

# João Cascalheira

ASSISTANT RESEARCHER

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## Summary

I am an archaeologist interested in prehistoric hunter-gatherer adaptations, specifically in how these are related to processes of climate and environmental change. I focus on the study of lithic technological organization and its correlation with various aspects of ecological dynamics and human behavior. I currently direct three field projects, I am co-responsible for a project investigating the origins and evolution of modern human cognition in southwestern Iberia, and a collaborator in different projects in Mozambique. My publication record counts with 4 books/edited volumes, 28 publications in peer-review journals, and more than 30 other publications as first author or in collaboration. I also have more than 100 public presentations in international professional conferences and invited seminars.

## Education

### Ph.D. in Archaeology

University of Algarve, Portugal

THESIS: THE MEDITERRANEAN INFLUENCE ON THE SOCIAL NETWORKS OF THE IBERIAN SOLUTREAN

2013

### MA in Archaeology

University of Algarve, Portugal

FINAL CLASSIFICATION: 19 OUT OF 20. THESIS: SOLUTREAN LITHIC TECHNOLOGY FROM THE VALE BOI ROCKSHELTER

2009

### Licenciatura in Cultural Heritage

University of Algarve, Portugal

FINAL CLASSIFICATION: 16 OUT OF 20

2007

## Employment History

### Assistant Researcher

University of Algarve, Portugal

POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

2019-Present

### Post-Doctoral Researcher

University of Algarve, Portugal

POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

2014-2019

### Visitor Assistant Professor

University of Algarve, Portugal

COURSES TAUGHT:

- Lithic analysis (MA in Archaeology)
- Introduction to lithic analysis (Undergrad. in Archaeology)
- Introduction to Data Analysis in Archaeology (Undergrad. in Archaeology)
- Prehistoric adaptations to climate change (Ph.D. in Archaeology)

2014-Present

## Publications

Citation metrics – November 2019: **556** citations | *Google Scholar* H-index: **12** | *Web of Science* H-index: **9**

### BOOKS AND EDITED VOLUMES

1. Cascalheira, J and A Picin, eds. (In press). *Short-Term Occupations in Paleolithic Archaeology*. Interdisciplinary Contributions to Archaeology. Springer Nature. 271 pp. <https://www.springer.com/gp/book/9783030274023#aboutBook>.
2. Schmidt, I, J Cascalheira, N Bicho, and GC Weniger, eds. (2019). *Human Adaptations to the Last Glacial Maximum: The Solutrean and Its Neighbors*. Cambridge Scholars Publishing. Cambridge Scholars Publishing.
3. Cascalheira, J and N Bicho (2018). *The Impact of Drastic Environmental Changes in Prehistoric Hunter-Gatherer Adaptations*. Vol. 33. 3. Special Issue in Journal of Quaternary Science.
4. Cascalheira, J and C Gonçalves, eds. (2012). *Proceedings from Conference of Young Researchers in Archaeology (JIA 2011)*. 2 vols. Faro: Universidade do Algarve.
5. Cascalheira, J (2010). *Tecnologia Lítica Do Abrigo Solutrense de Vale Boi*. Cadernos Da Uniarq 5. Lisbon: UNIAHQ.

