



Taphonomie Quaternaire: du Général au Particulier
General to Specific Quaternary Taphonomy

Paris, September 7-10th, 2016

J.-Ph. Brugal & C. Denys org.

DETAILED PROGRAM

Programme détaillé / Detailed program

Mercredi 7 septembre / Wednesday 7th September

9h30-10h20: Welcome coffee & Registration

SESSION 1 (1): Développements méthodologiques en Taphonomie / Methodological developments in Taphonomy

La session 1 est une session 'générale', concernant tous groupes d'animaux et périodes culturelles, pouvant aborder la question des analogues/proxies ainsi que les interactions entre accumulations fossiles et processus sédimentaires.

The session 1 is a 'general' session, regarding all animal groups and cultural periods, and envision modern analogs/proxies as well as interactions between sediments and fossil accumulations.

Chair: Y. Fernández-Jalvo

- 10h20-10h50: invited lecture (A.B. Marín-Arrovo - Disentangling faunal skeletal profiles. A new probabilistic framework)**
- 10h50-11h05: Geiling J.M.**, Marín-Arroyo A.B., González Morales M.R. & Straus L.G. - *Little Things Often Overlooked – The Importance Of Bone Micro-Fragments in Archaeological Deposits. A Case Study from El Mirón Cave, Northern Spain.*
- 11h05-11h20: Castel J.C.**, Mallye J.B. & Boudadi-Maligne M. - *The Igue du Gral, a natural trap excavated like an archaeological site: what lessons for the interpretation of skeletal profiles in archaeological contexts?*
- 11h20-11h35: Griggo C.**, Gay I., Fabbro E. & Hobléa F. - *A trap-cave with significant bone accumulation of ibex and chamois serving as taphonomic referential : the Tempiette cave (Entremont-le-Vieux, Savoie, France).*

11h35-11h50: pause café / coffee break

- 11h50-12h05: Dauphin Y.** & Denys C. - *Deciphering alterations of Rodent bones through in vitro digestion - comparison with regurgitation pellets from birds of preys.*
- 12h05-12h20: Elalouf J.M.**, Flaender M., Plaire D., Lambourdière J., Ventosa J., Den Dulk R., Bourdat A.G., Mallye J.B. & Boudadi-Maligne M. - *Real-time molecular archeology.*
- 12h20-12h35: Gourichon L.**, Rendu W., Naji S., et al. - *Microscopic taphonomy of cementum: impediments for seasonality analysis of archaeological teeth.*
- 12h35-12h50: Stallibrass S.** - *Preferential destruction of epiphyses: how it can affect estimates of skeletal elements and age groups.*

12h50-14h20: déjeuner / lunch time

SESSION 1 (2): Développements méthodologiques en Taphonomie / Methodological developments in Taphonomy

Chair: J.D. Speth

- 14h20-14h45: invited lecture (L.K. Horwitz - Taphonomy as Archaeological Narrative)**
- 14h45-15h00: Johnson E.V.**, Parmenter P.C.R. & Outram A.K. - *Profiling taphonomic histories through bone fracture analysis.*
- 15h00-15h15: Channarayapatna S.**, Lembo G., Peretto C. & Thun Hohenstein U. - *Application of GIS to study the distribution of taphonomic agents and their effects on the faunal remains from Isernia La Pineta.*
- 15h15-15h30: Madgwick R.** & Booth T. - *Histological analysis of 'special' animal/human deposits in Iron Age Britain: Exploring patterns of treatment.*
- 15h30-16h20: Short communications, Session 1 :**
- Brugal J.P. - *Age Classes Chart from teeth in spotted Hyena (Crocuta crocuta).*
- Cueto M., et al. - *The taphonomy of carnivore predation and scavenging on humans: New methods and techniques.*
- Fourvel J.B., et al. - *Wild dogs and their relatives: Implication of experimental feedings in their taphonomical identification.*
- Magniez P., et al. - *Stone on Bones, and vice-versa: Experimental study of carcass processing and long bone breakage with a lithic tool kit. Implications for archaeological damage identifications.*
- Turner E., et al. - *Bone Staining in waterlogged deposits: a contribution to the interpretation of near-shore find accumulation at the Schöningen 13II-4 "Spear-Horizon" site, Lower Saxony, Germany.*
- Rozada L., et al. - *A trampling experiment and its application to an open-air swampy environment and non-anthropoc context.*
- Gardeisen A., et al. - *Caractérisation morphologique de stries de découpe d'origine lithique ou métallique: premières expérimentations avec des répliques de couteaux en Fer et Bronze.*
- Mallye J.B., et al. - *Neotaphonomic data of Dhole (Canis alpinus) bone destruction.*

