

Arnau Garcia-Molsosa

Ramón y Cajal fellow

Catalan Institute of Classical Archaeology

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POSITIONS

2023-2027: Ramon y Cajal fellow, Catalan Institute of Classical Archaeology

2020-2022: Beatriu de Pinós - Marie Skłodowska-Curie cofund program fellow, Catalan Institute of Classical Archaeology

2018-2019: Marie Skłodowska-Curie Fellow, McDonald Institute for Archaeological Research

2017: Post-Doctoral researcher, University of Balearic Islands

2016-2017: IEMA Post-Doctoral Scholar and Adjunct Instructor, Institute for European and Mediterranean Archaeology. State University of New York – University at Buffalo

2013-2015: Post-Doctoral Researcher, Catalan Institute of Classical Archaeology.

Non-Stipendiary positions

2021- : Visiting lecturer at the Department of History and Art History, Universitat Rovira i Virgili (Spain).

2020- : Affiliated Researcher. University of Kerala (India).

2018-2019: Postdoctoral Research Associate. Queens' College. University of Cambridge (UK)

EDUCATION

2013: PhD in Archaeology with honours (*Cum Laude & Doctor Europeus*). Universitat Rovira i Virgili. Thesis: *Archaeology of the cultural landscapes of Montseny Massif. Historical dynamics from the Prehistory to the Early Middle Ages* (<http://hdl.handle.net/10803/290993>).

2013: Postgraduate studies in Geographic Information Systems. Universitat Oberta de Catalunya.

2008: Master in Classical Archaeology. Universitat Rovira i Virgili & Universitat Autònoma de Barcelona.

2005: B. A. History. Universitat de Barcelona.

RESEARCH EXPERIENCE

Direction of funded research projects

MEDLANDS (PID2024-159127NB-I00): *Genesis of transmediterranean cultural landscapes: A multidisciplinary study of how the Greek colonial endeavour transformed land-use and socio-environmental interactions*. Funding: Spanish National R&D program (239.450€). PI: Garcia-Molsosa, A., & Mayoral, A. 2025-2028

ΔΙ.Π.Α.Ξ. Διεπιστημονικό πρόγραμμα διερεύνησης του αρχαιολογικού τοπίου στην περιοχή των Αβδήρων και Ξάνθης (DIPAX: Landscape Archaeology Interdisciplinary research program in the region of Abdera and Xanthi). Greek Ministry of Culture. PIs: Chrysafi, M., Garcia-Molsosa, A., Mayoral, A., Ejarque, A., Kefalidou, E., & Georgiadis, M. 2025-2029.

RYC2021-034341-I: *Ramon y Cajal Fellowship (Research line: Innovative approaches to surface archaeological record for historical landscape analysis)*. Funding Institution: Spanish Ministry of Science (236.350,00€). Host Institution: Institut Català d'Arqueologia Clàssica. PI: A. Garcia-Molsosa. 2023-

MoundArch (DEM OTHER3598): *Testing large-scale detection of mounded archaeological features and geomorphological signatures in the cultural landscapes of Northern Greece*. Funding Institution: German Space Agency (DLR), (TanDEM-X for a market value c. 1.030.000€). Host Institution: Institut Català d'Arqueologia Clàssica. PI: A. Garcia-Molsosa. 2022-

TrackSherd (2018 BP 00208): *Towards an automated archaeological surface survey: Development of Machine and deep learning-based methods for automated identification and classification of potsherds in subcentimetric drone-acquired imagery*. Funding: Beatriu de Pinós – MSCA Co-Fund programme BP3-801370 (AGAUR & European Commission: €144.300,00). Host Institution: Catalan Institute of Classical Archaeology. PI: A. Garcia-Molsosa. 2020-2022.

GAP: Grevena Archaeological Project. Host Institution: Ephorate of Antiquities of Grevena (Hellenic Ministry of Culture). PI: M. Georgiadis; S. Dimaki; A. Garcia-Molsosa; A. Mayoral & G. Apostolou. 2021-

WaMStrIn (H2020-MSCA-IF-2016-746446): *Water Management Strategies and Climate Change and Indus*. Funding: Marie Skłodowska-Curie Actions Individual Fellowship (European Commission: €183.454,80). Host Institution: University of Cambridge. PI: A. Garcia-Molsosa. 2018-2019.

AP31/19-AP31/20: *Projecte d'investigació, transferència de coneixement i posada en valor de l'antiga capella de Sant Julià de Valldaneu. Fases I (2019) i II (2020)*. XIV (2019) i XV (2020) convocatòria d'ajuts per a projectes d'investigació o de difusió cultural (Institut Ramon Muntaner: 3.950€). Host Institution: Ajuntament (City Council) of Sant Martí de Centelles. PI: A. Garcia-Molsosa; F.C. Conesa & J. Oliver. 2019.

CLT009/18/00096: *L'Alt Congost entre l'Antiguitat Tardana i l'Alta Edat Mitjana: Recerca arqueològica, transferència de coneixement i proposta de socialització de resultats. ("Alt Congost" between Late Antiquity and Early Middle Ages: Archaeological Research, transfer of Knowledge and scientific socialization)*. Funding: Programa de

Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya; Ajuntament d'Aiguafreda; Ajuntament de Sant Martí de Centelles: 26.882,90€). Host Institution: Catalan Institute of Classical Archaeology. PI: A. Garcia-Molsosa & J. Ciurana. 2018-2021.

Webpage dedicated to local heritage: A la recerca dels paisatge garriguencs desapareguts: El llac de la Garriga. (<http://www.cdh.lagarriga.cat/contingut/introduccio-la-recerca-dels-paisatges-garriguencs-desapareguts-el-llac-de-la-garriga>). Funding: Ajuntament (City Council) of la Garriga (10.651,30€). Host Institution: Institut Català d'Arqueologia Clàssica. PI: A. Garcia-Molsosa. 2017.

2016-2017 *IEMA Postdoctoral Scholar*. Funding: Institute for European and Mediterranean Archaeology, State University of New York at Buffalo (\$45.000, aprox €37.200). Host Institution: SUNY at Buffalo. PI: A. Garcia-Molsosa. 2016-2017.

2015 *Competitive Post-Doctorate contract in the University of Balearic Islands*. Funding: University of the Balearic Islands – La Caixa Foundation: €65.000. Host Institution: University of the Balearic Islands. PI: A. Garcia-Molsosa. 2016.

CLT 2014/100955: Paisatges culturals de l'Alt Congost. Recerca arqueològica, transferència de coneixement i proposta de socialització dels resultats. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya; Ajuntament d'Aiguafreda; Ajuntament de Sant Martí de Centelles: 36.735,84€). Host Institution: Catalan Institute of Classical Archaeology. PI: A. Garcia-Molsosa. 2014-2017

Elaboration of a book presenting last advances in local history and heritage to the general public: "Història de la Garriga. Dels primers assentaments humans al segle XXI". Funding: Ajuntament (City Council) of la Garriga (25.629,20€). Host Institution: Ajuntament (City Council) of la Garriga. PI: E. Barbé; A. Garcia-Molsosa; J. Oliver & J. Llimargas. 2015.

Formació del paisatge cultural del massís del Montseny. Entre la prehistòria i l'edat mitjana (The formation of Montseny massif Cultural Landscapes. From Prehistory to Early Middle Ages). Funding Institution: Departament de Cultura-Generalitat de Catalunya (6.550€). Host Institution: Institut Català d'Arqueologia Clàssica. PI: A. Garcia-Molsosa. 2009-2013.

Supervision of funded post-doctoral research projects

JDC2022-050110-I: Application of experimental remote sensing for the identification and analysis of cultural heritage. Funding Institution: Spanish Ministry of Science. Program Juan de la Cierva (67,400€). PI: E. Gupta. 2024-2026

IArchMap (HORIZON-MSCA-2021-PF-01. Project number 101067031): Intelligent Archaeological Mapping of Long-Term Settlement in Punjab. 165,312.96€. Funding: Marie Skłodowska-Curie Actions Postdoctoral Fellowship (European Commission: €165,312.96). Host Institution: Institut Català d'Arqueologia Clàssica. PI: Aftab Alam. [Not initiated, the candidate renounced to take a position as Assistant Professor of

Ancient Indian History and Archaeology in the Centre of Advanced Study, Department of History, Aligarh Muslim University]

Participation in research projects:

CLT009/22/00036: *PASToralisme i explotació del medi natural al MONTseny occidental en la transició de l'Antiguitat al món Medieval. Recerca arqueològica, transferència de coneixement i proposta de socialització de resultats*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya; Ajuntament d'Aiguafreda: 24.685,72€). Host Institution: Catalan Institute of Classical Archaeology. PIs: A. Gallego & V. Pescini. 2022-2025

