CL – Climate: Past, Present, Future – Oral Sessions

Monday, 04 April	
MO1, 08:30–10:00	**CL1.12**, INTegrating Ice core, MArine and TErrestrial records (INTIMATE) and the role of land/ocean/atmosphere interactions over the last 60,000 years, **Room 15**, **08:30–10:00**
	CL2.16, Urban climate, urban heat island and urban biometeorology, **Room 19**, **08:30–12:00**
	CL3.1/NP5.5, Decadal, seasonal and monthly forecasts (co-organized), **Room 17**, **08:30–10:00**
	CL4.4, Regional Climate Modeling and impacts, **Room 16**, **08:30–17:00**
	NP4.1, Time Series Analysis in the Geosciences - Concepts, Methods & Applications (co-listed), **Room 13**, **08:30–12:00**
	OS1.2/CL2.2, The North Atlantic and climate (co-organized), **Room D**, **08:30–17:00**
	OS1.6/AS2.5/CL2.11, Air-sea interactions from meso to regional scales within the tropics (co-organized), **Room 7**, **08:30–12:00**
	SSS1.3, Molecular proxies for studying biogeochemical changes in the environment (co-listed), **Room 9**, **08:30–12:00**
MO2, 10:30–12:00	**CL0**, Open Session on Climate: Past, Present and Future (including Hans Oeschger Medal Lecture), **Room 15**, **10:30–17:00**
	CL2.16, Urban climate, urban heat island and urban biometeorology, **Room 19**, **08:30–12:00**
	CL3.2, Extreme Events and Impacts, **Room 17**, **10:30–12:00**
	CL4.4, Regional Climate Modeling and impacts, **Room 16**, **08:30–17:00**
	NP4.1, Time Series Analysis in the Geosciences - Concepts, Methods & Applications (co-listed), **Room 13**, **08:30–12:00**
	OS1.2/CL2.2, The North Atlantic and climate (co-organized), **Room D**, **08:30–17:00**
	OS1.6/AS2.5/CL2.11, Air-sea interactions from meso to regional scales within the tropics (co-organized), **Room 7**, **08:30–12:00**
	SSS1.3, Molecular proxies for studying biogeochemical changes in the environment (co-listed), **Room 9**, **08:30–12:00**
MO3, 13:30–15:00	**CL0**, Open Session on Climate: Past, Present and Future (including Hans Oeschger Medal Lecture), **Room 15**, **10:30–17:00**
	CL1.22, Advances in the development and application of terrestrial paleoclimate proxies, **Room 19**, **13:30–17:00**
	CL3.9, Geoengineering techniques and what does volcanic activity tell us?, **Room 17**, **13:30–15:00**
	CL4.4, Regional Climate Modeling and impacts, **Room 16**, **08:30–17:00**
	HS7.3/CL3.7/NP1.4, Climate, water and health (co-organized), **Room 33**, **13:30–15:00**
MO4, 15:30–17:00	**CL0**, Open Session on Climate: Past, Present and Future (including Hans Oeschger Medal Lecture), **Room 15**, **10:30–17:00**
	CL1.22, Advances in the development and application of terrestrial paleoclimate proxies, **Room 19**, **13:30–17:00**
	CL3.8, Probabilistic climate prediction on multi-decadal to multi-centennial time scales, **Room 17**, **15:30–17:00**
	CL4.4, Regional Climate Modeling and impacts, **Room 16**, **08:30–17:00**

