



Institut Pythéas
Observatoire des Sciences de l'Univers
Aix-Marseille Université



GEOMEDISLANDS - The Geoarchaeology of the Mediterranean Islands

Multidisciplinary approaches to palaeoenvironmental changes and the history of the human occupation in the Mediterranean islands since the Last Glacial Maximum (IESC, CARGESE, CORSICA, 30 June-2 July 2015)



Tuesday 30 June 2015

15.00-15.45 – Participants arrival and registration

15.45-16.30 – Introduction

16.30-19.00: First oral session - Sea crossing and island colonisation - The dynamics and environmental context of the palaeolithic and neolithic (Chair persons: Jean Guilaine and Olivier Bellier)

16.30-16.50: Palombo M.R., Antonioli F., Lo Presti V., Chiocci F.L., Mannino M.A., Melis R.T., Orru P. *On the colonization of Mediterranean islands by Anatomically Modern Humans: current knowledge and future perspectives*

16.50-17.10: Mandel R., Simmons A. *Geoarchaeology of Ais Giorkis, an upland early Aceramic Neolithic site in southwestern Cyprus: evidence for human-environment interactions*

17.10-17.30: Mazet S., Bontempi J.M., Marini N.A.F., Boschian G., Branch N., Dubernet S., Forti A., Gabriele M., Joly C., Le Bourdonnec F.-X., Orange M., Perruchini E., Wilkinson K., Williams K. *The Neolithisation of Corsica: a view from the top - Abri des Castelli, 2140m asl*

17.30-17.50: Melis R.T., Montis F., Ratto G., Depalmas A., Fundoni G., Zedda M. *Environmental change and prehistoric settlements on the central-western coast of Sardinia: The Sa Osa Nuragic site.*

17.50-18.10: Simmons A., Mandel R. *The geoarchaeology of Akrotiri Aetokremnos, Cyprus and its contribution to Pleistocene extinctions of island fauna: why is it so controversial?*

18.10-18.30: Berger J.F., Combourieu-Nebout N., Delhon, C., Ertlen D., Barra A., Metalinou G., Guilaine J., Philipakis G., Guilbert R. *Les enregistrements continentaux des changements climatiques rapides de l'Holocène ancien/moyen sur l'île de Corfou (Grèce). Correspondance avec les archives marines de l'Adriatique et interactions avec le développement et la mobilité des derniers chasseurs et des premiers paysans néolithiques.*

18.30-19.00 : Discussion

19.00 – 20.00: Welcome cocktail

20.00-21.00: Public Conference by Jean Guilaine (Collège de France) - La diffusion et l'évolution du Néolithique dans l'espace méditerranéen

POSTER HALL IS SITUATED OUTSIDE THE AMPHITHEATER AND MEALS/COFFEE BREAKS WILL BE THE OPPORTUNITY FOR THE AUTHORS TO PRESENT THE DIFFERENT CONTRIBUTIONS (THE AUTHORS MUST STAND IN FRONT OF THEIR POSTER-S)

Wednesday 1 July 2015

7.30-8.30: Breakfast (IESC)

8.30-10.00: 2nd oral session - *Ressource materials and Lithics* (Chair persons: Céline Bressy-Leandri and Pierre Rochette)

8.30-8.50 : **Carter T., Contreras D., Freund K.** *The Nature and Use of Giali Obsidian: New Geo-Archaeological and Characterization Studies*

8.50-9.10 : **Orange M., Le Bourdonnec F.X., Bellot-Gurlet L., Bressy-Leandri C., Luglie C., Joannes-Boyau R., Scheffers A.** *Circulation anthropique de l'obsidienne durant le Néolithique en Méditerranée Occidentale : un point sur les stratégies analytiques*

9.10-9.30: **Mentesana R., Amato V., Day P.M., Ghilardi M., Longo F., Todaro S.** *Looking for the invisible: transformation in the landscape and the ceramics manufacturing in the Final Neolithic-Early Bronze Age at Phaistos, Crete.*

9.30-9.50: **Asta V., Enei F., Fatucci M., Biddittu I.** *Preliminary results of archaeological surveys conducted between Aleria and Le Strette (Eastern Corsica)*

9.50-10.00: Discussion and Coffee break

10.00-10.30: Keynote Lecture by Tony Brown (University of Southampton, UK) - *Climate, Society and Alluvial Geoarchaeology: New data from Central Italy*

10.30-12.30: 3rd Oral session - *Coastal palaeogeographies and human interaction* (Chair persons: Marta Pappalardo and Stefano Furlani)

10.30-10.50: **Ghilardi M., Müller Celka S., Theurillat T., Fachard S., Vacchi M.** *Human and Holocene landscape dynamics: the case study of Eretria (Euboea, Greece)*

10.50-11.10: **Papatheodorou G., Geraga M., Agouridis C., Iatrou M., Prevenios M., Zoura D., Christodoulou D., Kaberi H., Kordella S., Fakiris E.** *A marine geoarchaeological survey in the vicinity of a late bronze aged shipwreck in Modi islet, South Argosaronic Gulf, Greece*

