Change Mitigation: An Africanist Appraisal of the Intersection of Laws, Public Administration, and Co-operatives.
254	83	MON-23	S39-01	Ajibola	Akanji	Nigerian Climate Change Act 2021: Critique from a Cooperativist Perspective
202	111	THU-26	PC40-01	Syed Ahsan	Ali Bokhari	Strengthening climate services in Pakistan: learning from prototype climate service in China
201	116	THU-26	PC41-01	Lincoln	Alves	Co-production of climate impact information over Brazil
1421	80	WED-25	S28-01	Andressa	Andrade Cardoso	The selection of Global Climate Models based on the storyline approach to be downscaled over the South American domain
340	31	WED-25	S26-02	Anna-Adriana	Anschütz	Risks and benefits of ocean alkalinity enhancement in the Baltic Sea according to in-silico experiments
1357	106	MON-23	PC06-01	A. T.	Archibald	The Parameterized Ozone Scheme in the UM: Impacts of interactive stratospheric ozone on seasonal-to-decadal climate.
1035	27	THU-26	S09-01	A. T.	Archibald	Atmospheric composition and climate impacts of a future hydrogen economy
1031	32	WED-25	S26-03	A. T.	Archibald	Earth system impacts of a plausible near-term climate overshoot scenario

690	1	TUE-24	S04-01	Paola Andrea	Arias Gomez	A drier Orinoco basin during the 21st century: the role of the Orinoco low-level jet
693	49	WED-25	S27-02	Paola Andrea	Arias Gomez	Droughts in the Orinoco river basin: a diagnostic analysis
1408	2	MON-23	S01-02	Omar	Assowe	Spatio-temporal variability and trends of rainfall over the Republic of Djibouti
1343	77	TUE-24	PC14-01	Founi Mesmin	AWO	Ocean salinity variation in Angola upwelling system and its potential impact on Angola coastal fish habitat
556	14	TUE-24	S11-01	Godwin	Ayesiga	Linking Equatorial African precipitation to Kelvin wave processes in the CP4-Africa convection-permitting regional climate simulation
600	43	WED-25	S26-14	Godwin	Ayesiga	The Impacts of SRM on Seasonal and Intra-seasonal Climate Variability over East Africa
837	50	WED-25	S27-03	Brian	Ayugi	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
1338	16	MON-23	S02-01	Boris	Babanov	Low-frequency atmospheric circulation regimes in Northern Eurasia and associated weather anomalies
999	85	TUE-24	PC18-01	Margot	Bador	FROGS: a daily 1°×1° gridded precipitation database of rain gauge, satellite and reanalysis products
1248	33	MON-23	S15-01	Margot	Bador	Future seasonal changes in extreme precipitation scale with changes in the mean
1231	84	WED-25	S28-05	Titike	Bahaga	Probabilistic Rainy Season Onset Prediction over the Greater Horn of Africa based on Long-Range Multi-Model Ensemble Forecasts.
1619	51	WED-25	S27-04	Katharina	Baier	The role of moisture and heat transport for extreme droughts droughts in the Amazon - a Lagrangian perspective
1534	70	THU-26	S31-07	Richard	Balbuena Cano	GIS for community health
1309	2	TUE-24	S04-02	Rondrotiana	Barimalala	The roles of southeastern African river valley jets on regional rainfall
648	31	MON-23	S14-01	Susanne	Bauer	Trends in Earth's radiative fluxes driven by changes in forcings and atmospheric composition
450	81	WED-25	S28-02	Hari Charan	Behera	Community responses to drinking water supply and potential future challenges: A sample study within 10 miles radius of Giridih municipal corporation, Jharkhand, India

1803	87	TUE-24	PC18-03	Ali	Behrangi	The latest Global Precipitation Climatology Project Daily and Monthly products (Version 3.2): Summary and Comparisons
562	52	TUE-24	S21-01	Areidy Aracely	Beltran	Global food self-sufficiency under climate change and sustainable irrigation expansion.
1579	99	WED-25	PC28-01	Vitus	Benson	Meteo-guided video prediction of localized weather impacts on remotely sensed vegetation
1575	42	TUE-24	S13-01	Vitus	Benson	Atmospheric transport modeling with graph neural networks
1016	52	WED-25	S27-05	Natacha	Bernier	Advancing Coastal Flooding Science: Coordinating Model Intercomparison and Surge Climate Projection Efforts.
1379	107	THU-26	PC38-01	Butera	Blanche	The gender, equality, and social inclusion aspects of the adaptation finance gap
933	33	WED-25	S26-04	Frédéric	Bonou	Impact of Stratospheric Aerosol Geoengineering Injection on Marine Biogeochemistry Parameters in Gulf of Guinea
1441	1	WED-25	S03-01	Simona	Bordoni	Monsoon precipitation biases in storm-resolving NextGEMS Earth System Models
1410	72	THU-26	S32-01	Pablo	Borges de Amorim	Benefits from a short-duration virtual training on Climate Risks and Adaptation for the implementation of the National Adaptation Plan in Brazil.
1721	84	MON-23	S39-02	Pablo	Borges de Amorim	Supporting the implementation of the Brazilian National Framework of Climate Services through the development of a web-based catalog.
1698	93	TUE-24	PC12-01	Reyk	Börner	Modeling wind-responsive diurnal SST for idealized cloud-resolving simulations
1107	118	MON-23	PC09-04	Marcus	Bottino	Amazon Deforestation and Climate Change: Extreme Events of droughts and air temperature
691	40	MON-23	S22-02	Christopher	Boyer	Engaging stakeholders and informing capacity building for heat health warning systems in Africa
1659	45	THU-26	S25-02	Roelof	Bruintjes	Climate variability and multi-hazard early warnings systems in Rwanda
1140	3	TUE-24	S04-03	Alejandro	Builes Jaramillo	The ENSO phase transitions influence over the Low-Level Jets of Northern South America
1143	95	MON-23	PC01-03	Alejandro	Builes-Jaramillo	Precipitation over the Far Eastern Colombian Pacific during the OTREC campaign: Linkages Choco Low-Level Jet and Wind Shear

1078	86	TUE-24	PC18-02	Samantha	Burgess	The central role of climate reanalyses in the context of adaptation to climate change; the example of the Copernicus Climate Change Service
1706	61	MON-23	S29-01	Samantha	Burgess	Climate monitoring for informing society
1223	4	TUE-24	S04-04	Rodrigo	Caballero	The hemispheric asymmetries of midlatitude surface winds
1471	80	THU-26	PC32-01	Camille	Cadiou	Simulating extreme cold winters in Europe with empirical importance sampling
709	81	TUE-24	PC16-01	Antonietta	Capotondi	An optimal large-scale precursor of Northeast Pacific marine heatwaves
649	1	THU-26	S07-01	Lucía M	Cappelletti	Surface soil drying to explore flooding and waterlogging conditions over agricultural plains
1425	103	WED-25	PC29-02	Louis-Philippe	Caron	Analysis of future severe water shortages in Quebec and their impacts through the use of storylines
1431	117	THU-26	PC41-02	Louis-Philippe	Caron	Developing tailored climate information for a large audience with varied needs in Canada
954	30	TUE-24	S11-17	Nuno	Carvalhais	Integration of a deep-learning-based fire model into a global land surface model
1415	17	MON-23	S02-02	Leone	Cavicchia	Towards AI-enhanced seasonal prediction of Mediterranean cyclones
785	53	TUE-24	S21-02	Jordi	Cerdà	Understanding food insecurity in Africa through data-driven causal inference methods.
1216	110	MON-23	PC07-01	Swagatika	Chakra	Contrasting trends in rainfall climatology between South Peninsula & Northeast India
1142	46	THU-26	S25-03	Candice	Charlton	Evaluating skill of the Keetch–Byram Drought Index, Vapour Pressure Deficit and Water Potential for determining bushfire potential in Jamaica
520	80	MON-23	S37-01	Cheikh Modou	Noreyni	Evolution of agroclimatic indicators in senegal using CMIP6 simulations
1502	81	MON-23	S37-02	Cheikh Modou	Noreyni	Multidecadal Modulations of ENSO influence on Tropical Atlantic cyclogenesis
1502	82	MON-23	S37-03	Cheikh Modou	Noreyni	Multidecadal Modulations of ENSO influence on Tropical Atlantic cyclogenesis
259	87	THU-26	PC33-01	Dong	Chen	Interdecadal Variation and Causes of Drought in Northeast China in Recent Decades
266	88	THU-26	PC33-02	Huopo	Chen	Variations in Summer Extreme Hot-Humid Events over Eastern China and the Possible Associated Mechanisms



