

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

Monday, 23 April

MO1 , 08:30–10:00	CL0 , Open Session on Climate: Past, Present and Future, 08:30–12:00 in Room 16
	CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, 08:30–12:00 in Room 13
	CL5.1/GM2.5 , Advances in Quaternary Geochronology (co-organized), 08:30–15:00 in Room 15
	SSP1.2 , Reef and carbonate platform response to sea-level and environmental changes (co-listed), 08:30–10:00 in Room 41
MO2 , 10:30–12:00	AS1.14 , Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-listed), 10:30–12:00 in Room 7
	CL0 , Open Session on Climate: Past, Present and Future, 08:30–12:00 in Room 16
	CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, 08:30–12:00 in Room 13
	CL5.1/GM2.5 , Advances in Quaternary Geochronology (co-organized), 08:30–15:00 in Room 15
MOL , 12:15–13:15	PSD9.2 , CL1.1 - Progress in understanding Neoproterozoic pan-glaciations (potential Snowball Earth episodes) (posters only), 12:15–13:00 in Room 40
MO3 , 13:30–15:00	CL1.8 , Paleoenvironmental, tectonic and human evolution across the Levant-Anatolia Regions, 13:30–15:00 in Room 13
	CL5.1/GM2.5 , Advances in Quaternary Geochronology (co-organized), 08:30–15:00 in Room 15
	CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), 13:30–17:00 in Room 16
	SSP4.2 , Palaeoclimate records from speleothems: analytical techniques, proxies, and application (sponsored by IAS) (co-listed), 13:30–17:00 in Room 41
MO4 , 15:30–17:00	AS1.10 , The global monsoon system: variability and dynamics (co-listed), 15:30–17:00 in Room 10
	CL1.2 , Modelling paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, 15:30–17:00 in Room 15
	CL1.14 , Palaeoclimate records in lakes, 15:30–17:00 in Room 13
	CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), 13:30–17:00 in Room 16
	SC4/CL5.17 , Visualization and Data Analysis in Earth and Climate Science (co-organized), 15:30–19:00 in Room 25
	SSP4.2 , Palaeoclimate records from speleothems: analytical techniques, proxies, and application (sponsored by IAS) (co-listed), 13:30–17:00 in Room 41
MO5 , 17:30–19:00	PSD9.1 , CL0 - Open Session on Climate: Past, Present and Future, 17:30–18:15 in Room 40

SC4/CL5.17, Visualization and Data Analysis in Earth and Climate Science (co-organized), 15:30–19:00 in Room 25	
Tuesday, 24 April	
TU1, 08:30–10:00	AS1.10, The global monsoon system: variability and dynamics (co-listed), 15:30–17:00 in Room 10
	CL1.13, Decadal to millennial scale climate variability of the late Quaternary, 08:30–17:00 in Room 16
	CL1.16/AS4.1/BG2.12/IG15, Biogeochemistry of Atmospheric Methane: Isotopes to Models (co-organized), 08:30–10:00 in Room 13
	CL1.17/EG1, Reconstructing the climate of the last two millennia (including Hans Oeschger Medal Lecture) (co-organized), 08:30–15:00 in Room 15
	CR1.40/CL2.11, State of the cryosphere: observations and modelling (co-organized), 08:30–12:00 in Room 5
	NH1.11/AS4.16/CL2.4, Hazard Risk Managment in Agriculture and Agroecosystems (co-organized), 08:30–12:00 in Room 1
	NP8.1/CL5.2, Stochasticity and Statistical Physics in Climate Dynamics (co-organized), 08:30–10:15 in Room 28
TU2, 10:30–12:00	CL1.13, Decadal to millennial scale climate variability of the late Quaternary, 08:30–17:00 in Room 16
	CL1.17/EG1, Reconstructing the climate of the last two millennia (including Hans Oeschger Medal Lecture) (co-organized), 08:30–15:00 in Room 15
	CL5.4/NP4.5, Climate Time Series Analysis (co-organized), 10:30–12:00 in Room 13
	CR1.40/CL2.11, State of the cryosphere: observations and modelling (co-organized), 08:30–12:00 in Room 5
	NH1.11/AS4.16/CL2.4, Hazard Risk Managment in Agriculture and Agroecosystems (co-organized), 08:30–12:00 in Room 1
	SSS7.5, Biochar for soil remediation and global warming mitigation (co-listed), 10:30–17:00 in Room 3
TUL, 12:15–13:15	PSD19.1, NH1.11/AS4.16/CL2.4 - Hazard Risk Managment in Agriculture and Agroecosystems, 12:15–13:00 in Room 35
TU3, 13:30–15:00	CL1.17/EG1, Reconstructing the climate of the last two millennia (including Hans Oeschger Medal Lecture) (co-organized), 08:30–15:00 in Room 15
	CL2.1, Arctic climate change: governing mechanisms and global implications, 13:30–15:00 in Room 13
	CL5.11, EuroFORUM 2012: Major achievements and perspectives in scientific ocean and continental drilling, 13:30–17:00 in Room 16
	CR10.10, Ice-sheet and climate interactions (co-listed), 13:30–17:00 in Room 5
	GM9.2, Glacial landforms and palaeoclimatic interpretation (co-listed), 13:30–15:00 in Room 21
	SSP4.1, Walking on sunshine - Was human migration affected by past climate changes? (co-listed), 13:30–15:00 in Room 41
	SSS7.5, Biochar for soil remediation and global warming mitigation (co-listed), 10:30–17:00 in Room 3
TU4, 15:30–17:00	CL1.13, Decadal to millennial scale climate variability of the late Quaternary, 08:30–17:00 in Room 15
	CL2.5, Climate and infectious disease interactions, 15:30–17:00 in Room 13
	CL5.11, EuroFORUM 2012: Major achievements and perspectives in scientific ocean and continental drilling, 13:30–17:00 in Room 16