11.10-11.30: **Bony G., Carayon N., Flaux C., Marriner N., Morhange C.** *Palaeo-environmental evolution of the Kathari-Lichines marine bay (Kition, Larnaca, Chypre)*

11.30-11.50: **Argyriou N., Sarris A., Teeuw R.** *The influence of landforms and geodiversity in the settlement patterns of Bronze Age Crete.*

11.50-12.10: **Papoulia C.** *Late Pleistocene to Early Holocene Sea-Crossings in the NE Mediterranean: Unravelling the Evidence – Discussing Future Prospects.*

12.10-12.30: Discussion

12.30-13.45: Break (meal at IESC)

13.45-15.45: 4th Oral session - Sea-level reconstruction and coastline changes (Chair persons: Thierry Theurillat, Attila Çiner and Franck Leandri)

13.45-14.05: Pappalardo M., Bini M., Brückner H., Chelli A., Ribolini A. *Inherited coastal landforms and human adaptation: lessons from NW Italy*

14.05-14.25: Vacchi M., Ghilardi M., Spada G. *Holocene Relative Sea Level changes in the Corsica-Sardinia block*

14.25-14.45: Karkani A., Evelpidou N., Vacchi M., Morhange C., Tsukamoto S. - Frechen M. *Using beachrocks to reconstruct Holocene paleoshorelines in Central Cyclades*

14.45-15.05: Chalkioti A. *Reconstructing the configuration of ancient coastlines with the aid of GIS applications: the case study of Lemnos Island in the Northeast Aegean*

15.05-15.25: Furlani S., Antonioli F., Lo Presti V., Biolchi S., Zavagno E., Buseti A., Torricella F., Venturini E., Donati S. *Geoswim3.0 at Egadi Islands (Sicily, Italy): Results from 70 km of swim surveying*

15.25-15.45: Discussion

15.45-16.00: Coffee Break

16.00-18.30: 5th Oral Session - Land use, paleoecology and archaeobotany (Chair persons: Francesc Burjachs, Laurent Lespez and Joël Guiot)

16.00-16.20: Burjachs F., Pérez-Obiol R., Picornell L., Revelles J., Servera-Vives G., Yll R. *Environmental changes and human colonization in the Balearic Islands and their impacts on vegetation*

16.20-16.40: Curras A., Ghilardi M., Vacchi M., Dussouillez P., Vella C. *Palaeoenvironmental evolution of the Aléria Plain (Corsica) during the last 5000 yr reconstructed from multi-proxy sedimentary data.*

16.40-17.00: Poher Y., Ponel P., Guiter F., Médail F. *Dynamiques paléoécologiques insulaires en réponse aux forçages externes (changements du niveau marins, impacts anthropiques) depuis 7 000 ans : le cas de l'île Cavallo (archipel des Lavezzi, Corse-du-Sud)*

17.00-17.20: Vannière B., Pedrotta T., Jouffroy-Bapicot I., Sabatier P., Magny M. *Neoglacial and land use impact on flood frequency and soil erosion increase in the Eastern Mediterranean during the mid- to late-Holocene transition*

17.20-17.40: Speciale C., D'oronzio C., Stellati A., Fiorentino G. *Decoding palaeoenvironmental and palaeoeconomical strategies during Bronze age in Aeolian Archipelago by archaeobotanical and biochemical analyses*

17.40-18.00: Chowaniec R., Gręzak A. *The culinary preferences of the inhabitants of ancient Akrai, south-eastern Sicily. Archeostratus, Apicius and archaeological investigations.*

18.00-18.30: Discussion

19.00 – 20.00: Public conference by Olivier Bellier (AMU - OSU PYTHEAS - CEREGE) - Tremblements de terre en Méditerranée : de la tectonique des plaques au risque sismique, de la Turquie à la France...

20.00 – Until late...but not too much! : Barbecue party at IESC

Thursday 2 July 2015

7.30-8.30: Breakfast (IESC)

8.30-9.00: Keynote lecture by Attila Çiner (Istanbul Technical University, Turkey) - Late Quaternary glaciers and inferred paleoclimate of the Eastern Mediterranean

9.00-11.00: 6th Oral session - Continental archives: depicting natural and anthropogenic forcing (Chair persons: Tony Brown and Daniel Istria)

9.00-9.20: **Ghilardi M., Istria D., Curras A., Vella C., Dussouillez P., Delanghe D., Crest Y., Colleu M., Vacchi M.** *Reconstructing the palaeoenvironments and the human occupation of the Lower Sagone River Valley (southern Corsica, France) since mid-Holocene using a geoarchaeological approach*

9.20-9.40: **Stock F., Kerschner M., Herda A., Brückner H.** *Transformation of Archipelagos into Floodplains – The Examples of Miletus and Ephesus in Turkey*

9.40-10.00 : **Vella C., Dussouillez P., Istria D., Costa K., Fleury T.J., Ghilardi M., Delanghe D., Cibecchini F., Moreau J., Jouet G.** *The archaeological site of Mariana (North East Corsica, France) and dynamics of the Holocene plain of the Golo from the Antiquity to the Modern period*