	G3.2/AS4.19/CL4.9/GD1.6/NH4.8/SM5.7, Geodesy and natural and induced hazards: Progress during 30 years of the WEGENER initiative (co-organized), **Room 18**, **15:30–17:00**
	OS1.2/CL2.2, The North Atlantic and climate (co-organized), **Room D**, **08:30–17:00**
Tuesday, 05 April	
TU1, 08:30–10:00	**CL1.4**, Climate response to orbital forcing, **Room 15**, **08:30–10:00**
	CL2.10, Tropical Climate Variability and Teleconnections: past, present and future, **Room 17**, **08:30–12:00**
	CL2.14, Climate Change and Forest Health, Growth, and Dynamics, **Room 25**, **08:30–10:00**
	CL2.15, Land-climate interactions from models and observations: Implications from past to future climate, **Room 16**, **08:30–12:00**
	CL4.1/NP8.2, Stochasticity and Statistical Physics in Climate Dynamics (co-organized), **Room 13**, **08:30–10:00**
	CL4.17/SSP1.5, Major achievements and perspectives in scientific ocean and continental drilling (co-organized), **Room 19**, **08:30–10:00**
	G3.2/AS4.19/CL4.9/GD1.6/NH4.8/SM5.7, Geodesy and natural and induced hazards: Progress during 30 years of the WEGENER initiative (co-organized), **Room 18**, **15:30–17:00**
	HS2.9, Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), **Room 36**, **08:30–12:00**
	OS1.2/CL2.2, The North Atlantic and climate (co-organized), **Room D**, **08:30–17:00**
	OS3.1, IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), **Room 11**, **08:30–17:00**
TU2, 10:30–12:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene (including Milutin Milankovic Medal Lecture), **Room 15**, **10:30–17:00**
	CL1.10/SSP4.7, Quaternary palaeoenvironments of Africa (co-organized), **Room 25**, **10:30–12:00**
	CL2.10, Tropical Climate Variability and Teleconnections: past, present and future, **Room 17**, **08:30–12:00**
	CL2.15, Land-climate interactions from models and observations: Implications from past to future climate, **Room 16**, **08:30–12:00**
	G3.2/AS4.19/CL4.9/GD1.6/NH4.8/SM5.7, Geodesy and natural and induced hazards: Progress during 30 years of the WEGENER initiative (co-organized), **Room 18**, **15:30–17:00**
	GM9.2, Glacial landforms and palaeoclimatic interpretation (co-listed), **Room 21**, **10:30–12:00**
	HS2.9, Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), **Room 36**, **08:30–12:00**
	HS7.4/AS4.9/CL3.4, Hydrological change versus climate change (co-organized), **Room 33**, **10:30–15:00**
TU3, 13:30–15:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene (including Milutin Milankovic Medal Lecture), **Room 15**, **10:30–17:00**
	CL2.13, Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), **Room 25**, **13:30–17:00**
	CL4.2, Climate Data Homogenization and Climate Trend/Variability Assessment, **Room 16**, **13:30–17:00**

	CL4.12, Advances in Quaternary Geochronology, **Room 13**, **13:30–15:00**
	HS7.4/AS4.9/CL3.4, Hydrological change versus climate change (co-organized), **Room 33**, **10:30–15:00**
	OS3.1, IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), **Room 11**, **08:30–17:00**
TU4, 15:30–17:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene (including Milutin Milankovic Medal Lecture), **Room 15**, **10:30–17:00**
	CL1.19, Ocean climate viewed through deep-sea corals, **Room 13**, **15:30–17:00**
	CL2.13, Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), **Room 25**, **13:30–17:00**
	CL4.2, Climate Data Homogenization and Climate Trend/Variability Assessment, **Room 16**, **13:30–17:00**
	OS3.1, IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), **Room 11**, **08:30–17:00**
Wednesday, 06 April	
WE1, 08:30–10:00	**CL1.15/EG5**, Multi-proxy investigations of climates of the last millennium (co-organized), **Room 16**, **08:30–12:00**
	CL2.3, Mediterranean Climate: from past to future, **Room 15**, **08:30–15:00**
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5, Stable isotopes as tool in (paleo-)climate studies (co-organized), **Room 41**, **08:30–12:00**
	NP2.1, ENSO: Dynamics, Predictability and Modelling (co-listed), **Room 18**, **08:30–10:15**
	OS4.1/CL4.11, Open session on Operational Oceanography (co-organized), **Room D**, **08:30–12:00**
WE2, 10:30–12:00	**CL1.15/EG5**, Multi-proxy investigations of climates of the last millennium (co-organized), **Room 16**, **08:30–12:00**
	CL2.3, Mediterranean Climate: from past to future, **Room 15**, **08:30–15:00**
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5, Stable isotopes as tool in (paleo-)climate studies (co-organized), **Room 41**, **08:30–12:00**
	OS4.1/CL4.11, Open session on Operational Oceanography (co-organized), **Room D**, **08:30–12:00**
WE3, 13:30–15:00	**CL1.16**, The role of (sub)polar regions: modern dynamics, long-term trends and natural variability, **Room 16**, **13:30–17:00**
	CL2.3, Mediterranean Climate: from past to future, **Room 15**, **08:30–15:00**
	CR10.20, Ice-sheet and climate interactions (co-listed), **Room 7**, **13:30–15:00**
	NP2.3/AS4.20/CL4.6/GM2.7/HS12.9, Modelling and Understanding Geophysical Systems as Complex Networks (co-organized), **Room 13**, **13:30–15:00**
WE4, 15:30–17:00	**CL1.16**, The role of (sub)polar regions: modern dynamics, long-term trends and natural variability, **Room 16**, **13:30–17:00**
	ESSI1/AS4.17/CL4.8, International Collaboration and Integration Strategies for Climate and other Geosciences Informatics (co-organized), **Room 2**, **15:30–17:00**