	CR10.10 , Ice-sheet and climate interactions (co-listed), 13:30–17:00 in Room 5
	SSS7.5 , Biochar for soil remediation and global warming mitigation (co-listed), 10:30–17:00 in Room 3
Wednesday, 25 April	
WE1 , 08:30–10:00	CL3.1 , Extreme Events and Impacts, 08:30–11:45 in Room 13
	CL4.3 , Mediterranean Climate: from past to future, 08:30–15:15 in Room 16
	CL4.10 , Ice core science and paleo-climate – important for both the past and the future, 08:30–10:00 in Room 15
	GM4.2 , Organic matter export across landscapes: Understanding the rates and controls (co-listed), 08:30–10:00 in Room 21
	NP2.1 , ENSO: Dynamics, Predictability and Modelling (co-listed), 08:30–10:15 in Room 17
WE2 , 10:30–12:00	CL2.8/AS1.13/ST6.5 , Impact of solar and geomagnetic variabilities on the Earth's lower,middle and upper atmospheres (co-organized), 10:30–17:00 in Room 15
	CL3.1 , Extreme Events and Impacts, 08:30–11:45 in Room 13
	CL4.3 , Mediterranean Climate: from past to future, 08:30–15:15 in Room 16
	GM4.3 , Sediment and carbon fluxes under human impact and climate changes (co-listed), 10:30–12:00 in Room 21
WE3 , 13:30–15:00	CL2.8/AS1.13/ST6.5 , Impact of solar and geomagnetic variabilities on the Earth's lower,middle and upper atmospheres (co-organized), 10:30–17:00 in Room 15
	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), 13:30–17:00 in Room 13
	CL4.3 , Mediterranean Climate: from past to future, 08:30–15:15 in Room 16
	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), 13:30–17:00 in Room 33
	IG5/CL5.8/SSP5.3 , Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized), 13:30–15:00 in Room 39
WE4 , 15:30–17:00	CL2.8/AS1.13/ST6.5 , Impact of solar and geomagnetic variabilities on the Earth's lower,middle and upper atmospheres (co-organized), 10:30–17:00 in Room 15
	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), 13:30–17:00 in Room 13
	CL5.7/AS4.22/BG6.4/GM2.6 , Instrumental monitoring of caves: the key to understanding anthropogenic impacts and climate-proxy relationships in speleothems (co-organized), 15:30–17:00 in Room 16
	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), 13:30–17:00 in Room 33
	NP2.4/CL5.5 , Climate Sensitivity (co-organized), 15:30–17:00 in Room 17
Thursday, 26 April	
TH1 , 08:30–10:00	AS4.5/BG2.17/CL2.6 , Vegetation-Atmosphere Interactions: From Emission to Atmospheric Particles and Climate (co-organized), 08:30–10:00 in