### PEER-REVIEWED ARTICLES

1. Gonçalves, C, L André, J Cascalheira, and N Bicho (2019). Der Muschelhaufen von Cabeço Da Amoreira in Muge, Portugal. *Ergebnisse Der Archäologischen Arbeiten Des Letzten Jahrzehnts. Der muschelhaufen von Cabeço da Amoreira in Muge, Portugal. Ergebnisse der archäologischen arbeiten des letzten jahrzehnts* **59**.
2. Horta, P, J Cascalheira, and N Bicho (2019). The Role of Lithic Bipolar Technology in Western Iberia's Upper Paleolithic: The Case of Vale Boi (Southern Portugal). *Journal of Paleolithic Archaeology* **2**(2), 134–159.
3. Cascalheira, J and N Bicho (2018). Testing the Impact of Environmental Change on Hunter-Gatherer Settlement Organization during the Upper Paleolithic in Western Iberia. *Journal of Quaternary Science* **33**(3), 323–334.
4. Gonçalves, C, J Cascalheira, C Costa, S Bárbara, R Matias, and N Bicho (2018). Detecting Single Events in Large Shell Mounds: A GIS Approach to Cabeço Da Amoreira, Muge, Central Portugal. *Journal of Archaeological Science: Reports* **18**, 1000–1010.
5. Paixão, E, J Marreiros, T Pereira, J Gibaja, J Cascalheira, and N Bicho (2018). Technology, Use-Wear and Raw Material Sourcing Analysis of a c. 7500 Cal BP Lithic Assemblage from Cabeço Da Amoreira Shellmidden (Muge, Portugal). *Archaeological and Anthropological Sciences*, 1–21.
6. Bicho, N, J Cascalheira, J Haws, and C Gonçalves (2018). Middle Stone Age Technologies in Mozambique: A Preliminary Study of the Niassa and Massingir Regions. *Journal of African Archaeology* **16**(1), 60–82.
7. Bicho, N, J Cascalheira, L André, J Haws, A Gomes, C Gonçalves, M Raja, and M Benedetti (2018). Portable Art and Personal Ornaments from Txina-Txina: A New Later Stone Age Site in the Limpopo River Valley, Southern Mozambique. *Antiquity* **92**(363), E2.
8. Bicho, N and J Cascalheira (2018). Global Perspectives on the Impact of Drastic Environmental Changes in Hunter-Gatherer Technologies. *Journal of Quaternary Science* **33**(3), 255–260.
9. Cascalheira, J, N Bicho, T Manne, and P Horta (2017). Cross-Scale Adaptive Behaviors during the Upper Paleolithic in Iberia: The Example of Vale Boi (Southwestern Portugal). *Quaternary International* **446**, 17–30.
10. Bicho, N, J Cascalheira, and C Gonçalves (2017). Early Upper Paleolithic Colonization across Europe: Time and Mode of the Gravettian Diffusion. *PLoS One* **12**, e0178506.
11. Cascalheira, J, N Bicho, and C Gonçalves (2017). A Google-Based Freeware Solution for Archaeological Field Survey and Onsite Artifact Analysis. *Advances in Archaeological Practice* **5**, 328–339.
12. Bicho, N, J Cascalheira, J Marreiros, and T Pereira (2017). Rapid Climatic Events and Long Term Cultural Change: The Case of the Portuguese Upper Paleolithic. *Quaternary International* **428**, 3–16.
13. Bicho, N, J Cascalheira, C Gonçalves, C Umbelino, DG Rivero, and L André (2017). Resilience, Replacement and Acculturation in the Mesolithic/Neolithic Transition: The Case of Muge, Central Portugal. *Quaternary International* **446**, 31–42.
14. Bicho, N, J Haws, M Raja, O Madime, C Gonçalves, J Cascalheira, M Benedetti, T Pereira, and V Aldeias (2016). Middle and Late Stone Age of the Niassa Region, Northern Mozambique. Preliminary Results. *Quaternary International* **404**, 87–99.
15. Pereira, T, N Bicho, J Cascalheira, L Infantini, J Marreiros, E Paixão, and X Terradas (2016). Territory and Abiotic Resources between 33 and 15.6 Ka at Vale Boi (SW Portugal). *Quaternary International* **412, Part A**, 124–134.
16. Gonçalves, C, M Raja, O Madime, J Cascalheira, J Haws, D Matos, and N Bicho (2016). Mapping the Stone Age of Mozambique. *African Archaeological Review* **33**(1), 1–12.
17. Marreiros, J, N Bicho, J Gibaja, T Pereira, and J Cascalheira (2015). Lithic Technology from the Gravettian of Vale Boi: New Insights into Early Upper Paleolithic Human Behavior in Southern Iberian Peninsula. *Quaternary International* **359–360**, 479–498.
18. Bicho, N, J Marreiros, J Cascalheira, T Pereira, and J Haws (2015). Bayesian Modeling and the Chronology of the Portuguese Gravettian. *Quaternary International* **359–360**, 499–509.
19. Cascalheira, J and N Bicho (2015). On the Chronological Structure of the Solutrean in Southern Iberia. *PLoS One* **10**, e0137308.
20. Tátá, F, J Cascalheira, J Marreiros, T Pereira, and N Bicho (2014). Shell Bead Production in the Upper Paleolithic of Vale Boi (SW Portugal): An Experimental Perspective. *Journal of Archaeological Science* **42**, 29–41.
21. Gonçalves, C, J Cascalheira, and N Bicho (2014). Shellmiddens as Landmarks: Visibility Studies on the Mesolithic of the Muge Valley (Central Portugal). *Journal of Anthropological Archaeology* **36**, 130–139.
22. Bicho, N, J Cascalheira, J Marreiros, C Gonçalves, T Pereira, and R Dias (2013). Chronology of the Mesolithic Occupation of the Muge Valley, Central Portugal: The Case of Cabeço Da Amoreira. *Quaternary International* **308–309**, 130–139.
23. Bicho, N, T Manne, J Marreiros, J Cascalheira, T Pereira, F Tátá, M Évora, C Gonçalves, and L Infantini (2013). The Ecodynamics of the First Modern Humans in Southwestern Iberia: The Case of Vale Boi, Portugal. *Quaternary International* **318**, 102–116.
24. Cascalheira, J and N Bicho (2013). Hunter-Gatherer Ecodynamics and the Impact of the Heinrich Event 2 in Central and Southern Portugal. *Quaternary International* **318**, 117–127.
25. Pereira, T, J Cascalheira, J Marreiros, F Almeida, and N Bicho (2013). Variation in Quartzite Exploitation during the Upper Palaeolithic of Southwest Iberian Peninsula. *Trabajos de Prehistoria* **69**, 232–256.
26. Manne, T, J Cascalheira, M Évora, J Marreiros, and N Bicho (2012). Intensive Subsistence Practices at Vale Boi, an Upper Paleolithic Site in Southwestern Portugal. *Quaternary International* **264**, 83–99.

27. Cascalheira, J, N Bicho, J Marreiros, T Pereira, M Évora, M Cortés Sánchez, JF Gibaja, T Manne, F Regala, C Gonçalves, and P Monteiro (2012). Vale Boi (Algarve, Portugal) and the Solutrean in Southwestern Iberia. *Espacio, Tiempo y Forma* **5**, 455–467.