397	90	TUE-24	PC22-01	lijing	Cheng	Towards a comprehensive quantification of the uncertainty in observational ocean gridded dataset
396	32	MON-23	S14-02	lijing	Cheng	Past and future changes of ocean heat content and implications for Earth's energy budget
1152	115	MON-23	PC09-01	Cristiano	Chiessi	Precipitation over northeastern South America under different modes of operation of the Atlantic meridional overturning circulation
1127	34	THU-26	S10-01	Cristiano	Chiessi	Causes, patterns and consequences of millennial-scale changes in tropical South American precipitation
1192	101	MON-23	PC03-01	Rachel	Chimuka	Quantifying the contribution of carbon cycle and physical feedbacks to TCRE (a)symmetry
1058	16	WED-25	S08-02	Alison	Cobb	The Effect of The Blob marine heatwave on a U.S. West Coast Atmospheric River and Downstream Precipitation
749	5	TUE-24	S04-05	Willem Stefaan	Conradie	Hemispheric circulation anomalies and weather systems associated with recent April-May drought around Cape Town, South Africa
1322	55	THU-26	S25-12	Erika	Coppola	The most extreme rainfall within the European great alpine region: detection and sensitivity to the global warming
1271	12	MON-23	S01-12	Susanna	Corti	Heat extremes in scenario projections: the role of variability
1005	62	MON-23	S29-03	Ailish	Craig	Future climate information, adaptation policies and the need for climate services in Southern Africa
384	36	TUE-24	S12-01	Jean-Francois	Cretaux	Consolidation of datasets of Essential Climate Variables exploiting HR imagery and Altimetry times series within the ESA CCI Lakes Framework; cases African lakes
795	37	TUE-24	S12-02	Jean-Francois	Cretaux	Impact on lake surface water quality of heatwaves and burning events in the lakes watershed
781	34	MON-23	S15-02	Jean-Francois	Cretaux	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.
1513	98	WED-25	PC26-01	Beata	Csatho	Ghub: A science gateway for unifying ice sheet science and education
1782	108	THU-26	PC38-02	Palmira	Cuéllar	"Brigadas de norte a sur", Empowering women for climate change; an example from Mexico City

1040	6	TUE-24	S04-06	Fabio	D'Andrea	Increasing depressions in the Euro-Atlantic summer leading to temperature extremes?
989	47	THU-26	S25-04	Alima	Dajuma	Projections of heat stress and associated work productivity over Africa during the late 21st Century
998	48	THU-26	S25-05	Alima	Dajuma	Climatology, interannual variability and significant trends based on multiple heat stress indicators in Africa
827	91	TUE-24	PC22-02	Gokhan	Danabasoglu	Simulated and Observed AMOC Transport Estimates in the North and South Atlantic
722	17	WED-25	S08-03	Clement	Dehondt	Comparing different parameterizations of turbulent air-sea fluxes on the climate system and their mutual interactions
265	53	WED-25	S27-06	Anna	del Moral Mendez	Towards an improved near-term forecasting for Lake Victoria Basin: Convective diurnal cycle over the lake
280	54	WED-25	S27-07	Anna	del Moral Mendez	Pre-convective environments for Lake Victoria using ERA5 reanalysis: identifying severe weather indexes for enhanced forecasts
281	55	WED-25	S27-08	Anna	del Moral Mendez	Radar polarimetric signatures of severe convective storms: towards an Early Warning System for Lake Victoria Basin
475	35	MON-23	S15-03	Juliette	Deman	Changes of the hydrological cycle over Europe at the end of the 21st century projected by CMIP6 models and associated uncertainties
920	2	THU-26	S07-02	Mingshan	Deng	Impact of climatic and vegetation dynamic change on runoff over the Three Rivers Source Region based on the Community land model
1464	2	WED-25	S03-02	Ayantika	Dey Choudhury	Unravelling the associations between rainfall intensification over Western India and Indian Ocean Dipole in a warming climate
1478	3	WED-25	S03-03	Ayantika	Dey Choudhury	Understanding the precipitating cloud systems that led to the devastating floods over Pakistan during the 2022 summer monsoon
1171	107	MON-23	PC06-02	Sire Kadiata	Diallo	eXplainable AI (XAI) to predict the role of stratosphere–troposphere dynamical coupling in the unfolding of surface extreme events
1189	18	MON-23	S02-03	Ismaila	Diallo	Connections between Spring Tibetan Plateau Land Surface Temperature and Early Summer Extreme Precipitation Predictions
1044	102	MON-23	PC05-01	Leandro	Diaz	Assessment of anthropogenic and natural influences on the observed precipitation trends in Southern South America

1043	64	THU-26	S31-01	Leandro	Diaz	Co-production of a week-2 rainfall probabilistic prediction tool for small farmers activities in southern South America
303	63	MON-23	S29-04	Tufa	Dinku	Enhancing Climate Services in Africa Through Enhanced Access to Climate Information Products
1411	3	MON-23	S01-03	Andrea	Dittus	Extending the historical record back to the 1750s: implications for climate and climate variability
1460	34	WED-25	S26-05	Andrea	Dittus	Regional impacts of climate stabilisation across multiple global warming levels
1075	19	MON-23	S02-04	Markus	Donat	Constraining decadal variability in large climate projections ensembles to obtain improved near-term climate change estimates and attribute sources of predictability
903	56	WED-25	S27-09	Markus	Donat	Multi-decadal predictability of wet and dry precipitation extremes from external forcing and climate variability
376	122	THU-26	PC43-02	Felix Kwabena	Donkor	Climate change and livelihood resilience: Opportunities for multi-sectoral approaches to build back better
347	49	THU-26	S25-06	Alessandro	Dosio	What have I learnt about recent past and future precipitation over Africa? Daily precipitation characteristics from large ensembles of observational products and climate models
1188	4	WED-25	S03-04	Danni	Du	A potential pathway for the western tropical Pacific to modulate the Indian summer monsoon subseasonal anomalies
1549	104	THU-26	PC36-01	Tania	Duba	Sustainable small scale fisheries livelihood under uncertainty: participatory scenario planning for Community adaptation response to climate change impacts
317	54	TUE-24	S21-03	Jerit	Dube	Afromontane communities in a changing climate: An analysis of climate change impacts on food security and water availability in QwaQwa
1623	55	TUE-24	S21-04	Temitope Samuel	Egbebiyi	Impact of Climate Change on Cash Crops in sub-Saharan Africa under CMIP6 Models
1512	35	WED-25	S26-06	Temitope Samuel	Egbebiyi	Potential Impact of Stratospheric Aerosol Geoengineering on C3 Crops Suitability in West Africa
732	64	MON-23	S29-05	Hussen Seid	Endris	Showcasing Improved Climate Products and Services for Eastern Africa

