CL – Climate: Past, Present, Future – Orals and PICOs

Monday, 08 April	
MO1, 08:30–10:00	**CL0**, Open Session on Climate: Past, Present and Future, **08:30–12:00**, **Room Y6**
	CL2.1, Urban climate, urban heat island and urban biometeorology, **08:30–12:00**, **Room Y8**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–17:00**, **Room Y9**
	SSS7.2/AS4.15/BG2.20/CL2.8/NH8.4, Soils and Human Health (co-organized), **08:30–10:15**, **Room B8**
MO2, 10:30–12:00	**CL0**, Open Session on Climate: Past, Present and Future, **08:30–12:00**, **Room Y6**
	CL2.1, Urban climate, urban heat island and urban biometeorology, **08:30–12:00**, **Room Y8**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–17:00**, **Room Y9**
	PSD7.3, CL5.7/NP8.1 - Stochasticity and Statistical Physics in Climate Dynamics, **10:30–11:15**, **Room B4**
MO3, 13:30–15:00	**CL2.4**, Synoptic climatology – methods and applications, **13:30–15:00**, **Room Y8**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–17:00**, **Room Y9**
	CL5.6, Ensemble Methods for Combining Alternative Models of Climate Change, **13:30–15:00**, **Room Y6**
	NP2.2/AS1.17/CL5.12/OS5.8, Nonlinear Dynamics of the Atmosphere, Ocean and the Climate System (co-organized), **13:30–15:15**, **Room Y10**
MO4, 15:30–17:00	**CL1.5**, Evolution of the Asian Monsoon over millennial and longer timescales, **15:30–17:00**, **Room Y6**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–17:00**, **Room Y9**
	CL5.7/NP8.1, Stochasticity and Statistical Physics in Climate Dynamics (co-organized), **15:30–17:00**, **Room Y8**
	NP2.4/CL5.14/ESSI2.10, Complex networks and data-driven knowledge discovery in geophysical systems (co-organized), **15:30–17:15**, **Room Y10**
	PSD1.5, GI2.7/AS4.18/CL5.10/CR1.4/ESSI1.6 - Taking the temperature of the Earth: Temperature Variability and Change across all Domains of Earth's Surface, **15:30–16:15**, **Room R5**
	PSD7.8, CL2.4 - Synoptic climatology – methods and applications, **15:30–16:15**, **Room B4**
MO5, 17:30–19:00	**PSD7.1**, CL0 - Open Session on Climate: Past, Present and Future, **17:30–18:15**, **Room B4**
Tuesday, 09 April	
TU1, 08:30–10:00	**CL2.5**, Earth radiation budget, radiative forcing and climate change, **08:30–15:00**, **Room Y6**
	CL2.6/IG11, Water vapor isotope advances in observations, models, and measurement techniques (co-organized), **08:30–10:00**, **Room Y8**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–12:00**, **Room PICO Spot 3**
	CL4.4, Using paleoclimate modelling and data to learn about the future, **08:30–10:00**, **Room Y9**
	NP3.1, Scaling in atmospheric, terrestrial, oceanic and biogeophysical processes (co-listed), **08:30–12:00**, **Room Y5**

TU2, 10:30–12:00	**CL1.4**, Climate response to orbital forcing (including Milankovic Medal lecture), **10:30–17:00**, **Room Y9**
	CL2.5, Earth radiation budget, radiative forcing and climate change, **08:30–15:00**, **Room Y6**
	CL3.1, Extreme Events and Impacts, **10:30–17:00**, **Room Y8**
	CL4.3, Interglacial climate change - Learning from paleoclimate archives and models, **08:30–12:00**, **Room PICO Spot 3**
	GI2.7/AS4.18/CL5.10/CR1.4/ESSI1.6, Taking the temperature of the Earth: Temperature Variability and Change across all Domains of Earth's Surface (co-organized), **10:30–12:00**, **Room G1**
	HS7.3/CL2.12/NP1.4, Water, climate and health (co-organized), **10:30–17:00**, **Room R1**
	NP3.1, Scaling in atmospheric, terrestrial, oceanic and biogeophysical processes (co-listed), **08:30–12:00**, **Room Y5**
TU3, 13:30–15:00	**CL1.4**, Climate response to orbital forcing (including Milankovic Medal lecture), **10:30–17:00**, **Room Y9**
	CL2.5, Earth radiation budget, radiative forcing and climate change, **08:30–15:00**, **Room Y6**
	CL3.1, Extreme Events and Impacts, **10:30–17:00**, **Room Y8**
	HS7.3/CL2.12/NP1.4, Water, climate and health (co-organized), **10:30–17:00**, **Room R1**
TU4, 15:30–17:00	**AS1.12**, African Monsoon Multidisciplinary Analysis (AMMA) - New Challenges (co-listed), **15:30–17:15**, **Room B10**
	CL1.4, Climate response to orbital forcing (including Milankovic Medal lecture), **10:30–17:00**, **Room Y9**
	CL2.3, Arctic climate change: governing mechanisms and global implications, **15:30–17:00**, **Room Y6**
	CL3.1, Extreme Events and Impacts, **10:30–17:00**, **Room Y8**
	HS7.3/CL2.12/NP1.4, Water, climate and health (co-organized), **10:30–17:00**, **Room R1**
	PSD7.7, CL4.4 - Using paleoclimate modelling and data to learn about the future, **16:30–17:15**, **Room B4**