## OTHER ARTICLES

1. Cascalheira, J, N Bicho, C Gonçalves, D Garcia-Rivero, and P Horta (In press). Of Space and Time: The Non-Midden Components of the Cabeço Da Amoreira Mesolithic Shellmound (Muge, Central Portugal). In: *Proceedings of the 9th International Conference on the Mesolithic of Europe*. Belgrade.
2. Bicho, N and J Cascalheira (In press). The Use of Lithic Assemblages for the Definition of Short-Term Occupations in Hunter-Gatherer Prehistory. *Short-term occupations in Paleolithic Archaeology*. Interdisciplinary Contributions to Archaeology. Springer Nature. Ed. by A Picin and J Cascalheira.
3. Cascalheira, J (In press). Territoriality and the Organization of Technology during the LGM in Southern Iberia. *PLoS ONE*.
4. Picin, A and J Cascalheira (In press). Introduction to Short-Term Occupations in Paleolithic Archaeology. *Short-term occupations in Paleolithic Archaeology*. Interdisciplinary Contributions to Archaeology. Springer Nature. Ed. by A Picin and J Cascalheira.
5. Cascalheira, J, I Schmidt, and N Bicho (2018). 3.º Congresso Internacional sobre o Solutrense. *Al-Madan* **22**, 4.
6. Tátá, F, N Bicho, F Carvalho, J Cascalheira, C Gonçalves, R Luís, V Luís, R Mergulho, B Oliveira, P Pacheco, R Parreira, LM Paulo, MJ Pinto, J Regala, A Santos, and C Veiga-Pires (2018). On Charles Bonnet's Path. Classic Caves of the Algarve Revisited – Part I. Poço Dos Mouros, Igreja dos Soidos, Caverna Do Guiné, Abismo and Ibn Ammar Caves. *Trogle* **7**, 36–105.
7. Belmiro, J, J Cascalheira, and N Bicho (2017). O Início Do Último Máximo Glacial No Sul de Portugal: Novos Dados a Partir Do Sítio Arqueológico de Vale Boi. In: *Arqueologia Em Portugal 2017: Estado Da Questão*. II Congresso AAP. Lisbon, pp.375–384.
8. Horta, P, J Cascalheira, and N Bicho (2017). Sobre a definição e interpretação das tecnologias líticas bipolares em contextos pré-históricos. In: *Proceedings of the 2nd Conference of Associação dos Arqueólogos Portugueses*. Lisbon: Associação dos Arqueólogos Portugueses, pp.385–392.
9. Varela, J, N Bicho, C Gonçalves, and J Cascalheira (2017). Análise Preliminar Dos Padrões de Localização Das Grutas Com Arqueologia Do Centro e Sul de Portugal. In: *Proceedings of the 2nd Conference of Associação Dos Arqueólogos Portugueses*. Lisbon, pp.781–794.
10. Marreiros, J, N Bicho, J Gibaja, J Cascalheira, and T Pereira (2016). “Early Gravettian Projectile Technology in Southwestern Iberian Peninsula: The Double Backed and Bipointed Bladelets of Vale Boi (Portugal)”. In: *Multidisciplinary Approaches to the Study of Stone Age Weaponry*. Springer, pp.147–158.
11. Costa, C, C Gonçalves, J Cascalheira, J Marreiros, T Pereira, S Carvalho, AC Valera, and N Bicho (2016). ICAR EHB – Centro Interdisciplinar Para a Arqueologia e Evolução Do Comportamento Humano. Um Novo Polo de Investigação Em Arqueologia. *Al-Madan* **20**(2), 98–101.
12. Umbelino, C, C Gonçalves, O Figueiredo, T Pereira, J Cascalheira, J Marreiros, and N Bicho (2016). Human Burials in the Mesolithic of Muge and the Origins of Social Differentiation: The Case of Cabeço Da Amoreira Portugal. In: *Proceedings of the International Conference on Mesolithic Burials–Rites, Symbols and Social Organisation of Early Postglacial Communities*. Vol. 2, pp.683–692.
13. Cascalheira, J, E Paixão, J Marreiros, T Pereira, and N Bicho (2015). “Preliminary Techno-Typological Analysis of the Lithic Materials from the Trench Area of Cabeço Da Amoreira (Muge, Central Portugal)”. In: *Muge 150th: The 150th Anniversary of the Discovery of Mesolithic Shellmiddens*. Vol. 1. 2 vols. Cambridge Scholars Publishing, pp.119–133.
14. Pereira, T, N Bicho, J Cascalheira, C Gonçalves, J Marreiros, and E Paixão (2015). Raw Material Procurement in Cabeço Da Amoreira. In: *Muge 150th: The 150th Anniversary of the Discovery of Mesolithic Shellmiddens: Volume 1*. Ed. by N Bicho, TD Price, and E Cunha. Vol. 1. Cambridge Scholars Publishing, pp.147–160.
15. Bicho, N, R Dias, T Pereira, J Cascalheira, J Marreiros, V Pereira, and C Gonçalves (2015). O Mesolítico e o Neolítico Antigo: O Caso Dos Concheiros de Muge. In: *Proceedings of the 5º Congresso Do Neolítico Peninsular*. Lisbon: UNIARQ, pp.631–638.
16. Cascalheira, J, C Gonçalves, and N Bicho (2014). Smartphones and the Use of Customized Apps in Archaeological Projects. *The SAA Archaeological Record* **14**, 20–25.
17. Figueiredo, O, J Cascalheira, J Marreiros, T Pereira, C Umbelino, and N Bicho (2014). “Funerary Contexts: The Case Study of the Mesolithic Shellmiddens of Muge (Portugal)”. In: *Wild Things: Recent Advances in Palaeolithic and Mesolithic Research*. Ed. by F Foulds, H Drinkall, A Perri, and D Clinnick. Oxford: Oxbow Books, pp.119–125.
18. Bicho, N, C Gonçalves, and J Cascalheira (2014). Os Concheiros de Muge e a Evolução Do Mesolítico Português. *Revista cultural do Concelho de Salvaterra de Magos* **1**, 5–18.
19. Monteiro, P, J Cascalheira, J Marreiros, T Pereira, and N Bicho (2014). “Fire as a Componente of Mesolithic Funerary Rituals: Charcoal Analyses from a Burial in Cabeço Da Amoreira (Muge, Portugal)”. In: *Wild Things: Recent Advances in Palaeolithic and Mesolithic Research*. Ed. by F Foulds, H Drinkall, A Perri, and D Clinnick. Oxford: Oxbow Books.
20. Cascalheira, J (2013). “A Influência Mediterrânica Nas Redes Sociais Do Solutrense Final Peninsular”. Ph.D. thesis. Faro: Universidade do Algarve.

