

EUROSOIL 2012 Scientific Session Planning										
SPACE 7										
OPENING CEREMONY - WELCOMING ADDRESSES										
3 PLENARY LECTURES, SPARKS D.L., HORN R., MONTANARELLA L.										
MONDAY 2	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
08.30-10.00	I	S03.01a	S10.01a	W12.01a	S11.01a	S07.05	S06.02			
10.30-12.00	II	S03.01b	S10.01b	W12.01b	S11.01b	S04.04	S11.08			
13.30-15.00	III	S03.01c	S10.01c	S12.04-P	S11.01-P	S11.08-P	S11.04-P			
17.00-18.30	IV	S03.01-P	S10.01-P	S13.05-P	W12.01-P	S04.04-P	S07.04-P			
18.30-20.00	POSTER PRESENTATIONS	S03.01-P	S10.01-P	S13.05-P	W12.01-P	S04.04-P	S07.04-P			
TUESDAY 3	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
08.30-10.00	I	S03.01c	S10.01c	S06.04	S10.03a	S06.01a	S07.02			
10.30-12.00	II	S12.07a	S05.01a	S03.02a	S10.03b	S06.01b	S06.03			
13.30-15.00	III	S12.07b	S05.01b	S03.02b	S10.03c	S02.04	W06.01a			
15.30-17.00	IV	S12.07c	S05.01c	S03.02c	S13.02	W11.01	W06.01b			
17.00-18.30	POSTER PRESENTATIONS	S12.07-P	S05.01-P	S03.02-P	S10.03-P	S13.02-P	W06.01-P			
18.30-20.00	SPECIAL EVENTS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
		BM01	BM01	BM01	BM01	R01	R01			
WEDNESDAY 4	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
08.30-10.00	I	S07.04	S06.01a	S06.02a	S01.01a	S04.05a	S03.03			
10.30-12.00	II	S11.02a	S06.01b	S06.02b	S01.01b	S04.05b	W11.04-P			
13.30-15.00	III	S11.02b	S06.01c	S01.04	S02.05a	S04.06	S11.05			
15.30-17.00	IV	S11.02c	S12.02	S11.07	S02.05b	W05.01	S11.06			
17.00-18.30	POSTER PRESENTATIONS	W05.01-P	S01.01-P	S01.04-P	S11.07-P	S11.05-P	S11.06-P			
18.30-20.00	SPECIAL EVENTS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
		BM07	BM01	BM01	BM01	R02	R03			
THURSDAY 5	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
08.30-10.00	I	S02.02	S02.03	S11.09a	S07.03a	S11.04	S08.04a			
10.30-12.00	II	S05.03a	S04.01a	S11.09b	S07.03b	S04.07	S08.04b			
13.30-15.00	III	S05.03b	S04.01b	S07.01a	S08.02	S02.01	S01.02			
15.30-17.00	IV	S05.03c	S04.01c	S07.01b	S08.01	S01.03	S08.02			
17.00-18.30	POSTER PRESENTATIONS	S02.02-P	S11.09-P	S07.01-P	S08.02-P	S08.04-P	S05.02-P			
18.30-20.00	SPECIAL EVENTS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
		BM05	BM02	BM02	BM02	OD01	OD01			
FRIDAY 6	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO	ALLORO	MIRTO			
08.30-10.00	I	S04.02a	S12.01	S07.06a	S13.04	S04.03	S13.01a			
10.30-12.00	II	S04.02b	S07.07a	S07.06b	S12.05a	S13.01b	S13.03			
13.30-15.00	III	S11.03a	S07.07b	S12.04a	S12.05b	S12.03	S13.05			
15.30-17.00	IV	S11.03b	S07.07c	S12.04b	S08.03	S12.05	S13.05			
17.00-18.30	POSTER PRESENTATIONS	S11.03-P	S12.05-P	S12.06-P	S12.03-P	S13.03-P	S08.03-P			
18.30-19.00		S07.07-P	S13.04-P	S04.02-P	S04.02-P	S07.06-P				
CLOSING REMARKS										

For the research of any other title, session or author, You can use the **ACROBAT RESEARCH FUNCTIONS**.

