

# The Abdus Salam International Centre for Theoretical Physics



## 3rd Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics: Tropical Oceans, ENSO and their teleconnections |

18 Jul 2022 - 29 Jul 2022 ICTP, Italy

## 6 Directors

1.	CAPOTONDI Maria Antonietta	(In Pers.)	University of Colorado and NOAA/ESR	United States of America
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3.	KUCHARSKI Fred	(In Pers.)	ICTP	Italy
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5.	STRAUS Martin David	(In Pers.)	George Mason University	United States of America
6.	TOMPKINS Mark Adrian	(In Pers.)	ICTP	Italy

### 20 Lecturers

1.	ABID Muhammad Adnan	(In Pers.)	ICTP	Italy
2.	BORDONI Simona	(In Pers.)	University of Trento	Italy
3.	CHERCHI Annalisa	(Online)	Centro Euro Mediterraneo per i Cambiamenti Climatici CMCC , Istituto Nazionale di Geofisica e Vulcanologica INGV	Italy
4.	FEDOROV Alexey V.	(In Pers.)	Yale University, Department of Geology & Geophysics	United States of America
5.	GUILYARDI Eric	(In Pers.)	LOCEAN Laboratoire d"Oceanographie Experimentation et Approches Numeriques, IPSL Institut Pierre Simon LaPlace, Universite" Pierre et Marie Curie	France
6.	JIN Fei-Fei	(In Pers.)	University of Hawaii at Manoa SOEST, Department of Meteorology, Science of the Atmosphere	United States of America
7.	KANG In Sik	(In Pers.)	Second Institute of Oceanography	People's Republic of China
8.	KIRTMAN Benjamin Paul	(Online)	University of Miami, Rosenstiel School of Marine and Atmospheric Science, RSMAS,MGG	United States of America
9.	KRISHNAMURTHY Venkataramanaiah	(Online)	George Mason University, GMU, The Center for Ocean, Land, Atmosphere Studies, COLA	United States of America
10.	L'HEUREUX Michelle	(In Pers.)	NOAA	United States of America
11.	MCPHADEN James Michael	(In Pers.)	NOAA / PMEL	United States of America
12.	MOLTENI Franco	(Online)	ECMWF	United Kingdom
13.	PLANTON Yann	(In Pers.)	NOAA/PMEL	United States of America
14.	RAVINDRAN Ajaya Mohan	(Online)	Center for Prototype Climate Modelling	United Arab Emirates
15.	ROBERTSON Andrew William	(In Pers.)	International Research Institute for Climate and Society, IRI, The Earth Institute, Columbia University	United States of America
16.	SANTOSO Agus	(Online)	-	-
17.	SWENSON Erik Thomas	(In Pers.)	George Mason University, GMU, The Center for Ocean, Land, Atmosphere Studies, COLA	United States of America
18.	WANG Chunzai	(Online)	Chinese Academy of Sciences	People's Republic of China
19.	WITTENBERG Thorne Andrew	(In Pers.)	NOAA Geophysical Fluid Dynamics Laboratory	United States of America
20.	XIE Shang-Ping	(Online)	Scripps Institution of Oceanography, University of California, San Diego	United States of America

#### 3 Speakers

BARIMALALA Rondrotiana     OJHA Narendra	(In Pers.)	University of Cape Town Physical Research Laboratory, Space and	South Africa	
	(111 65.)	Atmospheric Division	muia	
3. THUAL Sulian	(In Pers.)	CECI - CERFACS/CNRS	France	
114 Participants				
1. ABDELKADER DI CARLO Isma	(In Pers.)	Laboratoire des Sciences du Climat et de l'Environnement	France	

21. DAS Debanjana (In Pers.) Department of Geological Sciences, Jackson School United States of America of Geosciences, The University of Texas at Austin, Austin, USA	2.	AFFRAM Grace Esenam	(In Pers.)	Utah State University Department of Plants, Soils and Climate	United States of America
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Journal of a strategy of the	4.	AMOOLI Joe Adabouk	(Online)	West African Science Service Center on Climate Change And Adapted Land Use(WASCAL), University Joseph Ki-Zerbo, Doctorate School of Informatics for	Burkina Faso
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Image: Section	7.	AWO Founi Mesmin	(Online)	Research, Department of Oceanography, University of	South Africa