21. Cascalheira, J (2013). O Solutrense Em Portugal: Novidades Do Século XXI. In: *Arqueologia Em Portugal - 150 Anos (Atas Do I Congresso Da Associação Dos Arqueólogos Portugueses)*. Ed. by J Arnaud, A Martins, and C Neves. Lisbon: Associação dos Arqueólogos Portugueses, pp.269–276.
22. Bicho, N, T Pereira, C Gonçalves, J Cascalheira, J Marreiros, and R Dias (2013). Os Últimos Caçadores-Recolectores Do Vale Do Tejo: Novas Perspectivas Sobre Os Concheiros de Muge. In: *Setúbal Arqueológica (Proceedings of the International Conference on the Prehistory of Wetlands)*. Vol. 14. Setúbal: MAEDS/ADS, pp.57–68.
23. Dias, R, J Cascalheira, C Gonçalves, C Detry, and N Bicho (2013). Preliminary Analysis of the Spatial Relationships between Faunal and Lithic Remains on the Mesolithic Shellmidden of Cabeço Da Amoreira (Muge, Portugal). In: *Proceedings of the International Conference Environmental Change and Human Interaction in the Western Atlantic Façade*. Coimbra: APEQ, pp.159–164.
24. Marreiros, J, J Cascalheira, and N Bicho (2012). “Flake Technology from the Early Gravettian of Vale Boi (Portugal)”. In: *Flakes Not Blades: The Role of Flake Production at the Onset of the Upper Palaeolithic in Europe. Wissenschaftliche Schriften Des Neanderthal Museums*. Vol. 5, pp.11–23.
25. Bicho, N, J Cascalheira, and J Marreiros (2012). “On the (L)Edge: The Case of Vale Boi Rockshelter (Algarve, Southern Portugal)”. In: *Caves in Context - The Cultural Significance of Caves and Rockshelters in Europe*. Ed. by KA Bergsvik and R Skeates. Oxbow Books.
26. Cascalheira, J and C Gonçalves (2012). Spatial Density Analysis and Site Formation Processes at the Mesolithic Shellmidden of Cabeço Da Amoreira (Muge, Portugal). In: *Proceedings of the IV Jornadas de Jovens Em Investigação Arqueológica*. Vol. 1. Universidade do Algarve, pp.75–82.
27. Cascalheira, J (2012). Review of 'Lombera Hermida and Ramón Fábregas Valcarce. *PaleoAnthropology*, 239–241.
28. Bicho, N, J Cascalheira, J Marreiros, and T Pereira (2011). The 2008-2010 Excavations of Cabeço Da Amoreira, Muge, Portugal. *Mesolithic Miscellany* **21**, 3–13.
29. Gibaja, J, J Marreiros, J Cascalheira, A Palomo, AF Carvalho, and M Rojo (2011). Análisis Traceológico Del Utilaje Lítico Documentado En El Asentamiento Neolítico de Zafrín (Islas Chafarinas). Configuración de Un Programa Experimental Dirigido al Reconocimiento Del Uso de Los Perforadores. In: *Proceedings of the II Congreso Internacional de Arqueologia Experimental*, pp.123–129.
30. Bicho, N, J Cascalheira, J Marreiros, and T Pereira (2011). “The Upper Paleolithic of Southern Portugal: 2006-2011”. In: *Bilan Quinquenal UISPP 2006-2011*.
31. Bicho, N and J Cascalheira (2011). A Arqueologia Como Ciência Tecnológica. *UALgazine* **5**, 4–5.
32. Bicho, N, T Manner, J Cascalheira, C Mendonça, M Évora, T Pereira, and JFG Bao (2010). O Paleolítico Superior Do Sudoeste Da Península Ibérica: O Caso Do Algarve. In: *El Paleolítico Superior Peninsular: Novedades Del Siglo XXI: [Homenaje al Profesor Javier Fortea]*. Universitat de Barcelona, pp.219–238.
33. Bicho, N, T Manne, J Marreiros, J Cascalheira, C Mendonça, M Évora, J Gibaja, and T Pereira (2010). “O Paleolítico Superior Do Sudoeste Da Península Ibérica: O Caso Do Algarve”. In: *El Paleolítico Superior Peninsular. Novedades Del Siglo XXI*. Universitat de Barcelona, pp.215–234.
34. Bicho, N, T Pereira, J Cascalheira, J Marreiros, V Pereira, L Jesus, and C Gonçalves (2010). “Cabeço Da Amoreira, Muge: Resultados Dos Trabalhos de 2008 e 2009”. In: *Promontoria Monográfica 15 (Os Últimos Caçadores-Recolectores e as Primeiras Comunidades Produtoras Do Sul Da Península Ibérica e Do Norte de Marrocos)*. Faro: Universidade do Algarve, pp.11–17.
35. Marreiros, J, J Cascalheira, J Gibaja, and N Bicho (2009). Caracterización de La Industria Gravetiense y Solutrense de Vale Boi (Algarve, Portugal). In: *Proceedings of the IV Encontro de Arqueologia Do Sudoeste Peninsular*.
36. Cascalheira, J (2009). Tecnologia Lítica Solutrense Do Abrigo de Vale Boi (Algarve, Portugal): Resultados Preliminares. In: *Proceedings of the I Jornadas de Jovens En Investigacion: Dialogando Con La Cultura Material*. Vol. 1. Madrid: Compañía Española de Reprografía y Servicios, S.A.
37. Cascalheira, J, J Marreiros, and N Bicho (2008). As Intervenções Arqueológicas de 2006 e 2007 No Sítio Paleolítico de Vale Boi. In: *Xelb. Actas Do 5º Encontro de Arqueologia Do Algarve*. Vol. 8, pp.26–36.

