PROGRAMME GROUP SCHEDULE

CL – CLIMATE: PAST, PRESENT, FUTURE

O: Oral Presentation (Lecture Room) / P: Poster Presentation (Poster Hall) TB: 1: 8:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00

Session	Title	TB	MO	TU	WE	TH	FR
CL0	Open Session on Climatology and	1					
	Palaeoclimatology (including Milutin Milankovic	2	O (13 (F1))		-		
		3	O (13 (F1))				
	Medal Lecture)	4 5	O (13 (F1))				
			P (XY)		0 (25)		
CL1	Organic Carbon-Rich Marine Sediments Past,	1			O (25)		
	Present and Future : Oceans and Climate Feedbacks	2			O (25)		
		3					
	(co-listed in BG & SSP)	4 5			D (JAD)		
					P(XY)		
CL2	Monthly, seasonal and decadal forecasting (co-listed in NP & AS)	1 2	0(14)		-		ł
			O (14) O (14)				
		3	0(14)				
		5	P (XY)				
at 1		1	$P(\Lambda I)$				
CL4	Assessment of climate events in lake sediments	2					0(14)
			1				O (14)
		3	<u>├</u>		-		P (XY)
		4 5	<u>├</u>		-		P(XY)
GD09	Ice-Mass Fluctuations and the Dynamical Responses of the Solid Earth (co-organized by G)	1 2	<u>↓ </u>		O (23)	1	
			ł – – ł		0 (23)	D(A)	
		3	+		+	P(A)	
		4 5	ł – – ł		-	P ()	
CL6	Past atmospheric circulation	1				0.44	
	1	2				O (14)	
		3					
		4					
		5				P(XY)	
CL8	Climate and ocean dynamics from high-resolution marine archives (co-listed in OS)	1				O (14)	
		2					
		3					
		4	ł – – ł		-	D (VV)	
						P(XY)	
CL10	Regional and Global Climate Impact of the Atlantic	1 2	<u>├</u>		-		ł
	Ocean Variability (co-listed in OS)						
	Securi Variability (constea in OS)	3			0 (20, 21))		
		4			O (20 (N))		
					P(XY)		
CL11	Monsoon climates - variability, changes and paleo-	1 2					
	perspectives						
	perspectives	3				0.44	
		4	ł – – ł		-	O (14)	
		5				P(XY)	0.(25)
CL12/	Mediterranean Climate Variability / Black Sea-	1					O (25)
CL41	Mediterranean Corridor during last 30 ky: Sea level	2					O (25)
CLII	change and human adaptation	3					O (25)
		4					P(XY)
		5			0.41		
CL13/	Large-scale climate modes in the Northern	1	<u> </u>		O (14)		<u> </u>
CL39	Hemisphere / Atmospheric teleconnections	2	<u> </u>		O (14)		<u> </u>
		3			+		
		4	<u> </u>		D (372)		<u> </u>
		5			P(XY)		
CL15	Physical and Biogeochemical feedbacks in the	1			+		D GAL
	Climate System (co-listed in BG)	2	├ ───┤		+		P(XY)
	Chinate System (co noted in DO)	3	├ ───┤		+		O (14)
		4	↓ ↓		+		O (14)
		5					L
CL16/	East African geodynamics, climate and evolution	1	├ ───┤		+		
GD14	(co-organized with GD) (co-listed in TS & SSP)	2	↓				
0014	(00-01gamzeu with OD) (00-11steu m 15 & SSP)	3	↓		O (14)		
		4 5			O (14) P (XY)		ļ

Session	Title	TB	MO	TU	WE	TH	FR
CL17	Observing climate change and variability from	1					
	space: achievements and challenges	2				P(XY)	
	spacer action contents and chantenges	4				P (X1) O (13 (F1))	
		5				O (13 (F1))	
CL18	Anthropogenic climate changes: forcing,	1				O (13 (F1))	
0210	modelling, detection and impact (co-listed in	2				O (13 (F1))	
		3				O (13 (F1))	
	ERE)	5				P (XY)	
CL19/	Climatic Extremes and their Impacts (co-listed	1				- ()	O (13 (F1))
		2					O (13 (F1))
CL14	in HS & ERE) / Mid-latitude cyclones:	3					O (13 (F1))
	processes, variability, changes and impacts	4					P(XY)
CI 20		5			1		
CL20	Probabilistic Forecasts of Climate and the	2					
	Potential Impacts of Climate Change (co-	3					
	listed in NP & ERE)	4	O (14)				
		5	P(XY)				
CL21	Generality of Climate Models and their	1 2	-		-		
	Components (co-listed in AS & NP)	3		O (14)			
		4		0 (11)			
		5		P(XY)			
CL22/	Land-atmosphere coupling in past, present and	1					
CL35	future climate (co-listed in AS, BG & HS) /	2					
CL35		3		O (25)			
	Subsurface temperature signals of climate	4 5		O (25) P (XY)			
	change, processes involved, and importance to	3		r (A1)			
	climate modeling						