Instrume     (in Pers.)     University of Vierna, Department of Meteorology and Geophysics     Austria       11.     EELLACAAZONE Fabio     (onim)     -     Italy       12.     BENCHE Margot     (in Pers.)     Laboratoria of Klutes en Gaphysics et Ochanographysics et Ochanographysics et Ochanographysics     India       13.     BHARATI Priya     (Onim)     Carite for Oceans, Rivers, Almosphere and Land Sciences(CORL), Indian Institute of Technology, Bhasesware School of UIT), Khanagar (Mets Bangs).     India       14.     BOLIKA Lina     (Onime)     Geophysical Institute of Technology, Bhasesware School of earth, Ocean and Clinate Sciences     Norway       15.     BUCHA Krisna     (Onime)     Geophysical Institute of Technology, Bhasesware School of earth, Ocean and Clinate Sciences     India       16.     CASALLAS GARCIA Alejandro     (in Pers.)     Sciences faculty, Department of geoscience - meteonology, Bhasesware School of earth, Ocean and Clinate Sciences     India       17.     CHAKRABORTY Tapalyoti     (Onime)     Earth Ocean and Clinate Sciences     Republic of Camebon       18.     CHAUDIN Ashneel     (Onime)     Boothoristy of Yacundo 1, Faculty of Sciences, Internotion     Republic of Clinita       19.     DAKUAN Yu     (Onime)     -     Peoples Republic of Clinita       20.     DAKUAN Yu     (Onime)     Sciences     Peoples Republic of Clinita       21. <td< th=""><th>8.</th><th>BAHAGA Kassa Titike</th><th>(Online)</th><th>(ICPAC) Ngong Town Kibiku A Road, P.O.Box 10304-</th><th>Kenya</th></td<>	8.	BAHAGA Kassa Titike	(Online)	(ICPAC) Ngong Town Kibiku A Road, P.O.Box 10304-	Kenya
Geophysics         Head of the Automation of Automatica automation of	9.	BAHMANZADE Fateme	(Online)	University of Tehran Institute of Geophysics	Islamic Republic of Iran
12.     BENCHE Margot     In Pars.     Laboratorie d'Eludes en Géophysique et Oceanographie Spatiales - UMRSSér, Chiservatore Md Pryniess     France       13.     BHARATT Priya     IORIN9     Centre for Oceans, Rives, Amosphere and Land Sciences (CARAL), Indian Institute of Technology (IT), Kharagour West Bengal).     India       14.     BOLJKA Lina     IORIN9     Gorphysical Institute, University of Bergen     Norway       15.     BUCHA Krina     IORIN9     Goophysical Institute, University of Bergen     Norway       16.     CASALLAS GARCIA Alejandro     (Indian Institute of Technology, Blubaneswar School of entecorology     India       17.     CHAKRABORTY Tapajyoti     (IORIN9)     Indian Institute of Technology, Blubaneswar School of entecorology     India       18.     CHANDRA Ashneel     (IORIN9)     Electronic Institute, University of Bergen     Norway       19.     CLAUDIN Technola Wamba     (IORIN9)     Electronic Institute, University of English Calabracian Sciences     Republic of Calmon       20.     DAKUAN Yu     (IORIN9)     -     People's Republic of Chin Austin, USA     People's Republic of Chin Austin, USA       21.     DAS Staojie     (IORIN9)     Listories Sciences, The University of Texas at Austin, P.O.BOX 812 Yabaude-Calmeron     People's Republic of Chin Austin, USA       22.     DING Xiaojie     (IORIN9)     Electronic Sciences, The University of Texas at Austin, P.O.BOX 812 Y	10.	BAIER Katharina	(In Pers.)		Austria
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15.     BUCHA Krisna     (Online)     Open University of Mauritius     Mauritius       16.     CASALLAS GARCÍA Alejandro     (In Pers.)     Science faculty, Department of geoscience - meteorology     Colombia       17.     CHAKRABORTY Tapajyoti     (Online)     Indian Institute of Technology, Bhubaneswar School of earth, Ocean and Climate Sciences     India       18.     CHANDRA Ashneel     (Online)     Geophysical Institute, University of Sciences. Department of Physics, Laboratory for Environmental Modeling and Atmospheric Physics     Noway       19.     CLAUDIN Technda Wamba     (Online)     -     People's Republic of Chinic Modeling and Atmospheric Physics     Republic of Chinic       20.     