



IPHES^R

Institut Català de Paleoecologia
Humana i Evolució Social



2018 Annual Report

Board of Trustees





Homo urbanus - original painting donated by the Canadian artist Sacha Barrette. IPHES researcher Deborah Barsky has been the promoter of the initiative

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Message from the director



Robert Sala, IPHES director - IPHES

The Catalan Institute of Human Palaeoecology and Social Evolution is committed with the frontier between investigation, training of new researcher cohorts and social impact. This is our “ecological” domain and these three dimensions are driving our action.

The core link of these three domains is the territory where we are specifically established. IPHES is an institution of international ambition installed in Tarragona and aiming to the international impact of the research and training made from that specific region. Although the IPHES researchers and teams are developing projects all around the world that we use for the training of international Master and PhD students, we are also committed to the development of an intense archaeology in the region of Tarragona and Catalonia. Indeed, we are interested in using those sites for the training of both national and international students. We would like to use sites such Barranc de la Boella, Molí del Salt, Teixoneres, Abric Romaní or Camp dels Ninots for the internationalisation of our

research and activity. They also are the object of many of the socialisation initiatives: a public adaptation of the visit at Teixoneres while the musealization at Caldes de Malavella and la Canonja are current and future projects that link IPHES to the immediate territory.

Those sites and the facilities in Tarragona have also been attractive for the celebration of meetings, workshops and congresses. The Obermaier Society has chosen IPHES and Tarragona for their 2018 annual meeting and the International Maar Conference has been hosted at Caldes de Malavella and visited the Camp dels Ninots site. IPHES hosted three other conferences: the Jóvenes en Investigación Arqueológica conference, an International Workshop Catalonia-Israel 2018 and the Crossdem.

Our commitment to the territory is marked first by the numerous excavations we undertake in the Camp de Tarragona region, but also by the outreach activities there, comprising formal and non-formal education and exhibitions. During 2018, one action has been especially relevant: the inception of a city councils network to gather all the cities and villages where we have some activity all around the Camp de Tarragona region and Catalonia.

Overall, our main activity is research on archaeology of human origins and evolution on sites from Europe, North and East Africa, Middle East and Caucasus, and Pacific Asia and North America. This research has produced a total of 82 papers in IF journals, including a 63,4% in Q1. These figures represent an important change: the production is more reduced but it has more quality. It is to highlight the special leadership by female researchers, marking an improvement in the role of women in our research.

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In connection with the investigation, I would like to comment the main issue concerning the academy and training programmes. We have had nine PhD theses defended within our *Erasmus Mundus* Doctoral programme.

The research results for 2018 need still to be improved in some figures as it is for the leadership of papers and the number of

highly cited papers. There are other domains where our institution also needs an enhancement. We need to achieve more European projects and grants and to proceed to the internal reorganization of the staff. We have invested a good effort in that sense during 2018 and we will do more in the forthcoming months. We have to improve our attractiveness and, specially, our capacity to retain talented researchers.

Robert Sala





Management

About us: General data for 2018

The Institut Català de Paleoecologia Humana i Evolució Social (IPHES) is a research center created in 2005 with the aim to carry out excellent research in the field of Paleoecology and Human Evolution. We study the biological and cultural context of Human Evolution from the Prehistory with an evolutionary perspective, by crossing different disciplines applied to the archaeopaleontological remains.

By the year 2018, we have reached 82 articles in journals of the highest standard in our field. We also have continued to widen the spectrum of multidisciplinary publications such as *Nature*, *Science* or *Proceedings of the National Academy of Sciences*, among others.

Still in the international field, we promote different events during the year aiming at sharing here with other researchers across the world knowledge and expertise in specific issues hosted by IPHES together with different organizations):

- 60th Obermaier Annual Meeting of the Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age
- *Cross-Dem* (Cross-Disciplinary Approaches to Prehistoric Demography)
- XI Jornadas de Jóvenes en Investigación Arqueológica (JIA)
- Internal Workshop IPHES & URV *Erasmus Mundus* Research Exchange and Collaboration (EMREC): Catalonia-Israel 2018

IPHES has been involved in all three stages of university studies (bachelor's, master's and doctorate) in collaboration with the Universitat Rovira i Virgili (URV) and the Universitat de Girona (UdG)-Fundació Mona. During the year 2018, we have offered the following degree courses:

- Bachelor's Degree in History (URV)
- Bachelor's Degree in Anthropology and Human Evolution (URV/UOC)
- Master's Degree in Quaternary Archaeology and Human Evolution (*Erasmus Mundus*)
- Doctoral Programme in Quaternary and Prehistory (*Erasmus Mundus*)
- Master's degree in Primatology (UdG)

The management of the IPHES has been facing great challenges adapting usual internal procedures to the numerous norms applying to Foundations. Moving towards a management model close to the one used in the public sector is another fact to be taken into account.

We would like to mention some regulations entering into force that affected usual activities of Management, such as the European Data Protection Regulation, the Law of Public Procurement, as well as the new Transparency Law.

On the other hand, the difficult political situation of 2018 has added a great deal of uncertainty that affects the normal practice of planning carried out by a research centre. During 2018, the Administration of the State has intervened (operated) some institutions, including the IPHES, causing a need to reorganize the administration to new requirements of accountability.



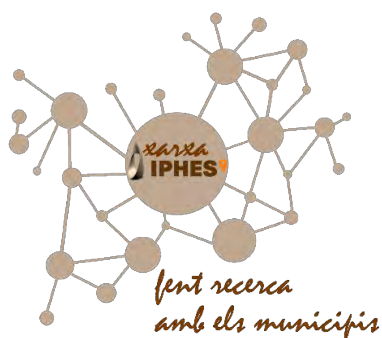
In 2018, the Intervention of the Generalitat has urged IPHES to attach to the Administration of the Regional Government in compliance with the criteria of article 129 of Law 40/2015. On the other hand, IPHES has been included within the ECA (European System of Accounts) 2010, the system of national accounts and regional accounts used by members of the European Union

From the economic point of view, in order to contribute to the economic viability of the centre, IPHES has applied to European Union Funds, especially those related to European Regional Policy such as the European Regional Development Fund (ERDF), the European Social Fund (ESF), and the European Agricultural Fund for Rural Development (EAFRD). This strategy has been implemented to complement those European Funds within the Horizon 2020 that are already in application in IPHES.

In the field of European Regional Policy, IPHES has been granted with a Regional Research and Innovation Strategy for smart Specialization, PECT-RIS3CAT. This project, called TurisTIC in family, has been provided with a budget of more than 200,000 euros. It will allow families to immerse themselves in the Pleistocene era, through a subjective experience provided by new technologies. The project is supported by the Tarragona Provincial Council and the Canonja Town Council.



On the other hand, the Management area has implemented a great alliance with the territory setting up a network composed by more than 40 municipalities participating in more than 70 activities in 2018. You can see further information on the Chapter "Xarxa de municipis IPHES" of the report, entirely devoted to this issue.

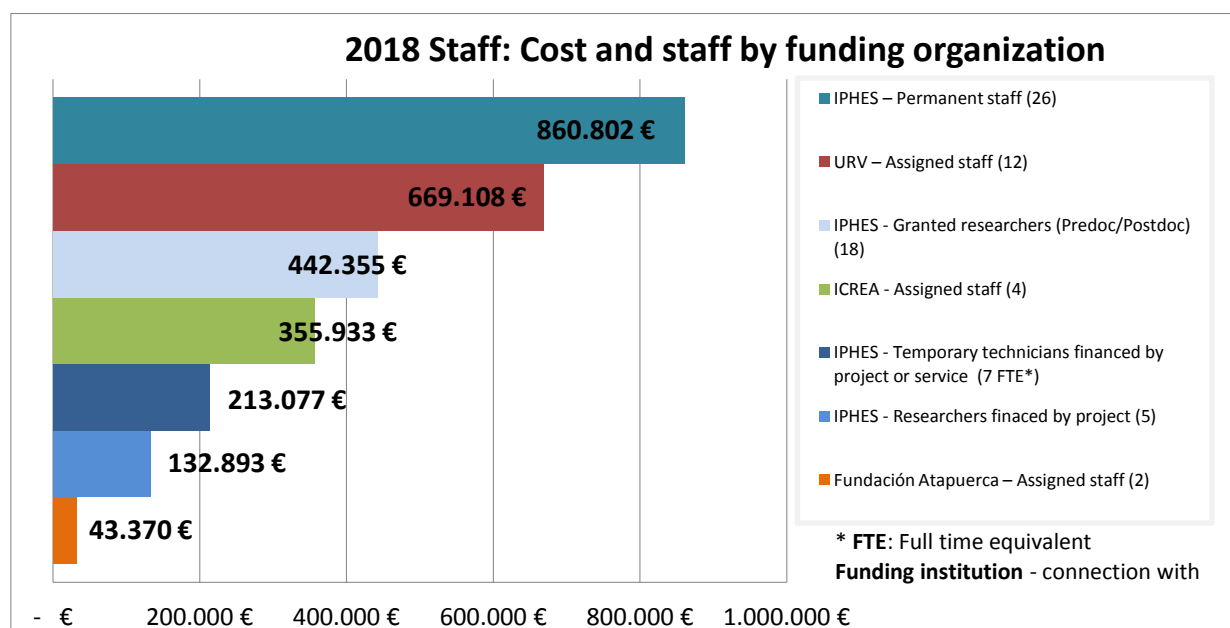


Still in this field of territorial collaboration, the Management Area has driven the partnership IPHES-Diputació de Barcelona, assuming its role as scientific partner of the Biblollabs network, composed by more than 90 libraries. Diputació de Barcelona has also played a key role funding the infrastructure needed for the site of Teixoneres Cave in the municipality of Moià. It was essential to protect the site after having discovered a Neanderthal child tooth, making it possible to move forward in the research project. The Department of Culture of the Generalitat de Catalunya, together with IPHES and Moià signed an agreement to make it possible.

Moreover, it is necessary to be outlined the support offered by all the Municipalities for their logistic and economic support to the excavations undertaken in their locations, as well as the support offered by Diputació de Tarragona. You can have detail of it in the Chapter “*Xarxa de Municipis IPHES*” in this report.