16h20-16h50: pause café / coffee break

- 16h50-17h05: Morera N.**, Bogdanovic I., Palomo A., Navarrete V. & Saña M. - *Integrated Study of Taphonomic Dynamics from Prehistoric Settlements Using Geo-statistics Tools. Case-study of the Lacustrine Settlement of La Draga (VI-V millennia BC).*
- 17h05-17h20: Samper Carro S.C.**, Louys J., Kealy S. & O'Connor S. - *True colours: Experimental study on Pacific fish bones to assess bone colouring related to burning and post-depositional processes.*
- 17h20-17h35: Wertz K.**, Bochenski Z.M. & Tomek T. - *Dead birds revisited: an experimental approach to the preservation of avian bones.*
- 17h35-17h45: Martín-Rodríguez P.** & Vergès J.M. - *Taphonomic processes in "fumier" deposits: dung, fire and bones.*

Jeudi 8 septembre / Thursday 8th September

SESSION 1 (3): Développements méthodologiques en Taphonomie / Methodological developments in Taphonomy

Chair: M. Mondini

10h00-10h30: invited lecture (J.D. Speth - Taphonomy and the Neanderthal Cooking Paradox)

10h30-10h45: Thun Hohenstein U., Lembo G., Muttillio B. & Peretto C. - *Edaphic modifications vs anthropic activities at the acheulean site of Guado San Nicola (Monteroduni, Isernia, Southern Italy).*

10h45-11h: Costa C. & Valera A. - *Broken bones at the Late Neolithic Perdigões enclosure: exploring bone fat.*

11h-11h15: Gabucio M.J. & Fernández-Laso R.J. - *Turning a rock shelter into a home. Neanderthal use of space in Abric Romani levels M and O (Capellades, Barcelona, Spain).*

11h15-11h45: pause café / coffee break

11h45-12h00: Crépin L., Prat S., Péan S. & Yanevich A. - *Contribution of comparative taphonomy of human and faunal remains to the understanding of mortuary practices of Gravettians from far south-eastern Europe: level 6-1 of Buran-Kaya III (Crimea).*

12h00-12h15: Nannini N., Duches R., Boschin F., Crezzini J., Fontana A., Romandini M. & Peresani M. - *Archaeological bone injuries by lithic backed projectiles: new evidence based on experimental data and 3D analysis.*

12h15-12h30: Rabinovich R. - *Taphonomy of water-logged sites in the Jordan Valley.*

12h30-12h45: Short communications, Session 1:

Hanon R. et al. - *Interpretation of linear marks on a hominin cranium (Stw53) from Sterkfontein in light of a new methodological approach.*

Kitagawa K. et al. - *Cave bears in Archaeological Contexts: Implications for Taphonomic Analysis.*

Nieto Espinet A. et al. - *Puits ou dépotoir?! chronique d'un abandon. Étude taphonomique des ensembles faunistiques du puits - citerne de la forteresse ibérique d'Els Vilars (Lleida, Catalogne).*

Vettese D. et al. - *'Micro-notches': a reliable diagnostic feature to locate percussion impacts in long bone breakage?*