CLT009/22/00034: *Arqueologia del paisatge agrari, ocupació del territori i interaccions socioambientals al Baix Ter (Montgrí-Daró)*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya: 30.595,72€). PIs: J. M. Palet & A. Mayoral. 2022-2025

CLT009/22/00035: *Arqueologia de l'alta muntanya a les capçaleres del Segre – Ter (Cerdanya-Ripollès): territori i paisatge*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya). PIs: V. Pescini & A. Carbonell

CLT009/22/00012: *El territori de Cessetània occidental al primer mil·lenni aC: del bronze final a la romanització*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya). PIs: C. Belarte & J. Canela. 2022-2025

TranScapes (PID2021-127064NB-I00): *Transported Mediterranean landscapes: diachronic integrated study of socio-environmental interactions and land-use changes at both sides of the Mediterranean*. Funding: Spanish National R&D program (Spanish Ministry of Science and Innovation: 106.000€). PIs: J. M. Palet & A. Mayoral. 2022-2025

OBAP: *Oued Beht Archaeological Project*. (OBAP). Funding: University of Cambridge; Institute of Heritage Science, National Research Council (CNR); Institut national des Sciences de l'Archéologie et du Patrimoine in Rabat. PI: Y. Bokbot (INSAP); G. Lucarini (CNR) & C. Broodbank (U. Cambridge). 2021-

MAHSA: *Mapping Archaeological Heritage in South Asia*. Funding: Arcadia Fund grants: \$2.310.934. PI: C. A. Petrie (University of Cambridge). 2020-

Proyecto arqueológico en el Kachchh (India): *Pastoralismo, intercambio y los orígenes de la Civilización del Indo*. Funding: Convocatoria de Ayudas 2020 (Palarq Foundation: €10.000). PI: J.J. García-Granero (CSIC) & F. C. Conesa (ICAC). 2020-

Arqueología del pastoralismo nómada en Mongolia: *Las huellas invisibles de los espacios domésticos*. Funding: Convocatoria de Ayudas 2020 (Palarq Foundation: €7000). PI: N. Égüez (U. de la Laguna). 2020-

LASS: *The Landscape Archaeology of Southwest Sardinia*. Participant institutions: Archaeological Mission of Pani Loriga (Istituto di Studi sul Mediterraneo, Consiglio

Nazionale delle Ricerche), University of Padova, the State University of Florida. PI: E. A. Murphy & T. P. Leppard (The State University of Florida) & A. Roppa (U. of Padova). 2017- 2023

APAX: *Archaeological Project at Abdera and Xanthi*. Funding: Institute for Aegean Prehistory (INSTAP). PI: K. Kallintzi (Ephorate of Antiquities of Xanthi, Hellenic Ministry of Culture); E. Kefalidou (National & Kapodistrian University of Athens); M. Georgiadis (ICAC) & Y. Xydopoulos (University of Thessaloniki). 2015 - 2023

LTNS: *Long time, no see: Land Reclamation and the Cultural Record of Central-Western Plain of Thessaly*. Funding Institution: Institute for Aegean Prehistory. PI: H. A. Orengo (ICAC); A. Krahtopoulou (Ephorate of Antiquities of Karditsa, Hellenic Ministry of Culture) & S. Riera-Mora (University of Barcelona). 2014-

DarkRevisited (PID2019-107605GB-I00): *The Aegean 'Dark Ages' revisited: A novel approach to old debates on agricultural economy and food culture*. Funding: Spanish National R&D program (Spanish Ministry of Science and Innovation). PI: A. Livarda (ICAC). 2020-2022.

DIASur: *Drone-based Intelligent Archaeological Survey*. Funding: Programa de Ayudas a Equipos de Investigación Científica 2019 (BBVA foundation: €74189.69). PI: H. A. Orengo (ICAC). 2020-2021.

TransLands (PGC2018-093734-B-I00): *Transported Mediterranean landscapes: An integrated analysis of long-term land-use dynamics at both sides of the Mediterranean*. Funding: Spanish National R&D program (Ministerio de Ciencia, Innovación y Universidades: €95.590). PI: H. A. Orengo & J. M. Palet (ICAC). 2019-2021.

Patrimonio en Riesgo: *Arqueología del paisaje, teledetección y patrimonio cultural en el marco de la erupción del volcán en La Palma*. Funding Institution: Dirección General del Patrimonio Cultural, Gobierno de Canarias (94/2021-1117123435: €14.900). Host Institution: University of La Laguna. IP: F. C. Conesa (ICAC); Nuria Álvarez (U. of la Laguna). 2021.

CLT009/18/00101: *Arqueologia dels paisatges culturals de muntanya a les capçaleres del Ter i del Segre (Ripollès-Cerdanya)*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya: €11,814.96). PI: J. M. Palet & L. Colominas (ICAC). 2018-2021.

CLT009/18/00097: *Espais agraris i ocupació del territori a la plana de l'Empordà: Arqueologia d'un paisatge cultural*. Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya: €9.217,20). PI: H. A. Orengo (ICAC). 2018-2021.

InterArPa (HAR2015-64636-P): *Interacciones llano-montaña en el NE peninsular: Ocupación y dinámica del territorio en el llano del Empordà y en los Pirineos orientales a partir de la arqueología del paisaje*. Funding: Spanish National R&D program (Ministerio de Economía y Competitividad (MINECO / FEDER/UE): €39,200). PI: J. M. Palet (ICAC). 2016-2019.

Interaccions sociambientals a Addaia des de la prehistòria fins a l'actualitat. La construcció d'un paisatge cultural. Funding: Institut Menorquí d'Estudis. PI: G. Servera (University of the Balearic Islands). 2015-2017.

CLT 2014/100751: *Interaccions socioambientals durant l'Holocè: Estructuració, ocupació i dinàmiques del territori a la conca del Ter a partir de l'arqueologia del paisatge.* Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya: €7.206,90). PI: J. M. Palet (ICAC). 2014-2017.

CLT 2014/100754: *Els orígens del pastoralisme intensiu i la creació de paisatges culturals al nord-est de la Península Ibèrica.* Funding: Programa de Recerca Quadriennal en Arqueologia (Departament de Cultura - Generalitat de Catalunya: €5.007,31). PI: H. A. Orengo & J. M. Palet (ICAC). 2014-2017

TerAmAr (HAR2012-39087-C02-02): *Interacciones socio-ambientales durante el Holoceno: Estructuración, ocupación y dinámicas del territorio en la cuenca del Ter a partir de la arqueología del paisaje.* Funding: Spanish National R&D program (Ministerio de Ciencia). PI: J. M. Palet (ICAC). 2013-2015.

InterAmbAr (CGL2009-12676-C02-02): *Integración de datos paleoambientales y arqueológicos para la interpretación de las interacciones climático-socio-ambientales en una cuenca del NE peninsular durante el Holoceno. II Datos Arqueológicos.* Funding: Spanish National R&D program (Ministerio de Ciencia). PI: J. M. Palet. 2010-2012

Pratiques et mobilités territoriales sur le mont Lozère depuis le Néolithique: Gestion des ressources et services rendus aux sociétés du passé dans une moyenne montagne méditerranéenne. Funding: CNRS & Ministère de la Culture. PI: P. Allée (U de Limoges). 2010-2012.

Avenços en tecnologies SIG per a l'estudi del paisatge agrari romà. Funding: Projecte Batista i Roca. PI: I. Fiz (ICAC). 2009

PUBLICATIONS

Books

Garcia-Molsosa, A. (Ed.). (2023). *Archaeology of Mountain Landscapes Interdisciplinary Research Strategies of Agropastoralism in Upland Regions.* State University of New York Press.

Barbé, E., **Garcia, A.**, Llimargas, J., & Oliver, J. (2015). *Història de la Garriga. Dels primers assentaments humans al segle XXI.* Ajuntament de la Garriga.

Garcia-Molsosa, A., & Molina-Villar, J. J. (2002). *La Garriga: De poble pagès a ciutat residencial.* Contrapunt. Centre d'Estudis i Debats.

Publications in peer-reviewed scientific journals, conference proceedings and volume chapters

Kour, N.; **Garcia-Molsosa, A.**; Orengo, H. A.; and Conesa, F. C. (2026). 'Mapping the Past, Preserving the Future: Integrating Remote Sensing and Geospatial Data with Local Conservation Efforts in Jammu, India: A Case Study of Biyan Tibba'. In *Spatial Narratives of India's Heritage: Integrating Geospatial Analysis in the Humanities*, ed. M.B. Rajani. Singapore: Springer Nature, 179–200. doi:[10.1007/978-981-95-0117-5_10](https://doi.org/10.1007/978-981-95-0117-5_10).