	Room 14 BG6.2 , Calcification in marine organisms: ocean-acidification and proxy-development studies (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-listed), 08:30–15:00 in Room 23 CL1.10 , Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), 08:30–12:00 in Room 16 CL2.3 , Urban climate, urban heat island and urban biometeorology, 08:30–10:00 in Room 13 CL2.7 , Earth radiation budget, radiative forcing and climate change, 08:30–12:00 in Room 15 OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12 SSP4.4 , Late Cretaceous – Early Paleogene climate dynamics and time scales (co-listed), 08:30–10:00 in Room 41
TH2 , 10:30–12:00	AS4.13/CL4.7 , Aeolian dust, initiator, player, and recorder of environmental change (co-organized), 10:30–17:00 in Room 11 BG6.2 , Calcification in marine organisms: ocean-acidification and proxy-development studies (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-listed), 08:30–15:00 in Room 23 CL1.10 , Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), 08:30–12:00 in Room 16 CL2.7 , Earth radiation budget, radiative forcing and climate change, 08:30–12:00 in Room 15 CL4.9/AS1.4 , Synoptic climatology – methods and applications (co-organized), 10:30–12:00 in Room 13 OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12 PSD10.11 , AS4.5/BG2.17/CL2.6 - Vegetation-Atmosphere Interactions: From Emission to Atmospheric Particles and Climate, 10:30–11:15 in Room SM2
TH3 , 13:30–15:00	AS4.13/CL4.7 , Aeolian dust, initiator, player, and recorder of environmental change (co-organized), 10:30–17:00 in Room 11 BG6.2 , Calcification in marine organisms: ocean-acidification and proxy-development studies (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-listed), 08:30–15:00 in Room 23 CL1.5 , Climate response to orbital forcing (including Milutin Milankovic Medal Lecture), 13:30–17:00 in Room 15 CL4.5/OS1.8 , Global and regional sea level rise and variability: from past to future (co-organized), 13:30–17:00 in Room 16 CL5.13 , Climate Services - Underpinning Science, 13:30–17:00 in Room 13 HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), 13:30–17:00 in Room 33 OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12 PSD9.8 , CL4.9/AS1.4 - Synoptic climatology methods and applications, 13:30–14:15 in Room 40
TH4 , 15:30–17:00	AS4.13/CL4.7 , Aeolian dust, initiator, player, and recorder of environmental change (co-organized), 10:30–17:00 in Room 11 BG6.3/CL5.14/SSP5.4 , Micropaleontology: a key to modern and ancient environments (co-organized), 15:30–17:00 in Room 23

