



April 30th, 2025

Dear colleagues,

we are happy to share the 14th newsletter of our pyroarchaeology commission with you! You can find conferences news, including two sessions at the virtual EAA meeting in early September, on page 2 and publication news on pages 3 to 6.

Accompanying this newsletter are again some board news. Carolina has decided to step back from the board. We are very grateful for her contributions, from funding this commission to organizing several sessions over the years and steering the commission with us. She will of course remain a valuable member of our commission. In her stead, we propose Ségolène Vandeveldé as the new secretary. She has been a very active member and brings her very own perspective of the archaeology of fire and light.

We will discuss these new developments in the board and other commission business at our next commission meeting, at the DIG meeting in Tübingen, May 21st to 24th, 2025.

With our best wishes

Carolina, Chris, Ségolène and Mareike*

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Conference News

Our board member Chris Miller is organizing the next **Developing International Geoarchaeology meeting in Tübingen, Germany, May 21st to 24th**, and we will have our **annual commission meeting** here.

The **10th World Archaeological Congress** will take place in **Darwin, Australia, 22-28 June 2025**. Arroyo-Kalin and Herrera are organizing a session on Pyrotechnology: Meanings and Uses of Fire.

This year's EAA Meeting will take place virtually 2–6 September 2025 and two of our commission members are organizing **sessions**:

Belarte, Mateu Sagués, Molist, Borgna, & Sisa-López de Pablo “Hearths, ovens and cooking spaces in The Mediterranean from The Late Prehistory to the Middle Ages)” with 12 accepted contributions

March, Plque Huerta, Soler Mayor & Hart “Reconstructing the history of fire, control and application of thermal energy and its technical, social, symbolic and environmental consequences” with 11 contributions and Pyne as discussant.

Publication News

In the last 6 months the following papers were published on pyroarchaeological research (not a complete list):

- Alzate-Casallas, G., Sánchez-Carro, M.A., Barbieri, A., González-Morales, M.R., 2024. Was fire use a cultural trait of the Gravettian? New micro-archaeological data from Fuente del Salín cave (Val de San Vicente, Cantabria). *Archaeol. Anthropol. Sci.* 17, 10. <https://doi.org/10.1007/s12520-024-02126-x>
- Audiard, B., Monney, J., Padovin, M., Blasco, T., Battipaglia, G., Théry-Parisot, I., 2025. Spatial analysis of the isotopic signal ($\delta^{13}C$) of palaeolithic charcoal: A suitable tool in chrono-environmental contextualisation of Points Cave (Gard, France). *J. Archaeol. Sci. Rep.* 61, 104927. <https://doi.org/10.1016/j.jasrep.2024.104927>
- Belarte, M.C.; Mateu Sagués, M.; Pecci, A.; Pescini, V.; Gomar Boscà, A.; Portillo, M.; Saorin, C.; Falcó, A.; Pastor Quiles, M.; Morer de Llorens, J.; Asensio, D.; Menéndez Molist, P.; Noguera, J.; Sabaté Balada, M.; Solé Parellada, C.; Cots Serret, I. 2025 "Construcción, uso y mantenimiento de los hogares en la Csetania ibérica (ss. V-III a. C.): casos de estudio microcontextuales", *Spal*, 34.1, p. 134-166. <https://dx.doi.org/10.12795/spal.2025.i34.06>
- Belarte, M.C.; Anguera, M.; Mateu, M.; Pastor Quiles, M. 2024, "Baking Bread in the Riff Area (Morocco): An Ethnographic Approach to the Study of Iron Age Archaeological Ovens", *EXARC Journal*, 2024/4. <https://exarc.net/ark:/88735/10775>
- Bosch, M.D., Pirson, S., Damblon, F., Jambriña-Enríquez, M., Mallol, C., Pryor, A., Murphree, W.C., Viola, B.T., Antl-Weiser, W., Nigst, P.R., 2025. A First Look at the Gravettian Open-Air Site Ollersdorf-Heidenberg (Austria): Recent Fieldwork and First Results on Stratigraphy, Chronology, Organic Preservation and Combustion Activity. *J. Paleolit. Archaeol.* 8, 10. <https://doi.org/10.1007/s41982-025-00210-9>
- Branca, N.M., Lorentz, K.O., 2025. Cremated human remains from Palaepaphos-Skales: A case study from the iron age of Cyprus. *J. Archaeol. Sci. Rep.* 62, 105062. <https://doi.org/10.1016/j.jasrep.2025.105062>
- Chatzikonstantinou, I., Fülöp, K., Chronaki, S., Snoeck, C., Kiriati, E., Triantaphyllou, S., 2025. Experimental insights into different funerary burning conditions on Crete island, Greece. *J. Archaeol. Sci. Rep.* 62, 105067. <https://doi.org/10.1016/j.jasrep.2025.105067>