10.00-10.20: **Giaime M., Marriner N., Morhange C., Cau M.A., Fornos J.J.** *Roman city of Pollentia (Alcúdia, Mallorca, Balearic Islands): discovery of a lagoonal harbour 2000 years ago*

10.20-10.40: **Zomeni Z.** *Pleistocene and Holocene history of Palaipafos, SW Cyprus*

10.40-11.00: Discussion and Coffee break

11.00-11.30: Keynote lecture by Stathis Stiros (University of Patras, Greece) - Earthquakes in the Mediterranean, associated environmental effects and their historical role

11.30-13.00: 7th Session – Archaeometry (Chair persons: Sylvian Fachard and Matthieu Ghilardi)

11.30-11.50: **Fontaine F., Ghilardi M., Goiran J.P., Lechenault M., Vrancken F., Fagel N.** *Study of coastal sediments from Cap Corsica (France) : Palaeoenvironmental reconstruction and anthropogenic contamination in metal elements over the historical period.*

11.50-12.10: **Sanderson D.C.W., Kinnaid T.C., Leandri F., Bressy-Leandri C., Casanova M.** *OSL dating of megalithic monuments at Capu di Lugu, Belvédère-Campomoro, SW Corsica*

12.10-12.30: **Quesnel Y., Ghilardi M., Malamidou D., Lespez L., Colleu M., Trippé N.** *Geophysical and geoarchaeological interactions at the Thassos' Agora (Thassos Island, North Greece)*

12.30-12.50: **Rochette P., Demory F., Ghilardi M., Romey C., Vella C.** *Coarse magnetic extracts from sediments and soils in coastal Mediterranean sites: applications to archeology*

12.50-13.00: Discussion

13.00 Conclusion

13.00-14.00: Meal at IESC and Bus departure towards Ajaccio Int'l Airport at 14.00

POSTER SESSION

- [1] **Andrieu-Ponel V., Reille M., Poher Y., Vella M.A.V., Cesari J., Leandri F., Pêche-Quilichini K., Ghilardi M., Guiter F., Ponel P.** *Cerealiculture and pastoral activities in the South of Corsica since ca 7600 cal BP*
- [2] **Biddittu I.** *Lithic industry in rhyolite from Capo Testa (Santa Teresa di Gallura, Olbia-Tempio)*
- [3] **Cordier S., Schützler M.L., Evelpidou N., Pavlopoulos K., Bouchet M., Frechen M.** *Morphology and OSL-based geochronology of the Holocene coastal dunes fields of Naxos Island (Cyclades, Greece) : preliminary results*
- [4] **Devillers B., Bony G., Degeai J.P., Gasco J., Oueslati H., Sutra M., Yung F.** *Agathe, an ephemeral island of the Languedoc coast? (Agde, Hérault, France)*
- [5] **Evelpidou N., Karkani A., Kampolis I., Pirazzoli P.** *Late Holocene shorelines in East Attica (Greece)*
- [6] **Evelpidou N., Pirazzoli P.** *Multiple submerged tidal notches: A sea-level indicator of sequences of coseismic subsidences in the Aegean region*
- [7] **Geraga M., Papatheodorou G., Wunderlich J., Iatrou M., Christodoulou D., Fakiris E., Baika K., Pantopoulos G., Gregory D.** *A marine geo-archaeological remote sensing survey in the South Attica coastline, Greece*
- [8] **Mazza A.** *Sicily: geoarchaeology and coastal palaeolandscapes. Multidisciplinary approach and the study of human-sea-landscape interactions over time.*
- [9] **Melis R., Mussi M., Erbi' R., Montis F., Ratto G.** *Geoarchaeology and paleoenvironment on the south-western coast of Sardinia (Italy): the S'Ormu e S'Orku Mesolithic site*
- [10] **Mercadante F.** *Traces of natural disasters at the end of the Bronze Age (1250 -700 BC) in the coastal site of Ustica, (prehistoric village of the Faraglioni)*
- [11] **Mercadante F.** *Traces of natural disasters at the end of the Bronze Age (1250 -700 BC) in the coastal site of Palermo (site megaliths of Pietra Tara - Monte Gallo, Sicily, Italy).*
- [12] **Mosca F., Puppo P.** *Historical sources and reconstruction of Ancient landscapes: the northwest portal of Nea Paphos (Cyprus) and its fortification*
- [13] **De Vita S., Di Vito M., Nomi F., Speciale C.** *The Phlegraean Archipelago: geoarchaeological and multi-disciplinary approach of prehistoric occupation phases.*
- [14] **Sulas F., Melis R.T., French C., Redhouse D., Serreli G.** *River history and settlement pattern in eastern Sardinia: preliminary results of geoarchaeological and historical investigations in the Rio Posada basin*
- [15] **Sureda P., Camaros E., Cueto M., Teira L., Revelles J., Alvarez-Fernandez E., Masclans A., Marin D., Aceituno F.J., Lopez-Doriga I., Burjachs F.** *The site of Cap de Barbaria II and the first human settlement of Formentera (Balearic Islands): Resource management and subsistence in a reduced insular environment*