	CL1.5 , Climate response to orbital forcing (including Milutin Milankovic Medal Lecture), 13:30–17:00 in Room 15
	CL4.5/OS1.8 , Global and regional sea level rise and variability: from past to future (co-organized), 13:30–17:00 in Room 16
	CL5.13 , Climate Services - Underpinning Science, 13:30–17:00 in Room 13
	HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), 13:30–17:00 in Room 33
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12
TH5 , 17:30–19:00	PSD9.6 , CL4.5/OS1.8 - Global and regional sea level rise and variability: from past to future, 17:30–18:15 in Room 35
Friday, 27 April	
FR1 , 08:30–10:00	BG6.3/CL5.14/SSP5.4 , Micropaleontology: a key to modern and ancient environments (co-organized), 15:30–17:00 in Room 23
	CL4.2/OS1.3 , Inter-Ocean Gateways: Past, Modern and Future Processes and Environments (co-organized), 08:30–12:00 in Room 16
	CL4.4 , Modern and Palaeomonsoon, 08:30–10:00 in Room 13
	CL5.10 , Regional Climate Modeling, projections and impacts (including CORDEX), 08:30–17:00 in Room 15
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	SSP4.3/CL1.4 , Cenozoic greenhouse climates and carbon cycle dynamics (co-organized), 08:30–10:00 in Room 41
FR2 , 10:30–12:00	CL1.3 , Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, 10:30–12:00 in Room 13
	CL4.2/OS1.3 , Inter-Ocean Gateways: Past, Modern and Future Processes and Environments (co-organized), 08:30–12:00 in Room 16
	CL5.10 , Regional Climate Modeling, projections and impacts (including CORDEX), 08:30–17:00 in Room 15
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	PSD20.6 , BG6.3/CL5.14/SSP5.4 - Micropaleontology: a key to modern and ancient environments, 11:30–12:15 in Room 40
FR3 , 13:30–15:00	CL2.2 , Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), 13:30–17:00 in Room 13
	CL4.6/AS1.15/OS1.7 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), 13:30–17:00 in Room 16
	CL5.10 , Regional Climate Modeling, projections and impacts (including CORDEX), 08:30–17:00 in Room 15
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS10.8/BG4.4 , Environmental and anthropogenic change affecting catchments and groundwater-dependent ecosystems (co-listed), 13:30–15:00 in Room 39
	OS2.2/EG3/CL2.12 , Advances in understanding of the multi-disciplinary dynamics of the Southern European Seas (Mediterranean and Black Sea) (co-organized), 13:30–17:00 in Room 5

	SSP4.6 , Phanerozoic marginal and terrestrial palaeoenvironments as archives of biotic and climatic change: records and proxy developments (co-listed), 13:30–15:00 in Room 41
FR4 , 15:30–17:00	CL2.2 , Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), 13:30–17:00 in Room 13
	CL4.6/AS1.15/OS1.7 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), 13:30–17:00 in Room 16
	CL4.8/BG2.22 , Climate Change: Carbon Cycle, Mortality, Growth, and Shift of Forests (co-organized), 15:30–17:15 in Room 19
	CL5.10 , Regional Climate Modeling, projections and impacts (including CORDEX), 08:30–17:00 in Room 15
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	OS2.2/EG3/CL2.12 , Advances in understanding of the multi-disciplinary dynamics of the Southern European Seas (Mediterranean and Black Sea) (co-organized), 13:30–17:00 in Room 5

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

Monday, 23 April

MOL , 12:15–13:15	PSD9.2 , CL1.1 - Progress in understanding Neoproterozoic pan-glaciations (potential Snowball Earth episodes) (posters only), 12:15–13:00 in Room 40
MO3 , 13:30–15:00	CL1.1 , Progress in understanding Neoproterozoic pan-glaciations (potential Snowball Earth episodes) (posters only), in Hall Z, Z1–Z13 Related: PSD9.2, see MOL
MO4 , 15:30–17:00	CL0 , Open Session on Climate: Past, Present and Future, in Hall Z, Z204–Z224 Related: PSD9.1, see MO5 CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, in Hall Z, Z67–Z84
MO5 , 17:30–19:00	AS1.10 , The global monsoon system: variability and dynamics (co-listed), in Hall X/Y, XY50–XY77 Related: PSD10.2, see MO2 AS1.14 , Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-listed), in Hall X/Y, XY78–XY94 CL1.2 , Modelling paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, in Hall Z, Z14–Z34 CL1.8 , Paleoenvironmental, tectonic and human evolution across the Levant-Anatolia Regions, in Hall Z, Z35–Z51 CL1.14 , Palaeoclimate records in lakes, in Hall Z, Z52–Z66 CL5.1/GM2.5 , Advances in Quaternary Geochronology (co-organized), in Hall Z, Z85–Z115 CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), in Hall Z, Z116–Z138 NP8.1/CL5.2 , Stochasticity and Statistical Physics in Climate Dynamics (co-organized), in Hall X/Y, XY365–XY376 SSP1.2 , Reef and carbonate platform response to sea-level and environmental changes (co-listed), in Hall A, A303–A310 SSP4.2 , Palaeoclimate records from speleothems: analytical techniques, proxies, and application (sponsored by IAS) (co-listed), in Hall A, A327–A346 Related: PSD15.3, see MO2
MO5 , 17:30–19:00	PSD9.1 , CL0 - Open Session on Climate: Past, Present and Future, 17:30–18:15 in Room 40