Wednesday, 10 April

WE1, 08:30–10:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, **08:30–12:00**, **Room Y6**
	CL3.2/NH1.12/NP5.3, Decadal, seasonal and monthly climate predictions (co-organized), **08:30–15:00**, **Room Y9**
	CL4.1, Tropical Climate Variability and Teleconnections: past, present and future, **08:30–12:00**, **Room Y8**
	IG5/CL5.15/SSP4.2, Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized), **08:30–12:00**, **Room G13**
	NP2.1/AS1.20/CL4.12/OS1.6, ENSO: Dynamics, Predictability and Modelling (co-organized), **08:30–12:00**, **Room Y5**
WE2, 10:30–12:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, **08:30–12:00**, **Room Y6**
	CL3.2/NH1.12/NP5.3, Decadal, seasonal and monthly climate predictions (co-organized), **08:30–15:00**, **Room Y9**

	CL4.1, Tropical Climate Variability and Teleconnections: past, present and future, **08:30–12:00**, **Room Y8**
	IG5/CL5.15/SSP4.2, Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized), **08:30–12:00**, **Room G13**
	NP2.1/AS1.20/CL4.12/OS1.6, ENSO: Dynamics, Predictability and Modelling (co-organized), **08:30–12:00**, **Room Y5**
WE3, 13:30–15:00	**CL1.3**, Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, **13:30–15:00**, **Room Y6**
	CL3.2/NH1.12/NP5.3, Decadal, seasonal and monthly climate predictions (co-organized), **08:30–15:00**, **Room Y9**
	CL4.2/AS3.15/GM5.2, Aeolian dust: Initiator, Player, and Recorder of Environmental Change (co-organized), **13:30–17:00**, **Room Y8**
	HS7.2/AS1.6/CL5.13/NH1.3/NP3.8, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **13:30–17:00**, **Room R6**
	IG5/CL5.15/SSP4.2, Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized), **13:30–15:00**, **Room PICO Spot 4**
WE4, 15:30–17:00	**CL2.2**, Climate change impacts on African urban areas: quantification and uncertainties, **15:30–17:00**, **Room Y6**
	CL4.2/AS3.15/GM5.2, Aeolian dust: Initiator, Player, and Recorder of Environmental Change (co-organized), **13:30–17:00**, **Room Y8**
	HS7.2/AS1.6/CL5.13/NH1.3/NP3.8, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **13:30–17:00**, **Room R6**
	PSD7.4, CL4.11 - Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, **15:30–16:15**, **Room R5**

