

Surname: **C. CONESA**  
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### Research interests

- Long-term cultural landscapes, endangered archaeology and landscape archaeology
- Methodological advances in the development of new multi-source remote sensing procedures, coupled with machine learning and deep learning methods
- Methodological challenges and opportunities for the integration of new geoscientific proxies from soils and sediments

### Current position and main research project

- Research Fellow **Juan de la Cierva-Incorporación**. Landscape Archaeology Research Group, Catalan Institute of Classical Archaeology. Primary research: *Automated machine learning applications in landscape archaeology* (April 2020-March 2023)

### Other research positions

- Associated Postdoctoral Fellow. Archaeological Micromorphology and Biomarkers Laboratory (AMBI Lab), University of La Laguna (since November 2020)
- Affiliated Research Fellow, Department of Archaeology, University of Kerala (April 2019-April 2024)

### Ongoing research projects

- As **PI**: *Kachchh Archaeological Project: trade, pastoralism and the origins of the Indus Civilisation*. Catalan Institute of Classical Archaeology. Funded by Palarq Foundation (since 2021)
- As **team member**: *Archaeology of Nomadic Pastoralism in Mongolia: the invisible footprints of domestic spaces*. University of La Laguna. Funded by Palarq Foundation (since 2021)
- As **team member**: *Intelligent archaeological surveys and drone platforms (DIASur)*. Catalan Institute of Classical Archaeology. Funded by BBVA Foundation Digital Humanities Grant 2019 (since 2020)
- As **team member**: *Archaeology, Remote Sensing and Archaeometry: a multidisciplinary approach to Roman and Late Antiquity landscape and pottery in Mallorca (Balearic Islands)*. University of Barcelona. Funded by the Spanish Ministry of Economy, Industry and Competitiveness (n. HAR2017-83335-P, since February 2018)
- As **team member**: *L'Alt Congost entre l'Antiguitat Tardana i l'Alta Edat Mitjana: Recerca arqueològica, transferència de coneixement i proposta de socialització de resultats*. Projecte quadriennal de recerca en arqueologia. Catalan Institute of Classical Archaeology. Funded by the Catalan Government (n. CLT009/18/00096, since May 2019)

### Past positions

- 2019-20** Postdoctoral Research Associate at **Peterhouse** college, Cambridge, coterminous with MSCA-IF fellowship
- 2018-20** **Marie Skłodowska-Curie Individual Fellow** (MSCA-IF). McDonald Institute for Archaeological Research, University of Cambridge. Project *Marginscapes: long-term land use and water management strategies in arid margin landscapes*
- 2016-17** **Postdoctoral Research Fellow** at Culture and Socio-Ecological Dynamics Research Group. Institució Milà i Fontanals, Spanish National Research Council, Barcelona
- 2011-16** **Research Associate** at Culture and Socio-Ecological Dynamics Research Group. Institució Milà i Fontanals, Spanish National Research Council, Barcelona
- 2009** **Research Assistant**, COLAB Programme in Social Sciences, DIDPATRI Research Group, Department of Didactics of Social Sciences, University of Barcelona

## Education

- 2016 PhD in Archaeology**, University of Barcelona. Supervisors: M. Madella, A.L. Balbo, M.A. Cau. Dissertation: Geoarchaeological surveys and Earth Observation applications in semi-arid regions: the case study of North Gujarat, India. Distinction with Cum Laude
- 2013 Postgraduate course in Palaeoecology**, Botanical Institute of Barcelona, Spanish National Research Council
- 2011 MA in Archaeology**, Faculty of Geography and History, University of Barcelona
- 2010 PGCE in Geography, History and Art History**, Education Sciences Institute, University of Barcelona
- 2010 Postgraduate course in Geographic Information Systems and Cartography**, Faculty of Geography and History, University of Barcelona
- 2009 BA in History**, Faculty of Geography and History, University of Barcelona