Pérez-Luis L.J. et al. - *Bone retouchers from the Middle Palaeolithic site of El Salt (Alcoi, Spain).*

12h45-14h15: déjeuner / lunch time

SESSION 2 (1): Prédation Animale et Humaine / Human and Animal Predation

La session 2 porte sur tous les processus de prédation, à la fois dans le passé et le récent, avec des sujets comme l'analyse taxon-free, les études intra- et inter-sites, les relations proies-prédateurs...considérés selon de courtes périodes/chronologies et pouvant être en rapport avec des contextes culturels. De plus, une mention spéciale portera sur la famille des Caprinés en raison de leurs biotopes particuliers.

The session 2 is devoted of all kind of predation process, in the past and/or modern environments with themes such as taxon-specific analysis, intra- inter-sites studies, prey-predator relationships,...considered to short chronology/period and possibly related to cultural context. Moreover, a special mention for this topic will concern the Caprid taxa (related to their special biotope).

Chair: J. Rosell

14h15-14h45: invited lecture (M. Mondini - Carnivore taphonomy in South America: A review of actualistic studies and their implications in the southern Neotropics)

14h45-15h00: Romandini M., Thun Hohenstein U., Fiore I., Lubrano V., Tagliacozzo A. & Peresani M. - *Neandertal and small mammals exploitation in Northern Italy: fortuity, necessity or hunting variety?*

15h00-15h15: Luret M., Burke A., Bernaldo de Quiros F. & Besse M. - *La grotte d'El Castillo (Cantabrie, Espagne) : Étude archéozoologique de la transition paléolithique moyen/paléolithique supérieur.*

15h15-15h30: Rufà A., Blasco R., Rosell J. & Vaquero M. - *What is going on at the Molí del Salt site? A zooarchaeological approach to the last hunter-gatherers from South Catalonia.*

15h30-16h00: Short communications, Session 2:

Lloveras L. et al. - *The bird remains assemblage from the Middle Palaeolithic level I of Arbreda Cave: a taphonomic story.*

Boudadi-Maligne M. et al. - *Dogs and digested bones in the Azilian of the « grotte-abri du Moulin » (Troubat, Hautes-Pyrénées).*

Mwebi O. & Brugal J.P. - *Comparison of Ungulate Bone Element Representation and Destruction Patterns by the Two Hyena species Crocuta crocuta and Hyaena hyaena in Kenya.*

Souron A. et al. - *A plausible case of human predation on a suid (Kolpochoerus majus) from Bodo, Middle Pleistocene, Ethiopia.*

Valensi P. & Boulbes N. - *Le Roc-aux-Sorciers (Vienne, France) : étude archéozoologique d'une faune magdalénienne dans un abri sous-roche orné.*

Daujeard C. et al. - *Bone Accumulation of Caprines in rocky landscapes: a general framework.*

16h00-16h30: pause café / coffee break

- 16h30-16h45:** Rosell J., Blasco R. & Arilla M. - *Very human bears: a neo-taphonomic research study on wild brown bears (Ursus arctos arctos) in the Spanish Pyrenees and its archaeological implications.*
- 16h45- 17h00:** Haws J. & Carvalho M. - *Taphonomy and site formation processes in the Late Pleistocene deposits of Lapa do Picareiro (Estremadura, Portugal).*
- 17h-17h15:** Wojtal P. & Wilczyński J. - *Carnivores in everyday life of Gravettian hunter-gatherers in Central Europe.*
- 17:15-17h30:** Muñoz A.S. - *Human predation on sea lion populations in coastal Patagonia during Late Holocene.*

17h30-18h: Questions and General discussion

19h: buffet dinner at the IPH library (see map)

Vendredi 9 septembre / Friday 9th September

SESSION 3: Taphonomie et Paléoenvironnements / Taphonomy and Palaeoenvironments

La session 3 concerne les études fondamentales et appliquées en rapport avec les notions et concepts d'écologie, depuis les métacommunautés, les communautés, aux populations, soulevant les questions de compétition, d'analyse multisites, si possible selon une chronologie longue.