## Conference participation

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### ORAL COMMUNICATIONS

1. Cascalheira, J, C Gonçalves, and N Bicho (2019). “Assessing the Spatial Patterning of Middle Paleolithic Human Settlement in Westernmost Iberia”. SAA 2019 (Albuquerque, US).
2. Horta, P, J Cascalheira, and N Bicho (2019). “Neanderthal Ecological Niche in Iberia’s Southwestern Edge: New Data from the Gruta Da Companheira Site”. SAA 2019 (Albuquerque, US).
3. Haws, J, M Benedetti, L Friedl, N Bicho, M Carvalho, J Cascalheira, G Ellis, B Zinsious, I Benedetti, and S Talamo (2019). “Modern Human Dispersal into Western Iberia: The Early Aurignacian of Lapa Do Picareiro, Portugal”. ESHE 2019 (Liège, BE).
4. Haws, J, M Benedetti, J Cascalheira, N Bicho, M Carvalho, G Ellis, B Zinsious, and L Friedl (2019). “Human Adaptive Responses to Abrupt Climate Change in Western Iberia during MIS 3 and 2”. INQUA 2019 (Dublin, IR).

5. Haws, J, M Benedetti, T Pereira, N Bicho, J Cascalheira, and L Friedl (2019). "Human Adaptive Responses to Climate and Environmental Change during the Gravettian of Lapa Do Picareiro (Portugal)". World of Gravettian Hunters 2019 (Krakow, PL).
6. Bicho, N, J Cascalheira, and J Haws (2019). "Neandertais e Homens Anatomicamente Modernos No Centro e Sul de Portugal". 2º Colóquio Internacional - História Das Ideias e Dos Conceitos Em Arqueologia (Oeiras).
7. Gomes, A, D Moura, N Bicho, S Connor, M Raja, J Haws, M Achimo, B Zinsious, E Skosey-Lalonde, C Gonçalves, S Oliveira, R Matias, P Fernandes, S Costas, and J Cascalheira (2019). "Southern Hemisphere Climate Changes Studies: A Contribution for Climate Risk Management and Resilience". 4th European Climate Change Adaptation Conference (Lisbon, PT).
8. Raja, M, N Bicho, J Haws, J Cascalheira, E Skosey-Lalonde, B Zinsious, M Carvalho, M Benedetti, I Benedetti, C Gonçalves, M Achimo, and A Gomes (2019). "Deciphering Sediments in Archaeological Context: Inferences on the Palaeoenvironmental Changes and the Site Formation Processes in the Middle and Late Stone Age, Txina-Txina, Massingir (Mozambique)". Paleoanthropology Society Meeting (Albuquerque, US).
9. Haws, J, M Benedetti, M Carvalho, I Benedetti, B Zinsious, N Bicho, J Cascalheira, and L Friedl (2018). "Seeing Short-Term Human Occupations in the Palimpsests of Deeply Stratified Caves: An Example from Lapa Do Picareiro (Portugal)". UISPP 2018 (Paris, FR).
10. Haws, J, M Benedetti, M Carvalho, N Bicho, J Cascalheira, and L Friedl (2018). "Understanding Human Adaptive Responses to Abrupt Climate Change in Western Iberia during MIS 3 and 2 Using Multi-Scale Archaeological, Palaeoenvironmental, and Paleoclimate Records." UISPP 2018 (Paris, FR).
11. Gomes, A, M Raja, N Bicho, J Haws, D Moura, M Achimo, B Zinsious, E Skosey-Lalonde, C Gonçalves, R Matias, J Cascalheira, S Connor, and S Oliveira (2018). "Palaeoenvironmental Changes in Mozambique". African Science and Art Conference (Faro, PT).
12. Horta, P, J Cascalheira, and N Bicho (2017). "Sobre a Definição e Interpretação Das Tecnologias Líticas Bipolares Em Contextos Pré-Históricos". II Congresso Dos Arqueólogos Portugueses (Lisbon, PT).
13. Cascalheira, J and N Bicho (2017). "Territoriality and the Organization of Technology during the LGM in Southern Iberia". 3rd International Conference on the Solutrean (Faro, PT).
14. Abrunhosa, A, J Cascalheira, A Pérez-González, JL Arsuaga, and E Baquedano (2017). "The Use of Digital Mobile Technologies for Geoarchaeological Survey: The Examples of the Pinilla Del Valle Raw Materials Project". 12th International Conference of Archaeological Prospection (Bradford, UK).
15. Bicho, N and J Cascalheira (2017). "A Critical Review of the Meaning of Short-Term Occupation in Early Prehistory". SAA 2017 (Vancouver, CA).
16. Gomes, A, E Skosey-Lalonde, B Zinsious, C Gonçalves, N Bicho, M Raja, J Cascalheira, and J Haws (2017). "Environmental Changes on the Mozambican Coast, during the Holocene". IX Iberian Quaternary Meeting/African Science and Art Conference (Faro, PT).