CL23	Surface Radiation Budget, Radiative Forcings	1		O (14)			
	and Climate Change (co-listed in AS)	2		O (14)			
	and Chinate Change (co-fisted in AS)	3					
		4		P (XY)			
CL24		5		P(AI)	1		
CL24	Modelling the Climates of the Late Quaternary	2					
		3	O (25)				
		4	O (25)				
		5	P(XY)				
CL25	EPICA-MIS: EPICA ice cores, marine	1			O (13 (F1))		
	counterparts, and Quaternary Earth System	2 3			O (13 (F1)) O (13 (F1))		
	Dynamics (co-listed in CR)	4			0 (15 (11))		
	D y mannes (co instea in city)	5			P(XY)		
CL26	Past, Present and Future Changes in Ocean	1					
0220	Circulation: Data and Models (co-listed in	2					
		3		O (13 (F1))			
	OS)	4 5		P (XY)			
CL27	Decadal to millennial marine records of ice	1		1 (21)			
CL27		2					
	sheet decay	3					
		4					
		5		0 (12 (51))			
CL28	Climate of the last millennium:	1 2	-	O (13 (F1)) O (13 (F1))			-
	reconstructions, analyses and explanation of	3		O (13 (F1))			-
	regional and seasonal changes (including	4		- (12 (1 1))			
	Hans Oeschger Medal Lecture)	5		P(XY)			
CT AG		1	O (13 (F1))				
CL29/	Millennial-scale variability / Solar forcing of	2	0 (13 (F1))				
CL46	climate	3		1			
		4					
		5	P(XY)				
CL30/	(Sub)Arctic Ocean circulation and climate	1				<u> </u>	
CL3	change - natural and anthropogenic forcing	2					P (VV)
	(co-listed in OS)	3					P (XY) O (13 (F1))P ()
		5					5 (15 (11))F ()
CL31	Antarctic cryosphere and Southern Ocean	1					
CLJI		2		O (25)			
	climate evolution (Cenozoic-Holocene)	3					
		4		D GUT			
		5	1	P (XY)	1	•	

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$ \begin{array}{c cccc} CL3e & CM & High-resolution radiocarbon chronologies - \\ methods and applications \\ \hline CL3d & Acolian dust as a player and recorder of environmental change (co-listed in GM & SSP, co-sponsored by IAS) \\ \hline CL36 & Marine and terrestrial paleoclimate records - recent advances in IODP and ICDP \\ \hline CL38 & Co-organized by GI, co-listed in AS, HS & OS) \\ \hline CL40 & Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, SS & NP) \\ \hline CL38 & Closing the gap between geological data and numerical modelling / Oxygen-18 in climate models, CL39 & Closing the gap between geological data and numerical modelling / oxygen-18 in climate models, co-organized by GL, co-isted in AS, OS & NP) \\ \hline TL32 & Closing the gap between geological data and numerical modelling / oxygen-18 in climate models, co-organized by CL; co-sponsored by IAS) \\ \hline SSP14' & Palaeoceanographic and palaeochar (co-organized by CL; co-sponsored by IAS) \\ \hline SSP16' & Climate cvents recorded in GM expression (co-organized by CL) (co-listed in IG) \\ \hline TL32 & Devents recorded in geleotherms (co-organized by CL) (co-listed in IG) \\ \hline TL32 & Devents recorded in geleotherms (co-organized by CL) (co-listed in IG) \\ \hline TL32 & Devents recorded in geleotherms (co-organized by CL) (co-listed in IG) \\ \hline TL32 & Devents recorded in geleotherms (co-clisted in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in geleotherms (co-clisted in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in geleotherms (co-listed in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in agree for the climate (co-listed in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in agree for the climate (co-listed in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in agree for the climate (co-listed in AS, BG, CL & OS) \\ \hline TL32 & Devents recorded in agree for the climate (co-listed in AS, CL, OS, PS & ST) \\ \hline TL32 & Devents recorded in CR & CL) \\ \hline TL32 & Devents recorded in CR & CL) \\ \hline TL32 & Devents recorded in CR & CL) \\ \hline TL32 & Devents recorded in CR & CL) \\ \hline TL32 $	CL32/	Applied Quaternary Geochronology (co-listed in						