Tuesday, 24 April

TU2 , 10:30–12:00	CL2.1 , Arctic climate change: governing mechanisms and global implications, in Hall Z, Z61–Z74
TUL , 12:15–13:15	PSD19.1 , NH1.11/AS4.16/CL2.4 - Hazard Risk Management in Agriculture and Agroecosystems, 12:15–13:00 in Room 35
TU5 , 17:30–19:00	CL1.13 , Decadal to millennial scale climate variability of the late Quaternary, in Hall Z, Z1–Z30 CL1.16/AS4.1/BG2.12/IG15 , Biogeochemistry of Atmospheric Methane: Isotopes to Models (co-organized), in Hall Z, Z31–Z42 CL1.17/EG1 , Reconstructing the climate of the last two millennia (including Hans Oeschger Medal Lecture) (co-organized), in Hall Z, Z43–Z60

	CL2.5 , Climate and infectious disease interactions, in Hall Z, Z75–Z86
	CL5.4/NP4.5 , Climate Time Series Analysis (co-organized), in Hall Z, Z87–Z104
	CL5.11 , EuroFORUM 2012: Major achievements and perspectives in scientific ocean and continental drilling, in Hall Z, Z105–Z128
	CR1.40/CL2.11 , State of the cryosphere: observations and modelling (co-organized), in Hall XL, XL63–XL91
	GM9.2 , Glacial landforms and palaeoclimatic interpretation (co-listed), in Hall XL, XL276–XL298
	NH1.11/AS4.16/CL2.4 , Hazard Risk Management in Agriculture and Agroecosystems (co-organized), in Hall X/Y, XY178–XY202 Related: PSD19.1, see TUL
	NP2.4/CL5.5 , Climate Sensitivity (co-organized), in Hall X/Y, XY278–XY286
	SSP4.1 , Walking on sunshine - Was human migration affected by past climate changes? (co-listed), in Hall A, A388–A401
	SSS7.5 , Biochar for soil remediation and global warming mitigation (co-listed), in Hall X/Y, XY613–XY639
Wednesday, 25 April	
WE5 , 17:30–19:00	CL2.8/AS1.13/ST6.5 , Impact of solar and geomagnetic variabilities on the Earth's lower,middle and upper atmospheres (co-organized), in Hall Z, Z1–Z41
	CL3.1 , Extreme Events and Impacts, in Hall Z, Z42–Z73
	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), in Hall Z, Z74–Z105
	CL4.3 , Mediterranean Climate: from past to future, in Hall Z, Z106–Z135
	CL4.10 , Ice core science and paleo-climate – important for both the past and the future, in Hall Z, Z136–Z149
	CL5.7/AS4.22/BG6.4/GM2.6 , Instrumental monitoring of caves: the key to understanding anthropogenic impacts and climate-proxy relationships in speleothems (co-organized), in Hall Z, Z150–Z164
	GM4.2 , Organic matter export across landscapes: Understanding the rates and controls (co-listed), in Hall XL, XL128–XL142
	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions (co-listed), in Hall A, A73–A111
	IG5/CL5.8/SSP5.3 , Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized), in Hall A, A388–A409
	NP2.1 , ENSO: Dynamics, Predictability and Modelling (co-listed), in Hall X/Y, XY369–XY382
Thursday, 26 April	
TH2 , 10:30–12:00	AS4.5/BG2.17/CL2.6 , Vegetation-Atmosphere Interactions: From Emission to Atmospheric Particles and Climate (co-organized), in Hall X/Y, XY56–XY67 Related: PSD10.11, see TH2
	CL5.10 , Regional Climate Modeling, projections and impacts (including CORDEX), in Hall X/Y, XY247–XY309