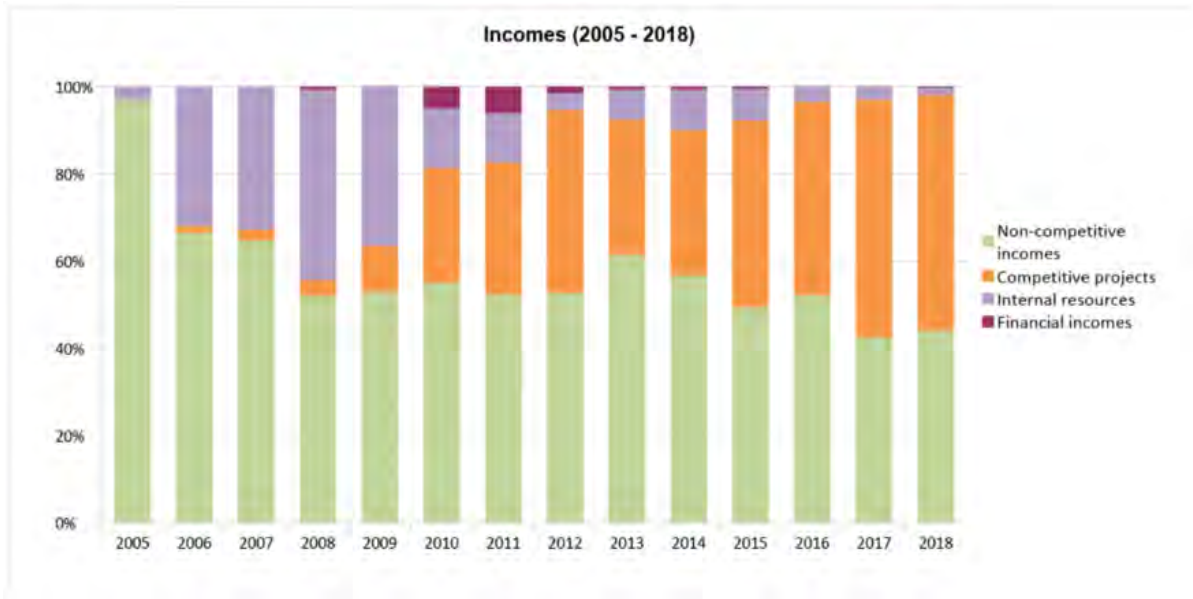
IPHES has in mind that one main duty of this Research institute is to spread science among citizens. In order to accomplish it IPHES has carried out an active communication strategy addressed to the public. These have achieved a cumulative audience of 34.135.149 recipients.

On the economic point of view, 2018 closes with a positive result, as it did in 2017, after some years of economic difficulties and negative results. We emphasize that more than half of the income obtained in 2018 comes from competitive projects.



IPHES funding institution bar chart





IPHES historicum bar chart

From the Human Resources point of view, we are aware as institution devoted to research, that it is necessary to look attractive to researchers looking for a new destination. To have been recently awarded, in December 2017 by the European Commission with the Label HRS4R (Human Resources Strategy for Researchers) helps to that aim.

The HRS4R aims to introduce a series of actions to improve its human resources policies in keeping with European directives, and to achieve this objective it has carried out a self-analysis that has allowed it to draw up an Action Plan.



This 2018 IPHES has approved his Gender Equality plan to ensure equality of opportunities in the recruitment of researchers and promote the access of women to research group leadership positions.

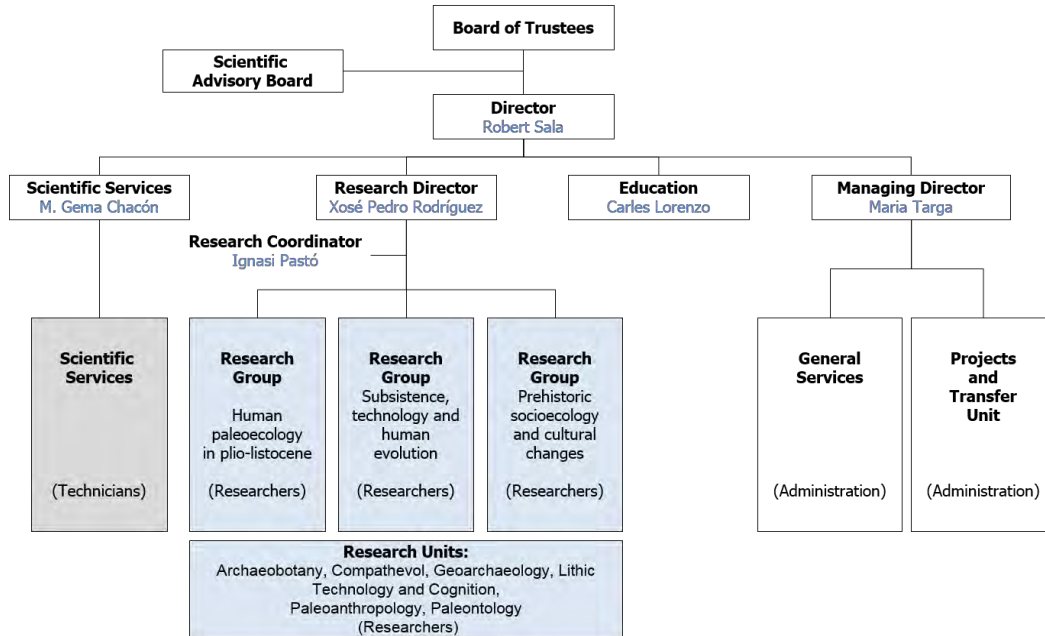
IPHES has a team of 49 researchers, 11 support technicians and 9 management members. The institute has 3.105 m2 devoted to outstanding facilities granted by FEDER (European Regional Development Fund). Our labs are equipped in order to develop a wide range of archaeological research and we also have collections service supported by technical staff.





Projecte cofinançat per la Unió Europea
Fons europeu de desenvolupament regional
"Una manera de fer Europa"

IPHES Organization Chart



IPHES organization

IPHES is a member of CERCA system (Centres de Recerca de Catalunya) and the Catalan Association of Research Centres (Associació Catalana d'Entitats de Recerca - ACER).

This year IPHES has been appointed as a member of the board in the Catalan Association of Foundations, institution that involves 600 Foundations.



2018

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SCIENTIFIC & TECHNICAL SERVICES

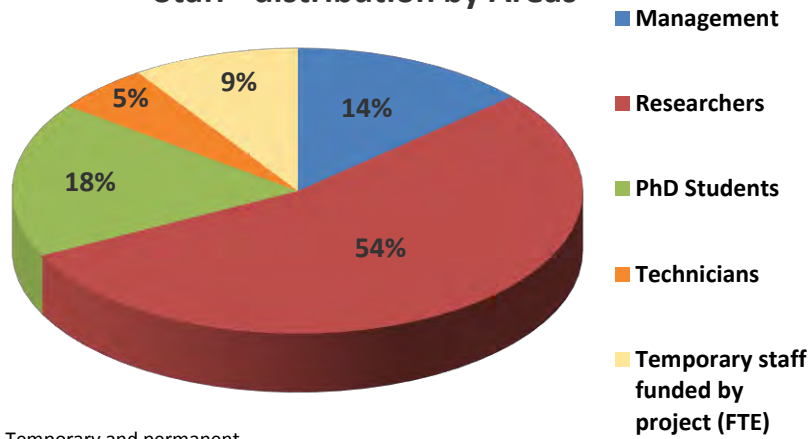
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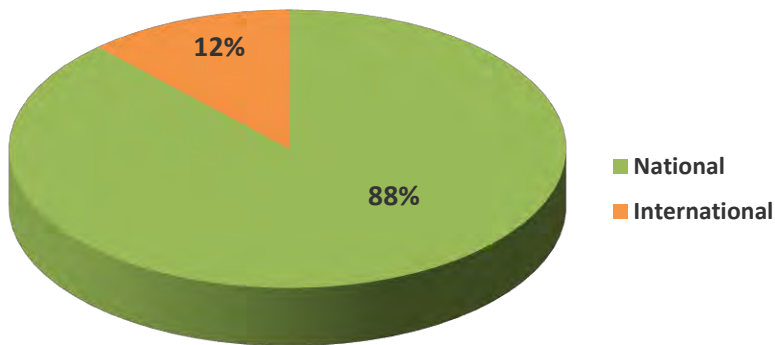


Staff* distribution by Areas



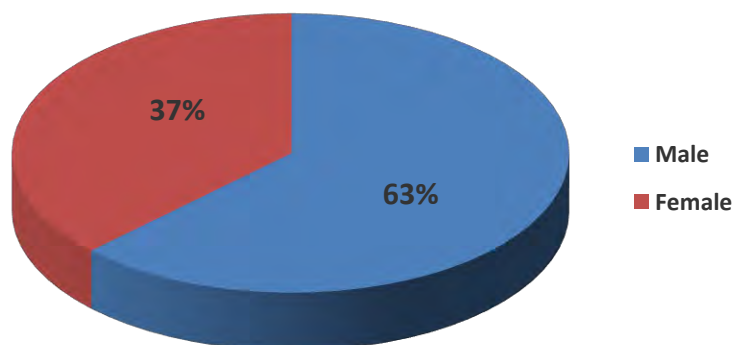
* Temporary and permanent

Staff* distribution by Geogrphy



* Only permanent staff

Staff* distribution by Gender



* Only permanent staff



Scientific Advisory Board



Scientific Advisory Board - IPHES

Dr. José María Bermúdez de Castro (President)

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Director of Georgian State Museum

Prof. Carlo Peretto

Università degli Studi di Ferrara
President of the Faculty of Sciences
Dip. Scienze Geologiche e Paleontologiche

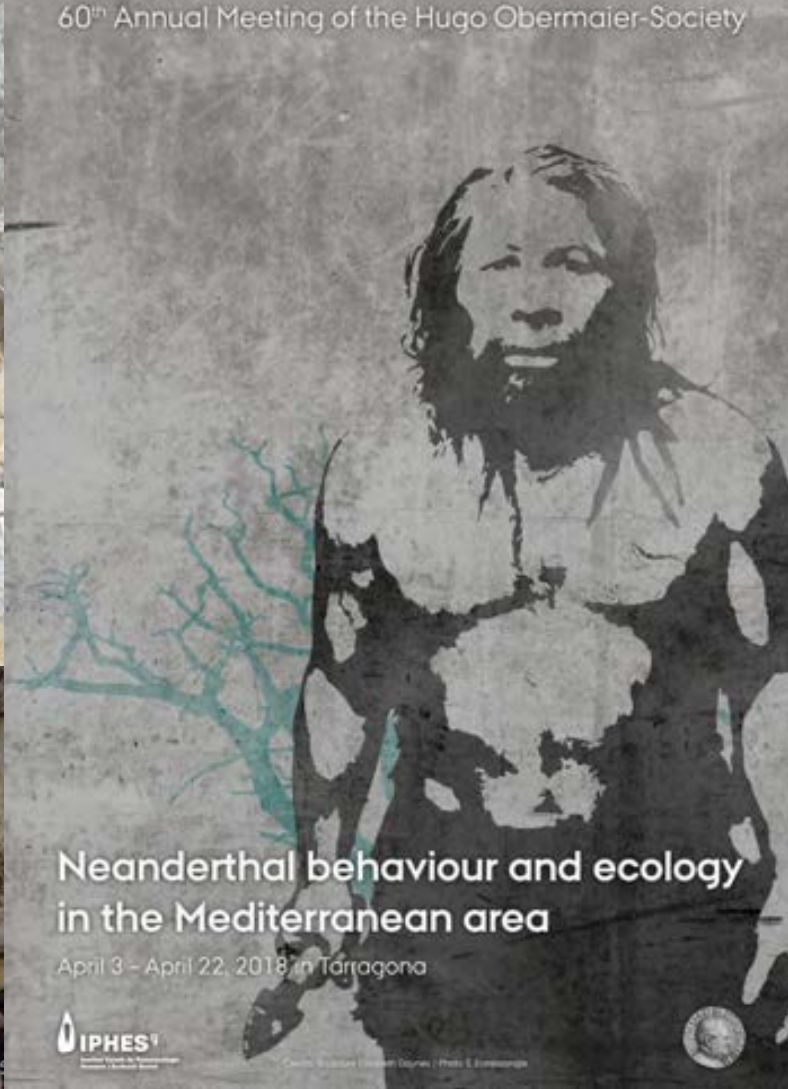
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Research