DAKUAN Yu     (Online)     -     People's Republic of Chinic Modeling and Atmospheric Physics     United States of America Modeling and Atmospheric Physics     United States of America Modeling and Atmospheric Physics     United States of America Modeling and Atmospheric Physics     People's Republic of Chinic Modeling and Atmospheric Physics     United States of America Modeling and Atmospheric Physics     People's Republic of Chinic Modeling and Atmospheric Physics     United States of America Modeling and Atmospheric Physics     People's Republic of Chinic Modeling and Atmospheric Sciences and Neteorology     Philippines       21.     DAS Debanjana     (Online)     Institute of Coceanoga, Chinese Academy of Sciences     People's Republic of Chinic Modeling and Atmospheric Science and Meteorology     Philippines	13.	BHARATI Priya	(Online)	Sciences(CORAL), Indian Institute of Technology	India
16.       CASALLAS GARCÍA Alejandro       (In Paris.)       Science faculty, Department of geoscience - meteorology       Colombia         17.       CHAKRABORTY Tapajyoti       (Online)       Indian Institute of Technology, Bhubaneswar School of all all all all and Climate Sciences       India         18.       CHANDRA Ashneel       (Online)       Geophysical Institute, University of Bergen       Norway         19.       CLAUDIN Tehinda Wamba       (Online)       Department of Physics, Laboratory for Environmental Modeling and Atmospheric Physics (LEMAP), P. O. BOX 812 Yaounde-Cameroon       People's Republic of Cameroon Department of Physics, Laboratory for Environmental Modeling and Atmospheric Physics (LEMAP), P. O. BOX 812 Yaounde-Cameroon       People's Republic of Chin Cameroon         20.       DAKUAN Yu       (Online)       -       People's Republic of Chin Cameroon         21.       DAS Debanjana       (In Peris.)       Department of Horizes at Austin, Austin, Austin, Austin, United States of America of Geosciences, The University of Texas at Austin, Austin, USA       United States of America Academy of Science and Meteorology       Philippines         22.       DING Xiaojle       (Online)       Institute of Environmental Science and Meteorology       Philippines         23.       DIOCAMPO Tamayo Ryan       (Online)       K Banejee Centre of Atmospheric and Ocean Studes, India       United States of America School Columbia University of Allanabad       United States of America School	14.	BOLJKA Lina	(Online)	Geophysical Institute, University of Bergen	Norway
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20.       DAKUAN Yu       (Online)       People's Republic of Chin         21.       DAS Debanjana       (In Pers.)       Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin, Austin, USA       United States of America of Geosciences, The University of Texas at Austin, Austin, USA         22.       DING Xiaojie       (Online)       South China Sea Institute of Oceanology, Chinese Academy of Sciences       People's Republic of Chin Austin, USA         23.       DIOCAMPO Tamayo Ryan       (Online)       South China Sea Institute of Coreanology, Chinese Academy of Sciences       People's Republic of Chin Academy of Sciences         24.       DISERA Anne Laurel       (Online)       International Research Institute for Climate and Society, Climate School, Columbia University       United States of America Society, Climate School, Columbia University         25.       DWIVEDI Suneet       (Online)       Correll University of Harbabad       United States of America Society, Climate School, Columbia University       India         27.       FEBRE Jose Cristian       (In Pers.)       Correll University of Malabada       United States of America School of Matine and Atmospheric Sciences, Rosenstiel School of Matine and Atmospheric Sciences, Rosenstiel       United States of America School of Matine and Atmospheric Sciences, Rosenstiel         28.       FEBRE Jose Cristian       (In Pers.)       Department of Atmospheric Sciences,	18.	CHANDRA Ashneel	(Online)	Geophysical Institute, University of Bergen	Norway
