

Arnau Garcia-Molsosa

Beatriu de Pinós - Marie Skłodowska-Curie cofund program fellow

Catalan Institute of Classical Archaeology

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POSITIONS

2020- : 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

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. 2020-2023.

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.

Participation in research projects:

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-

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 -

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-100): 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.). (Forthcoming 2022). *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

Georgiadis, M., Kallintzi, K., **Garcia-Molsosa, A.**, Orengo, H. A., Kefalidou, E., & Motsiou, P. (Submitted. Forthcoming 2022). The Archaeological Survey at Abdera and Xanthi 2015-2019: Long-term analysis of colonial relations in Thrace. *Archaeological and Anthropological Sciences*.

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'Empúries à l'Antiquité: Espaces agraires et réseaux centuriés. *MÉDITERRANÉE. Revue Géographique Des Pays Méditerranéens*, 133, 27–44.

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 Θρακία* 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>

Garcia, A., Orengo, H. A., Conesa, F. C., Green, A. S., & Petrie, C. A. (2019). Remote Sensing and Historical Morphodynamics of Alluvial Plains. The 1909 Indus Flood and the City of Dera Ghazi Khan (Province of Punjab, Pakistan). *Geosciences*, 9(1), 21. <https://doi.org/10.3390/geosciences9010021>

Green, A. S., Orengo, H. A., Alam, A., **Garcia-Molsosa, A.**, Green, L. M., Conesa, F., Ranjan, A., Singh, R. N., & Petrie, C. A. (2019). Re-Discovering Ancient Landscapes: Archaeological Survey of Mound Features from Historical Maps in Northwest India and Implications for Investigating the Large-Scale Distribution of Cultural Heritage Sites in South Asia. *Remote Sensing*, 11(18), 2089. <https://doi.org/10.3390/rs11182089>

Orengo, H. A., **Garcia, A.**, Conesa, F. C., Green, A., Singh, R. N., & Petrie, C. A. (2019). Combining TanDEM-X with multi-temporal, multi-source satellite data for the reconstruction of the Bronze Age landscapes of the Indus Civilisation. *IGARSS 2019 - 2019 IEEE International Geoscience and Remote Sensing Symposium*, 4581–4584. <https://doi.org/10.1109/IGARSS.2019.8898852>

Orengo, H. A., & **Garcia-Molsosa, A.** (2019). A brave new world for archaeological survey: Automated machine learning-based potsherd detection using high-resolution drone imagery. *Journal of Archaeological Science*, 112, 105013. <https://doi.org/10.1016/j.jas.2019.105013>

Palet, J. M., Olmos, P., **Garcia, A.**, Polonio, T., & Orengo, H. A. (2019). Occupation et anthropisation des espaces de haute montagne dans les vallées de Nuria et de Coma de Vaca (Gerona, Espagne): Résultats des recherches archéologiques et patrimoniales. In S. Costamagno, M. Deschamps, P.-Y. Milcent, J.-M. Pétilion, C. Renard, & N. Valdeyron (Eds.), *La conquête de la montagne: Des premières occupations humaines à l'anthropisation du milieu*. Éditions du Comité des travaux historiques et scientifiques. <http://books.openedition.org/cths/7007>

Petrie, C., Orengo, H. A., Green, A., Walker, J., **Garcia, A.**, Conesa, F., Knox, J., & Singh, R. (2019). Mapping Archaeology While Mapping an Empire: Using Historical Maps to Reconstruct Ancient Settlement Landscapes in Modern India and Pakistan. *Geosciences*, 9(1), 11. <https://doi.org/10.3390/geosciences9010011>

Servera-Vives, G., Riera, S., Picornell-Gelabert, L., Moffa-Sánchez, P., Llergo, Y., **Garcia, A.**, Mus-Amezquita, M., García Álvarez, S., & Calvo Trías, M. (2018). The

onset of islandscapes in the Balearic Islands: A study-case of Addaia (northern Minorca, Spain). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 498, 9–23. <https://doi.org/10.1016/j.palaeo.2018.02.015>

Garcia, A., Oliver, J., & Romero, M. (2017). Arqueología y tic en la conservación, la investigación y la interpretación del patrimonio: El caso de los dólmenes de serra de l'arca (montseny, barcelona). In D. Vaquerizo & A. B. Ruíz Osuna (Eds.), *Rescate. Del registro estratigráfico a la sociedad del conocimiento: El patrimonio arqueológico como agente de desarrollo sostenible: Vol. II*. UCO Press. Editorial Universidad de Córdoba.