Research Groups

Human Palaeocology in the Plio-Pleistocene (PalHum)

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Reference: SGR 2017 859

The objectives of PalHum focus on establishing the context of the Pleistocene human migration in the Mediterranean area from a triple approach: 1. the global climatic changes as a forcing factor on hominin dispersal timing and mode; 2. hominids-carnivores coevolution and interactions and their implication for dispersal/subsistence, and 3. the study of techno-behavioral compartments (Acheulean vs. Oldowan) and their implications for population replacement, and/or cultural transmission across the Mediterranean. All three aspects, techno-cultural innovation, climate evolution and associated faunal interactions have acted as significant drivers in the different episodes of human dispersal from the Pliocene to Middle Pleistocene.

Then in addition to these objectives, PalHum formalized for the new period (2017-2019) a fourth emergent objective: the investigation of the social and economic impact of our scientific research at Barranc de la Boella (La Canonja, Tarragona) and Camp dels Ninots (Caldes de Malavella, Girona).

Thus research topics are as follow:

A. Human and faunal dispersals during the Quaternary: Tempo and Mode

- A1. Pliocene and Pleistocene Eurasian faunal dispersals
- A2. Biochronology of the first hominid remains into Mediterranean area and abroad
- A3. First human settlements in Eurasia, Northern Africa, and Horn of Africa
- A4. Paleoenvironmental and paleoclimatic context of first hominid dispersal

B. Hominines-Carnivores interactions

- B1. Hominids-Sabertooths coevolution (*Meganteron whitei*)
- B2. Hyenas-Hominids interactions (*Pachycrocuta brevirostris*, *Crocuta crocuta* and *Hyena hyena*)
- B3. Interaction with social carnivores (*Lycaon lycaonoides*)



C. Early Technological Behavior (Oldowan vs. Acheulean)

- C1. Stone Tools (Raw Materials, Lithic Technology, Use-Wear/Residue Analyses)
- C2. Information Systems in archaeo-paleontological sites: social and spatial behavior
- C3. Dispersal/Transmission of techno-cultural innovations

D. Heritagization of the archaeo-paleontological record

- D1. Non-formal scientific education in geosciences and the archaeological record as a source of young public engagement of science
- D2. Monitoring the cultural equipment, including how to communicate or transfer archaeo-paleontological contents in order to build sustainable infrastructures

We approach these questions through work at different paleontological and archaeological sites (underlined when led) from Eastern Africa to Western Eurasia and the Mediterranean Basin:

1. **Pliocene:** Camp dels Ninots (Spain), Baza (Spain).
2. **Early Pleistocene:** Barranco León and Fuente Nueva 3 (Spain), Quibas (Spain), La Boella (Spain), Bois de Riquet (France), Pirro Nord (Italy), Aïn Beni Mathar and Guefaït Basins (Morocco), Oued Sarrat Basin (Tunisia), Ternifine (Algeria), Dmanisi (Georgia), Bizat Ruhama (Israel), Engel Ela-Ramud Basin and Danakil Depression (Eritrea).
3. **Middle Pleistocene:** Cova dels Xaragalls (Spain), Santa Ana Cave (Spain), N'gaous (Algeria), Caune de l'Arago (France), Azokh Cave (Nagorno Karabagh).

Concerning **knowledge transfer**, PalHum is consolidating and strengthening the ongoing activities related with heritage valorisation of paleontological and archaeological sites, both in Catalonia and abroad.

On one hand, the research group is leading, together with local and provincial administration, the scientific advice and contents of the tourist route and the construction of the visitor centre around the Camp dels Ninots paleontological site. These activities are co-funded by the *Strategic Plan for Touristic Development 2013-2016* of Catalonia, *Heritagization Plan* of Catalonia and the City Council of Caldes de Malavella.

On the other hand, the group is also leading the heritagization process of Barranc de la Boella archaeological site, which has become part of the "TurisTic en família" project within the Regional Innovation for Smart Strategic Specialization of Catalonia (RIS3CAT), incorporating local and provincial administration stakeholders (Ajuntament de La Canonja, Diputació de Tarragona). This project allows PalHum to advice, provide contents and monitor the design of a prehistoric experience to boost cultural tourism, contributing to the development of the experience economy in *Costa Daurada*, an important family tourism destination of Tarragona province.

Furthermore, the research results of the group related with the archaeological sites of the Guadix-Baza Basin (Granada, Andalusia) is continuing to provide advice and updated contents to the new Centro de Interpretación de los Primeros Pobladores de Europa (Orce, Granada), co-funded by FEDER. And finally, at an international level, the group is following on with the research and knowledge transfer collaboration for the development of the National Museum of Georgia and Université Mohammed Premier Oujda for valorisation of Dmanisi archaeological sites and the archaeological heritage of Eastern Morocco, respectively.



Prehistoric Socioecology and Cultural Changes (GAPS)

Principal investigator: Dr. Ethel Allué.

Researchers: Dr. Elodie Brisset, Dr. Francesc Burjachs, Dr. M. Gema Chacón, Dr. Aleix Eixea, Dr. Javier Fernández López de Pablo, Dr. Magdalena Gómez-Puche, Dr. Juan Manuel López-García, Dr. Sergi Lozano, Dr. Rowa Mac Laughin, Dr. Ignasi Pastó, Dr. Ana Polo-Díaz, Dr. Florent Rivals, Dr. Jordi Rosell, Dr. Fabio Silva, Dr. Carlos Tornero and Dr. Manuel Vquero.

PhD students: Susana Alonso, Maite Arilla, Aitor Burguet-Coca, Carolina Cucart, Leopoldo Pérez, Jose Ramon Rabuñal and Carlos Sánchez.

Technical staff: Isabel Expósito, Núria Ibáñez and Gala Gómez-Merino

Colaborations: Cristina Val, Ivan Ramirez and Céline Kerfant

Reference: 2017 SGR 836

The scientific activity of the group is focused on the study of ecology, population dynamics and cultural changes that characterize human societies throughout prehistory, from the earliest evidence of Neanderthal behaviour to the emergence of the first agricultural societies and livestock practices (Neolithic). This research is conducted from a multidisciplinary approach, integrating data from different disciplines, lithic technology, zooarchaeology, taphonomy, palaeontology, archaeobotany, spatial analysis, symbolic expression and computational models.

The group is composed by 16 researchers, 3 technicians and 7 doctoral students. The core of the research group is formed by four researchers with tenured research positions (Ethel Allué [group coordinator]; M. Gema Chacón, Sergi Lozano, Ignasi Pastó; Jordi Rosell, Manuel Vaquero and Javier Fernández López de Pablo), two ICREA research Professors (Francesc Burjachs and Florent Rivals), and one tenure-track researcher j.; Juan Manuel Lopez-García .

In the group, there have been 8 incorporations of young researchers as a result of public competitive Spanish and European calls. These researchers are integrated in the group providing new challenges to our strategic objectives. Francesca Romagnoli, PhD (Marie Skłodowska-Curie Fellow) and Aleix Eixea, PhD (Juan de la Cierva Fellow) develop research on the Neanderthal lifeways analyzing behavioral patterns on the basis of lithic technology and point pattern spatial analysis. Elodie Brisset, PhD (Marie Skłodowska-Curie Fellow) develops research based on paleoenvironmental setting during the early Holocene based on a multiproxy approach on paleogeography as a complement and continuity of the former member of the group Samantha Jones, PhD (Marie Skłodowska-Curie Fellow 2014-2016). Research on combustion structures micromorphology will be developed by Ana Polo-Díaz, PhD (postdoctoral researcher ERC PALEODEM), and research on the integration of proxies related to dating to be applied to past demography will be carried out by Magdalena Gómez Puche, PhD (postdoctoral researcher ERC PALEODEM). Fabio Silva, PhD (Marie Skłodowska-Curie Fellow) develops computational models to study postglacial dispersals from a Niche Construction perspective. Rowan Mac Laughin (postdoctoral researcher ERC PALEODEM) carries out research on chronological modelling, palaeodemographic analysis, and time-series based analysis and meta-analysis of archaeological and environmental data from Iberia. Finally, Carlos Tornero, PhD (Beatriz de Pinós Fellow) has integrated biogeochemical analyses to improve our understanding of domestication process regarding livestock economy and husbandry.



Additionally, the team includes 7 pre-doctoral students (Susana Alonso, Carolina Cucart, Aitor Burguet-Coca; Leopoldo Pérez; Carlos Sánchez; Maite Arilla; Jose Ramón Rabuñal) from different grants schemes (primarily ERC PALEODEM, MEC - FPU, FI AGAUR, Fundación Atapuerca).

The group also rely on 3 technicians providing support for archeobotany (Isabel Expósito), archeological collections (Núria Ibáñez), and conservation (Gala Gómez Merino). Special attention will be given to the excavation and restoration of the Neanderthal from Cova Foradà which is deposited at IPHES.

The research group is aimed at studying the cultural and behavioral changes, the ecology and population dynamics of Neanderthals and modern humans from the final Middle Pleistocene to the early Holocene. During this period, three major processes took place: 1) the origin of Neanderthal behavior; 2) the Middle to Upper Paleolithic transition and 3) the beginning of a productive economy. The 6 main strategic objectives encompassing the specific challenges are inter-linked with other ongoing projects leaded or participated by the members' Group.

- 1) Technology and material culture.
- 2) Subsistence strategies.
- 3) Spatial analysis.
- 4) Paleoenvironment .
- 5) Quantitative modelling.