Thursday, 11 April

TH1, 08:30–10:00	**CL1.8**, INTIMATE: INTegrating Ice core, MArine, and TErrestrial records 60-8 ka BP, **08:30–10:00**, **Room Y9**
	CL4.5/OS1.7, Global and regional sea level rise and variability: from past to future (co-organized), **08:30–12:00**, **Room Y8**
	CL5.2/GM1.3, Advances in Quaternary Geochronology (co-organized), **08:30–12:00**, **Room Y6**
	CL5.3, Regional climate modeling, including CORDEX, **08:30–17:00**, **Room Y5**
TH2, 10:30–12:00	**CL1.7**, Decadal to millennial scale climate variability of the late Quaternary (including Hans Oeschger Medal Lecture), **10:30–17:00**, **Room Y9**
	CL4.5/OS1.7, Global and regional sea level rise and variability: from past to future (co-organized), **08:30–12:00**, **Room Y8**
	CL5.2/GM1.3, Advances in Quaternary Geochronology (co-organized), **08:30–12:00**, **Room Y6**
	CL5.3, Regional climate modeling, including CORDEX, **08:30–17:00**, **Room Y5**
TH3, 13:30–15:00	**CL1.7**, Decadal to millennial scale climate variability of the late Quaternary (including Hans Oeschger Medal Lecture), **10:30–17:00**, **Room Y9**
	CL4.6, The climate of the Mediterranean region: from basic science to impacts, **13:30–17:00**, **Room Y8**
	CL5.3, Regional climate modeling, including CORDEX, **08:30–17:00**, **Room Y5**

	CL5.8, Climate Services - Underpinning Science, **13:30–17:00**, **Room Y6**
	HS7.4/AS1.22/CL2.15, Hydrological extremes in a changing climate: Risk and impacts on water infrastructure and insurance costs (co-organized), **13:30–15:00**, **Room R13**
	SSS8.6/CL2.9, Biochar and organic waste in soils: global warming mitigation and SOM quality (co-organized), **13:30–17:15**, **Room B9**
TH4, 15:30–17:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **15:30–17:00**, **Room B14**
	CL1.7, Decadal to millennial scale climate variability of the late Quaternary (including Hans Oeschger Medal Lecture), **10:30–17:00**, **Room Y9**
	CL4.6, The climate of the Mediterranean region: from basic science to impacts, **13:30–17:00**, **Room Y8**
	CL5.3, Regional climate modeling, including CORDEX, **08:30–17:00**, **Room Y5**
	CL5.8, Climate Services - Underpinning Science, **13:30–17:00**, **Room Y6**
	CR3.3/CL1.11, Ice-sheet and climate interactions (co-organized), **15:30–17:00**, **Room G11**
	NP3.5/AS4.7/CL5.1/HS8.1.10, Geophysical Downscaling Methods (co-organized), **15:30–17:00**, **Room Y10**
	PSD7.5, CL1.1 - Changes in Cenozoic pCO2: Causes, feedbacks and biotic responses, **15:30–16:15**, **Room B4**
	SSS8.6/CL2.9, Biochar and organic waste in soils: global warming mitigation and SOM quality (co-organized), **13:30–17:15**, **Room B9**

Friday, 12 April

FR1, 08:30–10:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **08:30–17:00**, **Room B14**
	AS4.14/CL2.13/SSS1.10, Saharan Weather, Climate and Dust (co-organized), **08:30–12:00**, **Room B10**
	CL1.9, Paleoclimates records in continental archives, **08:30–15:00**, **Room Y8**
	CL2.7, Solar forcing and coupling mechanisms in the terrestrial atmosphere, **08:30–12:00**, **Room Y6**
	CL4.9, Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS), **08:30–17:00**, **Room Y9**
FR2, 10:30–12:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **08:30–17:00**, **Room B14**
	AS4.14/CL2.13/SSS1.10, Saharan Weather, Climate and Dust (co-organized), **08:30–12:00**, **Room B10**
	CL1.9, Paleoclimates records in continental archives, **08:30–15:00**, **Room Y8**
	CL2.7, Solar forcing and coupling mechanisms in the terrestrial atmosphere, **08:30–12:00**, **Room Y6**
	CL4.9, Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS), **08:30–17:00**, **Room Y9**

	G5.2/AS3.17/CL5.11, Atmospheric Water Vapour Retrieval by Space Geodetic Techniques: Present Status and New Challenges (co-organized), **10:30–12:00**, **Room R14**
FR3, 13:30–15:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **08:30–17:00**, **Room B14**
	CL1.9, Paleoclimates records in continental archives, **08:30–15:00**, **Room Y8**
	CL4.9, Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS), **08:30–17:00**, **Room Y9**
	CL5.4, Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment, **13:30–17:00**, **Room Y6**
FR4, 15:30–17:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **08:30–17:00**, **Room B14**
	CL4.9, Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS), **08:30–17:00**, **Room Y9**
	CL5.4, Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment, **13:30–17:00**, **Room Y6**
	CL5.9/BG1.8/EMRP4.3/ERE5.6/GD8.7/GI3.8/GM11.1/GMPV39/HS12.2/NH5.9/OS3.4/SSP1.4, Major achievements and perspectives in scientific ocean and continental drilling (co-organized), **15:30–17:00**, **Room Y8**