1286	50	MON-23	S24-01	Mastawesha	Engdaw	Detection and attribution of compound climate extremes in Africa
216	38	TUE-24	S12-03	Elizaveta	Ezhova	Obtaining wind wave parameters using marine navigation X-band radar and SeaVision system
275	81	THU-26	PC32-02	Davide	Faranda	Analogues Methods for attribution of extreme events to climate change, application to the exceptional 2022 European-Mediterranean drought
569	51	MON-23	S24-02	Davide	Faranda	Towards a framework for attributing tropical and Mediterranean cyclones to climate change
751	76	THU-26	PC31-01	Delphine	Farmer	Wildfire smoke effects on air, homes, and ecosystems: A synthesis of atmospheric chemistry observations
1629	59	THU-26	S30-01	Juan Antonio	Fernandez de la Granja	Global assessment of future changes in low-level circulation based on the Jenkinson–Collision weather type classification
1426	96	MON-23	PC02-01	Kirsten	Findell	Accurate Assessment of Land-Atmosphere Coupling in Models Requires High Frequency Data Output
1419	3	THU-26	S07-03	Kirsten	Findell	Coherent mechanistic patterns of terrestrial hydroclimatic change (or understanding land-atmosphere feedbacks in different climate regimes)
864	89	THU-26	PC33-03	Thierry C.	Fotso-Nguemo	On the analysis of compound rainfall and temperature extremes over Africa at 1.5 and 2 °C global warming levels
1704	103	THU-26	PC34-01	Carly	Frank	Steps towards co-producing relevant heat stress projections in West Africa
205	77	THU-26	PC31-02	Christian	Franzke	Perspectives on tipping points in integrated models of the natural and human Earth system: cascading effects and telecoupling
204	82	THU-26	PC32-03	Christian	Franzke	Changing temporal volatility of precipitation extremes due to global warming
203	7	TUE-24	S04-07	Christian	Franzke	Long-Term Trends of the Atmospheric Circulation and Moist Static Energy Budget in the JRA-55 Reanalysis
646	28	THU-26	S09-02	Marina	Friedel	Consequences of Arctic ozone depletion and recovery for surface climate
1654	109	WED-25	S20-03	Friederike	Fröb	Reversibility of abrupt aerobic habitat loss
267	90	THU-26	PC33-04	Ya	Gao	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	91	THU-26	PC33-05	Xuejie	Gao	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific based on Multi-RegCM4 Simulations
1765	8	TUE-24	S04-08	Alan	García Rosales	Evaluation of the Evolution of Severe Storm Environments through use of the Lapse rate tendency equation.
1602	97	MON-23	PC02-02	Rebecca	Garland	Improving our understanding of the biogeochemical cycling of nitrogen and its impacts on ecosystems across South Africa
416	50	THU-26	S25-07	Paul Gérard	Gbetkom	Lake Chad vegetation cover and surface water variations in response to rainfall fluctuations under recent climate conditions (2000–2020)
452	83	THU-26	PC32-04	Mireia	Ginesta Fernandez	Effect of anthropogenic climate change on explosive cyclogenesis cases in Europe
1672	85	MON-23	S39-03	Marisa	Gonzalez	Diversifying climate service co-production processes in Africa with knowledge and data driven research infrastructures
1656	57	WED-25	S27-10	Nicolas	Gruber	Ocean extremes in the water column – from heatwaves to biogeochemical compound events
1422	118	THU-26	PC41-03	Song	Guan	DCC-OCC promoting the science-policy interface in UN Ocean Decade global network
1530	65	MON-23	S29-06	Masilin	Gudoshava	How Accurate are current Climate Models to forecast East Africa Drought?
780	4	MON-23	S01-04	Sergey	Gulev	Revealing long-term estimates of the North Atlantic Ocean heat budget anomalies from VOS observations: relative role of the turbulent and radiative fluxes
728	9	TUE-24	S04-09	Sergey	Gulev	Long-term changes in wind wave statistics over 1880-2021 from visually observed wave data
994	36	WED-25	S26-07	Carla	Gulizia	Changes in the mean and extreme South American climate under a stratospheric aerosol injection strategy
273	4	THU-26	S07-04	Donglin	Guo	Local changes in snow depth dominate the evolving pattern of elevation-dependent warming on the Tibetan Plateau
1250	56	TUE-24	S21-05	Nick	Gutkin	Fusion of satellite and UAV methods to assess climate change impacts on agriculture at different scales

1509	10	TUE-24	S04-10	Or	Hadas	Extending the theory of baroclinic growth by taking a single storm perspective
712	58	WED-25	S27-11	Bernard	Hakizimana	Towards an Intelligent and adapted small scale landslides monitoring system in East Africa
1720	15	TUE-24	S11-02	Tomáš	Halenka	Urban environments and regional climate change - CORDEX flagship pilot study URB-RCC
1709	27	WED-25	S18-01	Tomáš	Halenka	Non-CO2 forcers and their climate, weather, air quality and health impacts – project FOCL
887	16	TUE-24	S11-03	Sandy P.	Harrison	Green vegetation cover: a first-principles model for a first-order control of land-atmosphere exchanges
919	41	MON-23	S22-03	Melissa	Hart	When citizen science meets urban climate: The Sydney Schools Weather and Air Quality (SWAQ) monitoring network
1472	51	THU-26	S25-08	Neil	Hart	The decline of tropical-extratropical cloud bands in the Southern Hemisphere subtropics
469	89	WED-25	PC23-01	Birgit	Hassler	Comprehensive and rapid benchmarking of Earth system models with ESMValTool
916	17	TUE-24	S11-04	Bian	He	Sensitivities of the Asian summer monsoon simulations to physical parameters for the Perturbed Parameter Ensemble of HadGEM3-GC3.05
1433	86	MON-23	S39-04	Sophie	Hebden	Ten New Insights in Climate Science – a streamlined process for prioritising key messages from science to inform policy-makers
388	20	MON-23	S02-05	Ulla	Heede	Tropical Pacific warming patterns modulates future hydroclimatic changes and extreme events on five continents
682	92	TUE-24	PC22-03	Priscilla	Heita	Cellular Automata modelling and predicting informal settlements in Windhoek Namibia from 2018 to 2050
1581	112	THU-26	PC40-02	Jörg	Helmschrot	An assessment of observational and forecasting infrastructure and Early Warning Systems in southern Africa and its implications for improving hydro-meteorological services
1591	57	TUE-24	S21-06	Jörg	Helmschrot	Impact of climate extremes on dam operations and consequences for a forecast-driven dam management in Namibia