By clicking the index warhead of the Session You can go back to the general index.

By clicking one of the Sessions included in the Planning You can find the relative index of all the abstracts.



S01.01a - SOILS AND SEDIMENTS AS NATURAL ARCHIVES

Chair Persons:
Daniela Sauer, Hohenheim - Germany
Alexander Makeev, Moscow - Russian Federation

Wednesday 04 July 2012 from 08:30 to 10:00. Room Biancospino

S01.01a-1
ANCIENT DUNES AND PALEOSOLS OF THE SAHEL AND SAHARA IN EAST NIGER AS ARCHIVES OF PLEISTOCENE AND HOLOCENE CLIMATE CHANGES

Peter Felix-Henningsen - Germany

S01.01a-2
LATE PLEISTOCENE-HOLOCENE TEPHRA AND VOLCANIC SOILS IN THE VESUVIUS FOOTHILL, SOUTHERN ITALY: RECONSTRUCTION OF TIME SPANS OF SOIL FORMATION AND CLIMATIC CHANGES

Fabio Scarciglia - Arcavacata di Rende (CS) - Italy

S01.01a-3
POLYGENETIC PODZOLS DEVELOPED OF SLOPE COVER-BEDS IN THE SUDETES MOUNTAINS (SW POLAND)

Cezary Kabala, Wrocław - Poland

S01.01a-4
IDENTIFICATION AND QUANTIFICATION OF POSTSEDIMENTARY ROOT-DERIVED OM IN LOESS-PALEOOL SEQUENCES USING LIPID MOLECULAR PROXIES

Martina Gocke, Bayreuth - Germany

S01.01a-5
SOIL WEATHERING AND ACCUMULATION RATES OF POORLY CRYSTALLINE PHASES DERIVED FROM A 1MA CHRONOSEQUENCE

Markus Egli, Zürich - Switzerland

S01.01a-6
DO SMOULDERING FIRES ALONG PEAT COLUMNS AFFECT PALEOENVIRONMENTAL RECONSTRUCTIONS?

Claudio Zaccone - Foglia - Italy

By clicking the abstract warhead You can go back to the index of the Session.



S01.01a-1
ANCIENT DUNES AND PALEOSOLS OF THE SAHEL AND SAHARA IN EAST NIGER AS ARCHIVES OF PLEISTOCENE AND HOLOCENE CLIMATE CHANGES

Felix-Henningsen Peter^[1]

^[1]Justus Liebig University - Institute of Soil Science and Soil Conservation - Giessen - Germany

Fossil and relict paleosols found in extremely arid to semiarid climatic regions of the Sahara desert can provide evidence of past humid climatic periods. These soils developed in eolian sands and can be used to indicate dry climatic phases that occurred prior to humid periods. Three generations of ancient dunes with paleosols were found along a SW-NE traverse covering 20 study sites from the southern Sahel of East Niger to the Ténéré desert and Tchigai mountainous region, and up to the southern border of Libya. OSL dating revealed that the accumulation of Upper Pleistocene ancient dunes began at 29.3 BP and ended at 9.5 BP. A second dune generation, in NE Niger mainly preserved in the wind shadow positions of escarpments and inselbergs, developed under arid conditions with an end in dune sedimentation between 5.2 and 3.5 ka. Paleosols on these dunes indicate a further humid period after 3.5 ka. During this humid period, weak Cambisols also developed on the younger dune generation. The continuously increasing aridity during Upper Holocene found a maximum at about 1.2 – 1.8 ka, indicated by the sedimentation of a further area-wide dune generation in NE Niger. The dunes in the Central Sahara were stabilized by weak weathering and covered by rock debris in a subsequent humid interval of short (possibly only several 10 - 100 a) duration.

By clicking a title in the Session index You can open the relative abstract.