21. DAS Debanjana       (In Pers.)       Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin, Austin, USA       United States of America of Geosciences, The University of Texas at Austin, Austin, USA         22. DING Xiaojie       (Online)       South China Sea Institute of Oceanology, Chinese       People's Republic of Chin Academy of Sciences         23. DIOCAMPO Tamayo Ryan       (Online)       Institute of Environmental Science and Meteorology       Philippines         24. DISERA Anne Laurel       (In Pers.)       International Research Institute for Climate and Society, Climate School, Columbia University       University of Allahabad       United States of America Society, Climate School, Columbia University         25. DWIVEDI Suneet       (Online)       Kanroper Correct of Atmospheric and Ocean Studies, University of Allahabad       United States of America Society, Climate School, Columbia University         26. EVANS Parker Colin       (In Pers.)       Cornell University of Partment of Earth and Atmospheric Sciences Emergent Climate Risks Lab       United States of America School of Marine and Atmospheric Sciences, Rosenstiel       United States of America School of Marine and Atmospheric Sciences, University of Miami and Atmospheric Sciences, University of Miami         29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geoprity of Miami       Indonesia         30. FU Shuo       (Online)       Duke University       United States of America Scricolic Sciences, Servicio Meteorolog	19.	CLAUDIN Tchinda Wamba	(Online)	Department of Physics, Laboratory for Environmental Modeling and Atmospheric Physics (LEMAP),	Republic of Cameroon
di Geosciences, The University of Texas at Austin, Austin, USA         22. DING Xiaojie       (Online)       South China Sea Institute of Ceanology, Chinese Academy of Sciences       People's Republic of Chin Academy of Sciences         23. DIOCAMPO Tamayo Ryan       (Online)       Institute of Environmental Science and Meteorology University of the Philippines Diliman       Philippines         24. DISERA Anne Laurel       (In Pers.)       International Research Institute for Climate and Society, Climate School, Columbia University       United States of America         25. DWIVEDI Suneet       (Online)       K Baerejee Centre of Atmospheric and Ocean Studies, University of Allahabad       India         26. EVANS Parker Colin       (In Pers.)       Cornell University Department of Earth and Atmospheric Sciences Emergent Climate Risks Lab       United States of America         27. FEBRE Jose Cristian       (In Pers.)       Institute of Oceanography, CEN, Universität Hamburg, Germany       Germany         28. FENSKE Mitchell Tyler       (In Pers.)       Department of Atmospheric Sciences, Rosenstiel School of Marine and Atmospheric Sciences, University of Miami       United States of America         29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)       Indonesia         30. FU Shuo       (Online)       Direccinia Central de Monitoreo del Clima, Dirección Nacional de Cliencia, Erionica Servicio Meteorology Climatology and Servicios, Servicio Meteorologico Nacional Be	20.	DAKUAN Yu	(Online)		People's Republic of China
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24. DISERA Anne Laurel(In Pers.)International Research Institute for Climate and Society, Climate School, Columbia UniversityUnited States of America25. DWIVEDI Suneet(Online)K Banerjee Centre of Atmospheric and Ocean Studies, University of AllahabadIndia26. EVANS Parker Colin(In Pers.)Cornell University Department of Earth and Atmospheric Sciences Emergent Climate Risks LabUnited States of America27. FEBRE Jose Cristian(In Pers.)Institute of Oceanography, CEN, Universität Hamburg, Hamburg, GermanyGermany28. FENSKE Mitchell Tyler(In Pers.)Department of Atmospheric Sciences, Rosenstiel School of Marine and Atmospheric Sciences, University of MiamiUnited States of America29. FIRDAUS Randi(Online)Online)Duke UniversityUnited States of America30. FU Shuo(Online)Online)Duke UniversityUnited States of America31. GARBARINI Maria Eugenia(Online)Duke UniversityArgentina31. GARBARINI Maria Eugenia(Online)Dirección Central de Monitoreo del Clima, Dirección Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorologico Nacional (DCMC,Argentina	22.	DING Xiaojie	(Online)		People's Republic of China