1621	73	THU-26	S32-02	Nicole	Herman-Mercer	Using a knowledge co-production framework to develop climate data and information that is useful and useable for Arctic Indigenous communities
813	93	MON-23	PC01-01	Tim	Higgins	Atmospheric River related changes over the North American West Coast under Anthropogenic warming
979	66	MON-23	S29-07	Linda	Hirons	Using a co-production approach to support effective application of S2S forecasts across Africa
1050	92	WED-25	PC24-01	Nagio	Hirota	Development of MIROC7: Mean states, variability, and climate sensitivity
565	92-1	WED-25	PC24-05	Nagio	Hirota	Towards a better understanding of Arctic climate change and its consequences – the activities of the SENTAN project –
531	124	THU-26	PC38-04	Sithabile	Hlahla	Climate–Urban Nexus: A Study of Vulnerable Women in Urban Areas of KwaZulu-Natal Province, South Africa
462	18	TUE-24	S11-05	Forrest	Hoffman	Evaluating Land Carbon Cycle Processes in Earth System Models: Have Models Improved Over Time?
1750	87	MON-23	S39-05	Forrest	Hoffman	International Consortium Developing the Next Generation Earth System Grid Federation (ESGF) Distributed Data Infrastructure
680	75	THU-26	S33-01	Md Khalid	Hossain	Information needs and methods of accessing climate information by children and youth in urban Bangladesh for climate action: A policy-practice agenda
756	65	THU-26	S31-02	ER-RETBY	Houda	Moroccan green cities' effects on the ecological transition
1670	74	MON-23	S34-01	Prosper	Houessionon	Risk aversion, behavior change asymmetry and willingness to adopt in climate-informed advisory and information services for pastoralists and agro-pastoralists in Senegal.
353	92	THU-26	PC33-06	Qin	Hu	Spatial-Temporal Evaluation and Future Projection of Diurnal Temperature Range over the Tibetan Plateau in CMIP6 Models
492	5	MON-23	S01-05	Aixue	Hu	Dependence of the AMOC hysteresis on the freshwater and greenhouse gases and background climate
411	5	WED-25	S03-05	Kieran	Hunt	The future of low-pressure systems in the Indian monsoon

1624	14	WED-25	S03-14	Kieran	Hunt	Non-linear intensification of monsoon low-pressure systems by the BSISO
1845	108	WED-25	S20-02	Toyosi	Igejongbo	Climate change and marine coastal pelagic fisheries in the Gulf of Guinea (Central Western Africa)
702	37	WED-25	S26-08	Peter	Irvine	Managing temperature overshoot with solar geoengineering could shorten it by decades
1205	67	MON-23	S29-08	Rachael	Isphording	A standardized benchmarking framework to assess downscaled rainfall simulations
158	52	MON-23	S24-03	Vedaste	Iyakaremye	Contribution of external forcings to the observed trend in surface temperature over Africa during 1901–2014 and its future projection from CMIP6 simulations
159	59	WED-25	S27-12	Vedaste	Iyakaremye	Increased high-temperature extremes and associated population exposure in Africa by the mid-21st century
1587	42	MON-23	S22-04	Chris	Jack	Unraveling the urban heat health relationship: Innovations in machine learning and large multi-dataset integration
358	60	WED-25	S27-13	Abdoulie F.R	Jadama	Impacts of climate extreme events on the academic performance of learners in Basic education sector of the Northern and Central Region of The Gambia
1790	53	MON-23	S24-04	Jonas	Jaegermeyr	The fingerprint of climate change in crop losses during recent heatwaves and droughts
961	68	MON-23	S29-09	Shipra	Jain	Indian Ocean Dipole and its impact on Southeast Asia: a climate service perspective
1318	60	THU-26	S30-02	Rachel	James	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
546	54	MON-23	S24-05	Jie	Jiang	Agricultural drought over water-scarce Central Asia aggravated by internal climate variability
651	61	WED-25	S27-14	Bor-Ting	Jong	Using an ensemble of high-resolution climate model simulations to detect, attribute, and project changes in extreme rainfall over the Northeast U.S.



1303	38	WED-25	S26-09	Hannah	Jose	Identifying outliers among ensembles of global climate models and selecting appropriate models for meteorological projections over Laguna lake, Philippines
337	15	WED-25	S08-01	Apurva	Joshi	Indian Ocean acidification and its driving mechanisms over the last four decades (1980–2019)
1802	102	WED-25	PC29-01	Amna	Jrrar	Comparison of Projections of Extreme Precipitation Indices for Jordan From High-Resolution EURO-CORDEX and MSH Domain RCM Simulations
1616	19	TUE-24	S11-06	Chunyong	Jung	Assessing the Benefits of New 4 km Convection-Permitting Regional Climate Modeling for North Atlantic Hurricane Simulations: A Comparative Study
627	20	TUE-24	S11-07	Thomas	Jung	Eddy-rich Earth system modelling
1747	31	TUE-24	S11-18	Chunyong	Jung	Uncertainty Quantification of Convection-Permitting Climate Projections over North America
626	62	WED-25	S27-15	Thomas	Jung	Storyline attribution and projections of recent extreme events using spectral nudging
1531	69	MON-23	S29-10	Martin	Jury	Klimaszenarien.AT – The new Austrian climate scenarios 2026
1085	90	WED-25	PC23-02	Masa	Kageyama	Introducing the French national programme TRACCS: TRANSformative Advances in Climate modelling for Climate Services
1597	68	WED-25	S27-21	Nishadh	Kalladath	Application of the LISFLOOD-FP Hydrodynamic Model for Impact-Based Forecasting over the Eastern Africa Region
1358	66	THU-26	S31-03	Vladimir	Kattsov	Towards a new level of quantifying climate change and variability in Russia for management decisions
705	93	WED-25	PC24-02	Michio	Kawamiya	Advanced studies of climate change projection – Area Theme 2: Biogeochemical modeling and climate simulations for carbon budget assessment
1580	93-1	WED-25	PC24-06	Michio	Kawamiya	Atlantic impacts on subdecadal warming over the tropical Pacific in the 2000s
1048	21	MON-23	S02-06	Noel	Keenlyside	Improving climate prediction through data assimilation and supermodelling
1547	85	WED-25	S35-01	Polina	Khapikova	Global bias corrected and downscaled projections of humid heat stress

1413	70	MON-23	S29-11	Mary	Kilavi	Reflections on the development and use of S2S products in Kenya
763	22	MON-23	S02-07	Yong-Yub	Kim	A multi-year climate prediction system based on CESM2
656	55	MON-23	S24-06	Joyce	Kimutai	Attribution of the human influence on heavy rainfall associated with flooding events during the 2012, 2016, and 2018 March-April-May seasons in Kenya
451	88	WED-25	S36-02	Jörg	Klausen	Taking stock of observing capabilities for designing a pan-African atmospheric and climate research infrastructure (KADI): Lessons learnt from Kenya and best practices
1599	5	THU-26	S07-05	Conni	Klein	Changes in land surface effects on organised convection in a convection-permitting climate projection
1381	29	THU-26	S09-03	Dr Nana Ama Browne	Klutse	Solar Radiation Management with Stratospheric Aerosol interactions with Harmattan and associated potential impacts on temperature over West Africa
1444	21	TUE-24	S11-08	Dr Nana Ama Browne	Klutse	Modeling Onset and Cessation of Seasonal Rainfall in West Africa from CMIP5, CMIP6 and CORDEX, CORDEX CORE
1080	119	THU-26	PC41-04	Eunice	Koech	Cascading co-production of climate services from regional to sub-national levels: Experiences from Eastern Africa
902	30	THU-26	S09-04	ayassou	koffi	Evolution of ozone above Togo during the 1979-2020
1769	120	THU-26	PC41-05	Roxy Mathew	Koll	Community based Rain, River, and Flood Monitoring System from Kerala, India — a Success Model for Collective Climate Solution.
500	93	THU-26	PC33-07	Xianghui	Kong	The hourly precipitation frequencies in the tropical-belt version of WRF: sensitivity to cumulus parameterizations and radiative schemes
173	6	WED-25	S03-06	Dr. Pankaj	Kumar	A Regional Earth System Modelling framework for Monsoon studies over CORDEX-SA region
1525	82	WED-25	S28-03	Rajesh	Kumar	Development of an air quality early warning system for eastern and southern Africa
261	44	THU-26	S25-01	Amita	Kumari	Evaluation and Future Projection of the Extreme Precipitation over India and its homogeneous regions: A Regional Earth System Model Perspective
395	96	WED-25	PC25-01	Felix Kwabena	Kwabena	Inclusivity in future climate scenarios: An opportunity to Leave No One Behind