## Publications

### Peer-review journals

- 2020** Orengo, H.A., **Conesa F.C.**, Garcia-Molsosa, A., Lobo, A., Green, A.S., Madella, M., Petrie, C.A., Automated detection of archaeological mounds using machine learning classification of multi-sensor and multi-temporal satellite data. *Proceedings of the National Academy of Sciences*, 117, 31: 18240-18250 [as co-corresponding author]
- 2019** Green, A.S., Orengo, H.A., Aftab, A., Garcia-Molsosa, A., Green, L., **Conesa F.C.**, Ramjan, A., Singh, R., Petrie, C.A., 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, 8, 2089 (Special Issue *Earth Observation, Remote Sensing and Geoscientific Ground Investigations for Archaeological and Heritage Research*, by R. Lasaponara, X. Wang, E. Tarantino and D. C. Comer)
- 2019** Garcia-Molsosa, A., Orengo, H.A., **Conesa F.C.**, Green, A.S., Petrie, C.A., Remote sensing and historical morphodynamics of alluvial plains. The 1909 Indus flood and the city of Dera Gazhi Khan (province of Punjab, Pakistan). *Geosciences*, 2019, 8, 1, 21 (Special Issue *Earth Observation, Remote Sensing and Geoscientific Ground Investigations for Archaeological and Heritage Research*, by D. Tapete)
- 2019** Petrie, C.A., Orengo, H.A. Green, A.S., Walker, J., Garcia-Molsosa, A., **Conesa, F.C.**, Knox, J., Singh, R., Mapping archaeology while mapping an Empire: using historical maps to reconstruct ancient settlement landscapes in modern India and Pakistan. *Geosciences*, 9, 1, 11 (Special Issue *Earth Observation, Remote Sensing and Geoscientific Ground Investigations for Archaeological and Heritage Research*, by D. Tapete)
- 2017** **Conesa, F.C.**, Lobo, A., Alcaina, J., Balbo, A.L., Madella, M., Rajesh, S.V., Ajithprasad, P., Multi-proxy survey of open-air surface scatters in drylands: archaeological and physico-chemical characterization of fossilised dunes in North Gujarat (India). *Quaternary International*, 436:57-75
- 2017** Markofsky, S., Ninfo, A., Balbo, A.L., **Conesa, F.C.**, Madella, M., An investigation of local human/landscape dynamics in the endorheic alluvial fan of the Murhab River, Turkmenistan. *Quaternary International*, 437B:1-17 (Special Issue *Socio-ecology at the small-scale: local manifestations of late Pleistocene/Holocene human and environmental dynamics*, by M. Madella, S. Markofsky and F.C. Conesa)
- 2017** Biagetti, S., Merlo, S., Adam, E., Lobo, A., **Conesa, F.C.**, Knight, J., Bekrani, H., Crema, E., Alcaina, J., Madella, M., High and Medium Resolution Satellite Imagery to Evaluate Late Holocene Human-Environment Interactions in Arid Lands: A Case Study from the Central Sahara. *Remote Sensing*, 9, 4, 351 (Special Issue *Remote Sensing for Cultural Heritage*, by R. Lasaponara)
- 2015** **Conesa F.C.**, Madella M., Galiatsatos N., Balbo A.L., Rajesh S.V., Ajithprasad P., CORONA photographs in monsoonal semi-arid environments: addressing archaeological surveys and historic landscape dynamics over North Gujarat, India. *Archaeological Prospection*, 22, 2:75-90
- 2014** **Conesa, F.C.**, Devanthery, N., Balbo, A.L., Madella, M., Monserrat, O., Use of satellite SAR for understanding long-term human occupation dynamics in the monsoonal semi-arid plains of North Gujarat, India. *Remote Sensing*, 6-11: 11420-11443 (Special Issue *New Perspectives of Remote Sensing for Archaeology*, by R. Lasaponara and N. Masini)
- 2013** **Conesa, F.C.**, Devanthery, N., Balbo, A.L., Madella, M., Ajithprasad, P., Identification of Seasonally Flooded Areas in North Gujarat Using Radar Satellite Imagery: Implications for Archaeology. *Heritage: Multidisciplinary Studies in Archaeology*, 1: 344-355 (Special Issue *Harappan and Regional Chalcolithic Cultures Of Greater Indus Region*, by A. Kumar, Rajesh S.V., Abhayan G.S. and Vinod V)

- 2013** Balbo, A.L., Rondelli, B., **Conesa, F.C.**, Lancelotti, C., Madella, M., Ajithprasad, P., Contributions of geoarchaeology and remote sensing to the study of Holocene hunter-gatherer and agro-pastoral groups in arid margins. The case of North Gujarat (Northwest India). *Quaternary International*, 308-309-2: 53-65 (Special Issue *Geoarchaeology: a toolbox of approaches applied in a multidisciplinary research discipline*, by S. Diskin, V. Heyvaert, K. Pavlopoulos and B. Schütt)