The session 3 will deal with fundamental or applied studies in relation with the concepts of ecology, from metacommunities, communities, to populations, with notion of competition, multisites analysis, considered if possible on a large chronology/period.

Chair: R. Madgwick

- 10h00-10h30: invited lecture (A.K. Behrensmever & J. Miller - *Death, Destruction and Preservation – Lessons from the Bones of Amboseli Park, Kenya*)**
- 10h30-10h45:** Bignon-Lau O. - *Beyond evidences. Investigating the animal communities presence in the Paris Basin during the Last Glacial Maximum with metapopulation and cryptic northern refugia models.*
- 10h45-11h:** Fourvel J.B., Thackeray J.F. & Braga J. - *New insights on Kromdraai Carnivores: Palaeoecology, Predator-prey interactions and their Implications in the site formation.*
- 11h-11h15:** Croitor R. - *Factors influencing the hunting strategy of Paleolithic reindeer hunters.*

11h15-11h45: pause café / coffee break

- 11h45-12h00:** Pelletier M., Royer A., Holliday T.W. & Maureille B. - *The Rabbit Graveyard of Regourdou (Montignac-sur-Vézère, Dordogne, France): Impact of a warren on faunal assemblages and palaeoenvironmental reconstructions.*
- 12h00-12h15:** Merino Martínez G.O., Rivals F. & Saña Seguí M. - *Taphonomic evaluation of dental microwear patterns on remains of first domesticates in western Mediterranean area.*
- 12h15-12h30:** Guimaraes S., Gorgé O., Stoetzel E., Morin D., Fernández-Jalvo Y., Denys C., Grange T. & Geigl E.M. - *Taphonomy of DNA in rodent bones.*
- 12h30-12h45:** Iniesto M., Buscalioni A.D., Guerrero M.C. & López-Archilla A.I. - *Microbial mats: Its role in Early Fossilization.*

12h45-14h15: déjeuner / lunch time

SESSION 2 (2): Prédation Animale et Humaine / Human and Animal Predation

Chair: P. Wojtal

- 14h15-14h30:** Sanz M. & Daura J. - *Carnivore involvement in bone assemblages based on taphonomic, zooarchaeological and coprogenic analyses of the Cova del Coll Verdaguer site (Barcelona, Iberian Peninsula).*
- 14h30 -14h45:** Campmas E., Stoetzel E. & Denys C. - *Evaluation of African mammalian carnivore taphonomic signature on vertebrate faunal remains from coprogenic samples.*
- 14h45-15h00:** Lacarrière J., Boudadi-Maligne M., Costamagno S., Altuna J., Mariezkurrena K. & Mallye J.B. - *New data about prey acquisition in Amalda. Taphonomic and zooarchaeological approach of a Gravettian layer (level VI).*
- 15h00-15h15:** Camarós E., Cueto M. & Ciochon R.L. - *Crocodile predation among Homo erectus fossils from Trinil (Java, Indonesia): A taphonomic approach.*
- 15h15-15h30:** Boschin E., Aureli D., Rocca R., Giusti D. & Lemorini C. - *Who really ate the elephant? New taphonomic and archaeozoological study of Ficoncella site.*
- 15h30-16h00:** Short communications, Session 3:
Huchet J.B. et al. - *Exceptionally well-preserved insect remains from the Seleucid Empire (312 - 63 BC), Iran.*
Lebreton L. & Soriano S. - *Micromammals taphonomy and palaeoenvironmental reconstruction of a late Pleistocene site: a case study at Roc-en-Pail (France).*
Pineda A. et al. - *Competition dynamics among predators during the late Early Pleistocene: the case of Barranc de la Boella (Tarragona, Spain).*
Sam Y. - *Station Paléolithique inférieure du lac Karar (Tlemcen, Algérie) : un exemple singulier de taphonomie.*