1172	97	WED-25	PC25-02	Felix	Kwabena	Safe Landing Pathways
1409	39	WED-25	S26-10	Andreas	L. S. Meyer	Temperature overshoot disproportionately threatens endemic island vertebrates
1407	40	WED-25	S26-11	Andreas	L. S. Meyer	Quantifying the impacts of solar radiation modification on biodiversity exposure to climate change
698	35	THU-26	S10-02	Christian	Laag	Quantitative paleoprecipitation estimates for the last 850 ky from the Pleven loess-paleosol sequence (Northern Bulgaria) using novel magnetic and colorimetric transfer functions
700	36	THU-26	S10-03	Christian	Laag	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
1135	6	MON-23	S01-06	Michael	Lai	Impact of model resolution on internal and externally forced North Atlantic variability at multidecadal timescales
607	36	MON-23	S15-04	Morgane	Lalonde	Urban water cycle: adding an urban representation in the RegIPSL model
810	78	THU-26	PC31-03	Marine	Lanet	Climate dryness as a driver for wildfire occurrence in Southwest France
775	43	MON-23	S22-05	Gaby	Langendijk	Improving climate information for health-related impacts; pollen, influenza, and mold, in Berlin and its surroundings
474	23	MON-23	S02-08	Gregor	Leckebusch	Seasonal predictability of extreme cyclones and storms
566	63	WED-25	S27-16	Gregor	Leckebusch	Towards a robust hazard assessment for the current and a changing climate
494	24	MON-23	S02-09	T	Lee	Ocean dynamic persistence provides substantial predictability for El Niño-Southern Oscillation
1054	7	WED-25	S03-07	June Yi	Lee	Boreal Summer Intraseasonal Oscillation: Propagation, Interannual Variability, and Impacts on Extremes
555	78	TUE-24	PC14-02	Sonya	Legg	Parameterizing tidally-driven mixing in global climate models
743	98	MON-23	PC02-03	Gurriaran	Léna	Projecting power demand and related CO2 emissions under climate change and quantifying the impact on climate
741	22	TUE-24	S11-09	Gurriaran	Léna	Electricity production and associated CO2 emissions under climate change: A machine learning approach incorporating climate variables and human activity indices

1693	23	TUE-24	S11-10	Redouane	Lguensat	Surrogate Modeling for Coupled Model Tuning: Lessons learned from simple and intermediate complexity models
1786	74	THU-26	S32-03	Cathy Wing Yi	Li	Co-production of environmental services: from science to capacity building and operation
1151	75	MON-23	S34-02	Geneva	List	What we learned from evaluating a six-country climate services project
877	73	TUE-24	PC13-01	Chuanyu	Liu	Turbulent Mixing in the Barrier Layer of the Equatorial Pacific Ocean
271	94	THU-26	PC33-08	yang	liu	Interannual variability in August drought in northern China and the corresponding climate shift
561	7	MON-23	S01-07	Xu	Liu	Two Decades of Atmospheric and Surface Temperature, Water Vapor, and Cloud Climate Record Derived from Satellite Remote Sensors
663	18	WED-25	S08-04	Hailong	Liu	Variability of Barrier Layer in the Tropical Atlantic
1024	41	WED-25	S26-12	Keane Carlo	Lomibao	Evaluation of different bias correction and downscaling methods for precipitation under solar radiation management scenarios in Laguna Lake, Philippines
806	56	MON-23	S24-07	Chen	Lu	A framework for the super attribution of multiple extreme events
430	113	MON-23	PC08-01	Jiehua	Ma	The impact of three Oceans on the cold, rainy and snowy February over southern China in 2022
471	64	WED-25	S27-17	Nema	Ma-lyse	To assess the local perception and adaptation strategies to landslide occurrence in the Kivu catchment of Rwanda
1167	47	TUE-24	S19-01	Siphelele	Mahlaba	The nexus between climate change and human activities in South Africa: A critical analysis review.
629	113	THU-26	PC40-03	Roché	Mahon	Co-producing climate services in the Global South: Successes, challenges and lessons learnt from Caribbean small island developing states
1053	79	THU-26	PC31-04	Shailendra	Mandal	Making resilience building work for societal resilience and reaching the SDGs, while facing climate extremes: Strategies for resource constrained metropolitan city of India
1517	109	THU-26	PC38-03	Shailendra	Mandal	Women at the core to make slums climate-resilient: A case study of the Metropolitan city of India
1180	58	TUE-24	S21-07	Shailendra	Mandal	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

621	37	MON-23	S15-05	Jiafu	Mao	Quantification of human contribution to soil moisture-based terrestrial aridity
530	89	TUE-24	PC20-01	Rob	Marchant	Archetypes of Climate Change Adaptation across Africa's Mountains: a systematic review
1065	6	THU-26	S07-06	Luca	Maria	How do tropical land masses receive more rain than tropical oceans?
1240	19	WED-25	S08-05	Tanya	Marshall	Engaging emerging researchers in Surface Ocean - Lower Atmosphere Study (SOLAS) science
1658	44	MON-23	S22-06	John	Marsham	Modelling climate change in heatwaves in Africa, including past and projected heat impacts on child mortality
1336	65	WED-25	S27-18	John	Marsham	WISER Early Warnings for Southern Africa (WISER-EWSA)
662	59	TUE-24	S21-08	Emanuel	Martin	Local perceptions of climate change and adaptation responses from two mountain regions in Tanzania
1505	66	WED-25	S27-19	Innocent	Masukwedza	Extreme agrometeorological events over Zimbabwe: Characteristics and drivers
1495	61	THU-26	S30-03	Innocent	Masukwedza	Today's risk of extreme events in US counties
1334	8	MON-23	S01-08	Ben	Maybee	Predictability of the East Africa long rains: importance of the Madden-Julian Oscillation and Congo zonal winds
1732	108	MON-23	PC06-03	Amanda	Maycock	Exceptionally strong polar vortex favoured intense UK and northern European storminess in February 2020 and 2022
1733	42	THU-26	S23-01	Amanda	Maycock	Model diversity in multidecadal NAO variability explained by stratosphere-troposphere coupling
342	124	MON-23	S01-16	Dickson	Mbigi	The Southern Annular Mode: its influence on interannual variability of rainfall in North Australia
937	94	WED-25	PC24-03	Irina	Melnikova	Assessing carbon cycle projections from simple and complex models under SSP scenarios
917	7	THU-26	S07-07	Xianhong	Meng	Strong soil moisture-atmosphere interactions on the Tibetan Plateau and its behind energy mechanism
1453	25	MON-23	S02-10	Michael	Mengistu	Evaluation of CORDEX models in simulating historical dry spells over major maize producing regions of South Africa