Petrie, C. A., Jabbar, J. A., Abhayan, G. S., Alam, A., Berganzo-Besga, I., Campbell, R., Conesa, F. C., Durrani, M., **Garcia-Molsosa, A.**, Gerrits, P. J., Green, A. S., Green, L. M., De Souza, J. G., Hameed, M., Khan, A. S., Madella, M., Waqar Mushtaq, M., Orengo, H. A., ... Vidyarthi, V. (2025). Hidden in Plain Sight: The Unrecognized Contribution of the Survey of India in the Documentation of Ancient Settlements in Pakistan and India. *Journal of Field Archaeology*, 1–22. <https://doi.org/10.1080/00934690.2025.2572881>

Broas-Planella, A., **Garcia-Molsosa, A.**, Gallego-Valle, A., Ciurana Prast, J., Oliver-Bruy, J., Riera Mora, S., Saña Seguí, M., & Morales Muñoz, A. (2025). Fishing and the Church: Ichthyoarchaeological analyses of the visigothic settlement of Aiguafreda de Dalt site (Catalonia, Spain, 7th c.). *Journal of Archaeological Science: Reports*, 65, 105215. <https://doi.org/10.1016/j.jasrep.2025.105215>

Broodbank, C., Lucarini, G., Bokbot, Y., Benattia, H., Bigoulimen, A., Brucato, A., Farr, L., **Garcia-Molsosa, A.**, Hachami, H., Laoutari, R., Lombardi, L., Marsilio, A., Martin, L., Martínez Sánchez, R. M., Mazzini, I., Morales, J., Pelegrin, J., Radi, M., Rega, F. M., ... Wilkinson, T. (2024). The prehistoric site of Oued Beht, Khémisset, Morocco: An interpretative report on 2021–2022 fieldwork and associated research. *Libyan Studies*, 1-38. <https://doi.org/10.1017/lis.2024.19>

Broodbank, C., Lucarini, G., Bokbot, Y., Benattia, H., Bigoulimen, A., Farr, L., **Garcia-Molsosa, A.**, Hachami, H., Laoutari, R., Lombardi, L., Marsilio, A., Martin, L., Morales, J., Radi, M., Rega, F. M., & Wilkinson, T. (2024). Oued Beht, Morocco: A complex early farming society in north-west Africa and its implications for western Mediterranean interaction during later prehistory. *Antiquity*, 98(401), 1199–1218. <https://doi.org/10.15184/aqy.2024.101>

Apostolou, G., Venieri, K., Mayoral, A., Dimaki, S., **Garcia-Molsosa, A.**, Georgiadis, M., & Orengo, H. A. (2024). Integrating legacy survey data into GIS-based analysis: The rediscovery of the archaeological landscapes in Grevena (Western Macedonia, Greece). *Archaeological Prospection*. <https://doi.org/10.1002/arp.1926>

Mayoral, A., Ejarque, A., **Garcia-Molsosa, A.**, Georgiadis, M., Apostolou, G., Gaertner, V., Kallintzi, C., Kefalidou, E., & Orengo, H. (2024). A city against the current: A reconstruction of Holocene sea-level changes and the evolution of coastal landscapes in ancient Abdera (Thrace, Gr.). *CATENA*, 235, 107638. <https://doi.org/10.1016/j.catena.2023.107638>

Garcia-Molsosa, A., Orengo, H. A., & Petrie, C. A. (2023). Reconstructing long-term settlement histories on complex alluvial floodplains by integrating historical map analysis and remote-sensing: An archaeological analysis of the landscape of the Indus River Basin. *Heritage Science*, 11(1), 141. <https://doi.org/10.1186/s40494-023-00985-6>

Garcia-Molsosa, A. (2023). Mountain Landscapes: The Archaeological perspective. In *Archaeology of Mountain Landscapes. Interdisciplinary Research Strategies of Agro-Pastoralism in Upland Regions* (pp. 1–17). State University of New York Press.

Palet, J. M., Orengo, H. A., **Garcia-Molsosa, A.**, Polonio, T., Ejarque, A., Miras, Y., & Riera, S. (2023). Landscape Archaeology in Eastern Pyrenees high mountain areas (Segre & Ter valleys, Northeast Iberian Peninsula): Human activities in the shaping of Mountain Cultural Landscapes. In *Archaeology of Mountain Landscapes. Interdisciplinary Research Strategies of Agro-Pastoralism in Upland Regions* (pp. 179–196). State University of New York Press.

Kefalidou, E., Georgiadis, A., **Garcia-Molsosa, A.**, Mayoral, A., Orengo, H. A. & Constantina Kallintzi. The Archaeological Project of Abdera and Xanthi (APAX): Preliminary Update (2022) on the Survey Program. In *Surveying Aegean Thrace in the Digital Era. Proceedings of the Workshop Held for the Research Project Archaeological and Geophysical Research at the Peraia of Samothrace (HFRI-FM17-750)*, edited by Amalia Avramidou and Jamieson C. Donati. Komotini, Greece: Democritus University of Thrace. School of Classics and Humanities. Department of Languages, Literature and Culture of the Black Sea Countries, 2023.

Colominas, L., Carbonell, A., Pescini, V., Mayoral, A., Gallego-Valle, A., **Garcia-Molsosa, A.**, Orengo, H. A., & Palet, J. M. (2023). L'arqueologia del paisatge aplicada a l'estudi dels espais altimontans: Experiències a les capçaleres del Ter i del Segre (el Ripollès, la Cerdanya, Andorra). *Treballs d'Arqueologia*, 26, 73-94. <https://doi.org/10.5565/rev/tda.128>

Georgiadis, M., Kallintzi, K., **Garcia-Molsosa, A.**, Orengo, H. A., Kefalidou, E., & Motsiou, P. (2022). The Archaeological Survey at Abdera and Xanthi 2015-2019: Long-term analysis of colonial relations in Thrace. *Archaeological and Anthropological Sciences*, 14 (9), 1-18. <https://doi.org/10.1007/s12520-022-01635-x>

Conesa, F.C., **Garcia-Molsosa, A.**, Angelats, E., & Orengo, H. A. (2022). Cloud-computing procedures for the automated detection and monitoring of archaeological sites, *2022 IEEE Mediterranean and Middle-East Geoscience and Remote Sensing Symposium (M2GARSS)*, Istanbul, Turkey, pp. 118-121, doi:10.1109/M2GARSS52314.2022.9840013

Garcia-Molsosa, A., Orengo, H. A., Lawrence, D., Philip, G., Hopper, K., & Petrie, C. A. (2021). Potential of deep learning segmentation for the extraction of archaeological features from historical map series. *Archaeological Prospection*, 28(2), 187–199. <https://doi.org/10.1002/arp.1807>

Orengo, H. A., **Garcia-Molsosa, A.** (C. A.), Berganzo-Besga, I., Landauer, J., Aliende, P., & Tres-Martínez, S. (2021). New developments in drone-based automated surface survey: Towards a functional and effective survey system. *Archaeological Prospection*, 28(4), 519–526. <https://doi.org/10.1002/arp.1822>

Palet, J. M., **Garcia-Molsosa, A.**, Rodrigo, E., Orengo, H. A., & Ortega, M. J. (2021). Structuration et occupation du territoire dans la plaine littorale d'Empuries à l'Antiquité: Espaces agraires et réseaux centuriés. *MÉDITERRANÉE. Revue Géographique Des Pays Méditerranéens*, 133, 27–44. <https://doi.org/10.4000/mediterranee.13085>

Palet, J. M., Rodrigo, E., & **Garcia-Molsosa, A.** (2021). L'excavació d'espais agraris al territori d'Empuries (nord-oest del massís del Montgrí, Baix Empordà. Campanyes 2016-2018. In J. Burch, R. Buxó, J. Frigola, M. Fuertes, S. Manzano, & M. Mataró

(Eds.), *Quinzenes Jornades d'Arqueologia de les Comarques de Girona (Castelló d'Empúries, Octubre 2020)* (pp. 177–181). Documenta Universitaria.

Colominas, L., Palet, J. M., & **Garcia-Molsosa, A.** (2020). What happened in the highlands? Characterising Pyrenean livestock practices during the transition from the Iron Age to the Roman period. *Archaeological and Anthropological Sciences*, 12(3), 69. <https://doi.org/10.1007/s12520-020-01023-3>

Kallintzi, K., Georgiadis, M., Kefalidou, E., Xydopoulos, Y., Chysaphi, M., Chatziprokopiou, K., Skoulariki, D., Orengo, H. A., & **Garcia-Molsosa, A.** (2020). Αρχαιολογικό Πρόγραμμα Αβδήρων και Ξάνθης (ΑΠΑΞ): Πρώτο έτος της επιφανειακής έρευνας (Archaeological Project at Abdera and Xanthi (APAX): First Year of the Survey). *Το Αρχαιολογικό Έργο Στη Μακεδονία Και Στη Θράκη* 29, 2015, 29, 529–538.