#### Book sections

- 2018** **Conesa, F.C.**, García-Granero, J.J., Madella, M., Balbo, A.L., Gadekar, C.S., Lancelotti, C., Rajesh, S.V., Ajithpasad, P., Poblament, recursos i medi ambient en zones àrides: el North Gujarat Archaeological Project (NoGAP). *Tribuna d'Arqueologia*. Departament de Cultura de la Generalitat de Catalunya
- 2018** Madella, M., Ajithprasad, P., Lancelotti, C., García-Granero, J.J., **Conesa, F.C.**, Gadekar C., Rajesh, S.V., *The North Gujarat Archaeological Project – NoGAP. A multi-proxy and multi-scale study of long-term socio-ecological dynamics*. Frenez, D. (ed.), *Walking with the Unicorn: social organization and material culture in Ancient South Asia*. Archaeopress Archaeology, Oxford: 343-358
- 2013** Madella, M., Ajithprasad, P., Balbo, A.L., Caro, J. C., **Conesa, F.C.**, García-Granero, J.J., Lancelotti, C., Rondelli, B., Rajesh, S.V., Ruiz, J., Mateos, J.L., Gadekar, C.S., Dumka, R.A., Kothiyari, G.C., Mortekhai, P., Sukumaran, P., La campaña de excavación 2011 del North Gujarat Archaeological Project (NoGAP): metodología interdisciplinar para el estudio de contextos socio-ecológicos en el Holoceno. In Martín, C. (Coord.), *Excavaciones en el exterior 2011*. Spanish Ministry of Education, Culture and Sports. Informes y Trabajos 8: 261-272
- 2012** Madella, M., Ajithprasad, P., Balbo, A.L., Lancelotti, C., Rondelli, B., **Conesa, F.C.**, Fiorentino, G., Rajesh, S.V., Gadekar, C.S., Garcia, N., Yannito, V., Rodríguez, D., Mateos, J.L., Ruiz, J., García-Granero, J.J., La campaña de excavación 2010 del proyecto NoGAP: metodología interdisciplinar para el estudio de contextos socio-ecológicos en el Holoceno. In Cendón, O., Domingo, M., Muña, I. (Coords.), *Excavaciones en el exterior 2010*. Spanish Ministry of Education, Culture and Sports. Informes y Trabajos 7: 110:117
- 2010** Rubio, X., Hernández, X. (Coords.), **Conesa, F.C.**, Coma, L., Erill, G., Riart, F., Rojo, M.A., Santacana, J., Serra, F., Yubero, M., *Talamanca 1714. Arqueologia d'una batalla*. DIDPATRI Llibres de Matrícula, Camp de Mart, 2

#### Conference proceedings

- 2013** **Conesa, F.C.**, Devanthéry, N., Balbo, A.L., Madella, M., Rondelli, B., Applications of ENVISAT SAR for the identification of seasonally flooded areas in archaeological semi-arid contexts. *Proceedings of the European Space Agency Living Planet Symposium* (Edinburgh, 9-13 September 2013)
- 2011** Rubio, X., Yubero, M., **Conesa, F.C.**, Aplicación de nuevas técnicas de investigación en la Arqueología del Conflicto: la batalla de Talamanca (1714). *Actas de las II Jornadas de Jóvenes en Investigación Arqueológica*, 1: 201-210 (Madrid, 6-8 May 2009)

#### Coordination of scientific activities

- 2021** Session 009 *Archaeological site detection with machine learning and other computational approaches*. Landscape Archaeology Conference 2020+1 Madrid (online 8-11 June). Convener with H.A. Orengo, A. García-Molsosa, C.A. Petrie
- 2021** Session Hydrological and Settlement Landscapes. TwoRains Conference, University of Cambridge (online, 8th June). Convener with C.A. Petrie, A. Green
- 2020** Workshop *Computational approaches to archaeological site detection and monitoring*. McDonald Institute for Archaeological Research, University of Cambridge (29<sup>th</sup> February). Convener with A. Garcia-Molsosa, H.A. Orengo, C.A. Petrie
- 2019** Conference *IberoArchUK Archaeology beyond borders*. McDonald Institute for Archaeological Research, University of Cambridge (17<sup>th</sup> May). Scientific and organisation committee
- 2017** Co-editor of Special Issue *Socio-ecology at the small-scale: local manifestations of late Pleistocene/Holocene human and environmental dynamics*. *Quaternary International*, 437:B, with M. Madella and S. Markofsky
- 2017** Session *Remote Sensing for archaeology in arid lands*. Society for American Archaeology (Vancouver, CA, 29-2 April). Convener with S. Biagetti
- 2014** AINUBHA Seminar Series *Applied earth observation and remote sensing techniques for archaeology and the environment*. Spanish National Research Council and University of Barcelona (March-June). Convener with S. Markofsky