1056	8	WED-25	S03-08	Arathy	Menon	Processes driving the diurnal cycle of orographic precipitation and monsoon rainfall modes over the west coast of India in the Met Office Unified Model
1644	43	TUE-24	S17-01	Benoit	Meyssignac	Historical observations of the Earth energy budget show the time-variations of the climate feedback parameter are associated with the Pacific Decadal Oscillation
329	95	THU-26	PC33-09	Jiapeng	Miao	Multidecadal variations in East Asian winter temperature since 1880: Internal variability versus external forcing
1093	39	TUE-24	S12-04	Oscar	Mirones	Infilling sparse records with Deep Learning: An application to fire danger monitoring and early warning in Spain
776	71	TUE-24	S38-01	Herbert	Misiani	Scaling up Anticipatory Action in Eastern Africa: Experiences and Lessons from Kenya.
1563	40	TUE-24	S12-05	Aditi	Modi	Improved Estimation of ocean ecosystem indicators using Monte-Carlo Gap-Filling in Cloud-Prone Indian Ocean Color Data
1349	9	WED-25	S03-09	Paul-Arthur	Monerie	Uncertainty in future changes in Sahel precipitation: a role of the warming of the North Atlantic and Euro-Mediterranean areas
1207	99	WED-25	S08-13	Precious	Mongwe	The Observing Air-Sea Interactions Strategy (OASIS), a UN Ocean Decade programme
1699	96	THU-26	PC33-10	Tlotlo V.	Morupisi	The synoptic decomposition of heat waves over Botswana
1466	52	THU-26	S25-09	Tall	Moustapha	Drought variability, changes and hot spots across the African continent during the historical period (1928-2017)
1136	53	THU-26	S25-10	Tall	Moustapha	Prolonged expansion of dryness conditions over Africa from historical to future periods (1925-2100): an analysis based on observations and simulations
1069	103	MON-23	PC05-02	Rym	Msadek	Assessing the role of internal variability on projections of Northern Europe winter temperature at near-term (2020-2040) using a storyline approach
1062	9	MON-23	S01-09	Rym	Msadek	Imprint of intrinsic ocean variability on Arctic sea ice and ocean dynamics on subseasonal to annual time scales
381	26	MON-23	S02-11	Anna	Msigwa	A Machine Learning-Based Early Warning System for Droughts in the Pangani Basin, East Africa

466	60	TUE-24	S21-09	Bester	Mudereri	Systematic spatial and temporal dynamics of the desert locust ( <i>Schistocerca gregaria</i> ) occurrence and invasion in eastern Africa
516	61	TUE-24	S21-10	Jane wangui	Mugo	Simulated effects of climate change on green gram production in Kitui County, Kenya
326	62	TUE-24	S21-11	Lucy	Mumo	Projected changes in climate suitability and yields of maize and sorghum crops over Kenya in the 21st century by CMIP5 Models
1378	63	TUE-24	S21-12	Miriam	Murambadoro	Climate change extremes and their impacts on water and food security: Findings from Narok County, Kenya, and the Vhembe District in South Africa
1492	76	MON-23	S34-03	Miriam	Murambadoro	Processes of learning and constraints within the climate change adaptation South African governance space
1079	99	MON-23	PC02-04	Josna	Murmu	Simulation of land surface fluxes by NAOH LSM model over the Chota Nagpur Plateau region (Ranchi) in India
890	114	THU-26	PC40-04	Simon Peter	Muwafu	Co-Produced Climate Services for Locally Led Adaptation in the Global South
370	64	TUE-24	S21-13	Merishca	Naicker	An evaluation of climate change effect on community gardens crop production aimed at enhancing household food security in Dlangezwa, Umdoni Municipality.
924	62	THU-26	S30-04	Timothy	Naish	Incorporating vertical land movements into probabilistic sea-level projections: The New Zealand case
169	97	THU-26	PC33-11	S	Nandini	Future Shifts in Sea level Statistics using the MPI Large Ensemble Simulation
972	57	MON-23	S24-08	Shingirai	Nangombe	Attribution of climate change and recent hydro-climatic extremes in South African areas and climatic zones
1114	67	WED-25	S27-20	Shingirai	Nangombe	Climate change attribution of the 2018 early summer drought over South Southern Africa
1146	45	MON-23	S22-07	Negin	Nazarian	Integrated assessment of urban overheating impacts on human life
470	72	TUE-24	S40-01	NGUNJIRI	Ndirangu	Population, Climate Change, and Sustainable Development in Africa
1209	104	WED-25	PC29-03	Phuong Loan	Nguyen	Selecting regional climate models based on their skill could give more credible precipitation projections over the complex Southeast Asia region
1066	83	WED-25	S28-04	Grigory	Nikulin	High-resolution climate projections for the Mashreq region

1546	100	WED-25	PC28-02	K A	Nishadh	How do Bayesian Networks support impact-based forecasting for informed decision?
1722	95	WED-25	PC24-04	Tomoko	Nitta	Design and Development of Integrated Land Simulator (ILS)
774	95-1	WED-25	PC24-07	Tomoko	Nitta	Introducing the research area 3 of SENTAN program - Promoting research for a national climate change scenario
1777	106	THU-26	PC37-02	Daniel	Niyikiza	Designing good agronomic practices for grapes (Vitis) in tropical environments of Rwanda
62	31	THU-26	S09-05	Fabien Idrissa	Nkurunziza	Investigating the mechanisms driving the seasonal variations of surface PM2.5 concentrations over East Africa with the WRF-Chem model
63	32	THU-26	S09-06	Fabien Idrissa	Nkurunziza	Investigating the impacts of Nyamuragira Volcano eruption of 2006 on regional weather over the Congo Basin with the WRF-Chem model
856	10	MON-23	S01-10	Hyacinth	Nnamchi	The pan-Atlantic decadal climate oscillation: dynamics and impacts
1072	116	MON-23	PC09-02	Paulo	Nobre	AMOC decline and recovery in a warmer climate
1073	117	MON-23	PC09-03	Paulo	Nobre	Sea surface height trends in the southern hemisphere oceans simulated by the Brazilian Earth System Model under RCP4.5 and RCP8.5 scenarios
1279	77	MON-23	S34-04	Asif Uddin Bin	Noor	Evaluating the suitability of agromet information for strategic and tactical decision-making to implement climate service in Bangladesh
49	54	THU-26	S25-11	Didier	Ntwali	Role of climate projections in improving policies on climate change mitigation and adaptation in the agriculture and food security
777	46	MON-23	S22-08	Patricia	Nying'uro	Identification of local heat thresholds and related health impacts: The case of Nairobi, Mombasa, Kisumu Cities in Kenya
783	78	MON-23	S34-05	Patricia	Nying'uro	Experiences of co-producing S2S forecast products for agricultural application in Kenya and Ghana
1558	71	MON-23	S29-12	Lucas	O'Reilly	The use of network science in the engineering of actionable adaptation to weather and climate change stresses
970	42	WED-25	S26-13	Romaric	Odoulami	Risk to precipitation and temperature extremes under solar geoengineering
1306	65	TUE-24	S21-14	Linda	Ogallo	State of Climate, Peace and Security in the Horn of Africa
553	28	WED-25	S18-02	Franklin	Opijah	Simulated Effect of Stratospheric Aerosol Intervention on Climate over Eastern Africa