17. Gomes, A, E Skosey-Lalonde, B Zinsious, C Gonçalves, N Bicho, M Raja, J Cascalheira, and J Haws (2017). "Palaeoenvironmental Reconstructions on the Mozambique Coast as a Tool to Understand Human Evolution: From Modern Analogues to Borehole Interpretation". European Geosciences Union General Assembly (Vienna, AU).
18. Bicho, N, J Cascalheira, J Haws, C Gonçalves, and M Raja (2016). "Middle Stone Age Technologies in Mozambique: Preliminary Results". ESHE 2016 (Madrid, ES).
19. Cascalheira, J and N Bicho (2016). "Changing Weapons in a Mutable Landscape: Exploring the Relationship between Upper Paleolithic Weaponry Variability and Drastic Environmental Changes in Western Europe". SAA 2017 (Orlando, US).
20. Haws, J, N Bicho, C Gonçalves, J Cascalheira, T Pereira, J Marreiros, B Zinsious, M Raja, O Madime, and M Benedetti (2016). "New Data on Stone Age Archaeology South of the Rio Save, Mozambique". 23 Biennial Meeting of the Society of Africanist Archaeologists. What Past for Africa? (Toulouse, FR).
21. Taylor, R, D García-Rivero, J Cascalheira, and N Bicho (2016). "Technological Diversity of the Early Neolithic Pottery of Muge (Portugal): The Case Study of Cabeço Da Amoreira (Excavations from 2008 to 2014)". Raw Materials Exploitation in Prehistory: Sourcing, Processing and Distribution (Faro, PT).
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52. Cascalheira, J, N Bicho, J Marreiros, and T Pereira (2011). "Dating the Early Upper Paleolithic of Southwestern Iberia: The Case of Vale Boi". ESHE 2011 (Leipzig, DE).
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54. Dias, R, J Cascalheira, C Gonçalves, C Detry, and N Bicho (2011). "Preliminary Analysis of the Spatial Relationships between Faunal and Lithic Remains on the Mesolithic Shellmidden of Cabeço Da Amoreira (Muge, Portugal)". IV Jornadas Do Quaternário – APEQ (Coimbra, PT).
55. Pereira, T, N Bicho, J Cascalheira, J Marreiros, J Gibaja, and J Haws (2011). "The Impact of Raw Material Availability in the SW Iberian Paleolithic". ESHE 2011 (Leipzig, DE).

56. Pereira, T, N Bicho, J Cascalheira, J Marreiros, J Gibaja, and J Haws (2011). "Differences in the Management of Raw Material in the Upper and Middle Paleolithic in SW Iberia". UKAS 2011 (Reading, UK).
57. Cascalheira, J, C Gonçalves, and N Bicho (2011). "Shellmiddens as a Landmark: Visibility Analysis in the Mesolithic of Muge Valley (Central Portugal)". UKAS 2011 (Reading, UK).
58. Bicho, N, T Manne, J Marreiros, J Cascalheira, T Pereira, F Tátá, M Évora, and C Gonçalves (2011). "A Tale of Two Seas: Upper Paleolithic Ecology in Vale Boi, Southwestern Algarve (Portugal) and the Arrival of the First Modern Humans to Southwestern Iberia". INQUA 2011 (Bern, CH).
59. Bicho, N, T Pereira, J Cascalheira, J Marreiros, C Gonçalves, and R Dias (2011). "The Chronology of the Mesolithic Occupation of the Muge Valley, Central Portugal". INQUA 2011 (Bern, CH).
60. Marreiros, J, J Cascalheira, and N Bicho (2011). "Flake Production in the Early Upper Paleolithic Assemblages of Vale Boi (Southern Portugal)". Flakes Not Blades - Discussing the Role of Flake Production at the Onset of the Upper Palaeolithic (Mettman, DE).
61. Jesus, L, J Marreiros, J Cascalheira, J Gibaja, T Pereira, and N Bicho (2010). "Occupation, Functionality and Culture. Preliminary Results from Microliths Technology and Use-Wear Analysis of Cabeço Da Amoreira (Muge, Portugal)". MESO 2010 (Santander, ES).
62. Cascalheira, J, J Marreiros, and M Évora (2010). "From Gravettian to Solutrean in Southwestern Iberia: A Technological Perspective". Paleoanthropological Society Annual Meeting (Saint Louis, US).
63. Bicho, N, T Manne, J Marreiros, J Cascalheira, F Tátá, J Gibaja, M Évora, and C Gonçalves (2010). "On the Edge: The Upper Paleolithic from Vale Boi, Algarve, Portugal and the Arrival of the First Modern Humans to Southwestern Iberia". Paleoanthropological Society Annual Meeting (Saint Louis, US).