All the scientific objectives of this team are achieved through work on a series of archaeological sites spanning the entire chronological frame on the Iberian Peninsula and abroad. The members of the GAPS are directly involved in the excavation of these sites, either as principal researchers or as participants in the fieldwork and/or study of materials. The sites we work at and use as primary data sources are:

The members of the group participate in different Spanish excavations, both at fieldwork and studying materials:

- Middle Paleolithic: Abric Romani, Cova de les Teixoneres, Cova del Toll, Vanguard Cave, Gorham's Cave, Cau del Roure, Cova Foradà, Cova de les Llenes, Beef Steak Cave, Cova del Bolomor, Balma de la Griera, El Salt
- Upper Paleolithic: Molí del Salt, Costa de Can Manel, Abric de la Consagració, Cova de Valdavara, La Cativera, Balma de la Vall, Cova de les Borres, Cova Foradada, Cova dels Xaragalls
- Mesolithic: Abric Agut, Casa Corona.
- Neolithic: El Mirador, Cova de la Font Major, El Cavet, Cova Colomera, El Arenal, Cova 338.

Moreover, the following international projects and collaborations are being developed:

- Europe: Collaboration studies in prehistoric Balkans (Serbia and Montenegro), the Caucasus (Georgia, Armenia and Nagorno-Karabakh), and Grotta Rio Secco, Grotta del Cavallo, Riparo Bombrini, Balzi Rossi and Vallone Inferno (Italy).
- Africa: Project on the Pleistocene human occupations at the Eastern Morocco: Ain Beni Mathar and Guéfaït region. Principal Investigators M. Gema Chacón and Hassan Aouraghe.
- Middle East: Collaboration in the frame of zooarcheological and archeobotanical research at Qesem Cave, Jordan River Dureijat and Nesher Ramla (Israel) and collaboration with research projects in Iran (Khorramabad Valley).



- South-East Asia: Participation in the Project MARCHE - Mission Archéologique aux Philippines Origine, nature et diversité des premiers peuplements des Philippines. Site of Kalinga (Rizal, Isla de Luzón, Philippines).

The organization of our group permits to confront the challenges and scientific objectives. The number of researchers and their careers join in an interdisciplinary critical mass with high capabilities to produce new synergies and to successfully compete in European calls, as has been already exposed and achieved along the 3 last years.



Subsistence, Technology and Human Evolution (StEP)

Principal investigator: Dr. Andreu Ollé.

Researchers: Dr. Behrouz Bazgir, Dr. Isabel Cáceres, Dr. Eudald Carbonell, Dr. Gizéh Rangel de Lázaro, Dr. Rosa Huguet, Dr. Miquel Llorente, Dr. Carlos Lorenzo, Dr. Marina Lozano, Dr. Marina Mosquera, Dr. Antonio Pineda, Dr. David Riba, Dr. Xosé Pedro Rodríguez, Dr. Palmira Saladié, Dr. Josep Maria Vergès and Dr. John Willman.

PhD students: Ana M^a Bucchi, Antonietta Del Bove, Andrea Díaz, Diego Lombao, Esther López, Alfredo Suesta and Laxmi Tumung.

Technical staff: Dr. Lucía López-Polín, Miquel Guardiola.

Collaborators: Dr. Lena Asryan, Dr. Amèlia Bargalló, Dr. Paula García, Dr. Patricia Martín, Dr. Antonella Pederagnana, Dr. Antonio Rodríguez, Dr. Boris D. Santander, Dr. Marcos Terradillos, Dr. Meltem Cemre Ustunkaya, Andión Arteaga, Arturo Cueva, Arturo de Lombera, Héctor del Valle, Juan Luis Fernández, Miquel Guardiola, Raquel Hernando, Andrés Jurado, Sergio Miguel Luengo, Juan Marín, Raquel M. Pérez, Juan Ignacio Martín Viveros, Paula Mateo, Sandra Val Riccardo Zapon.,

Reference: 2017 SGR 1040

The research of this group, Subsistence, Technology and Human Evolution, aims to study Human Evolution on its biological, social and technological developments in the Pleistocene (although younger contexts are also studied). The main areas of research are palaeoanthropology, lithic technology, zooarchaeology and taphonomy, early human cognition (etoprimatology and cognitive technology), and preparation and conservation of archaeopalaeontological materials. Its approach is based on a strong investment in fieldwork and in the systematic analysis of the recovered materials to gather reliable empirical data, and on original experimentation as a part of testable procedures.

During 2018, the group “Social, Cultural and Biological Evolution during the Pleistocene (STeP)” headed by Dr. Andreu Ollé Cañellas has been integrated by 16 researchers, 7 granted predoctoral students and 2 technicians (one of them PhD). Furthermore, there are 24 close collaborators (9 of them PhD). In 2018 two PhD have been defended inside the group (A. Pineda and G. de Lázaro).

The research topics of this group share the same general empirical framework based on the different fieldwork projects led or specifically participated by their members, both in Spain and abroad.

In Spain

- The archaeo-paleontological complex of the Sierra de Atapuerca (Burgos), especially the Pleistocene sites cave sites of Sima del Elefante, Gran Dolina, Galería, Sima de los Huesos and Cueva Fantasma, as well as the Pleistocene-Holocene rock shelter site of El Mirador.
- The Lower Pleistocene sites of the Guadix-Baza Basin (Granada): Fuente Nueva 3 and Barranco León.
- The Lower Pleistocene site of Quibas (Murcia).



- The Pleistocene sites of the Calerizo de Cáceres (Cáceres): Cueva de Santa Ana and Cueva de Maltravieso.
- The Pleistocene and Holocene sites included in the project “Evolució paleoambiental i poblament prehistòric al Projecte Francolí, Gaià, Siurana i rieres del camp de Tarragona”: Barranc de la Boella, la Cansaladeta, Cova dels Xaragalls, les Borres, la Cativera, Cantacorbs, Cova del Cudó, el Cavet, and surveys at la Vall and Mas d’en Llort (Tarragona).
- The Upper Pleistocene site of Abric Romaní (Barcelona).
- The Upper Pleistocene sites of Abrigo de Navalmaíllo and Cueva Descubierta at Pinilla del Valle (Madrid).
- The Upper Pleistocene site of El Sidrón (Oviedo).
- The Upper Pleistocene site of Cueva de Guantes (Palencia).
- The Upper Pleistocene site of Cova Foradà (Valencia).
- The Upper Pleistocene site of Cova de Dalt del Tossal de la Font (Castelló de la Plana).
- The Upper Pleistocene site Cova Eirós (Lugo).
- The Upper Pleistocene sites included in the project “Substitucions humanes i transformacions econòmiques entre el Pleistocè superior final i l’Holocè al Penedès”: Balma de la Griera and Cova Foradada (Tarragona) and Cova del Mas Trader (Barcelona).

International

- The Pliocene, Lower and Middle Pleistocene sites of Aïn Bení Mathar -Guéfait (Morocco).
- The Lower and Middle Pleistocene sites of Ain Boucherit, Ain Hanech, El-Kherba and Ternifine (Algeria).
- The Plio-Pleistocene and Lower Pleistocene sites of Gona (Ethiopia).
- The Lower Pleistocene Engel-Ela and Ramud basin sites (Eritrea).
- The Middle and Upper Pleistocene site of Azokh (Nagorno-Karabakh).
- The Upper Pleistocene sites in the Khorramabad Valley (Iran).
- The Late Pleistocene - Holocene sites in the Madonie Park (Sicily, Italia).



Research projects hosted by IPHES

Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Arrels prehistòriques de la transhumància a l'Alt Ripollès: Projecte Arqueològic 2018-2021

Principal investigador: Carlos Tornero
Funder: Departament de Cultura, Generalitat de Catalunya
Period: 01/01/2018 - 31/12/2021
Reference: CLT009/18/00048

El Plio-Pleistocè del Camp dels Ninots i la depressió Prelitoral: evolució paleoclimàtica, dispersions faunístiques i humanes II

Principal investigador: Bruno Gómez de Soler
Funder: Departament de Cultura, Generalitat de Catalunya
Period: 01/01/2018 - 31/12/2021
Reference: CLT009/18/00052

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i rieres del Camp de Tarragona (2018-2021)

Principal investigador: Josep Maria Vergès
Funder: Departament de Cultura, Generalitat de Catalunya
Period: 01/01/2018 - 31/12/2021
Reference: CLT009/18/00053

Cinglera del Capelló 2018-2021

Principal investigador: Josep Vallverdú
Funder: Departament de Cultura, Generalitat de Catalunya
Period: 01/01/2018 - 31/12/2021
Reference: CLT009/18/00054

Neandertals i carnívors: una història compartida

Principal investigador: Jordi Rosell
Funder: Departament de Cultura, Generalitat de Catalunya
Period: 01/01/2018 - 31/12/2021
Reference: CLT009/18/00055

Proyectos I+D

Ecosocial behavior of the hominids of Atapuerca during the Quaternary IV

Principal Investigator: Eudald Carbonell
Funder: MINECO / FEDER
Period: 01/01/2016 - 31/12/2018
Reference Code: CGL2015-65387-C3-1-P

Snapshots of Neanderthal lifestyles: Behavioural patterns and high resolution archaeology (2)

Principal Investigator: Florent Rivals and Manuel Vaquero
Funder: Ministerio de Economía y Competitividad (MINECO)
Period: 30/12/2016 – 29/12/2019
Reference Code: HAR2016-76760-C3-1-P



Study of the Early Pleistocene faunal and human dispersals in the Mediterranean basin

Principal Investigator: Bienvenido Martínez Navarro and Robert Sala

Funder: Ministerio de Economía y Competitividad (MINECO)

Period: 30/12/2016 – 29/12/2019

Reference Code: CGL2016-80975-P

Early and Middle Pleistocene Climatic Crisis and their effect on the evolution of the small vertebrate assemblages of Eastern Spain

Principal Investigators: Jordi Agustí

Funder: Ministerio de Economía y Competitividad (MINECO)

Period: 30/12/2016 – 29/12/2019

Reference Code: CGL2016-80000-P

Environmental dynamics and human responses during the postglacial in the facade Mediterranean Iberian Peninsula (C. 12700-8000 CAL. BP)

Principal Investigator: Francesc Burjachs and Javier Fernández-López de Pablo

Funder: Ministerio de Economía, Industria y Competitividad (MINECO)

Period: 01/01/2018 - 31/12/2020

Reference Code: HAR2017-88503-P

Marie Skłodowska-Curie actions (MSCA)**“REAPPAST”: High-Resolution Approach in Middle and Upper Paleolithic sites for reconstructing Social dynamic and Technical behaviours**

Project coordinator: Àlez Arenas and Sergi Lozano

Research fellow: Fabio Silva

Funder: European Commission-Research Executive Agency

Period: 01/04/2016 – 31/03/2018

Reference Code: H2020-MSCA-IF-2014_656264

“MedCoRes”: Mediterranean Coastal Resources: benefits and constraints for Prehistoric hunters-gatherers

Project coordinator: Francesc Burjachs

Research fellow: Elodie Brisset

Funder: European Commission-Research Executive Agency

Period: 01/01/2017 - 31/12/2018

Reference Code: H2020-MSCA-IF-2015_704822

“IDENTITIES”: Integrative Approaches to Dental Wear: Non-Masticatory Tooth-Use Across the Mesolithic-Neolithic Transition Among Iberian Foraging and Farming Societies