	PSD10.11 , AS4.5/BG2.17/CL2.6 - Vegetation-Atmosphere Interactions: From Emission to Atmospheric Particles and Climate, 10:30–11:15 in Room SM2
TH3 , 13:30–15:00	PSD9.8 , CL4.9/AS1.4 - Synoptic climatology methods and applications, 13:30–14:15 in Room 40
TH5 , 17:30–19:00	AS4.13/CL4.7 , Aeolian dust, initiator, player, and recorder of environmental change (co-organized), in Hall X/Y , XY68–XY109
	BG6.2 , Calcification in marine organisms: ocean-acidification and proxy-development studies (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-listed), in Poster Area BG , BG35–BG50 Related: PSD20.5, see WE5
	CL1.5 , Climate response to orbital forcing (including Milutin Milankovic Medal Lecture), in Hall X/Y , XY110–XY125
	CL1.10 , Interglacial climate change - Learning from paleoclimate archives and models (co-sponsored by the IGBP project Past Global Changes (PAGES) and the FP7 project Past4Future), in Hall X/Y , XY126–XY144
	CL2.3 , Urban climate, urban heat island and urban biometeorology, in Hall X/Y , XY145–XY164
	CL2.7 , Earth radiation budget, radiative forcing and climate change, in Hall X/Y , XY165–XY196
	CL4.5/OS1.8 , Global and regional sea level rise and variability: from past to future (co-organized), in Hall X/Y , XY197–XY228 Related: PSD9.6, see TH5
	CL4.9/AS1.4 , Synoptic climatology – methods and applications (co-organized), in Hall X/Y , XY229–XY246 Related: PSD9.8, see TH3
	CL5.13 , Climate Services - Underpinning Science, in Hall X/Y , XY310–XY331
	CR10.10 , Ice-sheet and climate interactions (co-listed), in Hall X/Y , XY389–XY402
TH5 , 17:30–19:00	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), in Hall A , A104–A138
	HS7.3/CL2.9/NP1.3 , Climate, water and health (co-organized), in Hall A , A139–A151
TH5 , 17:30–19:00	PSD9.6 , CL4.5/OS1.8 - Global and regional sea level rise and variability: from past to future, 17:30–18:15 in Room 35
Friday, 27 April	
FR2 , 10:30–12:00	CL2.2 , Seasons and phenology: Evidence from observations, reconstructions, measurements and models (co-sponsored by USA-NPN, PAGES & ILEAPS), in Hall Z , Z18–Z29
	CL4.6/AS1.15/OS1.7 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), in Hall Z , Z81–Z108
	CL4.8/BG2.22 , Climate Change: Carbon Cycle, Mortality, Growth, and Shift of Forests (co-organized), in Hall Z , Z109–Z116
	HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), in Hall A , A191–A212
	HS10.8/BG4.4 , Environmental and anthropogenic change affecting catchments and groundwater-dependent ecosystems (co-listed), in Hall A , A296–A312
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), in Hall X/Y , XY311–XY350 Related: PSD7.16, see FR1

	OS2.2/EG3/CL2.12 , Advances in understanding of the multi-disciplinary dynamics of the Southern European Seas (Mediterranean and Black Sea) (co-organized), in Hall X/Y, XY365–XY391
	PSD20.6 , BG6.3/CL5.14/SSP5.4 - Micropaleontology: a key to modern and ancient environments, 11:30–12:15 in Room 40
FR3 , 13:30–15:00	CL1.3 , Polar continental margins and fjords - glacial and climatic evolution in the Cenozoic, in Hall Z, Z1–Z17
	CL4.2/OS1.3 , Inter-Ocean Gateways: Past, Modern and Future Processes and Environments (co-organized), in Hall Z, Z30–Z63
	CL4.4 , Modern and Palaeomonsoon, in Hall Z, Z64–Z80
FR4 , 15:30–17:00	BG6.3/CL5.14/SSP5.4 , Micropaleontology: a key to modern and ancient environments (co-organized), in Poster Area BG, BG68–BG89 Related: PSD20.6, see FR2
	SSP4.3/CL1.4 , Cenozoic greenhouse climates and carbon cycle dynamics (co-organized), in Hall A, A356–A366
	SSP4.4 , Late Cretaceous – Early Paleogene climate dynamics and time scales (co-listed), in Hall A, A367–A376
	SSP4.6 , Phanerozoic marginal and terrestrial palaeoenvironments as archives of biotic and climatic change: records and proxy developments (co-listed), in Hall A, A393–A409