## Active Research Projects

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### AS PRINCIPAL INVESTIGATOR AND CO-INVESTIGATOR

- 2020- Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by the Wenner-Gren Foundation
- 2018- The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Co-PI with Nuno Bicho. Funded by Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-27833
- 2018- Discovering ancient societies in central Portugal: the Muge shellmiddens. Co-PI with Célia Gonçalves, Lino André and Nuno Bicho. Funded by the Earthwatch Institute
- 2018- Investigating the Earliest anatomically modern human occupation in western Algarve. Co-PI with Nuno Bicho. Funded by the Institute for Field Research
- 2017- Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by the Archaeological Institute of America

### AS PROJECT COLLABORATOR

- 2018- The Muge Shellmiddens Project: A new portal to the last hunter-gatherers the Tagus valley, Portugal. PI: Célia Gonçalves. Funded by the Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-29680
- 2018- Climate change during the Quaternary in Inhambane, Southwestern Mozambique, and its role in human evolution. PI: Ana Gomes. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HAR-ARQ/28148/2017
- 2017-18 Middle and Late Stone Archaeology in Machampane Valley, Limpopo River basin, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society
- 2016- Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. PI: Jonathan Haws. Funded by Fundação para a Ciência e Tecnologia
- 2015-16 Middle Stone Age Archaeology survey in the Limpopo and Elephant rivers valleys, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society/Waitt - W-373-15
- 2013-15 Middle Stone Age archaeology and the origins of modern humans in Southern Mozambique. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/EPH-ARQ/4998/2012
- 2013-2015 GIS predictive modeling for the discovery of new Mesolithic sites in Central Portugal. PI: Célia Gonçalves. Funded by the Calouste Gulbenkian Foundation
- 2012-14 The last Neanderthals and the emergence of Modern Humans in Southwestern Iberia. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia
- 2011-12 On the edge: The first Modern Humans in Southwestern Iberia and the extinction of Neanderthals. PI: Nuno Bicho. Funding: Wenner-Gren Foundation
- 2012-14 The last hunter-gatherers of Muge (Portugal): the origins of social complexity. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HIS-ARQ/112156/2009

## Grants, Awards and Fellowships

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Total awarded ~500,000€

2020-	Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by Wenner-Gren Foundation	18,000€
2018-	The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Funded by Fundação para a Ciência e Tecnologia	240,000€
2018-	Discovering ancient societies in central Portugal: the Muge shellmiddens. Funded by Earthwatch Institute	51,378€
2018-	Investigating the earliest Anatomically Modern Human occupation in Western Algarve. Funded by Institute for Field Research	21,000€
2017-	Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by Archaeological Institute of America	4,467€
2014-19	Portuguese National Science Foundation Post-Doctoral Fellowship	107,280€
2010-13	Portuguese National Science Foundation Ph.D. Fellowship	47,040€
	COST Action TD0902 – Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf. Short	
2012	Term Scientific Mission: The Mediterranean influence in the social networks of the Final Solutrean of Iberia: the cave of Parpalló	1,200€
2010	Paleoanthropology Society – Travel grant to the Paleoanthropology Annual Meeting, May, 2010, St. Louis, US	400€
2009	University of Algarve – Merit grant	1,350€
2008-09	Portuguese National Science Foundation – Investigation grant within the project PTDC/HAH/64185/2006 – UcaRVaT – “The last hunter-gatherers in the Tejo valey – the Muge shellmiddens”	8,940€

## Fieldwork

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### AS COORDINATOR

- 2017- Excavations at the Paleolithic site of Gruta da Companheira, Portugal
- 2009- Excavations at the Paleolithic site of Vale Boi, Portugal
- 2009- Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal
- 2013 Excavations at the Mesolithic site of Cabeço da Arruda, Portugal
- 2009 Excavations at the Paleolithic sites of Gruta Nova da Columbeira and Lapa do Suão, Portugal

### AS INVITED SPECIALIST

- 2016- Survey and excavations in Mozambique under the project Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. Lithics specialist and field manager. PI: Jonathan Haws
- 2016- Excavations at Dehesilla Cave, Spain. Total station specialist. PI: Daniel Garcia Rivero
- 2013-15 Survey and excavations in Mozambique under the project Middle Stone Age archaeology and the origins of modern humans in southern Mozambique. Lithics specialist and field manager. PI: Nuno Bicho
- 2014-15 Excavations at Picareiro Cave. Total station specialist. PI: Jonathan Haws

### OTHER FIELDWORK

- 2008 Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal. Assistant field manager. PI: Nuno Bicho.
- 2006 Testing at the site of Zavial Rockshelter, Portugal. Excavator. PI: Nuno Bicho.
- 2005-06 Excavations at the Paleolithic site of Vale Boi, Portugal. Assistant field manager. PI: Nuno Bicho
- 2004 Excavations at the Mesolithic site of Barranco das Quebradas, Portugal. Excavator. PI: Maria J. Valente