Project coordinator: Marina Lozano

Research fellow: John C. Willman

Call: Marie Skłodowska-Curie actions - Individual Fellowships

Funder: European Commission-Research Executive Agency

Period: 01/01/2018 - 31/12/2019

Reference Code: H2020-MSCA-IF-2016_749188

European Research Council**“PALEODEM”: Late Glacial and Postglacial Population History and Cultural Transmission in Iberia (c. 15,000-8,000 cal BP)**

2018

Principal Investigator: Dr Javier Fernández-López de Pablo
Funder: European Research Council Executive Agency- H2020
Period: 01/10/2016-30/09/2021
Reference Code: 2015 ERC Consolidator Grant - 683018

Mobility Grants

“i-EETS”: Investigating early evidence of transhumance sheep movements in the Central Pyrenees (i-EETS)

Project coordinator: Florent Rivals
Research fellow: Carlos Tornero
Call: Ajuts Beatriu de Pinós
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Period: 01/01/2018 - 31/12/2019
Reference Code: Referència 2016 BP 00346

Formación investigadora y docente para la integración de la reconstrucción del clima y el ambiente del pasado, utilizando las asociaciones de micromamíferos, en relación a la presencia humana durante el Pleistoceno superior en la Península Ibérica

Principal Investigator: **Juan Manuel López-García**
Host institution, Country: University of Lisbon and Natural Science History Museum of Lisbon, Portugal
Funder: Ministerio de Ciencia, Innovación y Universidades, Gobierno de España
Reference: CAS18/00095
Duration of the project: 01/09/18 - 28/02/19

Ampliando horizontes científicos y docentes en el ámbito de la arqueobotánica y la prehistoria

Principal Investigator: **Ethel Ann Allué Martí**
Host institution, Country: University College of London, Institute of Archaeology, London, UK
Funder: Ministerio de Ciencia, Innovación y Universidades, Gobierno de España
Reference: PRX17/00308
Duration of the project: 02/01/18 - 29/06/18

Estrategias de subsistencia y paleoecología de los homínidos del Pleistoceno Inferior y Medio en las latitudes medias de Europa

Principal Investigator: **Rosa Huguet**
Host institution: University of Reading, United Kingdom
Funder: Programa “José Castillejos” para estancias de movilidad en el extranjero de jóvenes doctores. Ministerio de Educación, Cultura y Deportes, Gobierno de España
Duration of the project: 01/02/2018 – 31/05/2018

Research projects not hosted by IPHES

Projectes de Recerca Quadriennals en matèria d'arqueologia i paleontologia

Substitucions humanes i transformacions econòmiques entre el Pleistocè superior final i l'Holocè al Penedès.

Principal Investigator: Josep Maria Fullola-Pericot
Host institution: Universitat de Barcelona



Funder: Projectes quadriennals de Recerca en matèria d'Arqueologia i Paleontologia, Generalitat de Catalunya, Departament de Cultura, Oficina de Suport a la Iniciativa Cultural.

Reference: 2014/100638

Duration of the project: 2017-2021

Proyectos I+D

Neandertales en la Montaña Alicantina. Un enfoque multianalítico

Principal Investigator: Bertila Galván Santos and Carolina Mallol Duque

Host institution: Universidad de La Laguna

Funder: Ministerio de Economía y Competitividad (MINECO-FEDER-UE), Gobierno de España

Reference: HAR2015/68321-P

Duration of the project: 01/01/2016 - 31/12/2019

Other National

Grupo de Investigación Consolidado de Alto Redimiento

Principal Investigator: Javier Fernández Eraso

Host institution: University of the Basque Country.

Funder: Basque Government

Duration of the project: 2013-2018

Reference: IT-622-13

Primeras ocupaciones humanas y contexto paleoecológico a partir de los depósitos plio-pleistocenos de la cuenca Guadix-Baza. Zona arqueológica de la cuenca de Orce (Granada, España).

Principal Investigator: Juan Manuel López Arenas

Host institution: Universidad de Granada

Funder: Junta de Andalucía

Duration of the project: 2016-2020

Reference: ProjectOrce

International

Projet Collectif de Recherches « Des Traces et des Hommes » projet interdisciplinaire sur l'identification des modalités d'acquisition et de traitement des matières végétales et animales au Paléolithique moyen en Europe occidentale. <http://traces-et-hommes.revolublog.com/>.

Principal Investigator: Céline Thiébaud

Host institution: UMR 6636, LAMPEA (Laboratoire Méditerranéen de Préhistoire Europe, Afrique) at Université de Provence, France

Funder: SRAM - Service Régional de l'Archéologie de Midi-Pyrénées

Duration of the project: 2007-2019

Projet Collectif de Recherches "Entre plaines et montagnes: espaces de subsistance et expressions culturelles au Paléolithique moyen dans le Massif central (Auvergne-Ardèche)"

Principal Investigator: Marie-Hélène Moncel and Jean Paul Raynal

Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France

Funder: Régions Auvergne et Rhône-Alpes

Duration of the project: 2010-2019



'Fragmented Heritage' From the Kilometre to the Nanometre: Automated 3D Technology to Revolutionize Landscape, Site, and Artefact Analyses

Principal Investigator: Donahue, R. and Wilson, A.
Host institution: University of Bradford, United Kingdom
Funder: British AHRC
Duration of the project: 2013-2018
Reference: AH/L00688X/1

Moving tasks across shapes: the agro-pastoralists spread towards and from the Alto Ribatejo (MTAS). [Tarefas em movimento através das formas: a dispersão agro-pastoril para e a partir do Alto Ribatejo].

Principal Investigator: Luiz Oosterbeek
Host institution: Instituto Politécnico de Tomar, Portugal.
Funder: Fundação para a Ciência e a Tecnologia. Ministério da Educação e Ciência. Portugal.
Duration of the project: 01/11/2015- 30/10/2018.

Préférence Manuelle chez les Homininés à partir des traces d'utilisation sur leurs outils en pierre (PreMHo).

Principal Investigator: Antony Borel and Emmanuelle Pouydebat
Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France
Funder: Projets LabEx BCDiv (<https://labex-bcddiv.mnhn.fr/en>)
Duration of the project: 2015-2019

ANCIENT_TEETH: An integrative analysis of shifting trends in dental traits in human populations from Neolithic to Iron Age.

Principal Investigator: Dr Beatriz Gamarra
Host institution: University College of Dublin, Ireland
Funder: Marie Skłodowska-Curie Actions
Duration of the project 06/06/2016-05/06/2018
Reference:H2020-MSCA-IF-2015

Early Fishermen of the Galilee: final hunter-gatherers and paleoenvironment at the Epipaleolithic site of JRD.

Principal Investigator: Gonen Sharon
Host institution: Tell-Hai College, Israel
Funder: National Geographic
Duration of the project: Since 2016-2018

Cuna de la Humanidad: Eritrea-Valle del Rift

Principal Investigator: Bienvenido Martínez-Navarro & Eudald Carbonell Roura
Host institution: Fundación Atapuerca
Funder: Fundación Palarq
Duration of the project: 2016-2018

Cultural and biological transformations in Middle Pleistocene (420-200 ka ago) Qesem Cave, Israel: In search for a post Homo erectus lineage in the Levantine corridor.

Principal Investigator: Thorsten Uthmeier, Ran Barkai and Avi Gopher
Host institution: Friedrich-Alexander Universität - Tel Aviv University (TAU), Israel
Funder: Deutsche Forschungsgemeinschaft (DFG) - Research Grants
Duration of the project: 2016-2018

Hidden Foods

Principal Investigator: Emanuela Crisitiani
Host institution: Università di Roma, Italy



Funder: ECR Starting Grant.
Duration of the project: 2016-2019

Projet Collectif de Recherches «Le monde moustérien méditerranéen entre Rhône et Pyrénées»

Principal Investigator: Thibaud Saos
Host institution: Université de Perpignan Via Domitia, EPCC-Centre Européen de Recherches Préhistoriques de Tautavel, UMR 7194 du CNRS, France
Funder: Service Régional de l'Archéologie de la Région Rhône et Pyrénées
Duration of the project: 2016-2019

Modelling environmental dynamics and hominin Dispersals around the Mid-Pleistocene Revolution (METHOD). International Focus Group INQUA.

Principal Investigator: Rodríguez, J., Mateos, A., Palombo, M.R. and Hertler, C.
Host institution: CENIEH, Spain; Sapienza University, Italy; Senckenberg Research Institute, Germany
Funder: International Union for Quaternary Research (INQUA)
Duration of the project: 2016-2019
Reference: INQUA IFG 1604F

Mission ARChéologique aux philippinEs (MARCHE): Origine, nature et diversité des premiers peuplements des Philippines.

Principal Investigator: Thomas Ingicco
Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France - National Museum of Manila, Philippines – University of Philippines, Philippines
Funder: Ministère des Affaires étrangères et du Développement international (MAEDI), France & National Geographic Society (USA)
Duration of the project: 2016-2022

The impact of climate change and climate variability on human populations during the last Glacial

Principal Investigator: Ariane Burke
Host institution: Université de Montréal, Canada
Funder: Social Sciences and Humanities Research Council of Canada (SSHRC)
Duration of the project: 03/04/2017 - 01/04/2020

International Research Network TAPHEN: European Network for Quaternary Taphonomy

Principal Investigator: Brugal, J.P.
Host institution: Université Aix-Marseille, France
Funder: CNRS
Duration of the project: 01/01/2018 -1/12/2121

Late Pleistocene environments and archaeology in the Gobi-Altai of Mongolia

Principal Investigators: Michael Petraglia and Nils Vanwezer
Host institution: Max Planck Institute for the Science of Human History, Germany
Funder: Max Planck Institute for the Science of Human History
Duration of the project: 06/08/2018 – 16/09/2018



Research fellowships

Beatriu de Pinós (BP)

Investigating early evidence of transhumance sheep movements in the Central Pyrenees (i-EETS)

Beneficiary: Carlos Tornero
Supervisor: Florent Rivals
Funder: Beatriu de Pinós – MSCA Fellowship
Period: 01/01/2018-31/12/2019
Reference: 2016 BP 00346

Ramón y Cajal (RYC)

Paleoambiente, paleoclima y biocronología del Cuaternario en la región Mediterránea mediante el estudio de micromamíferos

Beneficiary: Juan Manuel López-García
Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España
Period: 01/01/2018 - 31/12/2022
Reference: RYC-2016-19386

Paisajes humanizados, modelización paleocológica y social

Research fellow: Javier Fernández-López de Pablo
Call: Ayudas para la incorporación estable de doctores 2017
Funder: Ministerio de Economía, Industria y Competitividad
Period: 01/01/2017 - 31/12/2019
Reference Code: IEDI-2017-00889

Modelización y otros métodos cuantitativos de análisis al estudio de la evolución humana.

