

PRESENTATION

Name: Davide

Surname: Margaritora

Status/position: PhD student, scholarship

Professional address: **Università di Ferrara**, Dipartimento di Biologia ed Evoluzione, Sezione di Paleobiologia, Preistoria e Antropologia, Corso Ercole I d'este, 32, I-44100 Ferrara; **CNR-UNIMIB**, The Laboratory of Palynology and Palaeoecology of C.N.R. – Institute for the Dynamics of Environmental Processes is located at the Dept. of Environmental and Earth Sciences (DISAT), University of Milano - Bicocca.

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RESEARCH

His research has focused on the paleoenvironmental analysis applied to archaeology, since 2010, in cooperation with the CNR-IDPA (Institute for the Dynamics of Environmental Processes), now IGAG (Institute of the Environmental Geology and Geoengineering).

This kind of interest started during his studies in University of Milan (Cultural Heritage - Archaeology) when he analysed the pollen content of samples from the Forcello Etruscan Harbour (Bagnolo San Vito, MN), with a focus on the lake evolution during the Bronze Age.

He graduated in "Quaternary, Prehistory and Archeology" at the University of Ferrara with a project concerned a complete paleoenvironmental reconstruction of the prehistoric site of Piovesello (Ferriere, PC), including anthracological, macrocharcoal and palynological analysis. Graduated in "Quaternary, Prehistory and Archaeology" at the University of Ferrara.

He is currently working on his PhD project about GIS cartography, with focus on paleoenvironmental and paleoclimatic dynamics during the Middle-Upper Paleolithic transition, LGM and the Late Glacial.

He is involved in the reconstruction of palaeoenvironmental settings for the Great Adriatic Basin during the LGM and Late Glacial. He is developing multi-scale maps using ArcGIS software, including in-depth analysis of main ecosystem patterns during relevant time-frames (Greenland

Interstadial 3, LGM and Bølling–Allerød interstadial). He uses geostatistical techniques employed to create surfaces incorporating the statistical properties of the measured data (kriging and cokriging methods) and the modelling past human-environment interactions to interpret prehistoric hunter-gatherer behaviour in ecological contexts and evaluate human responses to rapid-scale climatic variability.

He participated in different excavations from Paleolithic to Middle Ages, in collaboration with Universities and private societies.

The CNR cooperation has resulted in some scientific publications about paleoecological studies.

KEY WORDS

PERIOD: Middle and Late Paleolithic

GEOGRAPHY: Italy, North-Adriatic region

SPECIALITY: palynological analysis, paleo-environmental reconstruction, GIS cartography

CULTURE/TECHNO-COMPLEX: Mousterian, Uluzzian, Gravettian, Epigravettian

LIST OF PUBLICATIONS

F. BADINO, R. PINI, C. RAVAZZI, D. MARGARITORA, S. ARRIGHI, E. BORTOLINI, C. FIGUS, B. GIACCIO, F. LUGLI, G. MARCIANI, G. MONEGATO, A. MORONI, F. NEGRINO, G. OXILIA, M. PERESANI, M. ROMANDINI, A. RONCHITELLI, E. SPINAPOLICE, A. ZERBONI, S. BENAZZI, *An overview of Alpine and Mediterranean palaeogeography, terrestrial ecosystems and climate history during MIS 3 with focus on the Middle to Upper Palaeolithic transition*, Quaternary International, 64, 2019, in press. <https://doi.org/10.1016/j.quaint.2019.09.024>

F. BADINO, R. PINI, C. RAVAZZI, S. ARRIGHI, P. BERTULETTI, E. BORTOLINI, C. FIGUS, F. LUGLI, G. MARCIANI, D. MARGARITORA, G. OXILIA, M. ROMANDINI, S. BENAZZI, *Sub-millennial scale variability between Heinrich events 4 and 3 in the long terrestrial paleoecological archive of Lake Fimon (north-eastern Italy)*, Conference: INQUA Congress 2019, session "Palaeoclimate. Heinrich events in terrestrial archives". Code O-3224. At: Dublin.

F. BADINO, R. PINI, P. BERTULETTI, C. RAVAZZI, S. ANDÒ, S. ARRIGHI, E. BORTOLINI, B. DELMONTE, C. FIGUS, G. FURLANETTO, F. LUGLI, G. MARCIANI, D. MARGARITORA, G. MONEGATO, G. OXILIA, M. ROMANDINI, S. SILVESTRINI, F. TATEO, F. VALLÈ, G. VEZZOLI, S. BENAZZI, *L'impatto degli Heinrich Events sugli ecosistemi terrestri: individuazione di proxies paleoecologici e sedimentologici lacustri in Nord Italia e analisi delle loro serie temporali ad alta risoluzione*, Conference: Workshop CNR-DTA "La dinamica del clima nell'ultimo ciclo glaciale-interglaciale". At: Bologna, Area della Ricerca del CNR.