## Extension and knowledge dissemination

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### STUDENT SUPERVISION

- 2017- Joana Belmiro (M.A. dissertation, University of Algarve, Portugal)
- 2017- Pedro Horta (Ph.D. thesis, University of Algarve, Portugal)
- 2017 Joana Belmiro (Undergrad. dissertation, University of Algarve, Portugal)
- 2014-15 Pedro Horta (M.A. dissertation, University of Algarve, Portugal)

### INVITED SEMINARS

- 2017 “Evolução humana e a tecnologia dos instrumentos em pedra”. Universidade de Coimbra, Coimbra, Portugal, Universidade de Coimbra, Coimbra, PT.
- 2017 “Neanderthal to Modern Humans: the transition in Portugal”. Algarve Archaeological Association, São Brás de Alportel, PT
- 2016 “Prehistoric Hunter-Gatherer Adaptations in Southwestern Iberia and Mozambique”. Max Planck Institute for the Science of Human History, Jena, DE
- 2016 “The end of the Middle Paleolithic and the arrival of anatomically modern humans to Southwestern Iberia”. Max Planck Institute, Leipzig, DE (with Nuno Bicho)
- 2016 “Recent developments in the analysis of lithic technology”. University of Seville, ES
- 2015 “Laboratorial techniques for the analysis of lithic industries”. University Eduardo Mondlane, Maputo, MZ
- 2014 “Abrupt climate change and human adaptations”. University Eduardo Mondlane, Maputo, MZ
- 2014 “Stone Age archaeology in the Niassa region, Mozambique. Preliminary results from the 2014 campaign”. Geographical Society of Lisbon, Lisbon, PT (with N. Bicho, J. Haws, O. Madime, C. Gonçalves, V. Aldeias, and M. Benedetti)
- 2014 “Human responses to environmental change: the case of the Portuguese Upper Paleolithic”. National Museum of Archaeology, Lisbon, PT
- 2014 “The mediterranean influence on the social networks of the Solutrean in Iberia”. National Museum of Archaeology, Lisbon, PT

## CONFERENCES/SYMPOSIA ORGANIZED

- 2018 “European Society for Human Evolution Annual Meeting”. University of Algarve, Faro, PT
- 2017 “International Congress The Solutrean”. With Isabell Schmidt, Nuno Bicho and Gerd-Christian Weniger. University of Algarve, Faro, PT
- 2016 “Symposium Global perspectives on the impact of abrupt climate change in hunter-gatherer-technologies”. With Nuno Bicho. SAA 2016, Orlando, USA
- 2015-2017 Conference cycle “Arqueologia às 6”. Organized by ICArEHB. Faro, PT
- 2012 “Symposium Solutrean points: past and present”. With Juan Gibaja Bao. At the International Conference El Solutrense. Almería, ES
- 2011 “IV International Conference of Young Researchers in Archaeology (JIA 2011)”. University of Algarve, Faro, PT
- 2010 “Session Demographic processes and cultural change: archaeological perspectives”. III International Conference of Young Researchers in Archaeology (JIA 2010). Barcelona, ES

## WORKSHOPS AND EXHIBITIONS ORGANIZED

- 2016 Workshop “Data Analysis and R Statistics”. University of Algarve, Faro, PT
- 2016 Exhibition “The Prehistoric Origins of the Algarve”. Organized by ICArEHB and Centro de Ciência Viva do Algarve. Faro, Tavira, Lagos and Vila do Bispo. PT
- 2014 Exhibition “At the End of the World 30 thousand years ago: the prehistoric hunter-gatherers of Vale Boi”. Organized by ICArEHB. Vila do Bispo, PT
- 2011 Workshop “Total Station in Archaeology”. University of Algarve, PT. Promoted by NAP
- 2011 Exhibition “On the margins of the past: the Muge shell middens”. Salvaterra de Magos, PT. Organized by NAP
- 2010-14 Conferences “Arqueologia ao Sul”. University of Algarve, Faro, PT. Organized by NAP
- 2010 Workshop “Analysis of Lithic Industries” (University of Algarve, Faro, PT. Promoted by NAP
- 2010 Workshop “NESPOS On Tour”. University of Algarve, Faro PT. Promoted by NAP

## Additional Training

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- Workshop *Data Analysis and R Statistics*. University of Algarve, Faro, PT.
- Workshop *EVAN Toolbox*. Max Planck Institute for Evolutionary Anthropology, Leipzig, DE.
- Workshop *NESPOS on Tour*. University of Algarve, Faro, PT.
- Workshop *Understanding tool use, multidisciplinary perspectives on the cognition and ecology of tool using behaviors*. Max Planck Institute for Evolutionary Anthropology, Leipzig, DE.
- Workshop *Tools in organic materials: methods of analysis*. CSIC, Barcelona, ES.
- Workshop *Advanced SPSS applications*. University of Algarve, Faro, PT.
- Workshop *Functional studies in non-siliceous rocks*. Lisbon, PT.

## Reviewer for academic journals

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- PLoS ONE

- Journal of Human Evolution
- Advances in Archaeological Practice
- Journal of Archaeological Science: Reports
- Quaternary International
- Journal of Paleolithic Archaeology
- African Archaeological Review

## Professional memberships

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- European Society for the Study of Human Evolution
- Society for American Archaeology
- Paleoanthropology Society
- Archaeological Institute of America

## Editorial boards

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- Cambridge Scholars Publishing – Archaeology Advisory Board

## Languages

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- Portuguese (native)
- English (proficient)
- Spanish (conversational)