- 2013** Session *From patterns to process in settlements and landscape: can we explore alternatives?* and member of the Organization Committee of the *Young Researchers in Archaeology Conference – JIA*. Convener with M. Yubero and A. Angourakis (Barcelona, 7-11 May)
- 2012** CaSEs Seminar Series *Anthropic markers and geographical information sciences: a multi-scale perspective*. Spanish National Research Council (Barcelona, February-June). Convener with B. Rondelli and A.L. Balbo
- 2012** *CORONA orthorectification survey in N. Gujarat*. MS University of Baroda and Institute for Seismological Research (Gandhinagar, March-April). Coordination with S.V. Rajesh and R. Dumka
- 2009** *Projecte de prospecció arqueològica del Camp de Batalla d'Els Prats de Rei* (Spanish Succession War). DIDPATRI, University of Barcelona (May). Coordination with M. Yubero and M. Rojo

### Fellowships and research grants

- 2020** Research grant **Palarq Foundation** (€10,000).
- 2020** Research grant **Institut Ramon Muntaner**. XV convocatòria d'ajuts per a projectes d'investigació o de difusió cultural (n. AP13/20, €1,950).
- 2020-23** Postdoctoral fellowship **Juan de la Cierva-Incorporación**, Spanish Ministry of Science and Innovation (n. IJC2018-038319-I, €93,000)
- 2019** Research grant **Institut Ramon Muntaner**. XIV convocatòria d'ajuts per a projectes d'investigació o de difusió cultural (n. AP31/19, €2,000)
- 2018-20** Postdoctoral fellowship **Marie Skłodowska-Curie Individual Fellow** (H2020 MSCA-IF-2017, n.794711, €195,454.8)
- 2016-17** Postdoctoral fellowship, **SimulPast Project**, Spanish National Research Council (€12,109)
- 2015-16** Research fellowship, **SimulPast Project**, Spanish National Research Council (€16,496)
- 2014** Research grant **AINUBHA Seminars**, University of Barcelona and Generalitat de Catalunya (€1,100)
- 2012** Research grant **JAE international** (PhD placement and field survey), Spanish National Research Council (€6,500)
- 2011-14** PhD scholarship **JAE PreDOC**, Spanish National Research Council and European Social Fund (€60,878)
- 2009** Research grant **Els Prats de Rei Battlefield Archaeological Project**, University of Barcelona (€1,500)
- 2009** Research grant **COLAB**, University of Barcelona and Spanish Ministry of Education (€2,700)

### Studentships

- 2011** Training scholarship **ESA EOPI**, European Space Agency
- 2010** Mobility scholarship **Erasmus Placement**, Spanish Ministry of Education
- 2010** Mobility scholarship **Algerian Universities Programme**, Catalan Vives Network of Universities
- 2008** Research studentship **JAE-Intro International**, Spanish National Research Council
- 2008** Mobility studentship **DRAC - Winter Short Placement**, Catalan Vives Network of Universities
- 2008** Training scholarship **Summer School in Agrarian and Landscape Sciences**, University of Bologna
- 2008** Placement scholarship **DRAC - Winter Short**, Catalan Vives Network of Universities
- 2006-07** Mobility scholarship **Erasmus Programme**, Spanish Ministry of Education and Bancaja

### Earth Observation grants (PI for scientific data requests)

- 2020-21** *Planet* Education and Research individual license grant
- 2019-20** *WorldView satellite imagery to identify and protect archaeological features in the Cholistan Desert, Pakistan*. Data granted by DigitalGlobe Foundation
- 2016-18** *TerraSAR-X applications in reconstructing Holocene dynamics between societies and water resources in marginal zones*. Co-PI with S. Markofsky. Data granted by German Aerospace Centre, TerraSAR-X Science Service System and UNESCO, in collaboration with the Catalan Technology and Communications Centre
- 2012-14** *ENVISAT SAR data for understanding socio-ecological landscapes: case study from the North Gujarat Archaeological Project, India*. Data granted by the European Space Agency, in collaboration with the Catalan Technology and Communications Centre