methods and applicationsiiiiCL34Acolian dust as a player and recorder of exponsored by IAS)iiiiCL36Marine and terrestrial paleoclimate records - recent advances in IODP and ICDPiiiiCL36Marine and terrestrial paleoclimate records - recent advances in IODP and ICDPiiiiiCL38Farth System Modelling: Strategies and Software (co-organized by GI, co-listed in AS, HS & OS)iiiiiCL40Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, OS & NP)iiiiiSSP8/ CL33closing the gap between geological data and modeling: of wygen-18 in climate models, sedimentological, palaeoclimatic change duing the Palaeoci. sedimentological, palaeoclimatic change duing the Palaeoci. sedimentological, palaeochemical and modeling perspectives (co-organized by CL; co- sponsored by LA)iiiiSSP16/ CL44Climate events recorded in Spleothems (co- listed in AS, BG, CL & OS)iiiiiNP3.02Scale, Scaling, nonlinear variability and turbulent structures in occuan and Metiorological hazards produced by extreme weather and climate change (co-listed in CL)iiiiG110Informatics, distributed information systems - technology and aplications (co-listed in CL)iiiiSPP9Ordovician glaciations (co-listed in CR, CL, OS, PS, ST, SM, technology and aplications (co-listed in CR, CL, OS, OS, SS, ST, SM, <br< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></br<>								
$ \begin{array}{c c} CL34 \\ Acolian dust as a player and recorder of environmental change (co-listed in GM & SSP, co-sponsored by IAS) \\ \hline CL36 \\ Marine and terrestrial paleoclimate records - recent advances in IODP and ICDP \\ \hline a \\ a \\$								1 (A1)
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$ \begin{array}{c cl} CL30 \\ CL30 \\ CL30 \\ CL30 \\ CL30 \\ CL30 \\ CL32 \\ CL32 \\ CL32 \\ CL32 \\ CL40 \\ Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, HS & OS) \\ \hline \hline \\ \hline $					0.00		P(XY)	
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$ \begin{array}{c} CL30 \\ Gill2 \\ Go-organized by GI, co-listed in AS, HS & OS) \\ \hline a \\ CL40 \\ Climate Models Intercomparison: Dynamics and \\ Physical Processes (co-listed in AS, OS & NP) \\ \hline a \\ CL30 \\ CL31 \\ numerical modelling / Oxygen-18 in climate models, \\ \hline a \\ O(25) \\ \hline a \\ \hline a \\ \hline a \\ O(25) \\ \hline a \\ \hline a \\ \hline a \\ O(25) \\ \hline a \\ \hline a \\ \hline a \\ O(25) \\ \hline a \\ \hline a \\ \hline a \\ O(25) \\ \hline a \\ a \\$	CI 29/	Forth Soutons Madelling, Studtonics and Softenand			P(XY)			
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SP(XY)CI.40Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, OS & NP)SSP8/ Closing the gap between geological data and numerical modelling / Oxygen-18 in climate models. observations and palaeo-data (co-organized by CL)0.030CL33observations and palaeo-data (co-organized by CL)40.030SSP14/ Cl.44Palaeoceanographic and palaeoclimatic change uring the Palaeozoic, Mesozoic and Cenozoic: sedimentological, palaeontological, geochemical and modelling perspectives (co-organized by CL; co- sponsored by IAS)10.020SSP16/ CL45Climate events recorded in speleothems (co- organized by CL) (co-listed in IG)10.020NP3.02 Scale, Scaling, nonlinear variability and turbulent structures in oceans, atmosphere and the climate (co- listed in AS, BG, CL & OS)10.020NP4.02Statistical analysis of paleoclimate time series (co- listed in CL)5P(XY)0.020NP4.02Statistical analysis of paleoclimate time series (co- listed in CL)5P(XY)0.020GI10Informatics: distributed information systems - technological and hydrological Instruments (co-listed in CR & CL)5P(XY)0.020GI10Informatics: distributed information systems - technology and applications (co-listed in AS, CL, G, CR, GD, GM, GMPV, HS, MPRG, OS, PS, ST, SM, Technology and applications (co-listed in AS, CL, G, CR, GD, GM, GMPV, HS, MPRG, OS, PS, ST, SM, Technology and applications (co-listed in AS, CL, G, CR, GD, GM, GMPV, HS, MPRG, OS, PS, ST, SM, Technology and applications (co-listed in	GH2	(co-organized by GI, co-listed in AS, HS & US)						