CL – Climate: Past, Present, Future – Posters

Monday, 08 April	
MO2, 10:30–12:00	**CL5.7/NP8.1**, Stochasticity and Statistical Physics in Climate Dynamics (co-organized), **Yellow Posters**, **Z240–Z253** | Related: PSD7.3, see MO2
	PSD7.3, CL5.7/NP8.1 - Stochasticity and Statistical Physics in Climate Dynamics, **10:30–11:15**, **Room B4**
MO4, 15:30–17:00	**PSD1.5**, GI2.7/AS4.18/CL5.10/CR1.4/ESSI1.6 - Taking the temperature of the Earth: Temperature Variability and Change across all Domains of Earth's Surface, **15:30–16:15**, **Room R5**
	PSD7.8, CL2.4 - Synoptic climatology – methods and applications, **15:30–16:15**, **Room B4**
MO5, 17:30–19:00	**CL0**, Open Session on Climate: Past, Present and Future, **Yellow Posters**, **Z148–Z176** | Related: PSD7.1, see MO5
	CL1.5, Evolution of the Asian Monsoon over millennial and longer timescales, **Yellow Posters**, **Z177–Z191**
	CL2.1, Urban climate, urban heat island and urban biometeorology, **Yellow Posters**, **Z192–Z211**
	CL2.4, Synoptic climatology – methods and applications, **Yellow Posters**, **Z212–Z227** | Related: PSD7.8, see MO4
	CL5.6, Ensemble Methods for Combining Alternative Models of Climate Change, **Yellow Posters**, **Z228–Z239**
	GI2.7/AS4.18/CL5.10/CR1.4/ESSI1.6, Taking the temperature of the Earth: Temperature Variability and Change across all Domains of Earth's Surface (co-organized), **Red Posters**, **R150–R166** | Related: PSD1.5, see MO4
	NP2.4/CL5.14/ESSI2.10, Complex networks and data-driven knowledge discovery in geophysical systems (co-organized), **Blue Posters**, **B798–B813**
	SSS7.2/AS4.15/BG2.20/CL2.8/NH8.4, Soils and Human Health (co-organized), **Blue Posters**, **B605–B624**
MO5, 17:30–19:00	**PSD7.1**, CL0 - Open Session on Climate: Past, Present and Future, **17:30–18:15**, **Room B4**
Tuesday, 09 April	
TU4, 15:30–17:00	**PSD7.7**, CL4.4 - Using paleoclimate modelling and data to learn about the future, **16:30–17:15**, **Room B4**
TU5, 17:30–19:00	**AS1.12**, African Monsoon Multidisciplinary Analysis (AMMA) - New Challenges (co-listed), **Yellow Posters**, **Z54–Z73**
	CL1.4, Climate response to orbital forcing (including Milankovic Medal lecture), **Yellow Posters**, **Z180–Z197**
	CL2.3, Arctic climate change: governing mechanisms and global implications, **Yellow Posters**, **Z198–Z212**
	CL2.5, Earth radiation budget, radiative forcing and climate change, **Yellow Posters**, **Z213–Z237**
	CL2.6/IG11, Water vapor isotope advances in observations, models, and measurement techniques (co-organized), **Yellow Posters**, **Z238–Z249**
	CL3.1, Extreme Events and Impacts, **Yellow Posters**, **Z250–Z274**
	CL4.4, Using paleoclimate modelling and data to learn about the future, **Yellow Posters**, **Z275–Z292** | Related: PSD7.7, see TU4
	HS7.3/CL2.12/NP1.4, Water, climate and health (co-organized), **Red Posters**, **R315–R336**

