USSP 2019 Session Schedule

	Tuesday 9 July	Wednesday 10 July	Thursday 11 July	Friday 12 July	Saturday 13 July	Sunday 14 July	Monday 15 July	Tuesday 16 July	Wednesday 17 July
8:30-9:00	**Welcome**	**Introduction**	**Review**	**Review**	**Review**				**Review**
AM 1 9:00-10:20		Overview of the Climate System ***Pasquero***	Age Models: Biomagneto-stratigraphy [including practicum] ***Batenburg/Sluijs***	Trends, Rythms and Aberrations in the climate system (mainly O-isotopes evidence) ***Zachos***	Proxy Carriers: Plankton ***Coxall***	Field Excursion (all instructors available)	Trace Elements (Mg/Ca, B/Ca..) ***Reichart/Coxall***	Biomarker Proxies ***Pancost***	Free Day
AM 2 10:50-12:10		Overview of Paleoclimate Archives & Proxies ***Paytan***	Astronomical Theory ***Batenburg***	Inorganic Carbon Cycle (system and indicators) ***Dickens/Greene***	Proxy Carriers: Benthos ***Thomas***		Bulk Sediment (Clays, Barite) ***Reichart***	Climate Models 1 ***Valdes***	
PM 1 13:40-15:00	Arrival and Registration	Corals, speleothems, lakes and other high resolution archives ***Cobb***	Age Models: Cyclostratgraphy ***Batenburg***	The Organic Carbon Cycle (systems and indicators) ***Dickens/Greene***	Proxy Carriers: Terrestrial ***Snell***		Field Analysis: Discussion and Preparation ***Batenburg/Lourens***	Climate Models 2 ***Valdes***	
PM 2 15:30-16:50	Arrival and Registration	Stable Isotopes (C, O): a primer ***Zachos***	Practicum - Cyclostratigraphy and introduction to R ***Batenburg***	The Global Carbon Cycle as a coupled system ***Dickens/Greene***	**Review** Preparation for field project: Data analysis and R *Batenburg/Lourens*		Parallel Sessions (methods) ***Instructors***	Field Group Presentations *Batenburg/Lourens*	
Evening Program	PIZZA PARTY. Introduction and Welcome. Social Networking		POSTER SESSION A-M		POSTER SESSION M-Z		Groups to work on Field data and presentations)		POSTER SESSION POSTER SESSION

Evening Program	Thursday 18 July	Friday 19 July	Saturday 20 July	Sunday 21July	Monday 22 July	Tuesday 23 July	Wednesday 24 July	Thursday 25 July	Friday 26 July
8:30-9:00	**Review**	**Review**			**Review**	**Review**	**Review**	**Review**	**Review**
AM 1 9:00-10:20	Deep Time Archean ***Stueeken***	Early Paleogene Hothouse and hyperthermals ***Sluijs***	Cioppino Conference and World Famous USSP Banquet and Dinner	Free Day	Mio-Pliocene global climates ***TBD***	Glacial-Interglacial Case Study: Reconstruction ***Rohling***	Cryosphere Dynamics and Sea Level I ***Deconto***	Integration Archives, Proxies and Modeling ***Group Work***	Past to Future II: Cryosphere Modeling ***DeConto***
AM 2 10:50-12:10	Mesozoic - Cretaceous P-T ***Whiteside***	Modeling transient carbon cycle perturbations ***Zebbe***			Modeling Mio-Pliocene climates ***Fox***	Glacial-Interglacial Case Study: Modeling ***DeConto***	Cryosphere Dynamics and Sea Level II ***Vermeersen***	Integration Archives, Proxies and Modeling ***Group Work***	Past to Future III: Tippings Points and Critical Transitions ***Skinner***
PM 1 13:40-15:00	Mesozoic - Cretaceous hothouse and OAEs ***Jenkyns***	Paleogene Climate Dynamics (Indicators of Ice) ***Lear***			Mio-Pliocene Climate Dynamics (Indicators of Ice) ***Bijl***	Biogeochemical Cycles ***Paytan***	Carbon Cycle Case Study ***Ridgwell - Honisch***	Past to Future I: Climate Sensitivity ***Rohling***	Past to Future IV: Future Scenarios ***DeConto***
PM 2 15:30-16:50	Modeling greenhouse climates ***Caballero***	Modeling Cenozoic Climate Dynamics ***Caballero***			Parallel Sessions (time intervals) ***Instructors***	Integration of Archives and Proxies ***Honisch***	Modeling Practical ***Ridgwell***	Worshop - Proposal & manuscripts writing *Paytan*	Workshop Future Challenges in Paleo *Panel*
Evening Program	Professional Development ***Communication***					Integration Archives, Proxies and Modeling ***Ridgewell-Paytan***	Professional Development ***Culture and Science***		