Gómez, J., **Garcia, A.**, Colominas, L., Gallego, A., Roig, J., & Oliver, J. (2017). La Tradición Apócrifa De Eugenio De Toledo a La Luz De Un Nuevo Hallazgo Epigráfico. *Aevum*, 91, 295–310.

Palet, J. M., **Garcia, A.**, Orengo, H. A., & Polonio, T. (2017). Els espais altimontans pirenaics orientals a l'Antiguitat: 10 anys d'estudis en arqueologia del paisatge del GIAP-ICAC. *Treballs d'Arqueologia*, 21(0), 77–97. <https://doi.org/10.5565/rev/tda.59>

Garcia, A., Palet, J. M., & Flórez, M. (2016). Paths and settlement in a Roman rural landscape: An archaeomorphological analysis in the Congost Valley (Barcelona, Spain) / Trazas viarias y poblamiento en un paisaje rural romano: análisis arqueomorfológico en el valle del río Congost (Barcelona). In *Multi-, inter- and transdisciplinary research in Landscape Archaeology. Proceedings Landscape Archaeology Conference 2014*. VU E-Publishing. <https://dx.doi.org/10.5463/lac.2014.19>

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

Garcia, A., Flórez, M., & Palet, J. M. (2015). Arqueología del paisaje en el entorno de Lauro: Una aproximación microrregional a la construcción del territorio romano en el noreste de la Península Ibérica. *Zephyrus*, 76, 99–119. <https://doi.org/10.14201/zephyrus20157699119>

Orengo, H. A., Krahtopoulou, A., **Garcia-Molsosa, A.**, Palaiochoritis, K., & Stamati, A. (2015). Photogrammetric re-discovery of the hidden long-term landscapes of western Thessaly, central Greece. *Journal of Archaeological Science*, 64, 100–109. <http://dx.doi.org/10.1016/j.jas.2015.10.008>

Garcia, A., Flórez, M., Lladó, M., Palet, J. M., & Giralt, S. (2014). Construcción y dinámicas de un paisaje antropizado durante la antigüedad: Estudio arqueológico y sedimentológico microrregional de un sector del llano prelitoral catalán (Samalús, Barcelona). In *XVIII CIAC: Centro y periferia en el mundo clásico / Centre and periphery in the ancient world*. Mérida. 2014 (Museo Nacional de Arte Romano, Vol. 1).

Garcia, A., Flórez, M., Lladó, M., Palet, J. M., & Giralt, S. (2014). 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). In *VIII Trobada d'Estudiosos del Montseny*. (Diputació de Barcelona, pp. 373–382).

Palet, J. M., Orengo, H. A., Ejarque, A., **Garcia, A.**, Julià, R., Riera, S., Marco, J., & Montaner, J. (2014). Dynamiques du paysage et organisation territoriale dans la plaine littorale de l'Empordà (nord-est de la Catalogne) de l'Antiquité au Haut Moyen Âge. In *Implantations humaines en milieu littoral méditerranéen: Facteurs d'installation et*

processus d'appropriation de l'espace de la Préhistoire au Moyen Âge (pp. 389–398). Editions APDCA.

Palet, J. M., **Garcia, A.**, Orengo, H. A., Riera, S., Miras, Y., & Julià, R. (2014). Ocupación y explotación de espacios altimontanos pirenaicos en la antigüedad: Visiones desde la arqueología del paisaje. In *Atti del IV Convegno internazionale di studi veleiate: Veleia-Lugagnano Val d'Arda, 20-21 settembre 2013* (pp. 455–470). Ante quem.

Palet, J. M., Ejarque, A., Orengo, H. A., Julià, R., Marco, J., Riera, S., **Garcia, A.**, & Montaner, J. (2014). Landscape dynamics and territorial organization in the empordà littoral plain (north-eastern catalonia) from the antiquity to the medieval period: An integrated landscape analysis. In *XVIII CIAC: Centro y periferia en el mundo clásico / Centre and periphery in the ancient world*. Mérida. 2014 (Museo Nacional de Arte Romano, Vol. 1).