Thursday, 07 April	
TH1, 08:30–10:00	**BG6.1**, Marine and Terrestrial proxies: development and reconstructions. (co-listed), **Room 24**, **08:30–12:00**
	CL1.24/AS4.1, Aeolian dust, initiator, player, and recorder of environmental change (co-organized), **Room 15**, **08:30–12:00**
	CL2.6, Earth radiation budget, radiative forcing and climate change, **Room 16**, **08:30–12:00**
	EOS06/BG1.14/CL5.1/ERE5.4, Modern Climate Science Education and Communications (co-organized), **Room 29**, **08:30–10:00**
	OS5.2, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), **Room 11**, **08:30–15:00**
TH2, 10:30–12:00	**BG6.1**, Marine and Terrestrial proxies: development and reconstructions. (co-listed), **Room 24**, **08:30–12:00**
	CL1.24/AS4.1, Aeolian dust, initiator, player, and recorder of environmental change (co-organized), **Room 15**, **08:30–12:00**
	CL2.6, Earth radiation budget, radiative forcing and climate change, **Room 16**, **08:30–12:00**
	OS5.2, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), **Room 11**, **08:30–15:00**
TH3, 13:30–15:00	**CL1.11**, Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), **Room 15**, **13:30–17:00**
	CL2.12, Solar and Geomagnetic Activity and Their Influences on the Earth's Weather and Climate, **Room 16**, **13:30–15:00**
	ESSI8, Uncertainty in Environmental Data and Models (co-listed), **Room 19**, **13:30–17:00**
	NP3.7, Geophysical Downscaling Methods (co-listed), **Room 13**, **13:30–15:15**
	OS5.2, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), **Room 11**, **08:30–15:00**
TH4, 15:30–17:00	**CL1.11**, Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), **Room 15**, **13:30–17:00**
	CL1.13, Advances in understanding Holocene climate variability and its impact on human society, **Room 13**, **15:30–17:00**
	CL2.17, Physical and biogeochemical feedbacks in the climate system and climate observations from space, **Room 16**, **15:30–17:00**
	ESSI8, Uncertainty in Environmental Data and Models (co-listed), **Room 19**, **13:30–17:00**
	NH1.7/AS4.6/CL3.6, Assessment of Weather-related Risk on Agricultural Production and Agribusiness (co-organized), **Room 4**, **15:30–17:00**
Friday, 08 April	
FR1, 08:30–10:00	**CL2.5/OS1.5**, Global and regional sea level rise and variability (co-organized), **Room 15**, **08:30–12:00**
	CL2.7, Circulation type classification and circulation regimes, **Room 16**, **08:30–10:00**
	NH1.1/AS4.5/CL3.3, Extreme events induced by extreme weather and climate change: Evaluation and forecasting of disaster risk and proactive planning (co-organized), **Room 10**, **08:30–12:00**
FR2, 10:30–12:00	**CL2.5/OS1.5**, Global and regional sea level rise and variability (co-organized), **Room 15**, **08:30–12:00**

	CL2.9, Teleconnections: dynamics, predictability, impacts, **Room 16**, **10:30–12:00**
	NH1.1/AS4.5/CL3.3, Extreme events induced by extreme weather and climate change: Evaluation and forecasting of disaster risk and proactive planning (co-organized), **Room 10**, **08:30–12:00**
FR3, 13:30–15:00	**CL1.6**, Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, **Room 16**, **13:30–17:00**
	CL2.8/AS4.2, Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-organized), **Room 15**, **13:30–17:00**
FR4, 15:30–17:00	**CL1.6**, Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, **Room 16**, **13:30–17:00**
	CL2.8/AS4.2, Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-organized), **Room 15**, **13:30–17:00**
	ESSI1/AS4.17/CL4.8, International Collaboration and Integration Strategies for Climate and other Geosciences Informatics (co-organized), **Room 19**, **15:30–17:00**