Krahtopoulou, A., Frederick, C., Orengo, H. A., Dimoula, A., Kyrillidou, S., Livarda, A., & **Garcia-Molsosa, A.** (2020). Re-discovering the Neolithic Landscapes of Western Thessaly, Central Greece. In A. Blanco-González & T. L. Kienlin (Eds.), *Current approaches to tells in the prehistoric old world*. Oxbow Books.

Orengo, H. A., Conesa, F. C., **Garcia-Molsosa, A.**, Lobo, A., Green, A. S., Madella, M., & Petrie, C. A. (2020). Automated detection of archaeological mounds using machine-learning classification of multisensor and multitemporal satellite data. *Proceedings of the National Academy of Sciences*, 117(31), 18240–18250. <https://doi.org/10.1073/pnas.2005583117>

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Organization of international meetings and sessions

Session co-organizer (with A., Arciero, R., Bulawka, N. & Kour, N.). 5 May 2025: Follow Rivers: The application of advanced remote sensing, machine learning and modelling in the studies of water management of past societies. Computer Applications and Quantitative Methods in Archaeology (CAA2025), Athens, Greece.

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Berganzo-Besga, I., **Garcia-Molsosa, A.**, & Orengo, H. A. (2025, May 5). PotScan: A Mobile App Workflow for the Automation of Archaeological Surveys for the Detection of Ceramic Fragments using Deep Learning [Talk]. *Computer Applications and Quantitative Methods in Archaeology (CAA2025)*, Athens, Greece.

Garcia-Molsosa, A., Canudas Grabolosa, P., & Mayoral, A. (2025, May 5). Reconstructing the Historical dynamics of the hydrographic network in the region of the ancient Greek colony of Abdera (Thrace, NE gr.) using a Multi-temporal and Multi-source Remote Sensing approach. [Talk]. *Computer Applications and Quantitative Methods in Archaeology (CAA2025)*, Athens, Greece.

Venieri, K., Apostolou, G., **Garcia-Molsosa, A.**, Georgiadis, M., Krahtopoulou, A., & Orengo, H. A. (2025, May 5). 'From the Mountains to the Plains': Surveying diverse cultural landscapes in central and northern Greece using the Qfield mobile phone application [Talk]. *Computer Applications and Quantitative Methods in Archaeology (CAA2025)*, Athens, Greece.

Canudas, P., Mayoral, A., & **Garcia-Molsosa, A.** (2024, June 10-14). An integrated remote sensing approach to palaeogeographic and landscape changes around the

ancient Greek colony of Abdera in coastal Thrace (Northern Greece) [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Garcia-Molsosa, A., Berganzo-Besga, I., Georgiadis, M., Kefalidou, E., Dimakis, N., Motsiou, P., Mayoral, A., Mattuzzi, I., Kallintzi, C., Chrysafi, M., & Orengo, H. A. (2024, June 10). A test for the integration of Micro-topographic reconstructions and Machine Learning-based image analysis for the characterization of archaeological surface record [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Kour, N., Conesa, F. C., Garcia-Molsosa, A., & Orengo, H. A. (2024, June 10). Safeguarding heritage in the outer plains of Jammu: A synergistic endeavour between academia and non-academic communities [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Mattuzzi, I., Georgiadis, M., Kefalidou, E., Palet, J. M., Carbonell, A., Kallintzi, C., Mayoral, A., & **Garcia-Molsosa, A.** (2024, June 10). Trans-Mediterranean Greco-Roman landscapes. An integrated comparative study around Abdera (Greece) and Emporion (Spain) [Poster]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Mayoral, A., **Garcia-Molsosa, A.**, Georgiadis, M., Ejarque, A., Mattuzzi, I., Kallintzi, C., Chrysafi, M., Orengo, H. A., & Palet, J. M. (2024, June 10). Developing interdisciplinary and integrated landscape archaeology approaches in the Aegean: Current state and perspectives of archaeological, geoarchaeological and palaeoenvironmental research around Abdera (Thrace, Greece) [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Palet, J. M., Mayoral, A., Mattuzzi, I., Carbonell, A., & **Garcia-Molsosa, A.** (2024, June 10). Roman road network, centuriated landscape and settlement patterns in the Empordà plain (North- Eastern Catalonia): Archaeomorphology and geoarchaeological research [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Ponsa, D., **Garcia-Molsosa, A.**, Orengo, H. A., Graugés Bellver, G., Cano, P., Romaní, N., & De Solà, G. (2024, June 10). Exploring the automatised classification of pottery wares: Towards a semantic segmentation of hyper- spectral images of Roman assemblages [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Venieri, K., Krahtopoulou, A., **Garcia-Molsosa, A.**, Apostolou, G., Orengo, H. A., Dimoula, A., Saridaki, N., Vliora, E., & Dimakis, N. (2024, June 10). Combining historical aerial photography, cartography and satellite-based data for the detection of sites and archaeological features in the Kambos area (Thessaly, Greece) [Talk]. *Landscape Archaeology Conference (LAC2024)*, Alcalá de Henares, Spain.

Garcia-Molsosa, A. (2024, May 28). Computational Approaches to the Long-term Relationship between Human Societies and the River Morphodynamics in the Alluvial Plains of the Indus Basin [Talk]. *Workshop Recent Advances in Water Management Studies in the Archaeology of Arid Landscapes*, Tarragona, Spain.

Garcia-Molsosa, A., Orengo, H. A., Petrie, C. A., Berganzo-Besga, I., Conesa, F. C., & Kour, N. (2024, April 11). Computational Approaches to the Long-term Relationship

between Human Societies and the River Morphodynamics in the Alluvial Plains of the Indus Basin [Talk]. *Computer Applications and Quantitative Methods in Archaeology (CAA2024)*, Auckland, New Zealand.

Kour, N., Conesa, F. C., **Garcia-Molsosa, A.**, Abbas, T., & Orengo, H. A. (2024, April 11). Mapping across Borders: Archaeological Insights from Remote-based Computational Approaches in North-western India [Talk]. *Computer Applications and Quantitative Methods in Archaeology (CAA2024)*, Auckland, New Zealand.

Mayoral, A., **Garcia-Molsosa, A.**, Ejarque, A., Georgiadis, M., Kallintzi, C., Kefalidou, E., Trasanis, G., Papadopoulos, N., Gaertner, V., Orengo, H. A., & Palet, J. M. (2023, novembre 26). A race to the sea? New geoarchaeological evidence to rethink the history of the ancient Abdera (Gr.) and its harbour [Talk]. *43rd Conference of the Association for Environmental Archaeology*, Tarragona, Spain.

Apostolou, G., Mayoral, A., Venieri, K., Dimaki, S., Georgiadis, M., **Garcia-Molsosa, A.**, & Orengo, H. A. (2023, novembre 25). Holocene alluvial dynamics and human settlement histories in the Xerolakkos catchment (Grevena, GR) [Talk]. *43rd Conference of the Association for Environmental Archaeology*, Tarragona, Spain.

Mayoral, A., **Garcia-Molsosa, A.**, Georgiadis, M., Papadopoulos, N., Kallintzi, C., Kefalidou, E., Trasanis, G., Ejarque, A., Orengo, H. A., & Palet, J. M. (2023, agost 31). A haven in the marshes: An integrated geoarchaeological approach of the Archaic and Classical harbour of ancient Abdera, Thrace, GR. [Talk]. *29th European Association of Archaeologist (EAA) Annual Meeting*, Belfast, UK.

Palet, J. M., Carbonell, A., **Garcia-Molsosa, A.**, Rodrigo, E., Ejarque, A., Mayoral, A., & Orengo, H. A. (2023, agost 31). Archaeomorphological survey, centuriated networks and the shaping of cultural landscapes: A case study in the hinterland of Emporion-Emporiae (North-eastern Catalonia) [Talk]. *29th European Association of Archaeologist (EAA) Annual Meeting*, Belfast, UK.

Carbonell, A., Pescini, V., Colominas, L., Gallego, A., Mayoral, A., **Garcia-Molsosa, A.**, Orengo, H. A., & Palet, J. M. (2023, agost 31). What does a roman do on top of that mountain? Microregional landscape analysis of land-use dynamics in the Eastern Pyrenees [Talk]. *29th European Association of Archaeologist (EAA) Annual Meeting*, Belfast, UK.

Garcia-Molsosa, A., & Mayoral, A. (2023, august 11). Investigating Transported Mediterranean Landscapes: Interdisciplinary analysis of the territories of the Ionian settlements of Abdera (Thrace) and Emporion (Iberia) [Invited talk]. *Talks at the Klazomenai excavation archaeological base*, Urla, Turkey.