	NP3.1, Scaling in atmospheric, terrestrial, oceanic and biogeophysical processes (co-listed), **Blue Posters**, **B924–B939**
Wednesday, 10 April	
WE4, 15:30–17:00	**PSD7.4**, CL4.11 - Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, **15:30–16:15**, **Room R5**
WE5, 17:30–19:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, **Yellow Posters**, **Z225–Z246**
	CL1.3, Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, **Yellow Posters**, **Z247–Z266**
	CL2.2, Climate change impacts on African urban areas: quantification and uncertainties, **Yellow Posters**, **Z267–Z277**
	CL3.2/NH1.12/NP5.3, Decadal, seasonal and monthly climate predictions (co-organized), **Yellow Posters**, **Z278–Z302**
	CL4.1, Tropical Climate Variability and Teleconnections: past, present and future, **Yellow Posters**, **Z303–Z321**
	CL4.2/AS3.15/GM5.2, Aeolian dust: Initiator, Player, and Recorder of Environmental Change (co-organized), **Yellow Posters**, **Z322–Z347**
	CL4.11, Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, **Yellow Posters**, **Z348–Z361** | Related: PSD7.4, see WE4
	HS7.2/AS1.6/CL5.13/NH1.3/NP3.8, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **Red Posters**, **R259–R284**
	NP2.1/AS1.20/CL4.12/OS1.6, ENSO: Dynamics, Predictability and Modelling (co-organized), **Blue Posters**, **B788–B803**
	NP2.2/AS1.17/CL5.12/OS5.8, Nonlinear Dynamics of the Atmosphere, Ocean and the Climate System (co-organized), **Blue Posters**, **B804–B821**
Thursday, 11 April	
TH4, 15:30–17:00	**PSD7.5**, CL1.1 - Changes in Cenozoic pCO2: Causes, feedbacks and biotic responses, **15:30–16:15**, **Room B4**
TH5, 17:30–19:00	**AS1.4/CL2.11/HS12.1**, Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) (co-organized), **Blue Posters**, **B797–B862**
	CL1.7, Decadal to millennial scale climate variability of the late Quaternary (including Hans Oeschger Medal Lecture), **Yellow Posters**, **Z58–Z87**
	CL1.8, INTIMATE: INTegrating Ice core, MArine, and TErrestrial records 60-8 ka BP, **Yellow Posters**, **Z88–Z100**
	CL1.9, Paleoclimates records in continental archives, **Yellow Posters**, **Z101–Z126**
	CL4.5/OS1.7, Global and regional sea level rise and variability: from past to future (co-organized), **Yellow Posters**, **Z127–Z152**
	CL4.6, The climate of the Mediterranean region: from basic science to impacts, **Yellow Posters**, **Z153–Z178**
	CL5.2/GM1.3, Advances in Quaternary Geochronology (co-organized), **Yellow Posters**, **Z179–Z196**
	CL5.3, Regional climate modeling, including CORDEX, **Yellow Posters**, **Z197–Z256**
	CR3.3/CL1.11, Ice-sheet and climate interactions (co-organized), **Blue Posters**, **B590–B604**

	HS7.4/AS1.22/CL2.15, Hydrological extremes in a changing climate: Risk and impacts on water infrastructure and insurance costs (co-organized), **Red Posters**, **R390–R405**
	NP3.5/AS4.7/CL5.1/HS8.1.10, Geophysical Downscaling Methods (co-organized), **Blue Posters**, **B697–B709**
	SSS8.6/CL2.9, Biochar and organic waste in soils: global warming mitigation and SOM quality (co-organized), **Blue Posters**, **B521–B535**
Friday, 12 April	
FR1, 08:30–10:00	**CL1.1**, Changes in Cenozoic pCO2: Causes, feedbacks and biotic responses, **Yellow Posters**, **Z200–Z211** | Related: PSD7.5, see TH4
	CL5.4, Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment, **Yellow Posters**, **Z261–Z286**
	CL5.8, Climate Services - Underpinning Science, **Yellow Posters**, **Z287–Z303**
FR3, 13:30–15:00	**AS4.14/CL2.13/SSS1.10**, Saharan Weather, Climate and Dust (co-organized), **Yellow Posters**, **Z175–Z199**
	CL2.7, Solar forcing and coupling mechanisms in the terrestrial atmosphere, **Yellow Posters**, **Z212–Z232**
	G5.2/AS3.17/CL5.11, Atmospheric Water Vapour Retrieval by Space Geodetic Techniques: Present Status and New Challenges (co-organized), **Red Posters**, **R11–R24**
FR5, 17:30–19:00	**CL4.9**, Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS), **Yellow Posters**, **Z233–Z260**
	CL5.9/BG1.8/EMRP4.3/ERE5.6/GD8.7/GI3.8/GM11.1/GMPV39/HS12.2/NH5.9/OS3.4/SSP1.4, Major achievements and perspectives in scientific ocean and continental drilling (co-organized), **Yellow Posters**, **Z304–Z315**