Society, Climate School, Columbia University         25. DWIVEDI Suneet       (Online)       K Banerjee Centre of Atmospheric and Ocean Studies, University of Allahabad       India         26. EVANS Parker Colin       (In Pers.)       Cornell University Department of Earth and Atmospheric Sciences Emergent Climate Risks Lab       United States of America Atmospheric Sciences, Emergent Climate Risks Lab         27. FEBRE Jose Cristian       (In Pers.)       Institute of Oceanography, CEN, Universität Hamburg, Hamburg, Germany       Germany         28. FENSKE Mitchell Tyler       (In Pers.)       Department of Atmospheric Sciences, Rosenstiel School of Marine and Atmospheric Sciences, Universität Hamburg, University of Miami       United States of America School of Marine and Atmospheric Sciences, Sciences, Intersciences, Sciences, University of Miami       Indonesia         29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)       Indonesia         30. FU Shuo       (Online)       Duke University       United States of America Nacional de Clencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DOMC,       Argentina	23.	DIOCAMPO Tamayo Ryan	(Online)		Philippines
26. EVANS Parker Colin       (In Pers.)       Cornell University Department of Earth and Atmospheric Sciences Emergent Climate Risks Lab       United States of America         27. FEBRE Jose Cristian       (In Pers.)       Institute of Oceanography, CEN, Universität Hamburg, Hamburg, Germany       Germany         28. FENSKE Mitchell Tyler       (In Pers.)       Department of Atmospheric Sciences, Rosenstiel School of Marine and Atmospheric Sciences, Rosenstiel University of Miami       United States of America         29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)       Indonesia         30. FU Shuo       (Online)       Duke University       United States of America         31. GARBARINI Maria Eugenia       (Online)       Dirección Central de Monitoreo del Clima, Dirección Argentina       Argentina	24.	DISERA Anne Laurel	(In Pers.)		United States of America
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28. FENSKE Mitchell Tyler       (In Pers.)       Department of Atmospheric Sciences, Rosenstiel School of Marine and Atmospheric Sciences, University of Miami       United States of America         29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)       Indonesia         30. FU Shuo       (Online)       Duke University       United States of America         31. GARBARINI Maria Eugenia       (Online)       Dirección Central de Monitoreo del Clima, Dirección Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DCMC,       Argentina	26.	EVANS Parker Colin	(In Pers.)		United States of America
29. FIRDAUS Randi       (Online)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)       Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)         30. FU Shuo       (Online)       Duke University       United States of America         31. GARBARINI Maria Eugenia       (Online)       Dirección Central de Monitoreo del Clima, Dirección Argentina	27.	FEBRE Jose Cristian	(In Pers.)		Germany
30. FU Shuo       (Online)       Duke University       United States of America         31. GARBARINI Maria Eugenia       (Online)       Dirección Central de Monitoreo del Clima, Dirección       Argentina         Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DCMC,       Servicios Argentina       Argentina	28.	FENSKE Mitchell Tyler	(In Pers.)	School of Marine and Atmospheric Sciences,	United States of America
