

Giornate di Paleontologia 2018

Trento e Predazzo (5) 6-8 (9) giugno 2018



Programma e libro degli abstract

A cura di Massimo Bernardi e Riccardo Tomasoni



Le Giornate di Paleontologia 2018 sono state riconosciute tra le attività che partecipano all'Anno europeo del patrimonio culturale 2018



Sponsor ufficiale



Sponsor tecnici



THE EUROPEAN CROSSROAD: EARLY PLEISTOCENE PALEOENVIRONMENTS OF THE ITALIAN PENINSULA

Strani F.^{1,2,3}, Bellucci L.^{2,3,4}, Conti J.¹, DeMiguel D.^{5,6,7}, Iurino D.A.^{1,2}, Mecozzi B.^{1,2}, Sardella R.^{1,2,3}

¹ Dipartimento di Scienze della Terra, Sapienza - Università di Roma, P.le Aldo Moro 5, 00185 Roma, Italy;

² PaleoFactory, Sapienza – Università di Roma, P.le Aldo Moro 5, 00185 Roma, Italy;

³ Istituto Italiano di Paleontologia Umana, via U. Aldrovandi 18, I-00197 Roma, Italy;

⁴ Polo museale Sapienza, “Sapienza – Università di Roma”, P.le Aldo Moro 5, 00185 Roma, Italy;

⁵ Fundación ARAID, Zaragoza, Spain;

⁶ Departamento de Ciencias de la Tierra, Área de Paleontología. Universidad de Zaragoza, C/ Pedro Cerbuna 12, 50009 Zaragoza, Spain;

⁷ Institut Català de Paleontologia Miquel Crusafont, Edifici Z, C/ de les Columnes s/n, Universitat Autònoma de Barcelona, 08193 Cerdanyola del Vallès, Barcelona, Spain.

The Plio-Pleistocene transition was characterized by the onset of Quaternary glacial cycles marked by a 41 ka periodicity, which led to a gradual drop in global temperatures. Through the early Pleistocene these climatic oscillations deeply affected terrestrial ecosystems of the Mediterranean region, with the development of drier conditions, reduction of sub-tropical vegetation and the dispersal of several large open dwellers mammals. In this period the Italian peninsula represented a crossroad between Europe and Africa, East and West, thus making the Italian fossil record an exceptional laboratory to study the palaeoenvironmental conditions that favoured the spread of many mammal taxa, among which the *Homo* genus. During the earliest Pleistocene, the paleoenvironment of the middle Villafranchian faunal assemblages was characterized by the presence of a mosaic of habitats as attested by the variety of large mammals and by highly diversified feeding behaviors of the fossil ungulates from the site of Coste San Giacomo (2.1 Ma). The middle/late Villafranchian transition was marked by significant climatic oscillations which led to the disappearance of certain biomes in favour of an expansion of colder and more arid environments, and to important bioevents such the first occurrence of the large carnivore *Pachycrocuta brevirostris*. In this phase herbivore ungulates display a narrower range of diet types as testified in the late Villafranchian Faunal Unit of Olivola (1.8 Ma). During the late early Pleistocene (late Villafranchian/Epivillafranchian faunas) antelopes-*Eucladoceros*-*Leptobos* are replaced by ovibovines-*Praemegaceros*-*Bison* assemblages and the presence of the first human populations are testified in the site of Pirro Nord. Preliminary results on the dietary adaptations of the large herbivores from this locality, suggest that heterogeneous environments may have favoured the radiation of these taxa in the Italian Peninsula.

Luciani V.	p. 80	Ronchi A.	p. 23, 54, 91
Lupi C.	p. 91	Rook L.	p. 41, 48
Macaluso L.	p. 29	Rossi M.	p. 90, 92
Maganuco S.	p. 23	Rosso A.	p. 53
Mancin N.	p. 91	Russo B.	p. 15
Marchetti L.	p. 54	Russo F.	p. 18, 85
Marra A.C.	p. 41	Sabatino G.	p. 19
Marramà G.	p. 27, 79	Sacchi E.	p. 23
Martin J.M.	p. 29	Salvador I.	p. 30
Martinetto E.	p. 24, 58, 69	Sanfilippo R.	p. 53
Masao F.T.	p. 83	Sanguini G.	p. 91
Masini S.	p. 82	Santi G.	p. 54, 90, 91, 92
Mastandrea A.	p. 18, 85	Sanzi R.	p. 46
Mazzini I.	p. 46, 59	Sardella R.	p. 42, 43, 44, 45, 46
Mecozi B.	p. 44, 45, 46	Savorelli A.	p. 78
Menconero S.	p. 83	Sorbelli L.	p. 42
Messori F.	p. 19	Souron A.	p. 42
Milani C.	p. 90	Starnini E.	p. 30
Moretti J.	p. 87	Strani F.	p. 44, 45, 46
Mori E.	p. 83	Terranova E.	p. 45
Natalicchio M.	p. 17	Tona D.	p. 93
Negrino F.	p. 30	Tozzi C.	p. 94
Nicosia U.	p. 23	Tschopp E.	p. 87
Norell M.	p. 87	Turco E.	p. 15
Nowak H.	p. 65	Varese M.	p. 27
Orso J.	p. 70	Viaretti M.	p. 95
Pandolfi L.	p. 41, 74	Villa A.	p. 94
Papazzoni C.A.	p. 84	Waskow K.	p. 87
Pasinetti G.	p. 57	Ye F.	p. 56
Pazzaglia F.	p. 74	Zorzin R.	p. 90
Pellegrino L.	p. 17	Zunino M.	p. 30
Petti F.M.	p. 24		
Piazza M.	p. 24		
Picotti V.	p. 80		
Pievani T.	p. 38		
Pisera A.	p. 84		
Premoli Silva I.	p. 35		
Preto N.	p. 33, 63, 84		
Prinoth H.	p. 55		
Profico A.	p. 25		
Pushkina D.	p. 46		
Quarantelli M.	p. 69		
Quartieri S.	p. 19		
Ragazzi E.	p. 88		
Reitano A.	p. 53		
Rellini I.	p. 30		
Rettori R.	p. 16		
Roghi G.	p. 33, 63, 88		
Romano M.	p. 23, 30, 89		