CL – Climate: Past, Present, Future – Poster Sessions

Monday, 04 April	
MO3, 13:30–15:00	**CL3.1/NP5.5**, Decadal, seasonal and monthly forecasts (co-organized), **Hall XL**, **XL81–XL95**
	NP3.7, Geophysical Downscaling Methods (co-listed), **Halls X/Y**, **XY524–XY542**
MO5, 17:30–19:00	**CL0**, Open Session on Climate: Past, Present and Future (including Hans Oeschger Medal Lecture), **Hall XL**, **XL1–XL22**
	CL1.12, INTegrating Ice core, MArine and TErrestrial records (INTIMATE) and the role of land/ocean/atmosphere interactions over the last 60,000 years, **Hall XL**, **XL23–XL41**
	CL1.22, Advances in the development and application of terrestrial paleoclimate proxies, **Hall XL**, **XL42–XL53**
	CL2.16, Urban climate, urban heat island and urban biometeorology, **Hall XL**, **XL54–XL80**
	CL3.2, Extreme Events and Impacts, **Hall XL**, **XL96–XL108**
	CL3.8, Probabilistic climate prediction on multi-decadal to multi-centennial time scales, **Hall XL**, **XL109–XL122**
	CL3.9, Geoengineering techniques and what does volcanic activity tell us?, **Hall XL**, **XL123–XL141**
	CL4.4, Regional Climate Modeling and impacts, **Hall XL**, **XL142–XL190**
	CR11.20, Ice deposits in caves: formation, evolution and climate-environment assessment (co-listed), **Hall XL**, **XL251–XL262**
	HS7.3/CL3.7/NP1.4, Climate, water and health (co-organized), **Hall A**, **A394–A407**
	NP4.1, Time Series Analysis in the Geosciences - Concepts, Methods & Applications (co-listed), **Halls X/Y**, **XY543–XY559**
	OS1.6/AS2.5/CL2.11, Air-sea interactions from meso to regional scales within the tropics (co-organized), **Halls X/Y**, **XY583–XY595**
	SSS1.3, Molecular proxies for studying biogeochemical changes in the environment (co-listed), **Hall Z**, **Z39–Z57**
Tuesday, 05 April	
TU4, 15:30–17:00	**CL1.10/SSP4.7**, Quaternary palaeoenvironments of Africa (co-organized), **Halls X/Y**, **XY221–XY229**
	ESSI7, Earth System Modeling: Strategies and Software (co-listed), **Hall XL**, **XL159–XL169**
TU5, 17:30–19:00	**CL1.2**, Modelling paleoclimates from the Cretaceous to the Holocene (including Milutin Milankovic Medal Lecture), **Halls X/Y**, **XY181–XY203**
	CL1.4, Climate response to orbital forcing, **Halls X/Y**, **XY204–XY220**
	CL1.19, Ocean climate viewed through deep-sea corals, **Halls X/Y**, **XY230–XY241**
	CL2.10, Tropical Climate Variability and Teleconnections: past, present and future, **Halls X/Y**, **XY242–XY265**
	CL2.13, Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), **Halls X/Y**, **XY266–XY287**
	CL2.14, Climate Change and Forest Health, Growth, and Dynamics, **Halls X/Y**, **XY288–XY297**