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Physical Processes (co-listed in AS, OS & NP) $2 \\ 3 \\ 3 \\ 4 \\ 4 \\ 4 \\ 6 \\ 7 \\ 8 \\ 7 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	CI 40	Climate Models Intercomparison: Dynamics and		O (25)	1 (A1)			
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$ \begin{array}{c c} \text{Cl.43} \\ \text{CL.33} \\ \text{observations and palaeo-data (co-organized by CL)} \\ \text{SSP14} \\ \text{CL44} \\ \text{Palaeoceanographic and palaeoclimatic change} \\ \text{during the Palaeozoic, Mesozoic and Cenozoic;} \\ \text{sedimentological, palaeontological, ecochemical and modelling / CSP \\ \text{sponsored by IAS} \\ \text{SSP16} \\ \text{CL45} \\ \hline \text{SSP16} \\ \text{CL45} \\ \hline \text{Climate events recorded in speleothems (co-organized by CL; co-sponsored by IAS) \\ \text{SSP16} \\ \text{CL45} \\ \hline \text{SSP16} \\ \text{Climate events recorded in speleothems (co-organized by CL; co-isponsored by IAS) \\ \text{SSP16} \\ \text{CL45} \\ \hline \text{SSP16} \\ \text{Climate events recorded in speleothems (co-organized by CL) (co-listed in IG) \\ \hline \text{SSP10} \\ \text{SSP16} \\ \text{CL45} \\ \hline \text{Scale, Scaling, nonlinear variability and turbulent structures in oceans, atmosphere and the climate (co-listed in SA, GG, CL & OS) \\ \hline \text{NP4.02} \\ \hline \text{Statistical analysis of paleoclimate time series (co-listed in CL) \\ \hline \text{SSP9} \\ \hline \text{NP4.02} \\ \hline \text{Statistical analysis of paleoclimate time series (co-listed in CL) \\ \hline \text{SSP9} \\ \hline \text{Ordovician glaciations (co-listed in CR & CL) \\ \hline \text{SSP9} \\ \hline \text{Ordovician glaciations (co-listed in CR & CL) \\ \hline \text{GI10} \\ \hline \text{Informatics: distributed information systems - technology and applications (co-listed in AS, CL, G, CR, GD, GM, GMPV, HS, MPRG, OS, PS, ST, SM, TS, SSP, SSS & NH) \\ \hline \text{GM16} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP9} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP} \\ \hline \text{Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP} \\ \hline Cold regions geomorphology: linking high- and mid-latitudes (co-listed in CL & CR) \\ \hline \text{SSP$				P(XY)				
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CR40 Cli rela CR70 Snd ove CL CR120 Ob (co CL CR120 Ob (co CL CR130 Gla An in 0 CL CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 Pal	NH) Climate change impacts on glaciers, permafrost and related hazards (co-listed in NH & CL) Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	$ \begin{array}{r} 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 1 \\ 2 \\ 3 \\ 4 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	O (6 (K)) O (6 (K))	O (29)			
CR40 Cli rela CR70 Sno ove CL CR120 Ob (co CR120 Gla An in C CR130 Gla An in C CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 Pal	Climate change impacts on glaciers, permafrost and related hazards (co-listed in NH & CL) Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	$ \begin{array}{r} 3 \\ 4 \\ $	O (6 (K)) O (6 (K))				