31. GARBARINI Maria Eugenia (Online) Dirección Central de Monitoreo del Clima, Dirección Argentina Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DCMC,	29.	FIRDAUS Randi	(Online)		Indonesia
Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DCMC,	30.	FU Shuo	(Online)	Duke University	United States of America
	31.	GARBARINI Maria Eugenia	(Online)	Nacional de Ciencia e Innovación en Productos y Servicios, Servicio Meteorológico Nacional (DCMC,	Argentina

32.	GEONOVA Farid Muhamad	(Online)	Indonesian Agency for Meteorological, Climatological, and Geophysics   Deputy of Meteorology   Center of Maritime Meteorology	Indonesia
33.	GHATAK Sambrita	(In Pers.)	Dr. Jai Sukhatme's lab, Centre for Atmospheric and Oceanic Sciences(CAOS), INDIAN INSTITUTE OF SCIENCE	India
34.	HAASAN Mujtaba	(Online)	Institute of Space Technology	Pakistan
35.	HALDER Subrota	(Online)	Climate Variability and Decadal Prediction, Indian Institute of Tropical Meteorology	India
36.	HANKEL Camille	(In Pers.)	Harvard University, Department of Earth and Planetary Sciences, Research Advisor: Dr. Eli Tziperman	United States of America
37.	HERCEG BULIĆ Ivana	(In Pers.)	University of Zagreb, Faculty of Science, Department of Geophysics	Croatia
38.	HU Xinjia	(In Pers.)	Max Planck Institute for the Physics of Complex Systems	Germany
39.	IKUYAJOLU James Olawale	(In Pers.)	Georgia Institute of Technology School of Earth and Atmospheric Sciences	United States of America
40.	IVASIĆ Sara	(In Pers.)	Department of Geophysics, Faculty of Science, University of Zagreb Horvatovac 95, 10000 Zagreb, Croatia	Croatia
41.	IZA WONG Angela Maylee	(Online)	INAMHI Department of Mathematical Modeling for Weather and Climate	Ecuador
42.	KADJA Flore Gali	(In Pers.)	UNIVERSITY OF YAOUNDE I FACULTY OF SCIENCES DEPARTMENT OF PHYSICS Laboratory for Earth's Atmospheric Sciences	Republic of Cameroon
43.	KALYAN Arundhati	(Online)	Institute of Climate and Atmospheric Science, University of Leeds	United Kingdom
44.	KARSENA Haris Akhmad	(Online)	State College of Meteorology Climatology and Geophysics	Indonesia
45.	KESHRI Shreya	(Online)	Dr. Suhas Ettammal, Earth and Climate Science, Indian Institute of Science Education and Research Pune	India
46.	KHALID Bushra	(In Pers.)	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Science	People's Republic of China
47.	KHAMALLAH Youcef	(Online)	National higher school of marine sciences and coastal management	Algeria
48.	KIBRIA Md Minhazul	(In Pers.)	Shajalal University of Science and Technology, sylhet	Bangladesh
49.	KIM Soong-Ki	(Online)	Climate Theory Lab, Department of Atmospheric Sciences, Yonsei University	Republic of Korea
50.	KOEPNICK Eliana Kirstin	(In Pers.)	Harvard University, Applied Mathematics	United States of America
51.	KUMAR Sanjiv	(Online)	Geospatial and Environmental Informatics College of Forestry, Wildlife, and Environment Auburn University	United States of America
52.	KUO Yan-Ning	(In Pers.)	Ph.D. student, Department of Earth and Atmospheric Sciences, Cornell University	United States of America
53.	LAWMAN Elizabeth Allison	(In Pers.)	Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado Boulder and NOAA National Centers for Environmental Information (NCEI)	United States of America
54.	LE ROY Emmie	(Online)	Massachusetts Institute of Technology, Program in Atmospheres, Oceans and Climate in the Department of Earth, Atmospheric and Planetary Sciences	United States of America
55.	LI Juncong	(Online)	Department of Atmospheric and Oceanic Sciences, Fudan University	People's Republic of China
56.	LI Tianyan	(Online)	Institute of Atmospheric Physics, Chinese Academy of Sciences State Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical fluid dynamics	People's Republic of China
57.	LI Jing	(Online)	International CLIVAR Project Office (ICPO)	People's Republic of China
58.	LIN Yuxin	(Online)	Southern University of Science and Technology	People's Republic of China
FO		(Online)	Chinese Academy of Meteorological Sciences	People's Republic of China