Conesa, F. C., Orengo, H. A., **Garcia-Molsosa, A.**, Abhayan, G. S., Rajesh, S. V. (5 April 2023). Mapping Indus Archaeology and Multi-Temporal Land Cover Trends in Semi-Arid Regions' [Talk]. *Computational Applications in Archaeology Conference (CAA2023)*, Amsterdam, Netherlands

Kour, N., Conesa, F. C., **Garcia-Molsosa, A.**, Orengo, H. A. (5 April 2023). Loss of Heritage in Riverine Monsoonal Plains: Integration of Geospatial Legacy Data and Multi-Source Remote Sensing in Jammu, India [Talk]. *Computational Applications in Archaeology Conference (CAA2023)*, Amsterdam, Netherlands

Garcia-Molsosa, A., Orengo, H. A., Georgiadis, M., Dimakis, N., Motsiou, P., Mayoral, A., Kefalidou, E., Kallintzi, K. (4 April 2023). Machine Learning Approaches for a Multi-Scale and Multi-Source Detection and Characterization of Archaeological Sites: The Case of the Funerary Tumuli at Abdera (Thrace, Greece, 6th – 2nd C. BCE, Aprox.) [Talk]. *Computational Applications in Archaeology Conference (CAA2023)*, Amsterdam, Netherlands

Mayoral, A., Ejarque, A., **Garcia-Molsosa, A.**, Georgiadis, M., Apostolou, G., Gaertner, V., Kallintzi, C., Kefalidou, E., Orengo, H. A., & Palet, J. M. (10 September 2022). Waterscapes of Greek colonization: A geoarchaeological approach to socio-environmental interaction and coastal landscape changes around ancient Abdera (Thrace, Gr.) [Talk]. *LAC22-7th Landscape Archaeology Conference*, Iasi. Romania

Garcia-Molsosa, A., Mayoral, A., Orengo, H. A., Kallintzi, C., Georgiadis, M. and Kefalidou, E. (12 September 2022). Integration of Computational Methods in Archaeological Surveys: Experimenting with Digital Approaches in the Context of the Archaeological Project of Abdera and Xanthi (APAX) [Invited talk]. *Workshop Surveying Aegean Thrace in the Digital Era (επιφανειακές Ερευνες Στην Αιγαϊακή Θρακη Στην Ψηφιακή Εποχή)*. Online.

Mayoral, A., Ejarque, A., **Garcia-Molsosa, A.**, Georgiadis, M., Apostolou, G., Gaertner, V., Kallintzi, K., Kefalidou, E., Palet, J. M., & Orengo, H. A. (2022). A geoarchaeological tale of two cities: Palaeogeography, socio-environmental interaction and coastal landscape evolution around ancient abdera (thrace, gr.) [Talk]. *28th Annual Meeting of the European Association of Archaeologists*, Budapest, Hungary.

Georgiadis, M., **Garcia-Molsosa, A.**, Mayoral, A., Orengo, H. A., Ejarque, A., Kefalidou, E., & Kallintzi, K. (2022, July). The Ionian foundations of Abdera: Developing a multidisciplinary approach to explore the construction of colonial landscapes in the Mediterranean [Talk]. *Princeton Athens Center Workshop - Mediterranean Colonial Landscapes*, Athens, Greece.

Petrie, C. A., Orengo, H. A., Green, A. S., **Garcia-Molsosa, A.**, Madella, M., Singh, R. N., Roberts, R., & Abdul-Jabbar, J. (2022, July 4). *A multi-method workflow for carrying out large-scale mapping and surveying in the Indus River basin in South Asia* [Talk]. 25th conference of the European Association for South Asian Archaeology and Art, Barcelona, Spain.

Petrie, C. A., Singh, R. N., Angourakis, A., Alam, A., Bates, J., Baudouin, J. P., Ceccarelli, A., Chakraboti, S., Chakradari, S., Chowdhury, A., Dixit, Y., French, C. A., **Garcia-Molsosa, A.**, Giesche, A., Green, A. S., Green, L. M., Hodell, D. A., Jones, P. J., Lightfoot, E., ... Walker, J. (2022, July 4). *The TwoRains project in 2022* [Talk]. 25th conference of the European Association for South Asian Archaeology and Art, Barcelona, Spain.

Conesa, F. C., **Garcia-Molsosa, A.**, Orengo, H. A., & Angelats, E. (8 March 2022). Cloud-computing procedures for the automated detection and monitoring of archaeological sites [Talk]. *2022 IEEE Mediterranean and Middle-East Geoscience and Remote Sensing Symposium*, Online.

Apostolou, G., Georgiadis, M., Orengo, H. A., **Garcia-Molsosa, A.**, Dimaki, S., Venieri, K., & Mayoral, A. (2021, December 2). Testing a multi-level extensive survey in a semi-

mountainous landscape: The case of Grevena, NW Greece [Talk]. *41st International Mediterranean Survey Workshop*, Montpellier, France.

Apostolou, G., Orengo, H. A., **Garcia-Molsosa, A.**, & Berganzo-Besga, I. (2021, November 6). Artificial Intelligence and the archaeology of Greek landscapes [Talk]. *International Conference of Postgraduate Students of History and Archaeology 'Interpreting Identities in the Eastern Mediterranean and the Black Sea'*, Thessaloniki, Greece (online).

Palet, J. M., Pescini, V., Colominas, L., **Garcia-Molsosa, A.**, & Euba, I. (8 September 2021). Integrated Landscape Research in Ter High Mountain Valleys (eastern Pyrenees, Spain): Livestock, Settlement Dynamics and Land-Use in a Long-Term Perspective [Talk]. *Widening Horizons: 27th Annual Meeting of the European Association of Archaeologists*, Kiel, Germany (Online).

Conesa, F. C., Orengo, H. A., **Garcia-Molsosa, A.**, Green, A. S., & Petrie, C. A. (15 June 2021). Towards Big Earth Data: Cloud-computing workflows for the automated detection and monitoring of endangered archaeological sites [Talk]. *Computational Applications in Archaeology*, Limmassol, Cyprus (Online).

Green, A. S., Orengo, H. A., Alam, A., Conesa, F. C., **Garcia-Molsosa, A.**, Walker, J., Singh, R. N., & Petrie, C. A. (15 June 2021). How many hectares? Combining remote sensing, historical cartography, and survey data to rapidly categorize and assess the size of archaeological sites in South Asia [Talk]. *Computational Applications in Archaeology*, Limmassol, Cyprus (Online).

Apostolou, G., Orengo, H. A., **Garcia-Molsosa, A.**, & Berganzo-Besga, I. (2021, June 18). Towards a practical implementation of automated surface survey in Greece [Talk]. *Postgraduate conference 'Beyond identities: Alternative approaches to the archaeology of individuals and groups'*, Cambridge, UK (Online).

Garcia-Molsosa, A., Orengo, H. A., Leppard, T. P., Murphy, E. A., Roppa, A., Georgiadis, M., Dimakis, N., Kefalidou, E., & Kallintzi, K. (10 June 2021). Towards a practical application of automated drone-based archaeological survey [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Georgiadis, M., **Garcia-Molsosa, A.**, Orengo, H. A., Kallintzi, K., Kefalidou, E., Ejarque, A., Mayoral, A., & Palet, J. M. (10 June 2021). The Archaeological Project at Abdera and Xanthi: New techniques and data [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Orengo, H. A., Conesa, F. C., **Garcia-Molsosa, A.**, Green, A. S., Lobo, A., & Petrie, C. A. (10 June 2021). Integrated machine/deep learning approaches for the remote detection of archaeological features of the Indus Civilisation [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Orengo, H. A., **Garcia-Molsosa, A.**, & Petrie, C. A. (10 June 2021). Some ideas on the potential of new multitemporal multisource remote sensing data for the development of synergistic approaches between archaeology and precision agriculture [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Palet, J. M., Ejarque, A., **Garcia-Molsosa, A.**, Rodrigo, E., Orengo, H. A., & Ortega, M. J. (9 June 2021). Integrated landscape analysis in the hinterland of Emporion-Emporiae (North-Eastern Catalonia) [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Palet, J. M., Pescini, V., Colominas, L., Fossati, M., **Garcia-Molsosa, A.**, Gallego-Valle, A., & Orengo, H. A. (9 June 2021). Livestock, transhumance and landscape change in the Eastern Pyrenees (high Ter valleys): An interdisciplinary and long-term research [Talk]. *Landscape Archaeology Conference 2021+1*, Online.

Orengo, H. A., **Garcia-Molsosa, A.**, & Conesa, F. C. (8 June 2021). Remote sensing within TwoRains: Pioneering multitemporal multisource automated methods for the large-scale analysis of the Indus Civilisation. [Talk]. *TwoRains Conference 2021*, Online.

Garcia-Molsosa, A. (18 March 2021). Historical mapping and Remote Sensing applications for the study of Historical landscape dynamics in the Indus Basin. Study cases in Punjab Province (modern Pakistan) [Invited talk]. *International Webinar on Indus Civilization*, University of Kerala, Online.

Garcia-Molsosa, A. (10 December 2019). New perspectives and old problems: Integrating computational approaches to archaeological field survey workflows [Invited Talk]. *CDAL Seminar Series*, McDonald Institute for Archaeological Research, Cambridge, UK.