CR70 Snd ove CL CR120 Ob (co CR130 Gla An in 0 CR130 Gla An in 0 CL7 An in 2 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	related hazards (co-listed in NH & CL) Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	5 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 4	O (6 (K))				
CR70 Sno ove CL CR120 Ob (co CR130 Gla An in 0 CL7 An in 2 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	related hazards (co-listed in NH & CL) Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	1 2 3 4 5 1 2 3 4 5 1 2 3 4	O (6 (K))				
CR70 Sno ove CL CR120 Ob (co CR130 Gla An in 0 CL7 An in 2 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	related hazards (co-listed in NH & CL) Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	2 3 4 5 1 2 3 4 5 1 2 3 4	O (6 (K))				
CR70 Sno ove CL CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	Snow dynamics and snow-atmosphere exchange over Greenland and Antarctica (co-listed in AS & CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	$ \begin{array}{r} 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 4 \\ \end{array} $	P (A)				
CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	Dever Greenland and Antarctica (co-listed in AS & CL) Deservations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	5 1 2 3 4 5 1 2 3 4 5 4 3 4 4 4				ļ [
CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	Dever Greenland and Antarctica (co-listed in AS & CL) Deservations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	$ \begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \end{array} $					
CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	Dever Greenland and Antarctica (co-listed in AS & CL) Deservations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	$\begin{array}{r} 3\\ 4\\ 5\\ 1\\ 2\\ 3\\ 4 \end{array}$					
CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	CL) Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	4 5 1 2 3 4					
CR120 Ob (co CR130 Gla An in 0 CL7 An in 4 CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oc	Observations of glaciers and ice sheets from space (co-listed in G & CL) Glaciology, climate, and oceanography of the	5 1 2 3 4			O (26)		
CR130 Gla An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	co-listed in G & CL) Glaciology, climate, and oceanography of the	1 2 3 4			P (A)		
CR130 Gla An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	co-listed in G & CL) Glaciology, climate, and oceanography of the	3 4			1 (A)		
CR130 Gla An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oce	Glaciology, climate, and oceanography of the	4				O (4 (H))	
An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal							
An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal						P (A)	
An in C CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal		1				1 (11)	
CL7 An in A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal	Anteretic Reningula and the sub Anteretic (co listed	2					
CR140 Ice CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ Em BG11/ Me CL47 pal	Antarctic Peninsula and the sub-Antarctic (co-listed	3			0 (20)	┝─────	
In A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oce	in CL & HS)	5			O (29) P (A)		
In A CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oce	Antarctica and the Global Climate System (co-listed	1			- ()		
CR140 Ice OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oce	n AS, CR & OS)	2					
OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct	II AS, CK & OS)	3			O (13 (F1))		
OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct		5			P (XY)		
OS7 Hig list OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct	ce sheet - climate interactions (co-listed in CL)	1				O (4 (H))	
OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct		2					
OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct		3					
OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct		5				P (A)	
OS12 Sea CL SSP17/ En BG11/ Me CL47 pal OS3 Oct	High latitude changes in ocean, ice and climate (co-	1		O (D)			
OS12 Sea CL SSP17/ Em BG11/ Me CL47 pal OS3 Oct	isted in CR & CL)	2		O (D)			
SSP17/ Em BG11/ Me CL47 pal OS3 Oct		3 4					
SSP17/ Em BG11/ Me CL47 pal OS3 Oct		5	P(XY)				
SSP17/ Em BG11/ Me CL47 pal OS3 Oct	Sea Level: Changes and their Causes (co-listed in	1					
SSP17/ Em BG11/ Me CL47 pal OS3 Oct	CL & CR)	2 3				-	
BG11/ Me CL47 pal		4					
BG11/ Me CL47 pal		5					
BG11/ Me CL47 pal OS3 Oct	Environmental perturbations during the Palaeozoic-	1					
CL47 pal OS3 Oc	Mesozoic interval: Organic geochemical and	2 3				O (32)	
OS3 Oc	palynological proxies (co-organized by BG & CL)	4				0 (32)	
		5				P (A)	
in 1	Ocean Tracers and Anthropogenic CO2 (co-listed in BG & CL)	1 2				O (D)	
		3				O (D)	
	n BG & CL)	4					·
	п ВӨ & CL)	5	P(XY)				
		1 2				├────╂	
BC	MBER/SOLAS Special Session (co-listed in AS,	3					O (D)
		4					0 (D)
	MBER/SOLAS Special Session (co-listed in AS,	5	0 (22)		P(XY)	┝━━━━╇	
SSS2 Soi	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP)		O (33)			┝─────╊	
	MBER/SOLAS Special Session (co-listed in AS,	1 2					
	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP)	1 2 3					
	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP)	2 3 4				┝─────┡	
	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP) Soil as a record of the past	2 3 4 5	P (A)			<u>├</u>	
ma	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP) Soil as a record of the past Paleomagnetism, Climate and Environmental	2 3 4 5 1	P (A)	P (A)	1	└──── ↓	
	MBER/SOLAS Special Session (co-listed in AS, BG, CL & NP) Soil as a record of the past	2 3 4 5	P (A)	P (A)			

Session	Title	TB	MO	TU	WE	TH	FR
HS29	Objective and process-based catchment	1				0 (31)	
	classification as a tool for predictions in ungauged	2				O (31) P (A)	
	basins	4				1 (A)	
	ousins	5					
HS32	Climate-soil and vegetation interactions in	1					O (28 (B))
	ecological-hydrological processes (co-listed in AS,	2					O (28 (B))
	CL, NP & SSS)	3					P (A)
	CL, NF & 555)	5					
HS36	Hydrological extremes: controls, spatial & temporal	1					
11650	variability and regional patterns	2					P (A)
	variability and regional patients	3				O (30 (C))	
		4				O (30 (C))	
OS1	Open session on large scale ocean circulation	1	O (D)				
		2	O (D)				
	variability (co-listed CL, BG) (including Fridjof	3	O (D)				
	Nansen Medal Lecture)	4	O (D)				
0011		5	P (XY)				
OS11	Temporal variability of ocean temperature (heat	2					
	content) and salinity (freshwater content). (co-listed	3					
	CL)	4			O (D)		
		5			P(XY)		
HS25	Lakes and inland seas under anthropogenic impact	1				O (30 (C))	
	and climate change (co-listed in CL & ERE)	2				O (30 (C))	
		3 4				P (A)	
		5					
GM9	Monitoring and modelling in periglacial and glacial	1					
UNI)		2					
	geomorphology (co-listed in CR & CL)	3				O (17 (M))	
		4				O (17 (M)) P (XY)	
C) (17		1				O (17 (M))	
GM15	Deep Alpine Valleys: recording the topographic,	2				O (17 (M))	
	climatic and tectonic evolution of mountain belts (co-listed in CL)	3					
		4					
		5				P(XY)	
BG6.04	Methane fluxes on continental margins: ecosystems,	1 2				O (19) O (19)	
	drivers and controls (co-listed in CL)	3				O (19) O (19)	
		4				P (BG)	
		5					
GM2	Aeolian Processes and Landforms (co-listed in CL)	1					
-		2					
		3			O (17 (M))	1	
		5		1	P (XY)	1	
HS41	Statistical concepts in understanding and modelling	1				1	
11541		2					
	hydro-climatic change (co-listed in NP, CL and AS)	3					O (31)
		4					P (A)
		5					
BG5.02	ABC of biomarkers in biogeosciences: Abundance,	2		1		1	