## Talks and conferences

### Invited talks

- 2021 **Conesa, F.C.**, Garcia-Granero, J.J., Assessing Long-term Agricultural Practices and Land-use Impact in Northern Gujarat: What can We Learn from the Harappans? *International Webinar on Indus Civilization*, University of Kerala (16-19 March, online).
- 2021 **Conesa, F.C.**, Sentinel-based applications for the automated detection and monitoring of Cultural Heritage. Examples from South Asian archaeology. Panelist at the European Space Agency workshop *Space for Cultural Heritage* (24 February, online).
- 2021 **Conesa, F.C.**, Satellites, drones and field survey: spatial data in archaeological research. *Special Lecture Series 2021*, Department of Archaeology, University of Kerala (11 January, online)
- 2017 **Conesa, F.C.**, Lobo, A., Aplicaciones de la teledetección en arqueología: de los satélites a los drones. *71è Curs d'Arqueologia d'Empúries*. Museu d'Arqueologia de Catalunya (Empúries, 18 July)
- 2017 **Conesa, F.C.**, Aplicacions UAV per el patrimoni natural i cultural. *CatUAV Training Course in Applications in Drone Technology* (Barcelona, 23-25 May)
- 2015 **Conesa, F.C.**, García-Granero, J.J., Madella, M., Més enllà de l'Indus: Poblament, recursos i medi ambient al Gujarat del Nord (Índia). *Tribuna d'Arqueologia 2014-15*, Barcelona (25 February)
- 2014 **Conesa, F.C.**, El TupperSAT: Imatges de satèl·lit i geoarqueologia al Gujarat del nord, Índia. *AINUBHA Seminar*, Department of Prehistory, Ancient History and Archaeology, University of Barcelona (13 March)
- 2013 **Conesa, F.C.**, North Gujarat Archaeological Project. Using satellite imagery to understand environmental dynamics and Holocene settlement patterns. *Department of Archaeology, Durham University* (23 January)
- 2012 **Conesa, F.C.**, Rondelli, B., Satèl·lits del s. XXI i arqueologia: noves perspectives. *Department of Prehistory, Ancient History and Archaeology, University of Barcelona* (24 October)
- 2011 **Conesa, F.C.**, El Gujarat del nord (Índia): una perspectiva geoarqueològica. *IMF Seminars on Socio-Ecological Perspectives*, Spanish National Research Council (Barcelona, 7 July)

### Educational teaching and training

- 2021 Invited lecturer at *MA in Archaeology*, University of Barcelona (14 May)
- 2019 Invited lecturer at *MA in Archaeology*. University of Barcelona (13 December)
- 2019 Lecturer at *International Workshop on GIS, Remote Sensing and Geoarchaeology*. Department of Archaeology, University of Kerala (Thiruvananthapuram, 1-7 December), with A. Garcia-Molsosa and N. Égüez
- 2019 Invited lecturer in *Arid Landscapes: The archaeology of drylands* (ARC07 Module: Archaeological Theory and Practice II). Department of Archaeology, University of Cambridge (Lent Term)
- 2017 Lecturer at *International Workshop on Remote Sensing and GIS*. Department of Archaeology, University of Kerala (Thiruvananthapuram, 1-7 December), with N. Watanabe

### Communications

- 2021 **Conesa F.C.**, Orengo, H.A., Lobo, A., Garcia-Molsosa, A., Green, A.S., Petrie, C.A., Towards Big Earth Data: cloud-computing workflows for the automated detection and monitoring of endangered archaeological sites. *Computer Applications and Quantitative Methods in Archaeology* (Online, 14-18 June)
- 2020 **Conesa F.C.**, Garcia-Molsosa, A., Computational landscape archaeology in South Asia: integrated approaches for the remote detection of archaeological features. Workshop *Computational approaches to archaeological site detection and monitoring*. McDonald Institute for Archaeological Research, University of Cambridge (29<sup>th</sup> February)
- 2019 **Conesa F.C.**, Garcia-Molsosa, A., Orengo, H.A., Green, A.S., Petrie, C.A., Towards the automatization of remote site detection: use of large-scale geospatial datasets to document archaeological sites in the Cholistan Desert, Pakistan. Annual Conference Indian Society for Prehistoric and Quaternary Studies (Thiruvananthapuram, 7-9 November).
- 2019 **Conesa F.C.**, Garcia-Molsosa, A., Orengo, H.A., Green, A.S., Petrie, C.A., Sentinel-based multi-temporal and multi-sensor data integration in GE Engine for the machine learning detection of archaeological mounds: perspectives from South Asian archaeology. *European Space Agency Living Planet Symposium* (Milan, 13-17 September)