Orengo, H. A., **Garcia-Molsosa, A.**, Conesa, F. C., & Petrie, C. A. (7 November 2019). As above so below: Artificial intelligence-based detection and analysis of archaeological sites and features at a continental scale [Talk]. *Artificial Intelligence, Machine Learning and Deep Learning in Archaeology*, British School at Rome (BSR) and ESA's European Space Research Institute (ESA/ESRIN), Rome, Italy.

Orengo, H. A., **Garcia-Molsosa, A.**, Conesa, F. C., Green, A. S., & Petrie, C. A. (21 October 2019). New Approaches to the Archaeology of the Indus Civilisation Using TanDEM-X in Combination with Multisensor Multitemporal Satellite Data and Machine Learning [Talk]. *TerraSAR-X / TanDEM-X Science Team Meeting 2019*, DLR Oberpfaffenhofen, Germany.

Orengo, H. A., **Garcia-Molsosa, A.**, Conesa, F. C., Green, A. S., Singh, R. N., & Petrie, C. A. (28 August 2019). Combining TanDEM-X with multi-temporal, multi-source satellite data for the reconstruction of the Bronze Age landscapes of the Indus civilisation [Talk]. *IGARSS 2019*, Yokohama, Japan.

Ejarque, A., Julia, R., Riera, S., Palet, J. M., & **Garcia-Molsosa, A.** (2019, July 8). Landscape changes following Greek and Roman contacts and settlement in the coastal hinterland of Emporion-Emporiae (NE Spain) [Talk]. *The Mediterranean Palynological Societies Symposium 2019*, Bordeaux, France.

Orengo, H. A., **Garcia-Molsosa, A.**, Conesa, F. C., & Petrie, Cameron A. (28 June 2019). Multisensor multitemporal AI approaches to the detection and analysis of archaeological settlements at a continental scale [Invited talk]. *Seminar at the Computer Vision Center (UAB-CERCA)*, Barcelona, Spain.

Garcia-Molsosa, A. (17 May 2019). Look below by looking above: Contributions of the combination of aerial survey and computational methods for archaeological surveys [Talk]. *IberoArchUK 2019*, McDonald Institute for Archaeological Research, Cambridge, UK.

Conesa, F. C., Orengo, H. A., **Garcia-Molsosa, A.**, Green, A. S., & Petrie, C. A. (13 May 2019). Multi-temporal and multi-sensor data integration for the machine learning detection of archaeological mounds: Perspectives from South Asian archaeology [Talk]. *ESA Living Planet Symposium*, Milan, Italy.

Garcia-Molsosa, A., Orengo, H. A., Polonio, T., & Palet, J. M. (10 April 2019). Archaeology of High-Mountain Pastoral Campsites in the High-Pyrenees [Invited talk]. *84th Annual Meeting Society for American Archaeology (SAA)*, Albuquerque, NM, US.

Orengo, H. A., Conesa, F. C., **Garcia-Molsosa, A.**, & Petrie, C. A. (27 March 2019). Applications of machine and deep learning for the identification and analysis of archaeological sites at a continental scale using 40 years of multi-source satellite data [Talk]. *Big Data in Archaeology: Practicalities and Possibilities*, McDonald Institute for Archaeological Research, Cambridge, UK.

Orengo, H. A., **Garcia-Molsosa, A.**, Conesa, F. C., & Petrie, Cameron A. (14 March 2019). Machine learning-based large-scale potsherd detection using drone high-resolution imagery: Towards an automated intensive survey method [Invited talk]. *ArchAIDE Project Final Conference*, Pisa, Italy.

Conesa, F. C., Orengo, H. A., **Garcia-Molsosa, A.**, & Petrie, C. A. (17 September 2018). The Cholistan Desert (Pakistan): EO-based approaches to investigate long-term land use and water management strategies [Poster]. *5Th Landscape Archaeology Conference*, Newcastle on Tyne, UK.

Garcia-Molsosa, A., Orengo, H. A., Conesa, F. C., Green, A., & Petrie, C. (17 September 2018). Applications of multi-temporal data and cloud computing for the study of past settlement and landscape dynamics in the punjab region [Poster]. *5Th Landscape Archaeology Conference*, Newcastle on Tyne, UK.

Orengo, H. A., **Garcia-Molsosa, A.**, Green, A., Conesa, F. C., & Petrie, C. (17 September 2018). The reconstruction of the Bronze Age landscapes of South Asia: A large-scale, multi-temporal and multi-source approach using cloud parallel computing [Talk]. *5Th Landscape Archaeology Conference*, Newcastle on Tyne, UK.

Garcia-Molsosa, A., Ciurana, J., Oliver, J., Roig, J., Gallego-Valle, A., Gómez, R., Gómez, J., Polonio, T., & Giralt, S. (8 September 2018). Interdisciplinary approach to the archaeology, bioarchaeology and history of the rural churches of Aiguafreda and Valldaneu (Barcelona), 7th-12th C. AD [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Georgiadis, M., **Garcia-Molsosa, A.**, Kefalidou, E., & Kallintzi, K. (8 September 2018). Abdera, a Trade and Cultural Nexus Between the Aegean Sea and the Thracian Hinterland [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Krahtopoulou, A., Orengo, H. A., Frederick, C., Dimoula, A., Saridaki, N., **Garcia-Molsosa, A.**, & Kyriolidou, S. (7 September 2018). Re-discovering the neolithic landscapes of Western Thessaly, Central Greece [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Garcia-Molsosa, A., Oliver, J., & Flórez, M. (6 September 2018). The structuring of a roman countryside: Road network, settlement patterns and ancient land surveying in the Congost and Mogent valleys (Barcelona) [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Orengo, H. A., Crema, E., Wilkinson, T. C., Petrie, C. A., Leppard, T. P., Gjesfjeld, E., **Garcia-Molsosa, A.**, Kryzanska, M., & Conesa, F. C. (6 September 2018). Computational approaches to diverse, complex and large archaeological datasets: The experience of the CDAL at Cambridge [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Palet, J. M., **Garcia-Molsosa, A.**, Ejarque, A., Rodrigo, E., Ortega Pérez, M. J., Orengo, H. A., & Riera, S. (6 September 2018). Landscape changes, settlement and centuried systems in the hinterland of Emporion-Emporiae (North-Eastern Catalonia) [Talk]. *24th European Association of Archaeologists (EAA) Annual Meeting*, Barcelona, Spain.

Petrie, C. A., Singh, R. N., Alam, A., Bates, J., Baudouin, J. P., Ceccarelli, A., Chakraboti, S., Chakradari, S., Chowdhury, A., Dixit, Y., French, C. A. I., **Garcia-Molsosa, A.**, Giesche, A., Green, A. S., Green, L. M., Hodell, D. A., Jones, P. J., Lightfoot, E., Neogi, S., ... Walker, J. (2 July 2018). From Land, Water and Settlement to TwoRains: Progress in 2016, 2017 and 2018 [Talk]. *Twenty-fourth International Conference of the EASAA, European Association of South Asian Archaeologists*, Naples, Italy.

Palet, J. M., **Garcia-Molsosa, A.**, Olmos, P., & Polonio, T. (19 May 2017). Formes d'ocupació de l'espai al Pirineu Oriental: Dinàmiques històriques [Talk]. *Seminari internacional Ocupació humana i impacte ecològic als Pirineus. Mètodes i problemàtiques de la recerca arqueològica a l'alta muntanya*, Universitat. Autònoma de Barcelona. Bellaterra, Spain.

Garcia-Molsosa, A., Orengo, H. A., Krahtopoulou, A., & Dimoula, A. (29 April 2017). The Kambos Project: Remote Sensing Applications and Archaeological Approaches for the Reconstruction of the Disappeared Cultural Record of the Western Thessalian Plain [Talk]. *82nd Meeting of Society for American Archaeology (SAA)*, Vancouver, Canada.

Palet, J. M., Olmos, P., **Garcia-Molsosa, A.**, Polonio, T., Orengo, H. A., & Riera, S. (28 April 2017). Occupation et anthropisation des espaces de haute montagne dans les vallées de Núria et Coma de Vaca (Pyrénées orientales, Catalogne): Résultats des recherches archéologiques et patrimoniales [Talk]. *Circulations montagnards, circulations européennes, 142 Congrès national des sociétés historiques et scientifiques*, Université de Pau et des pays de l'Adour. Pau, France.

Palet, J. M., Riera, S., Orengo, H. A., **Garcia-Molsosa, A.**, & Ejarque, A. (8 April 2017). Landscape Archaeology in Eastern Pyrenees high mountain areas (Segre & Ter valleys): Human activities in the shaping of Mountain Cultural Landscapes [Talk]. *The shaping of agro-pastoral landscapes in mountainous regions. Landscape Archaeology and interdisciplinary research strategies. 10th Visiting Scholar Conference at the Institute for European and Mediterranean Archaeology (State University of New York at Buffalo)*, Buffalo, US.