	Biosynthesis, and isotopic Composition (co-listed in IG & CL)	3					
		4					
		5					
US4	Toward a model/data synergy for understanding	1		O (4 (H))			
	large changes in Earth Climate History: From the	2 3		O (4 (H)) O (4 (H))			
	First Glaciation of the Earth to the Quaternary	4		O (4 (H))			
	(abstract submission by invitation only) (co-listed in	5		O (4 (H))			
	CL)					0.000	
BG5.01/	Calibration and validation of marine and terrestrial	1 2				O (20 (N))	
CL48	proxies: from empiricism towards a mechanistic	3					
	understanding (co-organized by CL) (co-listed in	4		1		P (BG)	
	SSP)	5					
		1			0.(2)		D (VV)
mart	Processes of rifting, sediment transport, fluid flow	1		+	O (3) O (3)	ł	P (XY)
TS5.2/		2					
TS5.2/ SSP24	and biogenic activity: EUROMARGINS open	2 3			0(3)		
					0(3)		

Session	Title	TB	MO	TU	WE	TH	FR
BG5.09/	Climate variability and the carbon cycle (past,	1					
CL49	present and future): The EuroCLIMATE Programme	2 3			P (BG) O (25)		
	on multi-proxy reconstructions and coupled climate	4			O (25)		
	models at European and regional scales (co-	5			O (25)		
	organized by CL) (co-listed in CR & SSP)						
	(including Outstanding Y						
AS1.14	African Monsoon Multidisciplinary Analysis	1					O (10 (E1))
	(AMMA) (co-listed in OS, BG, CL & SSS)	2 3				P (XY)	O (10 (E1)) O (10 (E1))
		4				P ()	O (10 (E1))
		5					
BG5.05	Environmental Micropaleontology: microfossils as	1 2				P (BG)	
	proxies of recent and past environmental change	3				O (20 (N))	
	(co-listed in CL)	4				O (20 (N))	
BG5.08	Natural and anthronogonic anvironmental abanga as	5					
BG3.08	Natural and anthropogenic environmental change as	2	P (BG)				
	evidenced in high-resolution continental archives	3 4	O (20 (N))				
	(co-listed in CL)	4	O (20 (N))				
BG6.03	Ecosystems of the deep sea-floor and their	1					
	geological drivers (co-listed in SSP, OS & CL)	2		P (BG)			
		4				O (19)	
		5					
ERE5	Climate change impact on economical and industrial	1 2					
	activities (co-listed in CL)	3				P(XY)	
		4 5			O (2)		
ERE6	Integrated assessment of energy options and risk assessment methodologies (co-listed in CL)	5					
EKEU		2					
		3 4				P(XY)	
		5			O (2)		
SSP12/	New proxies in sedimentary geochemistry (co- organized by BG, co-listed in IG & CL)	1				0 (00 07)	
BG9		2 3				O (20 (N)) P (A)	
		4					
GGDQ1		5				O (32)	
SSP21	Reconstructing the Cretaceous World: Integration of	2				O (32)	
	data from the Boreal, Tethys, deep sea and the	3					
	continents (co-listed in CL)	4 5				P (A)	
GM11	Mechanisms of coupling and feedback between	1		O (17 (M))		- (-)	
GMIII	tectonics, climate and surface processes (co-listed in	2		O (17 (M))			
	GD & CL)	<u>3</u> 4		O (17 (M)) O (17 (M))			
	,	5		P (XY)			
GM17	Quaternary Landscape Evolution and Paleo-	1 2				O (7)	
	Geoecology (co-listed in CL)	3				0(1)	
		4				_	
GM19	Quantificing and modelling human and alimete	5				P(XY)	
GM19	Quantifying and modelling human and climate controlled sediment dynamics (co-listed in CL)	2					
		3 4				O (7) O (7)	
		5				P (XY)	
HS38	Anthropogenic impacts on transitional environments	1					
	(co-listed in CL & ERE)	2 3					
		4					
		5					
NP2.01	ENSO: dynamics, predictability and response to	1 2					
	climate change (co-listed in CL & OS)	3	O (3)	P(XY)			
		4	O (3)				
NP2.03	Nonlinear low-frequency variability in atmosphere,	5	l	l		l	l
111 2.00		2					
	$1 \alpha cean and the chimate evenem i.c. \alpha cientin i = x^{2} + e^{-1}$						
	ocean and the climate system (co-listed in CL & OS)	3 4		P(XY)			

Session	Title	TB	MO	TU	WE	ТН	FR
NP4.03	Simple dynamical models from data: a tool for	1					
	parametrizations and diagnostics (co-listed in CL)	3		P (XY)			
		4			O (22)		
		5					