59.	LIU Minghong	(Omme)	,,	
	LIU Minghong LUO Xinyue	(Online)	Department of Earth, Environmental and Planetary Science	United States of America

62.	MANTILLA Diego Juan	(Online)	Sistema de Alerta Temprana de Medellín y el Valle de Aburrá (SIATA) Early Warning System of Medellín and the Aburrá Valley, in Colombia Meteorology and Climatology research group	Colombia
63.	MARTÍN GÓMEZ Verónica	(In Pers.)	Earth Sciences Department, Barcelona Supercomputing Center	Spain
64.	MASIWAL Rajat	(Online)	Centre for Atmospheric and Oceanic Sciences (CAOS), Indian Institute of Science (IISc)	India
65.	MASTROPIERRO Matteo	(In Pers.)	Laboratoire des Sciences du Climat et de l'Environnement (LSCE)	France
66.	MEHTA Madhu	(Online)	Department of Environmental Science and Technology, Central University of Punjab, Ghudda	India
67.	MROZOWSKA Agnieszka Marta	(In Pers.)	University of Copenhagen, SCIENCE, Niels Bohr Institute, Physics of Ice, Climate and Earth	Denmark
68.	NA Mehak	(Online)	Earth and Climate Science, Indian Institute of Science Education and Research, Pune, India	India
69.	NEGI Singh Rakesh	(Online)	Council of Scientific and Industrial Research- Advanced Materials and Process Research Institute	India
70.	NGUYEN Khanh Ninh	(Online)	Paris Institute of Earth Physics (IPGP), French National Centre for Scientific Research (CNRS) Geodesy team	France
71.	OKORO Ugochukwu Kingsley	(Online)	Imo State University, Atmospheric Physics Group, Department of Physics, P.M.B. 2000, Owerri 460001, Nigeria.	Nigeria
72.	OLANIYAN Eniola Ajani	(In Pers.)	Center For Environmental Studies University of Abuja P.M.B 117, Abuja, NIGERIA.	Nigeria
73.	ORIHUELA PINTO Luis Bryam	(Online)	University of New South Wales	Australia
74.	OROZCO MONTOYA Ricardo Alonso	(In Pers.)	Universidad de Buenos Aires Departamento de Ciencias de la Atmósfera y los Océanos	Argentina
75.	OSMAN ADAM ABDALLA Abdalla	(Online)	University of Bahri , College of Applied and Industrial Science , Department of physics and Meteorology , Meteorological Unit	the Republic of Sudan
76.	OTIENO Owanda Vincent	(Online)	The Technical University of Kenya Faculty of Applied Science and Technology School of Physical Science and Technology Department of Geoscience and Environment	Kenya
77.	OVHAL Manikrao Supriya	(Online)	INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM), PUNE	India
78.	OYELAKIN Oyekunle Michael	(In Pers.)	Abdus Salam International Centre for Theoretical	Italy
			Physics	
79.	PAL Jayanti	(Online)	Physics Central University of Rajasthan	India
	-	(Online) (Online)	•	-
80.	PAL Jayanti		Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of	India
80. 81.	PAL Jayanti PANDEY Pushpa	(Online)	Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of Allahabad.	India India
80. 81. 82.	PAL Jayanti PANDEY Pushpa PATEKAR Dasharath Darshana	(Online)	Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of Allahabad. Indian Institute of Tropical Meteorology UGC-SVU Centre for MST Radar Applications Department of Physics, S V University Andhra	India India India
80. 81. 82. 83.	PAL Jayanti PANDEY Pushpa PATEKAR Dasharath Darshana PRADHAN Kumar Prabodha	(Online) (Online) (Online)	Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of Allahabad. Indian Institute of Tropical Meteorology UGC-SVU Centre for MST Radar Applications Department of Physics, S V University Andhra Pradesh University of Exeter, College of Engineering,	India India India India
80. 81. 82. 83. 84.	PAL Jayanti PANDEY Pushpa PATEKAR Dasharath Darshana PRADHAN Kumar Prabodha QIU Weiteng	(Online) (Online) (Online) (In Pers.)	Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of Allahabad. Indian Institute of Tropical Meteorology UGC-SVU Centre for MST Radar Applications Department of Physics, S V University Andhra Pradesh University of Exeter, College of Engineering, Mathematics and Physical Sciences Climate System Analysis Group, Department of Environmental and Geographical science, University	India India India India United Kingdom