744	27	MON-23	S02-12	Sol	Osman	Multi-model assessment of the sub-seasonal predictive skill for the year-round Atlantic-European weather regimes
1133	11	MON-23	S01-11	Abdalla	Osman Adam Abdalla	Inter-annual to Inter-decade Rainfall Variability Over Sudan
1099	84	THU-26	PC32-05	Ronak	Patel	Probabilities of Hydrometeorological Extremes in a Changing Climate
1305	91	WED-25	PC23-03	Saloua	Peatier	Climate model tuning : parametric dependance of climate feedbacks
1164	58	MON-23	S24-09	Sarah	Perkins-Kirkpatrick	Attributing the health impacts of the 2009 Victorian heatwave to climate change
797	94	MON-23	PC01-02	Luciano	Pezzi	Air-sea interaction and feedback mechanisms on cases of oceanic SACZ
792	84	TUE-24	PC17-01	Luciano	Pezzi	Coordinated, sustainable Southern Ocean observations to support climate change mitigation and adaptation
1844	123	Mon-23	S39-11	Austin	Phiri	Performance of the poteto-soybean intercroppings system in Malawi
1110	37	THU-26	S10-04	Anna	Pienkowski	The PAGES ACME Working Group - Arctic Cryosphere Change and Coastal Marine Ecosystems - linking past, present, and future
1118	38	THU-26	S10-05	Anna	Pienkowski	Polar marine environments and ecosystems under a warming climate: recent deglacial records from the Antarctic Peninsula
1613	44	TUE-24	S17-02	Robert	Pincus	The spectral roots of hydrologic sensitivity
294	20	WED-25	S08-06	maheswar	pradhan	Improving Thermodynamic Air-Sea Interaction in Coupled Model: Impact on Monsoon Simulation
1145	29	WED-25	S20-01	Milica	Predragovic	Biodiversity exposure to projected climate change may compromise future marine protected areas resilience under business-as-usual scenario
883	24	TUE-24	S11-11	Iain Colin	Prentice	The new physics of land ecosystems
971	8	THU-26	S07-08	Colin	Price	Is Amazon deforestation decreasing the number of thunderstorms over Tropical America? <i>(Withdrawn)</i>
975	45	TUE-24	S17-03	Colin	Price	Thunderstorms, Cirrus Clouds, and Arctic Sea Ice <i>(Withdrawn)</i>
973	69	WED-25	S27-22	Colin	Price	Monitoring wildfire hazards using smartphones <i>(Withdrawn)</i>
1109	105	WED-25	PC29-04	Camila	Prudente	Interdisciplinary and cross-sectoral construction of flood alerts at the Matanza River Basin - Argentina-: A Community-Based Approach to Disaster Risk Management

1051	67	THU-26	S31-04	Camila	Prudente	Community hydrological monitoring network through the co-production of knowledge
673	25	TUE-24	S11-12	Yun	Qian	Parametric Sensitivity and Uncertainty Quantification in Climate Model Based on Perturbed Parameter Ensemble (PPE) Simulations
406	68	THU-26	S31-05	Katie	Quail	Working in partnership with the Mimal Rangers to quantify the impact of climate change on Indigenous right-way burning practices in Northern Australia
239	110	THU-26	PC39-01	Valentina	Rabanal	Outcomes and lessons learned of the participation of Early Career Researchers in group reviews of the last IPCC reports
1372	26	TUE-24	S11-13	Francesca	Raffaele	Convection-Permitting simulations over South America: how to reconcile model and observational uncertainty at the sub-daily time scale.
1828	88	MON-23	S39-06	Camille	Rannou	One Planet Fellowship Programme - Science, Leadership, Networking
1160	11	TUE-24	S04-11	Suryachandra A	Rao	Impact of Bay of Bengal Eddies on Indian Summer Monsoon Rainfall
1359	66	TUE-24	S21-15	Lia	Rapella	Modelling agrivoltaics in a climate perspective for a water-energy-food nexus analysis
1315	70	WED-25	S27-23	Lia	Rapella	Climate change on extreme winds already affects off-shore wind power availability in Europe
1202	43	THU-26	S23-02	Tim	Raupach	Recent changes in hailstorm-prone conditions in Australia
982	10	WED-25	S03-10	Ajaya	Ravindran	Atlantic Zonal Mode: An emerging source of Indian summer monsoon variability in a warming world
820	85	THU-26	PC32-06	Juan	Rivera	Recent extreme drought over La Plata Basin: a glimpse of the future?
570	71	WED-25	S27-24	Juan	Rivera	Unprecedented multi-year hydrological drought in the Andean basins of Central-Western Argentina
1736	79	MON-23	S34-06	Andrew	Robertson	Sub-Seasonal to Seasonal (S2S) Forecasts for Effective Climate Services in Agriculture
907	82	TUE-24	PC16-02	Regina	Rodrigues	Extreme Compound Events in the tropical and South Atlantic
906	88	TUE-24	PC18-04	Regina	Rodrigues	GCOS Adaptation Task Team: Outcomes on Ocean Extremes
576	21	WED-25	S08-07	Celina	Rodrigues	The climate variability of CO <sub>2</sub> flux in the Southwest Atlantic Ocean

189	72	WED-25	S27-25	Sarah	Roffe	Summer-time heat stress patterns across southern Africa for 1979-2021: climatology, temporal trends and interannual variability patterns ( <i>Withdrawn</i> )
1158	27	TUE-24	S11-14	John	Rostron	Tracking systematic errors and climate feedbacks across recent versions of the Met Office's HadGEM3 climate model
1665	49	TUE-24	S19-03	Will	Rynearson	PEARL: Planetary Computer Land Cover Mapping
1583	87	WED-25	S36-01	Will	Rynearson	Using open source, easily configurable Earth Observation visualizations to connect the science community and policy makers
1268	109	MON-23	PC06-04	Elena	Saggiaro	Probabilistic causal network modelling of Southern Hemisphere jet long-range predictability
421	28	MON-23	S02-13	Alvaro	Salazar	CMIP6 precipitation and temperature projections for Chile
1008	29	MON-23	S02-14	Bjorn H.	Samset	Steady course for global surface warming through 2022
740	111	MON-23	PC07-02	S.	Sandeep	Dry air intrusion over India during the summer monsoon in observations and CMIP6 simulations
1515	72	MON-23	S29-13	Youssouph	Sane	A web portal dedicated to climate change impact studies in the Global South
974	120	MON-23	PC09-06	Yusuke	Satoh	The timing of unprecedented hydrological drought under climate change
610	67	TUE-24	S21-16	Lea	Schröder	Climate change impacts on land degradation and food security in shifting cultivation systems in mountainous terrain
1104	56	THU-26	S25-13	Kevin	Schwarzwald	Biases in simulations of the Horn of Africa long and short rains in global climate models and their implication for future rainfall changes
1219	63	THU-26	S30-05	Kevin	Schwarzwald	Understanding the sources of climate uncertainty in projections of climate impacts
1251	44	WED-25	S26-15	Jörg	Schwinger	Emit now, mitigate later? Simulating the Earth system response to zero and negative emissions
241	46	TUE-24	S17-04	Addisu	Semie	The role of the organization of deep convection in modulating the Earth's radiation budget and precipitation extremes
58	28	TUE-24	S11-15	Teddy	Senior	The impact of Climate change in West Africa: A case of Ghana's current situation
87	68	TUE-24	S21-17	vera	sham	Triple effect system: Impact of polyploidization on stomata traits and photosynthesis in diploids, neopolyploids and evolved polyploid <i>Arabidopsis arenosa</i>