	CL2.15, Land-climate interactions from models and observations: Implications from past to future climate, **Halls X/Y**, **XY298–XY329**
	CL4.1/NP8.2, Stochasticity and Statistical Physics in Climate Dynamics (co-organized), **Halls X/Y**, **XY330–XY347**
	CL4.2, Climate Data Homogenization and Climate Trend/Variability Assessment, **Halls X/Y**, **XY348–XY364**
	CL4.12, Advances in Quaternary Geochronology, **Halls X/Y**, **XY365–XY378**
	CL4.17/SSP1.5, Major achievements and perspectives in scientific ocean and continental drilling (co-organized), **Halls X/Y**, **XY379–XY391**
	G3.2/AS4.19/CL4.9/GD1.6/NH4.8/SM5.7, Geodesy and natural and induced hazards: Progress during 30 years of the WEGENER initiative (co-organized), **Hall XL**, **XL184–XL213**
	GM9.2, Glacial landforms and palaeoclimatic interpretation (co-listed), **Hall A**, **A156–A166**
	HS2.9, Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), **Hall A**, **A184–A219**
	HS7.4/AS4.9/CL3.4, Hydrological change versus climate change (co-organized), **Hall A**, **A399–A422**
	OS1.2/CL2.2, The North Atlantic and climate (co-organized), **Halls X/Y**, **XY677–XY724**
Wednesday, 06 April	
WE3, 13:30–15:00	**NP2.1**, ENSO: Dynamics, Predictability and Modelling (co-listed), **Halls X/Y**, **XY417–XY434**
WE4, 15:30–17:00	**OS3.1**, IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), **Halls X/Y**, **XY575–XY596**
WE5, 17:30–19:00	**CL1.15/EG5**, Multi-proxy investigations of climates of the last millennium (co-organized), **Hall XL**, **XL17–XL49**
	CL1.16, The role of (sub)polar regions: modern dynamics, long-term trends and natural variability, **Hall XL**, **XL50–XL69**
	CL2.3, Mediterranean Climate: from past to future, **Hall XL**, **XL70–XL105**
	CR10.20, Ice-sheet and climate interactions (co-listed), **Hall XL**, **XL146–XL157**
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5, Stable isotopes as tool in (paleo-)climate studies (co-organized), **Hall A**, **A446–A473**
	NP2.3/AS4.20/CL4.6/GM2.7/HS12.9, Modelling and Understanding Geophysical Systems as Complex Networks (co-organized), **Halls X/Y**, **XY435–XY446**
Thursday, 07 April	
TH4, 15:30–17:00	**CL1.24/AS4.1**, Aeolian dust, initiator, player, and recorder of environmental change (co-organized), **Hall XL**, **XL35–XL56**
	CL2.6, Earth radiation budget, radiative forcing and climate change, **Hall XL**, **XL57–XL87**
TH5, 17:30–19:00	**BG6.1**, Marine and Terrestrial proxies: development and reconstructions. (co-listed), **Poster Area BG**, **BG37–BG58**
	CL1.11, Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), **Hall XL**, **XL1–XL22**
	CL1.13, Advances in understanding Holocene climate variability and its impact on human society, **Hall XL**, **XL23–XL34**

	CL2.12, Solar and Geomagnetic Activity and Their Influences on the Earth's Weather and Climate, **Hall XL**, **XL88–XL99**
	CL2.17, Physical and biogeochemical feedbacks in the climate system and climate observations from space, **Hall XL**, **XL100–XL118**
	EOS06/BG1.14/CL5.1/ERE5.4, Modern Climate Science Education and Communications (co-organized), **Hall Z**, **Z1–Z10**
	ESSI1/AS4.17/CL4.8, International Collaboration and Integration Strategies for Climate and other Geosciences Informatics (co-organized), **Hall XL**, **XL168–XL188**
	ESSI8, Uncertainty in Environmental Data and Models (co-listed), **Hall XL**, **XL199–XL215**
	NH1.7/AS4.6/CL3.6, Assessment of Weather-related Risk on Agricultural Production and Agribusiness (co-organized), **Halls X/Y**, **XY359–XY378**
	OS4.1/CL4.11, Open session on Operational Oceanography (co-organized), **Halls X/Y**, **XY619–XY647**

Friday, 08 April

FR1, 08:30–10:00	**CL1.6**, Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, **Hall XL**, **XL1–XL28**
FR2, 10:30–12:00	**CL2.8/AS4.2**, Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-organized), **Hall XL**, **XL64–XL86**
FR3, 13:30–15:00	**CL2.5/OS1.5**, Global and regional sea level rise and variability (co-organized), **Hall XL**, **XL29–XL51**
	CL2.7, Circulation type classification and circulation regimes, **Hall XL**, **XL52–XL63**
	CL2.9, Teleconnections: dynamics, predictability, impacts, **Hall XL**, **XL87–XL100**
	NH1.1/AS4.5/CL3.3, Extreme events induced by extreme weather and climate change: Evaluation and forecasting of disaster risk and proactive planning (co-organized), **Halls X/Y**, **XY174–XY200**
	OS5.2, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), **Halls X/Y**, **XY450–XY474**