- 2018** García-Granero, JJ., **Conesa F.C.**, Food or cash? Assessing long-term agricultural practices and land-use impact in Gujarat, NW India. *Lessons from the Past: Archaeology, Anthropology and the Future of Food* (Oxford Martin School, University of Oxford, 23 August)
- 2018** **Conesa, F.C.**, MarginScapes: Long-term land use and water management strategies in arid margin landscapes. *PostDoc Forum*, McDonald Institute for Archaeological Research (20 May)
- 2015** Biagetti, E., **Conesa, F.C.**, Merlo, S., Ethnoarchaeology in arid lands: insights and perspectives from the Sahara. *Current Ethnoarchaeology* (Rome, 25-27 November)
- 2015** García-Granero, JJ., **Conesa F.C.**, Balbo A.L., Lancelotti, C., Madella, M., Ajithprasad, P., Long-term sustainable land-use strategies in monsoonal semi-arid regions: the case of North Gujarat (India). *48th Annual Chacmool Archaeology Conference "Shallow Pasts, Endless Horizons: Sustainability & Archaeology"* (Calgary, 11-14 November)
- 2015** **Conesa, F.C.**, Biagetti, E., Merlo, S., Inaccessible and Remote Archaeological Landscapes. Earth Observation to explore late Holocene human-environment interaction in the Central Sahara. *ESA-EARSeL Workshop in Advances in Remote Sensing for Cultural Heritage* (ESA ESRIN, 12-13 November)
- 2014** **Conesa, F.C.**, Balbo, A.L., Madella, M., Rondelli, B., Lancelotti, C., Ajithprasad, P., A matter of scale: a remote sensing approach to Holocene archaeology in semi-arid areas (North Gujarat, India). *European Association for South Asian Archaeology and Art conference* (Stockholm, 30 June-4 July)
- 2014** **Conesa, F.C.**, García-Granero, JJ., Not just digging: multi-disciplinary approaches in archaeology. *Interdisciplinary Meeting of Predoctoral Research - JIPI* (Barcelona, 6 February). Best Presentation Award
- 2012** **Conesa, F.C.**, Balbo, A.L., Rondelli, B., Madella, M., Ajithprasad, P., A remote sensing approach for identifying (geo)archaeological evidences: North Gujarat, India. *European Association for South Asian Archaeology and Art conference* (Paris, 2-6 July)
- 2012** **Conesa, F.C.**, Balbo, A.L., Rondelli, B., Madella, M., Ajithprasad, P., Surveying the dunes: a quantitative approach to classify archaeological evidence in North Gujarat. *ICHR Sponsored International Seminar on Harappan Sites in Western India-Gujarat*, Deccan College, Deemed University (Pune, 22-24 March)
- 2009** Rubio, X., Yubero, M., **Conesa, F.C.**, Aplicación de nuevas técnicas de investigación en la Arqueología del Conflicto: la batalla de Talamanca (1714). *JIA Young Researchers in Archaeology Conference* (Madrid, 5-7 May)

#### Poster presentations

- 2018** **Conesa, F.C.**, The Cholistan Desert (Pakistan): EO-based approaches to investigate long-term land use and water management strategies. *Landscape Archaeology Conference* (Newcastle, 17-20 September). Best Poster Award
- 2015** **Conesa, F.C.**, Biagetti, S., Preserving cultural landscapes through citizen engagement: the role of Earth Observation in crowdsourcing-based applications for the archaeological research. *Earth Observation Open Science 2.0* (European Space Agency – ESRIN, Frascati, 12-14 October)
- 2013** **Conesa, F.C.**, Devanthy, N., Balbo, A.L., Madella, M., Rondelli, B., Applications of ENVISAT SAR for the identification of seasonally flooded areas in archaeological semi-arid contexts. *European Space Agency Living Planet Symposium* (Edinburgh, 9-13 September)
- 2012** **Conesa, F.C.**, Balbo, A.L., Rondelli, B., Madella, M., Ajithprasad, P., An integrated remote sensing approach for regional geoarchaeology in north-western India. *Computer Applications and Quantitative Methods in Archaeology* (Southampton, 26-29 March)
- 2011** **Conesa, F.C.**, Balbo, A.L., Rondelli, B., Madella, M., Ajithprasad, P., Remote sensing and geoarchaeology for understanding prehistoric settlements in marginal zones: the example of North Gujarat (India). *ESA Advanced Land Training Course in Land Remote Sensing* (Krakow, 12-16 September)
- 2010** **Conesa, F.C.**, Remote sensing, geoarchaeology and GIS integration data: The North Gujarat Archaeological Project (India). *JIA Young Researchers in Archaeology Conference* (Barcelona, 6-8 May)