Beneficiary: Sergio Lozano
Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España
Period: 01/01/2014 - 31/12/2018
Reference: RYC-2012-10379

Juan de la Cierva *Formación* (JCF)

Processos de formació dels conjunts lítics en el Paleolític Mitjà a través de l'anàlisi de diferents aspectes de la conducta: estratègies d'aprovisionament lític, precondicionaments, distribució espacial d'activitats tècniques, transport d'artefactes intrasite i *extra-site*, i reciclatge.

Beneficiary: Aleix Eixea
Supervisor: M. Gema Chacón
Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España
Period: 01/01/2017 - 31/12/2018
Reference: FCJI-2015-23541



Formación de Personal Investigador (FPI)

Momentos de la vida Neandertal: Patrones de comportamiento y arqueología de alta resolución.

Beneficiary: Susana Alonso

Supervisor: Manuel Vaquero

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 01/07/2018 - 30/06/2022

Reference: HAR2016 7670-C3-1-

Conexiones intra-site e inter-site. Los remontajes líticos para la identificación de zonas de actividad, patrones de movilidad interna e inter-relaciones entre yacimientos del Pleistoceno medio: el nivel TD10-1 de Gran Dolina y el nivel GIII de Galería (Sierra de Atapuerca, Burgos) y la Cansaladeta (La Riba, Tarragona).

Beneficiary: Esther López

Supervisor: Xosé-Pedro Rodríguez, Andreu Ollé

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 16/01/2014 - 15/01/2018

Reference: BES-2013-065048

Paleoecología neandertal en el Paleolítico medio en el norte de España: Análisis combinado de micro-desgaste dental y cementocronología.

Beneficiary: Carlos Sánchez

Supervisor: Florent Rivals

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 1/04/2015 – 01/04/2018

Reference: BES-2014-067747

Formación de Personal Universitario (FPU)

Consolidando huesos: evaluación de la eficacia de nuevos productos en los fósiles de los yacimientos pleistocenos de la Sierra de Atapuerca (Burgos) y del Barranc de la Boella (Tarragona)

Beneficiary: Andrea Díaz

Supervisor: Eudald Carbonell Roura, Lucía López-Polín

Funder: Ministerio de Educación, Cultura y Deporte

Period: 28/08/2018 – 27/09/2022

Reference: FPU17/05506

Estudio de los cambios en la fisonomía del cráneo y del endocráneo del género *Homo*: implicaciones en la evolución del comportamiento

Beneficiary: Alfred Suesta

Supervisor: Carlos Lorenzo

Funder: Ministerio de Educación, Cultura y Deporte

Period: 28/08/2018 – 27/09/2022

Reference: FPU17/02716

Predadores y presas: explotación de los recursos faunísticos por los grupos neandertales de los Valles de Alcoy (MIS 3). El caso del yacimiento arqueológico de El Salt (Alcoy, Alicante).

Beneficiary: Leopoldo Jesús Pérez

Supervisor: Robert Sala, Alfred Sanchis, Bertila Galván

Funder: Ministerio de Educación, Cultura y Deporte (MECD), Gobierno de España



2018

Period: 01/10/2014 - 30/09/2018
Reference: FPU13/01885

Formació de personal Investigador novell (FI-DGR)

La gestión volumétrica en la talla lítica como indicador de la evolución cognitiva en el Pleistoceno Inferior y Medio.

Beneficiary: Diego Lombao
Supervisor: Marina Mosquera
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Period: 01/03/2018-28/02/2021
Reference: 2018FI_B_00364

Procesos de formación de conjuntos arqueofaunísticos durante el Plistoceno Inferior: el Barranc de la Boella (La Canonja, Tarragona), la Sierra de Atapuerca (Burgos) i la Cuenca Guadix-Baza (Orce, Granada).

Beneficiary: Antonio Pineda
Supervisor: Palmira Saladié
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Period: 01/03/2015 – 28/02/2018
Reference: 2015 FI_B 01104

Reconstrucción paleoambiental i paleoclimática del tránsito paleolítico superior final – Edad del Bronce al norte de la Península Ibérica: los anfíbios i reptiles de la cueva de El Mirador (Sierra de Atapuerca, Burgos).

Beneficiary: Josep Francesc Bisbal-Chinesta
Supervisor: Hugues A. Blain
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Period: 01/03/2016 - 28/02/2019
Reference: 2016FI_B 00286

Interacciones entre homínidos i carnívoros durante el Plistoceno: Neo-Tafonomía de carnívoros i la seva implicación en la ecología de los homínidos arcaicos, una aproximación a partir del nivel TDW-4 de Gran Dolina (Sierra de Atapuerca, Burgos), la Cueva del Toll (Moià, Barcelona) i la Cueva de les Llenes (Lleida).

Beneficiary: Maria Teresa Arilla Osuna
Supervisor: Jordi Rosell
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Period: 01/03/2017 - 28/02/2020
Reference: 2017FI_B 00286

Ayudas Predoctorales Fundación Atapuerca

CUNA DE LA HUMANIDAD: ERITREA-VALLE DEL RIFT

Beneficiary: Tsegai Medin
Supervisor: Eudald Carbonell
Funder: Fundación Atapuerca
Period: 01/01/2018-31/12/2019

Las actividades de combustión durante la Prehistoria. Una aproximación desde el análisis de los fitolitos y los minerales.

Beneficiary: Aitor Burguet Coca



Supervisor: Ethel Allué
Funder: Fundación Atapuerca
Period: 01/02/2015 – 31/06/2018



Research granted in 2018

Apart from the above mentioned fellowships, in 2018 other postdoctoral researchers applied for competitive research grants at IPHES, whose incorporation in the center will be effective in 2019:

1. Dr. Beatriz Gamarra. Beatriu de Pinós “*Dental analyses of the first agropastoralists: An integrative approach*” (ref. 2017 BP 00210). Scientific in charge: Dr. Marina Lozano.
2. Dr. Adrián Arroyo. Juan de la Cierva - Incorporación “*Functional and cognitive assessment of percussive tools in Early Palaeolithic assemblages*” (ref. IJCI-2017-33342). Scientific in charge: Dr. Andreu Ollé.
3. Dr. Jordi Revelles. Juan de la Cierva – Formación. Ref. FJCI-2017-32954. Scientific in charge: Dr. Francesc Burjachs.

With regard to participation in research programmes and requests for international funding, in 2018 IPHES researchers participated in European calls, especially Horizon 2020 (ERC Grants, Marie S. Curie actions, societal challenges...), as well as calls from other countries, such as those from the Wenner-Gren Foundation or the Fundació Palarq.



Following research career outside IPHES

Concerning predoctoral training, the ongoing professional activities of our doctorates over the 39 PhDs graduated between 2014 and 2018, 17 are already developing their research career outside of the centre reflecting our training capacities, both in scientific terms as well as in so-called transferable skills in order to facilitate to the alumni a broad perspective in his/her professional career. In 2018 the following member continued his/her research outside IPHES:

1. Dra. Karina Vanesa Chichkoyan, Doctorate at URV on 29th March 2017. Current Position: Beca Interna Posdoctoral de Reinserción, CONYCET, Argentina, for 2018-2020.
2. Dr. Aleix Eixea. Juan de la Cierva Formación (FJCI-2015-23541) at IPHES 01/01/2017 to 30/06/2018 Current Position: Researcher at program APOSTD-Subvenciones para la contratación de personal investigador en fase postdoctoral de la Generalitat Valenciana y del Fondo Social Europeo (APOSTD/2018/12). Universitat de València.
3. Dr. Giulia Marciani, Doctorate at URV on 11th April 2018. Current Position: Postdoctoral contract during 4 years at ERC Project SUCCESS “The earliest migration of *Homo sapiens* in Southern Europe” www.erc-success.eu/.
4. Dr. Patricia Martín Rodríguez, Doctorate at URV on 26th November 2015. Current Position: Juan de la Cierva-Formación (FJCI-2016-29045) Fellowship at Universitat de Barcelona (Spain).
5. Dra. Antonella Pederghana, Doctorate at URV on 12th June 2017. Current Position: Postdoctoral Researcher in Use-wear analysis (Pleistocene / Early Holocene Archaeology) TraCEr, Monrepos Archaeological Research Center and Museum for Human Behavioral Evolution. Neuwied, Germany
6. Dr. Anna Rufà, Doctorate at URV on 5th September 2017. Current Position: Postdoctoral IdEx, Agence Nationale de la Recherche No.–10–IDEX-03-02 Fellowship at Université de Bordeaux (France) PACEA.



Application for projects and scholarship (granted and pending of resolution)

Granted

Project title: **Evolución del poblamiento humano durante el cuaternario en Marruecos Oriental: Aïn Beni Mathar – Guefaït (Provincia de Jerada, Marruecos)**

Principal Investigator: M. Gema Chacón

Host institution: IPHES – Departament de Géologie (Université Mohamed 1r Oujda, Morocco)

Funder: Proyectos Arqueológicos en el Exterior. Ministerio de Cultura y Deporte

Project title: **Evolución del poblamiento humano durante el cuaternario en Marruecos Oriental: Aïn Beni Mathar – Guefaït (Provincia de Jerada)**

Principal Investigator: M. Gema Chacón, Robert Sala, Mohamed Aouraghe

Host institution: IPHES – Departament de Géologie (Université Mohamed 1r Oujda, Morocco)

Funder: Fundación Palarq

Project title: **Formación investigadora y docente en la aplicación de los modelos 3D y la computación para el estudio tecnológico de restos de industria lítica recuperados en yacimientos arqueológicos pertenecientes al Paleolítico inferior y medio.**

Principal Investigator: M. Gema Chacón

Host researcher: Erella Hovers

Host institution: Institute of Archaeology (The Hebrew University of Jerusalem, Israel)

Funder: Jose Castillejo mobility grants programme for younger researchers (Ministry of Education, Culture & Sport of Spanish Government)

Project title: **Formación investigadora y docente para la integración de la reconstrucción del clima y el ambiente del pasado, utilizando las asociaciones de micromamíferos, en relación a la presencia humana durante el Pleistoceno superior en la Península Ibérica**

Principal Investigator: Juan Manuel López-García

Host institution: University of Lisbon and Natural Science History Museum of Lisbon

Funder: Spanish Ministry of Science, Innovation and Universities

Project title: **Conveni marc de Col·laboració entre l'Ajuntament de Sant Martí de Tous i l'Institut Català de Paleoecologia Humana i Evolució Social (IPHES)**

Principal Investigator: Josep Vallverdú i Bruno Gómez de Soler

Host institution: IPHES

Funder: Ajuntament de Sant Martí de Tous

Project title: **Conveni específic de Col·laboració entre l'Ajuntament de Sant Martí de Tous i l'Institut Català de Paleoecologia Humana i Evolució Social (IPHES)**

Principal Investigator: Josep Vallverdú i Bruno Gómez de Soler

Host institution: IPHES

Funder: Ajuntament de Sant Martí de Tous

Project title: **Pla director historic-arqueològic del municipi de la Febró**

Principal Investigator: Josep Vallverdú

Host institution: IPHES

Funder: UE



Project title: **Dental analyses of the first agropastoralists: An integrative approach**

Principal Investigator: Beatriz Gamarra Rubio (supervisor Marina Lozano)

Host institution: IPHES

Funder: Beatriu de Pinós, Generalitat de Catalunya

Project title: **Juan de la Cierva Incorporación Grant**

Principal Investigator: Adrián Arroyo (supervisor Andreu Ollé).