859	12	TUE-24	S04-12	Tiffany	Shaw	Fastest jet stream winds get faster under climate change
1691	89	MON-23	S39-07	Mark	Shimamoto	Co-developing an Ethical Framework for Climate Intervention Research and Potential Scaling
885	73	WED-25	S27-26	Anastasiya	Shyrokaya	Advances and gaps in the science and practice of impact-based forecasting of droughts
558	11	WED-25	S03-11	Michelle	Simões Reboita	Weather and Climate of South America: a Review
387	45	WED-25	S26-16	Michelle	Simões Reboita	Response of the Southern Hemisphere Extratropical Cyclone's Climatology to the Solar Radiation Management
1116	104	MON-23	PC05-03	Isla	Simpson	The CESM2 single forcing large ensemble and lessons learned on the impact of experimental design.
634	74	WED-25	S27-27	Jeewanthi	Sirisena	Flood hazard assessment under projected future extreme rainfall conditions in Mediterranean areas: a case study in North Eastern Sicily
964	48	TUE-24	S19-02	Ermias	Sisay	SSP-RCPs scenario-based future land use change projection over Ethiopia
1760	29	TUE-24	S11-16	Julia	Sloan	Calibrating CliMA's land model
1400	105	MON-23	PC05-04	Doug	Smith	Naturally forced multidecadal changes in the NAO
476	79	TUE-24	PC15-01	Grant	Smith	Marine heatwave prediction from weeks to months to seasons
641	115	THU-26	PC40-05	Anna	Sorensen	A bottom-up approach to climate services from the Global South: the My Climate Risk CONICET Argentina Hub
1462	105	THU-26	PC37-01	Fiona	Spuler	Identifying meteorological drivers of food insecurity at sub-seasonal to seasonal timescales: a case study using the household economy approach
1551	22	WED-25	S08-08	Meenakshi	Sreejith	The southern Annular Mode Impacts on Indian Ocean Surface Waves
410	123	THU-26	PC43-03	anshika	srivastava	Mapping Trends in National Climate Legislation across the World
414	23	WED-25	S08-09	Ankur	Srivastava	Role of the surface hydrological cycle in driving air-sea interactions and implications for predictability
1057	90	MON-23	S39-08	Christian	Steger	Providing data and information for climate services at Deutscher Wetterdienst in Germany
824	75	WED-25	S27-28	Julienne	Stroeve	A Case Study of One Winter's Extreme Storminess from Science and Community Perspectives
257	80	TUE-24	PC15-02	Jingzhi	Su	Unique 2020 La Niña promoted by tropical Indian and Atlantic Ocean warming

766	30	MON-23	S02-15	Roberto	Suarez	Assessment of state-of-the-art seasonal prediction systems for ENSO operational forecasting
874	24	WED-25	S08-10	Jianqi	Sun	Influence and prediction value of Arctic sea ice and tropical Pacific SST for spring Eurasian extreme heat events
811	124	THU-26	S30-06	Rowan	Sutton	Storylines for future changes of the North Atlantic jet and associated impacts on the UK
928	121	MON-23	PC09-07	Kazuyoshi	Suzuki	Coupled land-atmosphere data assimilation for the extreme winter precipitation in the interior Alaska
1274	9	THU-26	S07-09	Joshua	Talib	Surface drivers of sub-seasonal predictability across Africa
535	91	MON-23	S39-09	Wenfu	Tang	Accelerating environmental sustainability solutions in Africa: a UCAR initiative
658	10	THU-26	S07-10	Andres	Tangarife-Escobar	Moisture and temperature effects on the radiocarbon signature of respired carbon dioxide to assess stability of soil carbon in the Tibetan Plateau
1792	33	THU-26	S09-07	Susann	Tegtmeier	Disentangling dynamical and chemical drivers of stratospheric trace gas trends
1775	38	MON-23	S15-06	Budz	Tejada	Ability of the Gridded Reanalysis Products to Detect Long-Term Rainfall Trends in Angat Watershed, Philippines
1313	46	WED-25	S26-17	Budz	Tejada	Future Projections of Reference Crop Evapotranspiration using Machine Learning Techniques under G6Solar and G6Sulfur Experiments in Laguna, Philippines
719	69	TUE-24	S21-18	Hoong Chen	Teo	Large-scale reforestation can increase water yield and reduce drought risk for water-insecure regions in the Asia-Pacific
243	125	THU-26	S25-14	Nadia	Testani	Cloudiness decrease over Northeastern Argentina based on two lines of evidence: Surface Observations and Satellite-Derived Data
244	126	THU-26	S31-06	Nadia	Testani	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
1088	76	WED-25	S27-29	Wanjiru	Thoithi	The contribution of mesoscale weather systems to extreme rainfall over the coast of southeastern Africa: The April 2022 event
304	98	THU-26	PC33-12	Zhiping	Tian	Index- and model-dependent projections of East Asian summer monsoon in CMIP6 simulations

502	70	TUE-24	S21-19	Prakash C.	Tiwari	Changing Precipitation Pattern and its Impact on Food Security in Marginalized Mountain Environment: An Illustration Innovative Responses and Adaptation by Indigenous Communities in Himalaya
711	47	MON-23	S22-09	Prakash C.	Tiwari	Urban Growth and its Natural Risks in High Mountains of Developing World under Climate Change: An Illustration of Uttarakhand Himalaya, India
503	92	MON-23	S39-10	Prakash C.	Tiwari	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
1632	122	MON-23	PC30-01	Danielle	Touma	Extreme fire weather events under climate variability and change in the western United States
918	39	THU-26	S10-06	Aradhna	Tripati	Observational Benchmarks for Temperature and Hydroclimates Derived from Carbonate Clumped Isotope Data, Past to Future
1246	106	WED-25	PC29-05	Wan-Ling	Tseng	Impact of Pacific–Japan pattern on temperature and heatwave events in summer over Taiwan
981	112	MON-23	PC07-03	Thea	Turkington	A Regional Monsoon Index for Southeast Asia
1617	12	WED-25	S03-12	Andrew	Turner	The effects of climate change on the global and regional monsoons
1610	13	WED-25	S03-13	Andrew	Turner	Mid-Latitude Controls on Monsoon Onset and Progression (the MiLCMOP project)
523	77	WED-25	S27-30	Uwe	Ulbrich	Impacts of climate change and weather extremes in Europe: building a knowledge base for decision support
1718	59	MON-23	S24-10	Sabine	Undorf	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
1375	11	THU-26	S07-11	Semeena	Valiyaveetil	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)
1454	50	TUE-24	S19-04	Semeena	Valiyaveetil	A new Climatological Leaf Area Index (LAI) data derived from the Global Land Surface Satellite (GLASS) products for Land Surface models and Forecast models

# CONFERENCE HOSTS

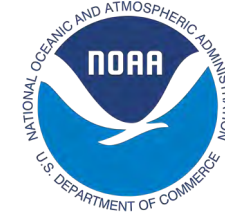


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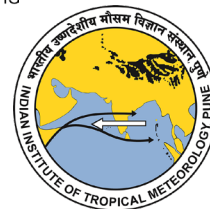
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