#### Outreach events

- 2021** Interview with J.J. Priego, *Los orígenes de la Civilización del Indo en Kachchh, India* (online, Twitch). Palarq Foundation
- 2021** Masterclass Palarq Foundation *Los orígenes de la Civilización del Indo* (online, Youtube). With J.J. García-Granero
- 2021** Article *Tras los orígenes de la Civilización del Indo*. National Geographic Historia, March volumen. With J.J. García-Granero

- 2019 Organisation of outreach events on behalf of the Postdoctoral Committee, McDonald Institute for Archaeological Research, University of Cambridge
- 2019 Participation at the *Cambridge Festival of Ideas: Earth Observation for Archaeology*. Demonstration and interactive game at the Donald Institute for Archaeological Research, University of Cambridge. With A. García-Molsosa
- 2013-15 Co-founder of AINUBHA (Association of Researchers in History and Archaeology of the University of Barcelona) and organisation of outreach seminars and activities
- 2011 Development of *The North Gujarat Archaeological Project videoblog*. Recerca en Acció, Generalitat de Catalunya. With J.J. García-Granero

### Past research projects (as team member)

- 2016-17 *Modelling cultivation in Prehistory (CULM)*. Spanish Ministry of Economy, Industry and Competitiveness (n. HAR2016-77672)
- 2015-17 *Earth Observation and 3D data for the preservation of Cultural Heritage (PaisArque)*. BBVA Foundation Digital Humanities
- 2011-17 *Social and environmental transitions: simulating the past to understand human behaviour (SimulPast)*. Spanish Ministry of Science and Innovation and CONSOLIDER Programme (n. CSD2010-00034)
- 2015-16 *Modelling anthropic markers in ethnographic and archaeological contexts (MoMARq)*. Spanish Ministry of Economy and Competitiveness (n. HAR2014-55518)
- 2011-13 *People, resources and environment in arid zones: the case study of North Gujarat*. Spanish Ministry of Science and Innovation (n. HAR2010-16052)
- 2010-12 *North Gujarat Archaeological Project (NoGAP)*. Programa de Ayudas para Proyectos Arqueológicos en el Exterior. Spanish Ministry of Education, Culture and Sports
- 2009-10 *Museology, education and interpretation of archaeological contexts (DIDPATRI)*. Spanish Ministry of Education, Culture and Sports (n. EDU2008-00427)

### International placements

- 2020-21 Visiting scholar. Archaeological Micromorphology and Biomarkers Laboratory (AMBI Lab), **University of La Laguna**
- 2015-16 PhD visiting student, Department of Humanities, **Pompeu Fabra University**
- 2013 PhD visiting student, Department of Geography, **Durham University** (January-February)
- 2012 PhD visiting student, Department of Archaeology and Ancient History, **Maharaja Sayajirao University of Baroda** (March-May)
- 2010 MA visiting student, Charles McBurney Laboratory for Geoarchaeology, McDonald Institute, **University of Cambridge** (August-December)
- 2008 BA visiting JAE-Intro, **Spanish School of History and Archaeology in Rome** (September-November)
- 2006-07 BA Erasmus Programme, Department of Archaeology, **University of Bologna** (September-February)