Garcia-Molsosa, A. (23 March 2017). The shaping of agro-pastoral landscapes in mountainous regions. Study cases in the North-East of the Iberian Peninsula The Cornell Institute of Archaeology and Material Studies (CIAMS) Ithaca on March 23, 2017, as a speaker in our spring lecture series. [Invited Talk]. *The Cornell Institute of Archaeology and Material Studies (CIAMS) Spring lectures seminar*, Ithaca, US.

Colominas, L., Orengo, H. A., **Garcia-Molsosa, A.**, & Palet, J. M. (22-25 August 2016). Grasslands, huts and sheep: Animal husbandry in the eastern Pyrenees during the Early Roman period. An interdisciplinary approach [Talk]. *4th International Landscape Archaeology Conference*, Uppsala, Sweden.

Garcia-Molsosa, A., Polonio, T., Giralt, S., Oliver, J., Riera, S., & Palet, J. M. (22-25 August 2016). Farming (and fearing) the riverbed. An interdisciplinary study in the middle course of the Congost river (La Garriga, Barcelona) during the Holocene [Talk]. *4th International Landscape Archaeology Conference*, Uppsala, Sweden.

Orengo, H. A., **Garcia-Molsosa, A.**, Miret, M., Halstead, P., Riera, S., Valenzuela, S., Ejarque, A., Bosch, D., Salazar García, D. C., Muñoz, J., López, D., & Jornet, R. (22-25 August 2016). Pastoral impact and landscape shaping in coastal Mediterranean mountains: Rhythms, intensity and sociocultural factors [Talk]. *4th International Landscape Archaeology Conference*, Uppsala, Sweden.

Orengo, H. A., Krahtopoulou, A., Dimoula, A., **Garcia-Molsosa, A.**, Palaiochoritis, K., Papadias, Y., Saridaki, N., & Vliora, E. (22-25 August 2016). Reconstructing the Lost Prehistoric and Classical Landscapes of Western Thessaly, Central Greece, Through Combined Historic Aerial Photography, Remote Sensing, GIS and Archaeological Survey [Talk]. *4th International Landscape Archaeology Conference*, Uppsala, Sweden.

Palet, J. M., **Garcia-Molsosa, A.**, Orengo, H. A., Riera, S., Polonio, T., Euba, I., & Julià, R. (22-25 August 2016). Livestock activities in Eastern Pyrenees high mountains areas (Núria and Coma de Vaca valleys, Catalonia): The human shaping of a Cultural Landscape [Talk]. *4th International Landscape Archaeology Conference*, Uppsala, Sweden.

Palet, J. M., **Garcia-Molsosa, A.**, Orengo, H. A., & Polonio, T. (11 June 2016). Ocupacions ramaderes altimontanes a les capçaleres del Ter (Vall de Núria i Coma de Vaca, Queralbs): Resultats de les intervencions arqueològiques 2010-2015. *XIII Jornades d'Arqueologia de les comarques de Girona*, Banyoles, Spain.

Garcia-Molsosa, A., Romero, M., & Oliver, J. (11 April 2016). Arqueología y TIC en un proyecto patrimonial para el desarrollo local: El caso de los dólmenes de la Serra de

l'Arca (Aiguafreda, Parque Natural del Montseny). *RESCATE. Del registro estratigráfico a la sociedad del conocimiento: el patrimonio arqueológico como agente de desarrollo sostenible*, Códoba/ Puente Genil, Spain.

Servera, G., Vivó, M., **Garcia-Molsosa, A.**, Picornell-Gelabert, L., & Calvo, M. (2016). The creation of landscapes in the Balearic Islands: The study-case of northern Minorca (Balearic Islands) [Talk]. *Islands: Isolation and connectivity. The Association for Environmental Archaeology Spring Conference*, Kirkwall, UK.

Garcia-Molsosa, A., & Oliver, J. (2015). From foodscapes to concretescapes – through crisis landscapes. The irrigation systems of la Garriga (Barcelona), 12th—21st C. [Poster]. *Crossing Boundaries: the Creation of Foodscapes. AEA spring conference*, Nottingham, UK.

Palet, J. M., **Garcia-Molsosa, A.**, & Orengo, H. A. (1-3 October 2015). Els espais altimontans pirenaics a l'Antiguitat: 10 anys d'estudis en arqueologia del paisatge del GIAP-ICAC [Talk]. *1er Congrés Internacional d'Arqueologia Pirinenca. L'explotació dels recursos naturals al Pirineu oriental en època antiga*, Espai Ceretània, Bolvir, Spain.

Palet, J. M., Orengo, H. A., & **Garcia-Molsosa, A.** (23 February 2015). L'arqueologia del paisatge i l'estudi de l'ocupació ramadera d'espais altimontans pirinencs: Recerques microrregionals a l'Alt Segre i a les capçaleres del Ter [Talk]. *Seminari Internacional Estudis transdisciplinars sobre ramaderia i pastoralisme*, IPHES, Tarragona, Spain.

Garcia-Molsosa, A., Flórez, M., Palet, J. M., & Giralt, S. (17 September 2014). Paths and settlements in a Roman rural landscape: A geo-archaeomorphological analysis in the Congost Valley (Barcelona, Spain) [Talk]. *3rd International Landscape Archaeology Conference*, Rome, Italy.

Garcia-Molsosa, A., Oliver, J., & Jaime, M. (18 September 2014). The “Aiguafreda de Dalt” Project: An historical and archaeological research programme on sites, people and territories between Late Antiquity and the Middle Ages in a mountainous rural landscape (Aiguafreda, Montseny massif, Catalonia) [Poster]. *3rd International Landscape Archaeology Conference*, Rome, Italy.

Garcia-Molsosa, A., Palet, J. M., & Orengo, H. A. (2014). Prospecciones arqueomorfológicas en llano y áreas de montaña. Experiencias del Grupo de Investigación en Arqueología del Paisaje (GIAP) del ICAC [Invited Talk]. *Dando sentido a la prospección arqueológica/ Making sense of archaeological survey*, Jaén, Spain.

Garcia-Molsosa, A., & Flórez, M. (2014). Dinàmiques de poblament entorn a la conquesta romana. El cas de Samalús (Vallès Oriental) des de la perspectiva de l'arqueologia del paisatge [Talk]. *Seminari: Les estratègies d'ocupació dels territoris conquerits a les províncies hispanes els segles II-I aC: primers assentaments de control i models d'implantació*, ICAC, Tarragona, Spain.

Garcia-Molsosa, A., Flórez, M., Lladó, M., Palet, J. M., & Giralt, S. (2013). Construcción y dinámicas de un paisaje antropizado durante la antigüedad: Estudio arqueológico y sedimentológico microrregional de un sector del llano prelitoral catalán

(Samalús, Barcelona) [Talk]. *XVIII Congreso Internacional de Arqueología Clásica. Centro y periferia en el mundo clásico*, Mérida, Spain.

Palet, J. M., Orengo, H. A., Ejarque, A., **Garcia-Molsosa, A.**, Julià, R., Riera, S., Marco, J., & Montaner, J. (2013). Landscape dynamics and territorial organization in the Empordà littoral plain (North-Eastern Catalonia) from the Antiquity to the Medieval period: An integrated landscape analysis [Talk]. *XVIII Congreso Internacional de Arqueología Clásica. Centro y periferia en el mundo clásico*, Mérida, Spain.

Palet, J. M., Orengo, H. A., Ejarque, A., **Garcia-Molsosa, A.**, Julià, R., Riera, S., Marco, J., & Montaner, J. (2013). Dynamiques du paysage et organisation territoriale dans la plaine littorale de l'Emporda (Nord-est de la Catalogne) de l'Antiquité au haut Moyen Âge [Poster]. *XXXIVe Rencontres Internationales d'Archéologie et d'histoire d'Antibes*, Sophia-Antipolis, France.

Palet, J. M., Orengo, H. A., & **Garcia-Molsosa, A.** (2013). Explotación y ocupación de espacios altimontanos pirenaicos en época romana: Visiones desde la arqueología del paisaje [Talk]. *IV Convegno Internazionale di Studi Veleiati*, Lugagnano, Italy.

Garcia-Molsosa, A., Flórez, M., Lladó, M., Palet, J. M., & Giralt, S. (November 2012). Una aproximació arqueològica als paisatges del massís del Montseny: Resultat de les campanyes de prospecció en espais supraforestals (Matagalls-pla de La Calma) i del peu del massís (Samalús). *VIII Trobades d'estudiosos del Montseny*, Diputació de Barcelona, Girona, Spain.