- Crombé, P., Langohr, R., 2025. Burnt ant nests and their parallels with Mesolithic charcoal-rich pits: A comment on Huisman et al. (2024). *J. Archaeol. Sci.* 176, 106186.
<https://doi.org/10.1016/j.jas.2025.106186>
- Deckers, K., Riehl, S., Karakaya, D., Müller, T., Badreshany, K., Tumolo, V., Lawrence, D., 2025. Fuel use in ancient Southwest Asia based on wood charcoal and seed data from fire installations. *J. Archaeol. Sci. Rep.* 62, 104999.
<https://doi.org/10.1016/j.jasrep.2025.104999>
- Frumkin, A., 2025. Catastrophic fires and soil degradation: possible association with the Neolithic revolution in the southern Levant. *J. Soils Sediments*. <https://doi.org/10.1007/s11368-025-04021-x>
- Gallo, G., Aldeias, V., Stahlschmidt, M., 2025. Revisiting the thermal alteration of buried bone. *J. Archaeol. Sci. Rep.* 63, 105080. <https://doi.org/10.1016/j.jasrep.2025.105080>
- Herrejón-Lagunilla, Á., Villalaín, J.J., Pavón-Carrasco, F.J., Serrano Sánchez-Bravo, M., Sosa-Ríos, S., Mayor, A., Galván, B., Hernández, C.M., Mallol, C. and Carrancho, Á., 2024. The time between Palaeolithic hearths. *Nature*, 630(8017), pp.666-670.
- Hlophe, B., Bamford, M.K., 2025. Charcoal insights on the vegetation, climate and subsistence patterns at Wonderwerk Cave. *Quat. Int.* 728, 109755.
<https://doi.org/10.1016/j.quaint.2025.109755>
- Huisman, H., Peeters, H., de Kort, J.-W., Smits, J., 2025. Reply to “Burnt ant nests and their parallels with Mesolithic charcoal-rich pits: A comment on Huisman et al. (2024)” By Philippe Crombé and Roger Langohr. *J. Archaeol. Sci.* 176, 106188.
<https://doi.org/10.1016/j.jas.2025.106188>
- Ivorra, S., Tengberg, M., Bonhomme, V., Kaczmarek, T., Pastor, T., Terral, J.-F., Gros-Balthazard, M., 2024. Leveraging the potential of charred archaeological seeds for reconstructing the history of date palm. *J. Archaeol. Sci.* 170, 106052.
<https://doi.org/10.1016/j.jas.2024.106052>
- Kedar, Y., Kedar, G., Kadowaki, S., Barkai, R., 2024. Hearth management at a middle Paleolithic rock shelter site: Smoke density analysis at Tor Faraj, Jordan. *J. Archaeol. Sci.* 172, 106107. <https://doi.org/10.1016/j.jas.2024.106107>
- Lewis, M.P., 2025. Investigating the firing temperature of Late Chalcolithic ceramics from archaeological sites of the Adhaim-Sirwan Basin, Iraqi Kurdistan using FTIR. *J. Archaeol. Sci. Rep.* 62, 105005. <https://doi.org/10.1016/j.jasrep.2025.105005>

- Mackay, A., McGarry, J.L., Boss, E.R.L., Watson, S.E., 2025. Superficial reddening of silcrete may indicate low temperature heat treatment. *J. Archaeol. Sci. Rep.* 61, 104969. <https://doi.org/10.1016/j.jasrep.2025.104969>
- Maltin, E., Leino, M.W., Rosén, C., Isaksson, S., 2025. Beef, butter, and broth: cooking in 16th-century Sweden. *Archaeol. Anthropol. Sci.* 17, 44. <https://doi.org/10.1007/s12520-024-02152-9>
- Medina-Alcaide MÁ. 2025 The “Archeology of the Light”: A multiproxy, interdisciplinary and experimental approach to Paleolithic subterranean activities. *Open Res Europe* 2025, 4:216 (<https://doi.org/10.12688/openreseurope.17712.2>)
- Murphree, W.C., Ferro-Vázquez, C., Kulakovska, L., Usyk, V.I., Kononenko, O., Bosch, M.D., Haesaerts, P., Damblon, F., Pirson, S., Nigst, P.R., Aldeias, V., 2025. Fire Use During the Last Glacial Maximum: Evidence From the Epigravettian at Korman’ 9, Middle Dniester Valley, Ukraine. *Geoarchaeology* 40, e70006. <https://doi.org/10.1002/gea.70006>
- el Río, J., Palencia-Ortas, A., Gómez-Paccard, M., Carrancho, Á., Saladié, P., Chacón, M^a.G., Carbonell, E., Vallverdú, J. 2025. Archaeomagnetic Tools Applied to the Study of Middle Palaeolithic Hearths: The Level R (ca. 60 ka BP) at Abric Romaní (NE Iberian Peninsula). *Journal of Paleolithic Archaeology* 8:12. <https://doi.org/10.1007/s41982-025-00213-6>
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- Schmidt, P., Koch, T.J., 2024. The molecular composition of birch tar and its infrared spectrum. *Archaeol. Anthropol. Sci.* 16, 193. <https://doi.org/10.1007/s12520-024-02102-5>
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