80. 81. 82. 83. 84.	PAL Jayanti PANDEY Pushpa PATEKAR Dasharath Darshana PRADHAN Kumar Prabodha QIU Weiteng QUAGRAINE Akumenyi Kwesi	(Online) (Online) (Online) (In Pers.) (Online)	Central University of Rajasthan K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS), Faculty of Science, University of Allahabad. Indian Institute of Tropical Meteorology UGC-SVU Centre for MST Radar Applications Department of Physics, S V University Andhra Pradesh University of Exeter, College of Engineering, Mathematics and Physical Sciences Climate System Analysis Group, Department of Environmental and Geographical science, University of Cape Town Agricultural Research Council, institute for Natural	India India India India United Kingdom South Africa
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91.	SARTHI Parth Pradhan Parth	(Online)	Centre for Environmental Sciences, Central University of South Bihar, Camp Off: BIT Patna, SH-7, Gaya- Panchanpur Road, P.O: FatehpurDistrict- Gaya (Bihar) PIN-824236, India	India
92.	SCHLÖR Jakob	(In Pers.)	Cluster of Excellence Machine Learning in Science, Eberhard Karls Universität Tübingen	Germany
93.	SCHWARZWALD Kevin	(In Pers.)	Columbia University, Dept of Earth & Environmental Sciences; Lamont-Doherty Earth Observatory	United States of America
94.	SHAHI Namendra Kumar	(Online)	Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Viale Carlo Berti Pichat, 6/2, Bologna-40127, Italy	Italy
95.	SIADARI Larasati Ejha	(Online)	University of Washington, Department of Atmospheric Science	United States of America
96.	SISWANTO Siswanto	(In Pers.)	The Agency for Meteorology, Climatology, and Geophysics (BMKG)	Indonesia
97.	SUNDARESAN Aneesh	(In Pers.)	IBS Center for Climate Physics, Pusan National University	Republic of Korea
98.	SYED Faisal Saeed	(Online)	The General Authority of Meteorology and Environmental Protection	Saudi Arabia
99.	TASHEBO Gezahegn Bekele	(Online)	Ethiopian Meteorological Institute	Ethiopia
100.	TCHINDA FEUDJIO Armand	(Online)	Institute of Mathematics and Physical Sciences (IMSP) Bénin	Republic of Cameroon
101.	TEDESCHI Renata Goncalves	(Online)	Instituto Tecnologico Vale	Brazil
102.	TOMETY Folly Serge	(Online)	University of Cape Town, Department of Oceanography	South Africa
103.	TRASCASA CASTRO Paloma	(In Pers.)	University of Leeds, School of Earth and Environment, Institute for Climate and Atmospheric Science.	United Kingdom
104.	VERMA Shruti	(Online)	1.Department of Geophysics, Institute of Science, Banaras Hindu University, Varanasi, India 2.DST- Mahamana Centre of Excellence in Climate Change Research, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi, India	India
105.	VIBHUTE Amol Suresh	(Online)	Indian Institute of Tropical Meteorology, Pune	India
106.	WANG Run	(Online)	State Key Laboratory of Severe Weather, Chinese Academy of Meteorological Sciences	People's Republic of China
107.	WENHAJI NDOMENI Claudine	(In Pers.)	CNRS - LMD Centre National de la Recherche Scientifique Laboratoire de Météorologie Dynamique Ecole Normale Supérieure	France
108.	WIDODO Agus Ahmad	(Online)	Aviation Meteorology Office of Riau Province, Agency for Meteorology, Climatology, and Geophysics	Indonesia
109.	WILLIAMS Cameron Ned	(In Pers.)	University of Exeter	United Kingdom
110.	WU Xian	(In Pers.)	Climate and Global Dynamics Division, National Center for Atmospheric Research	United States of America
111.	ZAHAN Yasmin	(Online)	Department of Physics, Cotton University	India
112.	ZHANG Xiang	(Online)	Department of Atmospheric and Oceanic Sciences / Institute of Atmospheric Sciences, Fudan University	People's Republic of China
113.	ZHANG Xiaolin	(Online)	Department of Earth and Planetary Sciences, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka, 819- 0395, Japan.	Japan
114.	ZHENG Yiyu	(Online)	Maria Rugenstein's group, Department of Atmospheric Science, Colorado State University	United States of America