Flórez, M., Trullén, A., & **Garcia, A.** (2013). Aportacions de la prospecció arqueològica a l'estudi diacrònic de les dinàmiques del poblament rural antic al Vallès Oriental (segles V aC-v dC). In M. Prevosti, J. López, & J. Guitart (Eds.), *Ager Tarraconensis 5. Paisatge, poblament, cultura material i història. Actes del Simposi internacional* (pp. 183–199). Institut Català d'Arqueologia Clàssica (ICAC).

Garcia, A. (2013). La presència humana als sectors supraforestals del massís del Montseny al llarg de la història: Resultats d'una recerca arqueològica al Pla de la Calma i els Matagalls. *Monografies Del Montseny*, 28, 125–139.

Garcia, A., Flórez, M., Lladó, M., Euba, I., Palet, J. M., & Giralte, S. (2012). Human Land Use Strategies in a Mediterranean Mid-Mountain Landscape (Montseny Massif, Barcelona). Analysing Human Landscape Impact through Archaeological and Geomorphological Analysis. *ETopoi. Journal for Ancient Studies*, 3, 1007–1012.

Palet, J. M., Julia, R., Riera, S., Ejarque, A., Orengo, H. A., Miras, Y., **Garcia, A.**, Allée, P., Reed, J., & Marco, J. (2012). Landscape Systems and Human Land-Use Interactions in Mediterranean Highlands and Littoral Plains during the Late Holocene: Integrated Analysis from the InterAmbAr Project (North-Eastern Catalonia). *ETopoi. Journal for Ancient Studies*.

CONFERENCES

Organization of international meetings and sessions

Session co-organizer (with H. A. Orengo & I. Berganzo-Besga). 9 August 2022: Machine and deep learning methods in archaeological research: Beyond site detection. *Computer Applications in Archaeology Conference (CAA2022)*, Oxford, UK.

Session co-organizer (With H. A. Orengo, T. P. Leppard, E. Koparal, T. C. Wilkinson, M. Georgiadis, A. Krahtopoulou & J. M. Palet). 10 June 2021: Advances in archaeological survey. *Landscape Archaeology Conference 2020+1*, Online.

Session co-organizer (with H. A. Orengo, F. C. Conesa & C. A. Petrie). 10 June 2021: Archaeological site detection with machine learning and other computational approaches. *Landscape Archaeology Conference 2021+1*, Online.

Session co-organizer (with H. A. Orengo, A. S. Green, F. C. Conesa & C. A. Petrie). 8 June 2021: Hydrological and settlement landscapes. *TwoRains Conference 2021*, Online.

Conference co-organizer (with F. C. Conesa, H. A. Orengo & C. A. Petrie). 29 February 2020: *Computational approaches to archaeological site detection and monitoring*. Cambridge University, UK. <https://archaeositedetection.wordpress.com/>

Member of the organization committee. 17 May 2019: *IberoArchUK 2019. Ibero-British Archaeology*. Cambridge University, UK <https://iberoarchuk2019.wordpress.com>

Conference organizer. 8 April 2017: *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, US.

<https://iema.buffalo.edu/conference/past-conferences/>

Contributions in scientific meetings

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.

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.

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).

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.

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.**, & Kyrillidou, 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*, Códroba/ Puente Genil, Spain.

Servera, G., Vivó, M., **Garcia-Molsosa, A.**, Picornell-Gelabert, L., & Calvo, M. (2016). The creation of islandscapes 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 crisiscape. 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 haute Moyen Âge [Poster]. *XXXIVe Rencontres Internationales d'Archéologie et 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 littoral 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]. *XXXIles 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

2023-. State University of New York at Buffalo, Departments of Anthropology and Classics. Study abroad program (organized with the Catalan Institute of Classical Archaeology) *Cultural Heritage: From classic ruins to living landscape* (APY 321/515, 3 Credits). Contributing lecturer and contact point in ICAC.

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

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

Co-Supervisor of the PhD thesis of G. Apostolou: *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). 2020-2023

Co-Supervisor of the 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). 2021-2024

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)