M. PERESANI, C. RAVAZZI, R. PINI, D. MARGARITORA, A. COCILOVA D, DELPIANO, S. BERTOLA, L. CASTELLANO, F. FOGLIAZZA, G. MARTINO, C. NICOSIA, P. SIMON, *Human settlement and vegetation-climate relationship in the Greenland Stadial 5 at the Piovesello site (Northern Apennines, Italy)*, Quaternary Research, 90(3), 2018, pp. 503-528. <https://doi.org/10.1017/qua.2018.76>

M. PERESANI, C. RAVAZZI, R. PINI, D. MARGARITORA, A. COCILOVA D, DELPIANO, S. BERTOLA, L. CASTELLANO, G. MARTINO, C. NICOSIA, *Human resilience and the climatic impact of Greenland Stadial 5 on the landscape of the Northern Apennine watershed. An assessment based on multidisciplinary data from the Piovesello gravettian site*, Alpine and Mediterranean Quaternary, Vol. 31 (Quaternary: Past, Present, Future - AIQUA Conference, Florence, 13-14/06/2018), 89 – 92. <https://doi.org/10.26382/AIQUA.2018.AIQUAconference>

M. PERESANI, C. RAVAZZI, R. PINI, D. MARGARITORA, A. COCILOVA D, DELPIANO, S. BERTOLA, L. CASTELLANO, F. FOGLIAZZA, G. MARTINO, C. NICOSIA, P. SIMON, *Il sito gravettiano di Piovesello sullo spartiacque dell'Appennino Settentrionale. Risultati da un'indagine geoarcheologica, archeobotanica, palinologia e archeologica*, in M. Arzarello, F. Fontana, M. Peresani, C. Peretto (a cura di), *Museologia Scientifica e Naturalistica*,

IV Incontro Annuale di Preistoria e Protostoria, Annali dell'Università degli Studi di Ferrara, Ferrara, 7-8 febbraio 2018.

M. PERESANI, A. COCILOVA, L. CASTELLANO, D. DELPIANO, F. FOGLIAZZA, D. MARGARITORA, G. MARTINO, R. PINI, C. RAVAZZI, *On the Apennine ridge. The human frequentation at the Piovesello open site 31 ky BP*, Conference: World of Gravettian Hunters, At Krakow (Poland) 2016.

C. RAVAZZI, M. MARCHETTI, M. ZANON, R. PEREGO, T. QUIRINO, M. DEADDIS, M. DE AMICIS, D. MARGARITORA, *Lake evolution and landscape history in the lower Mincio River valley, unravelling drainage changes in the central Po Plain since the Bronze Age*, Quaternary International, 288, 2013, pp. 195-205. [10.1016/j.quaint.2011.11.031](https://doi.org/10.1016/j.quaint.2011.11.031)

L. CASTELLANO, S. CASINI, M. DEADDIS, M. DE AMICIS, C. FREDELLA, D. MARGARITORA, R.C. DE MARINIS, M. MARCHETTI, R. PEREGO, T. QUIRINO, M. RAPI, C. RAVAZZI, M. ZANON, *Forcello di Bagnolo San Vito (MN): Archaeology and paleoenvironment of an Etruscan harbour in Northern Italy*, the 18th Annual Meeting of the European Association of Archaeologists, Helsinki (Finland), August 29th – September 1st 2012.

R. C. DE MARINIS, E. M. MENOTTI, C. FREDELLA, R. PEREGO, L. CASTELLANO, M. DEADDIS, M. DE AMICIS, M. MARCHETTI, D. MARGARITORA, T. QUIRINO, C. RAVAZZI, M. ZANON, S. GORNI SILVESTRINI, G. DE VINCENZI, T. GRIZZI, *Archeologia e ambiente*, collana del Parco Archeologico del Forcello (Bagnolo San Vito - Mantova), 1, Anthus Markes 2011.

C. RAVAZZI, M. ZANON, R. PEREGO, M. DEADDIS., M. DE AMICIS, C. FREDELLA, M. MARCHETTI, D. MARGARITORA, C.R. DE MARINIS, T. QUIRINO, *Insedimento, evoluzione fluviale e storia delle foreste nella bassa valle del Mincio a partire dall'Età del Bronzo*, AIQUA, 24-25 February, Roma 2011.

C. RAVAZZI, M. MARCHETTI, M. ZANON, R. PEREGO, L. CASTELLANO, M. DEADDIS, M. DE AMICIS, C. FREDELLA, D. MARGARITORA, R.C. DE MARINIS, T. QUIRINO, *Lake evolution since the Bronze Age in the lower Mincio Valley and the Forcello etruscan harbour (central Po Plain)*, *il Quaternario*, Italian Journal of Quaternary Sciences, 24, 2010, pp. 202-204.