Garcia-Molsosa, A., Lladó, M., Euba, I., Palet, J. M., & Giralt, S. (2012). Human Land Use Strategies in a Mediterranean Mid-Mountain Landscape (Montseny Massif, Barcelona). Analysing Human Landscape Impact through Archaeological and Geomorphological Analysis [Talk]. *2nd International Landscape Archaeology Conference*, Berlin, Germany.

Palet, J. M., Julià, R., Riera, S., Ejarque, A., Orengo, H. A., Miras, Y., **Garcia-Molsosa, A.**, Allée, P., Reed, J. M., Marco, J., Marquès, M. A., Furdada, G., & Montaner, J. (2012). Landscape systems and human land-use interactions in Mediterranean highlands and litoral plains during the Late Holocene: Integrated analysis from the InterAmbAr Project (North-Eastern Catalonia) [Talk]. *2nd International Landscape Archaeology Conference*, Berlin, Germany.

Servera, G., Paradis Grenouille, S., Orengo, H. A., Julià, R., Allée, P., Miras, Y., Riera, S., Palet, J. M., **Garcia-Molsosa, A.**, & Bal, M.-C. (2012). Dynamique des pratiques territoriales et histoire de la végétation au Mont Lozère (Massif central, France) au cours des deux derniers millénaires. Étude pluridisciplinaire de la tourbière de Countrasts (1400 m) [Talk]. *Colloque international AFEQ Quaternaire n° 8. Variabilité spatiale des environnements quaternaires. Contraintes, échelles et temporalités*, Clermont-Ferrand, France.

Garcia-Molsosa, A., Flórez, M., Lladó, M., Trullén, A., Palet, J. M., & Giralt, S. (2011). Settlement evolution, field systems and sedimentary processes in a Mediterranean mid-mountain (Montseny massif, Catalunya) [Poster]. *XXXIIes Rencontres Internationales d'archéologie et d'histoire d'Antibes: Variabilités environnementales*,

mutations sociales: natures, intensités, échelles et temporalités des changements, Antibes, France.

Orengo, H. A., Palet, J. M., Riera, S., Ejarque, A., & **Garcia-Molsosa, A.** (2011). The diversity and complementary nature of mountain activities. Towards a characterization of mountain cultural landscapes [Invited Talk]. *International Workshop on Archaeology of European Mountain Landscapes Carved mountains. Engraved stones. Contributions to the environmental resources archaeology of the Mediterranean mountains*, Borzonasca, Italy.

Flórez, M., & **Garcia-Molsosa, A.** (5 May 2010). Poblament i estructuració del territori a la comarca del Vallès Oriental: Una proposta metodològica [Talk]. *III Jornadas de Jóvenes en Investigación Arqueológica (JIA 2010)*, UAB, Bellaterra, Spain.

Garcia-Molsosa, A. (2009). A cultural landscape Research in a Mediterranean mountain area. The "Massís del Montseny project" (Barcelona – Girona) [Poster]. *2e Workshop International d'Archéologie du Paysage des Montagnes Européennes. La construction des territoires montagnards. Exploitation des ressources et mobilité des pratiques*, Toulouse, France.

TEACHING EXPERIENCE

2022- . University Rovira i Virgili (URV), MA, Inter-University Master's Degree in Applied Classical Archaeology. Research and Transfer: Module Computational Archaeology (3 ECTS). Lecturer and module coordinator.

2020-2022. Open University of Catalonia (UOC), MA Ancient Mediterranean: Module *Practical training in Landscape Archaeology* (5 ECTS). Lecturer and author of the teaching material.

2019. Department of Archaeology. University of Kerala: *International workshop on GIS, Remote Sensing and Geoarchaeology* (48 hours). Postgraduate course organized and imparted with F. C. Conesa, F. C & N. Éguez.

2017. State University of New York at Buffalo, Departments of Anthropology and Classics: Graduate course *Special Topics in Archaeology: Landscape Archaeology* (APY 572, 3 credits). Instructor.

2013. Faculty of Arts, University of Nottingham: Skills workshop (1 day) *Geographic Information Systems in the Humanities: Applications and Practice*. Post-doctoral lab assistant.

2012. Universitat Rovira i Virgili & Institut Català d'Arqueologia Clàssica, MA Classical Archaeology: Module *Landscape Archaeology*. Contributing lecturer

2011. Centre d'Investigacions Arqueològiques d'Osona (CIAO): *4th Scientific and technical course. New technologies in Archaeology: Recent trends and applications (IT and GIS)*. Contributing Lecture.

PhD Supervision

PhD thesis of G. Apostolou: *Multi-disciplinary survey approaches for the study of long-term cultural landscapes: The example of Grevena in Western Macedonia (Greece).* Universitat Rovira i Virgili. FI-AGAUR Scholarship (2020 FI_B 01013). Defended: 27/01/2025 (Excellent, *Cum Laude*).

Six month research stay by A. Brucato in the context of the PhD: *The eye of the machine in the time of travel: applicazione di algoritmi di machine learning ai dataset satellitari per il rilevamento di potenziali nuovi siti archeologici legati alla mobilità di gruppi preistorici e protostorici. Casi di studio tra Italia Meridionale e Sahara.* University of Bari Aldo Moro. PON for Research and Innovation 2014-2020/ ESF REACT-EU resources. 2023. Defended: 17/04/2025.

PhD thesis of K. Venieri: *Advancing the Development of Automated Intensive Archaeological Survey: Application to Case Studies from Greece.* Universitat Rovira i Virgili. FI-AGAUR Scholarship (Catalan Government R&D Agency competitive call for the recruitment of new research staff). Expected defence: 2026.

PhD thesis of I. Mattuzzi: *Landscapes of Greek colonisation: an integrated archaeological approach of the compared territorial and landscape dynamics around the Ionian colonies of Abdera and Emporion (Thrace, Gr. and Catalunya, Sp.).* AGAUR Joan Oró Scholarship (FI-2023). Expected defence: 2027.

Master Supervision

M.A. Thesis of P. Canudas: *Using Remote Sensing and SIG to Study the Paleogeomorphology of a Coastal Area. The Case of the Territory of the Ancient Greek Colony of Abdera.* Universitat Autònoma de Barcelona, 2022.

M.A Research Stay of N. M. Zografu: Aristotile University of Thessaloniki, M. A. Earsmus + Traineeship. 1/10/2024-31/1/2025

OTHER

Other specialised training

2021. Training course on data management and open science: Organised by AGAUR & Digital Curation Center (DCC, Edinburgh, UK). Online course (7.5 hours).

2021. UAS Certificate Pilot (Category A1/A3). European Union Aviation Safety Agency (EASA) & Agencia Estatal de Seguridad Aérea (AESA). Official certificate (Pilot ID: ESP-RP-0000018293)

2018. ESA 8th Advanced Training Course on Land Remote Sensing: Organised by European Space Agency. University of Leicester. UK National Centre for Earth Observation. Intense course (5 days).

2018. Google Earth Engine User Summit 2018: Organized by Google. Google Campus, Dublin, Ireland. Intense course (3 days).

2008. Curs d'Introducció a l'Antropologia i la Paleopatologia: Organised by Museu d'Arqueologia de Catalunya. Course (30h)

Contributions to dissemination actions

22 August 2019. Sutton Trust Summer School (with A. Angourakis and E. Crema): *GIS and Computational Archaeology*. McDonald Institute for Archaeological Research, Cambridge, UK. (Seminar for future undergraduate students).

5 August 2019. Peterhouse Archaeology Summer School (with A. Angourakis and E. Crema): *GIS and Computational Archaeology*. McDonald Institute for Archaeological Research, Cambridge, UK. (Seminar for future undergraduate students).

16 March 2019. Cambridge Science Festival (with F. C. Conesa). *How satellites help us to investigate the past?* McDonald Institute for Archaeological Research, Cambridge, UK. (Public outreach activity)

30 November 2017. Barferència (with J. Oliver). *El llac de la Garriga. A la recerca d'un paisatge desaparegut*. Bar "la Mila", organised by the City council of La Garriga, Spain. (Talk)

19 November 2014. III Cicle de xerrades de temes garriguencs: *El territori garriguenc abans del terme de la Garriga: La prehistòria i l'Antiguitat*. City council of La Garriga, Spain. (Talk)

29 November 2013. II Cicle de xerrades de temes garriguencs: Ibers, romans i visigots a la vora del riu Congost. Un recorregut pel patrimoni arqueològic de La Garriga, Samalús i Llerona. City council of La Garriga, Spain. (Talk)

October - December 2005. Beca per a la recuperació de la memòria històrica de l'Ametlla del Vallès. City council of l'Ametlla del Vallès, Spain. (Part-time employment as interviewer for a historical memory project).

November 2002 - April 2003. Exhibition: *Estius a Cardedeu. El modernisme d'estiueig al Vallès Oriental*: Organised by the Museu-Arxiu Tomàs Balvey, Cardedeu, Spain. (Part-time employment for archive and oral history research for a museum exhibition)