### Scientific training courses (attendee)

- 2018 *1st Workshop on Advanced Computational Archaeology*. Catalan Institute of Classical Archaeology (Tarragona, 1-5 November)
- 2018 *Orfeo TooBox User Days*. Centre National d'Etudes Spatiales. Montpellier, 19 October)
- 2018 *Google Geo for Good User Summit*. Google Event Centre (Sunnyvale, 1-5 October)
- 2018 *Google Earth Engine User Summit*. Google Campus (Dublin, 12-14 June)
- 2015 ESA-EARSeL training course on *Application of radar remote sensing techniques for archaeological research*. European Space Agency (ESRIN, 9-11 November)
- 2015 Training course *Introduction to R software for Earth Sciences*, ICTJA-Spanish National Research Council (January-March, Barcelona)
- 2012 ESA-EARSeL *First remote sensing and cultural heritage course in Radar Polarimetry applications for the study and observation of archaeological sites*. European Space Agency and University of Ghent (17-18 September)
- 2011 *ESA Advanced land training course in Land Remote Sensing*. European Space Agency and Jagiellonian University (Krakow, 12-16 September)

- 2011** *Advanced user course in ArcGis (ArcInfo) - Spatial Analyst*. Laboratory of Geographical Information and Remote Sensing, Autònoma University of Barcelona (20-25 May)
- 2008** Summer School *Archaeological and touristic itinerary planning in mountain agrosystems*. Faculty of Agrarian Sciences and Faculty of Archaeology, University of Bologna (Noè di Loiano, 21-31 August)

### Archaeological fieldwork (as team member)

- 2019-21** UAV-based surveys within the *Pollentia Archaeological Project*, Alcúdia, Spain. University of Barcelona (Roman town)
- 2019** Geoarchaeological and ethnoarchaeological survey with the *Western Mongolia Archaeology Project*, Mongolia. Western Kentucky University and National Museum of Mongolia (Bronze Age Inner Asia)
- 2017** *Els Castellanos*, Tamarite de Llitera, Spain. Instituto de Estudios Aragoneses and Catalan Institute of Classical Archaeology (Early Islamic)
- 2014** Geoarchaeological survey with the *Ancient Merv Project*, Turkmenistan. University College of London and Ancient Merv Archaeological Park (Central Asia Silk Road)
- 2010-12** Geoarchaeological surveys with the *North Gujarat Archaeological Project*, India. Spanish National Research Council and University of Baroda (Indus Valley Civilization)
- 2010** Summer School at *Beni Abbes*, Algeria. Algerian Universities Programme, Catalan Vives Network of Universities (restoration of traditional village buildings)
- 2009** *International Archaeological Course of Empúries*, Spain. Archaeological Museum of Catalonia (Roman town)
- 2008** 1) *Monte Testaccio*, Italy. University of Barcelona and University La Sapienza (Artificial Roman hill); 2) *Tusculum*, Italy. Spanish School of History and Archaeology in Rome (Roman town); 3) *Monterenzio Vecchio*, Italy. University of Bologna (Late Iron Age site); 4) *International School of Archaeology at Lattes*, France. French National Center for Scientific Research (Iron Age and Roman town); 5) *L'esquerda*, Spain. University of Barcelona (Medieval town)
- 2005-07** Fieldwork and excavation at *Puig Castellar - Ullastret*, Spain. Archaeological Museum of Catalonia (Late Iron Age fort)
- 2007** 1) *Battlefield of Talamanca*, Spain. University of Barcelona (Spanish Succession War); 2) *International Mediterranean Seminar of Kerkouane*, Tunisia. Tunisian National Heritage Institute and UNESCO (Punic town); 3) *Castellet de Banyoles*, Spain. University of Barcelona (Late Iron Age fort), 4) *Segeda*, Spain. Centre for Celtiberic Studies of Segeda (Late Iron Age town)
- 2006** 1) *Sebes*, Spain. University of Barcelona (Early Iron Age site); 2) *Pi de la Lliura*, Spain. Archaeological Museum of Catalonia (Late Bronze Age site); 3) *El Romeral*, Spain. University of Barcelona (Roman villa)
- 2005** *Castell de Llordà*, Spain. Arqueociència (Medieval castle)
- 2004** *Castell de Montsoriu*, Spain. Montseny Ethnographical Museum (Medieval castle)

### Commercial Archaeology

- 2009** Archaeological officer, **Fragments SA** (rescue project in Av. Vilanova-Roger de Flor, Barcelona, Spain, February-March)
- 2008** Archaeological officer, **Arkeòlik SA** (rescue project in Cal Barrier, Puigcerdà, Spain, July)

### Languages

- Catalan** Native
- Spanish** Native
- English** Fluent spoken and written
- Italian** Fluent spoken and basic written

### Active memberships

- Editorial Board, **Computer Applications & Quantitative Methods in Archaeology**
- Member of the **European Association for South Asian Archaeology and Art**