Host institution: IPHES

Funder: Ministerio de Ciencia, Innovación y Universidades, Spanish Government

Project title: **UISPP2018 Travel Awards for Postdocs and PhD Students**

Principal Investigator: Lena Asryan

Host institution: IPHES

Funder: UISPP organising committee

Project title: **Rambla Science**

Principal Investigator: Ajuntament de Tarragona

Host institution: Ajuntament de Tarragona

Funder: Fons Europeu de Desenvolupament Regional (FEDER)

Project title: **SOC 2018**

Tutor: Isabel Expósito, Carlos Tornero

Host institution: IPHES

Funder: Generalitat de Catalunya. Departament de Treball, Afers Socials i Famílies

Pending of resolution

Project title: **CHUFA: CHaracterizing Underground storage organs From Archaeological sites**

Principal Investigator: Marian Berihuete (Ethel Allué supervisor)

Host institution: IPHES

Funder: Marie- Skłodowska-Curie

Project title: **Population densities during the middle and Upper Paleolithic**

Principal Investigator: Dan Cabanes

Host institution: Jersey University

Funder: National Science Foundation

Project title: **Old World Quaternary Spheroids Project (OWQSP)**

Principal Investigator: Deborah Barsky

Host institution: IPHES

Funder: Gerda Henkel (General Research Grant Application - Research project)

Project title: **High resolution imaging analysis of human dental trait changes by the end of the Neolithic in the Northeast of Iberian Peninsula**

Principal Investigator: Beatriz Gamarra Rubio (supervisor Marina Lozano)

Host institution: IPHES

Funder: Marie Skłodowska-Curie Actions, European Commission

Project title: **Eco-social behaviour of the Pleistocene hominins of Sierra de Atapuerca**

Principal Investigator: Eudald Carbonell and Marina Mosquera

Host institution: IPHES

Funder: MICIUN



Project title: **María de Maeztu programme**

Principal Investigator: Robert Sala

Host institution: IPHES

Funder: Ministerio de Ciencia, Innovación y Universidades, Spanish Government

Project title: **Fotografía científica, fotogrametría y escaneado 3D de materiales arqueopaleontológicos**

Principal Investigator: Ollé, A. (responsible coordinator)

Host institution: IPHES

Funder: Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I. Ministerio de Economía y Competitividad. Spanish Government

Project title: **Hunting Only? Testing the Middle Paleolithic task specific hypothesis through traceology**

Principal Investigator: Goren Shanon and Andreu Ollé

Host institution: Tel Hai College – IPHES

Funder: Irene Levi Sala Care Archaeological Foundation

Project title: **“VAPP”: Virtual Anthropology of Prehistoric Portugal**

Principal Investigator: John C Willman, Ana Maria Silva, Priscilla Bayle

Host institution: Universidade de Coimbra and Université de Bordeaux

Funder: Marie Skłodowska-Curie Actions H2020-MSCA-IF-2018

Project title: **Complejidad tecnológica y límites de los equipos de desarrollo tecnológico**

Principal Investigator: Javier Borge-Holthoefer, Sergi Lozano

Host institution: Internet Interdisciplinary Institute (IN3)

Funder: FBBVA

Project title: **IPHES R2 Evolution**

Principal Investigator: Xosé Pedro Rodríguez

Host institution: IPHES

Funder: Research Executive Agency (MSCA-COFUND Programme)

Project title: **“SALTY” - Water resource SustAinabiliTY: minutes from ancient Persia**

Principal Investigator: Elodie Brisset

Host institution: IPHES

Funder: Caixa bank foundation “Retaining Junior leader” (Spain)

Project title: **“HighStepLands” – Holocene socio-cultural-environmental interactions along a highland altitudinal transect of the Zagros Mountains**

Principal Investigators: Andrea Ricci, Silvia Balatti, Elodie Brisset

Host institution: Kiel University (Germany)

Funder: Deutsche Forschungsgemeinschaft “Priority Programme: Iranian Highlands” (German National Research Agency)

Project title: **Between stones and bisons: The lithic assemblage of TD10.2, Atapuerca (Burgos).**

Principal Investigator: Andiñon Arteaga

Host institution: IPHES

Funder: Gobierno de Navarra (Ayudas predoctorales para la realización de programas de doctorado de interés para Navarra).

Project title: **Wear Traces on Basalt Tools: an Experimental case for archaeological Interpretation**

Principal Investigator: Lena Asryan



Host institution: University of Liège, Belgium
Funder: MSCA-IF

Project title: **Assessing Prehistoric Basalt Tool Function**

Principal Investigator: Lena Asryan

Host institution: IPHES

Funder: Gerda Henkel Foundation

Project title: **Knapped bone tools Middle Pleistocene from Europe: an interdisciplinary study of the chaîne opératoire**

Principal Investigator: Paula Mateo Lomba

Host institution: IPHES

Funder: Gerda Henkel Stiftung

Project title: **PEJ 2018**

Tutor: Florent Rivals, Isabel Expósito

Host institution: IPHES

Funder: Ministerio de Economía, Industria y Competitividad. Ayudas para la promoción de empleo e im-plantación de la Garantía Juvenil en I+D+I (PEJ).

Project title: **Plan de formación para la conservación, restauración y reproducciones en 3D de homínidos fósiles, arte paleolítico, fauna e industria lítica del cuaternario.**

Principal Investigator: Gala Gómez-Merino.

Host institution: IPHES

Funder: Ministerio de Economía, Industria y Competitividad. Ayudas para la promoción de empleo e im-plantación de la Garantía Juvenil en I+D+I (PEJ).

Project title: **El origen del control del fuego en Europa: implicaciones paleoecológicas y nuevas estrategias de subsistencia**

Principal Investigator: Jose Garcia Solano; Juan Manuel Jiménez Arenas

Host institution: Universidad de Granada

Funder: Junta de Andalucía



Articles in peer reviewed journals with impact factor (JCR) ,indexed by Web of Science (WOS)

Quartil	Articles	%
1	52	63,4%
2	22	26,8%
3	4	4,9%
4	4	4,9%
total	82	100%

Distribution of IPHES publications according to the quartile of the journals – X. P. Rodríguez

Journal	papers	
<i>Quaternary Science Reviews</i>	14	17,1%
<i>Quaternary International</i>	10	12,2%
<i>Archaeological and Anthropological Sciences</i>	6	7,3%
<i>Palaeogeography, Palaeoclimatology, Palaeoecology</i>	6	7,3%
<i>C R Palevol</i>	5	6,1%
<i>Science</i>	3	3,7%
<i>Journal of Human Evolution</i>	3	3,7%
<i>Journal of Archaeological Science</i>	3	3,7%
<i>Historical Biology</i>	3	3,7%
<i>PNAS</i>	2	2,4%
<i>Quaternary Geochronology</i>	2	2,4%
<i>Journal of Anthropological Sciences</i>	2	2,4%
<i>Journal of Archaeological Method and Theory</i>	2	2,4%
<i>Review of Palaeobotany and Palynology</i>	2	2,4%
<i>L'Anthropologie</i>	2	2,4%

Journal with more than one publication by IPHES in 2018 – X. P. Rodríguez

Journal	IF (2017)	Papers 2018	Research Field (ISI)	Journal Ranking (2017)	Quartile (2017)	Decile (2017)
<i>Nature</i>	41,577	1	Mutidisciplinary	1/64	1	1
<i>Science</i>	41,058	3	Mutidisciplinary	2/64	1	1
<i>PNAS</i>	9,504	2	Mutidisciplinary	5/64	1	1
<i>Ecography</i>	4,520	1	Biodiversity Conservation	7/55	1	2
<i>Quaternary Science Reviews</i>	4,334	14	Geosciences, Multid.	12/189	1	1
<i>Scientific Reports</i>	4,122	1	Mutidisciplinary	12/64	1	2
<i>Journal of Human Evolution</i>	3,992	3	Anthropology	3/85	1	1
<i>Global and Planetary Change</i>	3,982	1	Geosciences, Multid.	20/189	1	2
<i>Palaeontology</i>	3,730	1	Paleontology	1/56	1	1
<i>Quaternary Geochronology</i>	3,440	2	Geosciences, Multid.	33/189	1	2
<i>Journal of Archaeological Science</i>	3,061	3	Anthropology	7/85	1	1

IPHES publications in journals with highest impact factor in 2018 – X. P. Rodríguez



Agustí, J., Leroy, S.A.G., **Lozano-Fernández, I.,** Julià, R., 2018. Joint vegetation and mammalian records at the early Pleistocene sequence of Bòvila Ordis (Banyoles-Besalú Basin, NE Spain) and their bearing on early hominin occupation in Europe. *Palaeobiodiversity and Palaeoenvironments* 98 (4), 653–662. <https://doi.org/10.1007/s12549-018-0324-5>

Álvarez-Posada, C., Parés, J. M., Cuenca-Bescós, G., Van der Made, J., **Rosell, J.,** Bermúdez de Castro, J. M. **Carbonell, E.** 2018. A post-Jaramillo age for the artefact-bearing layer TD4 (Gran Dolina, Atapuerca): New paleomagnetic evidence, *Quaternary Geochronology* 45, 1-8. Doi: 10.1016/j.quageo.2018.01.003.

Allué, E., Expósito, I., Tumung, L., Ollé, A., Bazgir, B., 2018. Early evidence of *Prunus* and *Prunus* cf. *amygdalus* from Palaeolithic sites in the Khorramabad Valley, western Iran, *Comptes Rendus Palevol* 17 (6), 335-345.

Allué, E., Martínez-Moreno, J., Roy, M., Benito-Calvo, A., Mora, R., 2018. Montane pine forests in NE Iberia during MIS 3 and MIS 2. A study based on new anthracological evidence from Cova Gran (Santa Linya, Iberian Pre-Pyrenees). *Rev. Palaeobot. Palynol.* 258, 62-72. <https://doi.org/https://doi.org/10.1016/j.revpalbo.2018.06.012>

Bargalló, A., **Mosquera, M., Lorenzo, C.,** 2018. Identifying handedness at knapping; an analysis of the scatter pattern of lithic remains. *Archaeological and Anthropological Sciences* 10(3), 587-598.