16h00-16h30: pause café / coffee break

- 16h30-16h45:** Daujeard C., Brugal J.P., Crégut-Bonnoure E., Le Pape J.M., Prucca A. & Brochard S. - *Ibex accumulations in two Upper Pleistocene caves of Southeastern France: who are the culprits?*
- 16h45-17h:** Sauqué V., Sanchis A. & Mardurell-Malapeira J. - *Were European Late Pleistocene leopards bone accumulators? Taphonomic results from Iberian key sites.*
- 17h-17h15:** Arceredillo D., Brugal J.P., Peyrouse J.B. & Aubry T. - *The Middle and Upper Paleolithic of Buraca Escura (Redinha, Portugal): a taphonomical and zooarcheological perspectives.*
- 17:15-17h30:** Duches R., Dalmeri G., Fiore I., Bassetti M., Hrozny Kompatscher M., Kompatscher K., Neri S. & Tagliacozzo A. - *Respecting the hunted: utilitarian and ritual treatment of ibex remains from Late Epigravettian Dalmeri rock shelter (Italy).*

17h30-18h: Questions and discussion

Samedi 10 septembre / Saturday 10th September

SESSION 2 (3): Prédation Animale et Humaine / Human and Animal Predation

Chair: C. Denys

- 10h30-10h45:** Lloveras L., Cosso A., Nadal J., Solé J. & Claramunt-López B. - *Taphonomic signature of Golden Eagles on bone prey remains.*
- 10h45-11h:** Romero A.J., Díez-Lomana J.C. & Brugal J.P. - *Taphonomy and Zooarchaeological analysis of avian remains of Middle Palaeolithic levels of Pié Lombard (Tourrettes-sur-Loup, France).*
- 11h-11h15:** Bochenski Z.M., Tomek T. & Wertz K. - *Bird bones in Sarakenos Cave: a Greek tale about death, rejection, and disfigurement.*
- 11h15-11h30:** Agudo Pérez L., Marín-Arroyo A.B.; Couto González S., Pinedo Valero S.O., Gil-Sánchez J.M. & Margalida A. - *Only humans and carnivores? Taphonomic analysis of bearded vulture (*Gypaetus barbatus*) historical nests in the southeast of Iberia.*
- 11h30-11h45:** Cochard D., Serrand N., Charles L. & Lenoble A. - *Human or bird induced accumulations of land snails in the Lesser Antilles: application of present day referential.*
- 11h45-12h00:** Huchet J.B. - *Ichnological and taphonomic approaches of bone modification caused by insects in archaeological context.*
- 12h00-12h15:** Saafi I. - *Etude préliminaire des traces de consommations anthropiques et non anthropiques sur les coquilles d'escargots terrestres.*

12h15-13h45: déjeuner / lunch time

SESSION 1 (4): Développements méthodologiques en Taphonomie / Methodological developments in Taphonomy

Chair: L.K. Horwitz

- 13h45-14h15:** invited lecture (Y. Fernández-Jalvo - *How taphonomy may help interpreting past ecosystems and environments?*)
- 14h00-14h30:** Denys C., Stoetzel E., Bailon S., Bochaton C., Bearez P., Cochard D., Desclaux E., Guillaud E., Huchet J.B., Fernández-Jalvo Y. & Laroulandie V. - *Small predator accumulations, taphonomy and palaeoenvironment : about practices and reference establishment.*
- 14h30-14h45:** Stoetzel E., Bailon S., Bochaton C., Cochard D., Gala M. & Laroulandie V. - *Multi-taxa neo-taphonomic analysis and cross-validation of observations: case study from Dominica (Lesser Antilles).*
- 14h45-15h00:** Studer J. - *Intrusive birds of prey in Nabataean tombs (Madâ'in Sâlih, Saudi Arabia).*

15h00-16h00: concluding remarks, closure ceremony