Barsky, D., Vergès, J.-M., Tittton, S., Guardiola, M., Sala, R., Toro-Moyano, I. 2018. The emergence and significance of heavy-duty scrapers in ancient stone toolkits. *Comptes Rendus Palevol.* 17(3), 201-219.

Barsky, D., Carbonell, E. Sala Ramos, R. 2018. ‘Diversity and multiplicity in the Asian Acheulian’, *L’Anthropologie.* 122(1), 59–73. doi: 10.1016/J.ANTHRO.2018.01.004.

Berto, C., **Luzi, E.,** Canini, G.M., Guerreschi, A., Fontana, F., 2018. Climate and landscape in Italy during Late Epigravettian. The Late Glacial small mammal sequence of Riparo Tagliente (Stallavena di Grezzana, Verona, Italy). *Quaternary Science Reviews* 184, 132-142.

Bisbal-Chinesta, J.F., Blain, H.-A., 2018. Long-term changes in composition and distribution patterns in the Iberian herpetofaunal communities since the latest Pleistocene. *Quaternary Science Reviews* 184, 143-166.

Blain, H.-A., Cruz Silva, J. A., Jiménez Arenas, J. M., Margari, V. and Roucoux, K. 2018. ‘Towards a Middle Pleistocene terrestrial climate reconstruction based on herpetofaunal assemblages from the Iberian Peninsula: State of the art and perspectives’, *Quaternary Science Reviews*, 191, pp. 167–188. doi: <https://doi.org/10.1016/j.quascirev.2018.04.019>.

Borić, D., Higham, T., Cristiani, E., Dimitrijević, V., Nehlich, O., Griffiths, S., Alexander, C., Mihailović, B., Filipović, D., **Allué, E.,** Buckley, M., 2018. High-Resolution AMS Dating of Architecture, Boulder Artworks and the Transition to Farming at Lepenski Vir. *Scientific Reports* 8, 14221. doi:10.1038/s41598-018-31884-7

Brisset, E., Burjachs, F., Navarro, B. J. B., **Fernández-López de Pablo, J.** (2018). Socio-ecological adaptation to Early-Holocene sea-level rise in the western Mediterranean. *Global and Planetary Change* 169, 156-167. <https://doi.org/https://doi.org/10.1016/j.gloplacha.2018.07.016>



Cabestrero-Rincón, M.A., Balzeau, A., **Lorenzo, C.**, 2018. Differential evolution of cerebral and cerebellar fossae in recent *Homo*: A new methodological approach. *HOMO* 69 (6), 289-303. doi:<https://doi.org/10.1016/j.jchb.2018.10.001>

Caracausi, S., Berruti, G. L. F., **Daffara, S.**, Bertè, D. and Rubat Borel, F. 2018. 'Use of a GIS predictive model for the identification of high altitude prehistoric human frequentations. Results of the Sessera valley project (Piedmont, Italy)', *Quaternary International* 490, 10-20. doi:<https://doi.org/10.1016/j.quaint.2018.05.038>.

Carrión, J.S., Ochando, J., Fernández, S., Blasco, R., **Rosell, J.**, Munuera, M., Amorós, G., Martín-Lerma, I., Finlayson, S., Giles, F., Jennings, R., Finlayson, G., Giles-Pacheco, F., Rodríguez-Vidal, J., Finlayson, C., 2018. Last Neanderthals in the warmest refugium of Europe: Palynological data from Vanguard Cave. *Review of Palaeobotany and Palynology*. doi:<https://doi.org/10.1016/j.revpalbo.2018.09.007>

Courtenay, L.A., Maté-González, M.Á., Aramendi, J., Yravedra, J., González-Aguilera, D., Domínguez-Rodrigo, M., 2018. Testing accuracy in 2D and 3D geometric morphometric methods for cut mark identification and classification. *PeerJ* 6, e5133. <https://doi.org/10.7717/peerj.5133>

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Daffara, S., Berruti, G.-L.F., **Caracausi, S.**, **Rodríguez-Álvarez, X.-P.**, **Sala-Ramos, R.**, 2018. The use of "second rate" raw materials during Middle Palaeolithic. Technological and functional analysis of two sites in north-eastern Iberia. *L'Anthropologie* 122 (4), 626-653. doi:<https://doi.org/10.1016/j.anthro.2018.09.001>

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Editorial work

Guest Editor

Butlletí Reial Societat Arqueològica de Tarragona

1 vol.

Journal of Archaeological Science: Reports

1 vol.

Quaternary International

2 vol.

Quaternary Science Reviews

1 vol.

Trama, Treballs d'arqueologia de la Mediterrània antiga

1 vol.

Associate Editor

Frontiers in Ecology and Evolution

Quaternary International

Academic Editor

Plos One

40 articles managed

Scientific Committee

Research centers

Scientific Assessment in Centre de Recerques Europees in Tautavel

Scientific Assessment in University of Tübingen

Journals

Boletín de Arqueología Experimental

Quartär. International Yearbook for Ice and Stone Age Research

Meetings

XVI Meeting of the European Association of Vertebrate Paleontologists. University of Caparica. Lisbon, Portugal. 26th June- 02nd July.

XV Congress Pan-African Archaeological Association (PANAF). Mohamed V University. Rabat, Morocco. September 10th-14th.



2018

1st Paleontological Virtual Congress. The Palaeontological Association (PalAss). Barcelona, Spain. 1st- 12th December.

Organization Committees and Sessions

60th Obermaier Annual Meeting of the Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age. IPHES and URV. Tarragona, Spain. April 3rd- 7th.

Cross-Disciplinary Approaches to Prehistoric Demography. IPHES. Tarragona, Spain. 1st- 2nd May.

XI Jornadas de Jóvenes en Investigación Arqueológica (JIA). IPHES and URV. Tarragona, Spain. 9th-12th May.

XVIII UISPP (Union International des Sciences Préhistoriques et Protohistoriques). Université de la Sorbone. Paris, France. June 4th- 9th. Organization of sessions and Vice-president of Commissions.

International Paleolinology Association-International Association of Limnogeology joint meeting. University of Stockholm. Stockholm, Sweden. 18th- 21st June.

13th ICAZ International Conference. Middle East University of Ankara. Ankara, Turkey. 10th- 14th September

24th Annual Meeting of the European Association of Archaeologists (EAA). European Association of Archaeologists. Barcelona, Spain. 5th- 8th September.

XV Congress Pan-African Archaeological Association (PANAF). Mohamed V University. Rabat, Morocco, September 10th-14th.



Activity as referee

Referee of scientific articles in journals with impact factor

American Journal of Physical Anthropology

3 articles reviewed

Arabian Journal of Geosciences

1 article reviewed

Archaeological and Anthropological Sciences

4 articles reviewed

Cognitive Science

1 article reviewed

Comptes Rendus Palevol

1 article reviewed

Environmental Archaeology

1 article reviewed

Estudios Geológicos

1 article reviewed

Evolutionary Anthropology

1 article reviewed

Historical Biology

1 article reviewed

International Journal of Osteoarchaeology

2 articles reviewed

International Journal of Paleopathology

1 article reviewed

Journal of Archaeological Science

1 article reviewed

Journal of Asia-Pacific Biodiversity

1 article reviewed

Journal of Dental Research

2 articles reviewed

Journal of Human Evolution

3 articles reviewed

Nature Scientific Reports

1 article reviewed

Naturwissenschaften

1 article reviewed

Palaeobiodiversity and Palaenvironments

1 article reviewed



2018

Palaeogeography, Palaeoclimatology, Palaeoecology

5 articles reviewed

PeerJ

1 article reviewed

Physical Review E

1 article reviewed

Plos One

4 articles reviewed

Quaternary International

17 articles reviewed

Quaternary Science Reviews

2 articles reviewed

Review of Palaeobotany and Palynology

1 article reviewed

Russian Journal of Herpetology

1 article reviewed

Science Advances

2 articles reviewed

Science Reports

3 articles reviewed

Scientometrics

1 article reviewed

The Holocene

2 articles reviewed

Vegetation History and Archaeobotany

1 article reviewed

Referee of scientific articles in journals without impact factor

Actas del Vè Congreso de Arqueología Experimental

8 articles reviewed

Actas VIII Jornadas de Arqueología en el Valle del Duero. Del Paleolítico a la Edad Media

4 articles reviewed

Journal of Archaeological Science: Reports

5 articles reviewed

Journal of Ecology and the Natural Environment

1 article reviewed

Journal of Palaeolithic Archaeology

1 article reviewed

MUNIBE

1 article reviewed



Proceedings of the XIIIth International Archaeozoology of Southwest Asia and Adjacent Areas (ASWA[AA]) meeting

1 article reviewed

Zephyrus

1 article reviewed

Referee of Academic books

Oxford University Press

1 book reviewed

Referee of scholarships

National

DAAD España (Servicio Alemán de Intercambio Académico)

1 scholarship reviewed

Juan de la Cierva “Incorporación” programme

1 scholarship reviewed

Universitat Rovira i Virgili, Ajut Talent Màster

1 scholarship reviewed

Universitat Rovira i Virgili, collaboration scholarship BIDI URV

2 scholarships reviewed

Universitat Rovira i Virgili, Erasmus + mobility for studies

9 scholarships reviewed

International

Leakey Foundation (USA)

2 scholarships reviewed

University of Warsaw, Institute of Archaeology (Poland)

2 scholarships reviewed

Referee of research projects

National

Agència per a la Qualitat del Sistema Universitari de Catalunya

2 projects reviewed

Concurso Nacional de Proyectos FONDECYT; Regular 2019; Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT)

1 project reviewed

Ministerio de Ciencia, Innovación y Universidades

1 project reviewed



2018

Ministerio de Economía y Competitividad, Proyecto Explora

1 project reviewed

Ministerio de Economía y Competitividad, Proyecto Retos

1 project reviewed

Programa de Contratos UAM Tomás y Valiente 2017

1 project reviewed

Programa Estatal Proyectos de I+D+I Retos Investigación JIN 2018

1 project reviewed

Projectes Quadriennals de Recerca en matèria d'arqueologia i paleontologia. Departament de Cultura. Generalitat de Catalunya

1 project reviewed

International

Agence Nationale de la Recherche (France)

1 project reviewed

Call INSU-CNRS "SYSTerre" (France)

1 project reviewed

European Research Council (ERC) – Starting Grants

1 project reviewed

European Research Council (ERC) – Consolidator Grants

1 project reviewed

European Union, Marie Skłodowska-Curie individual fellowships

14 projects reviewed

Fonds de la Recherche Scientifique – FNRS (France)

1 project reviewed

Israel Science Foundation (Israel)

1 project reviewed

Leakey Foundation (USA)

3 projects reviewed

Ministero dell'Istruzione dell'Università e della Ricerca (Italy)

1 project reviewed

Swiss National Science Foundation (Switzerland)

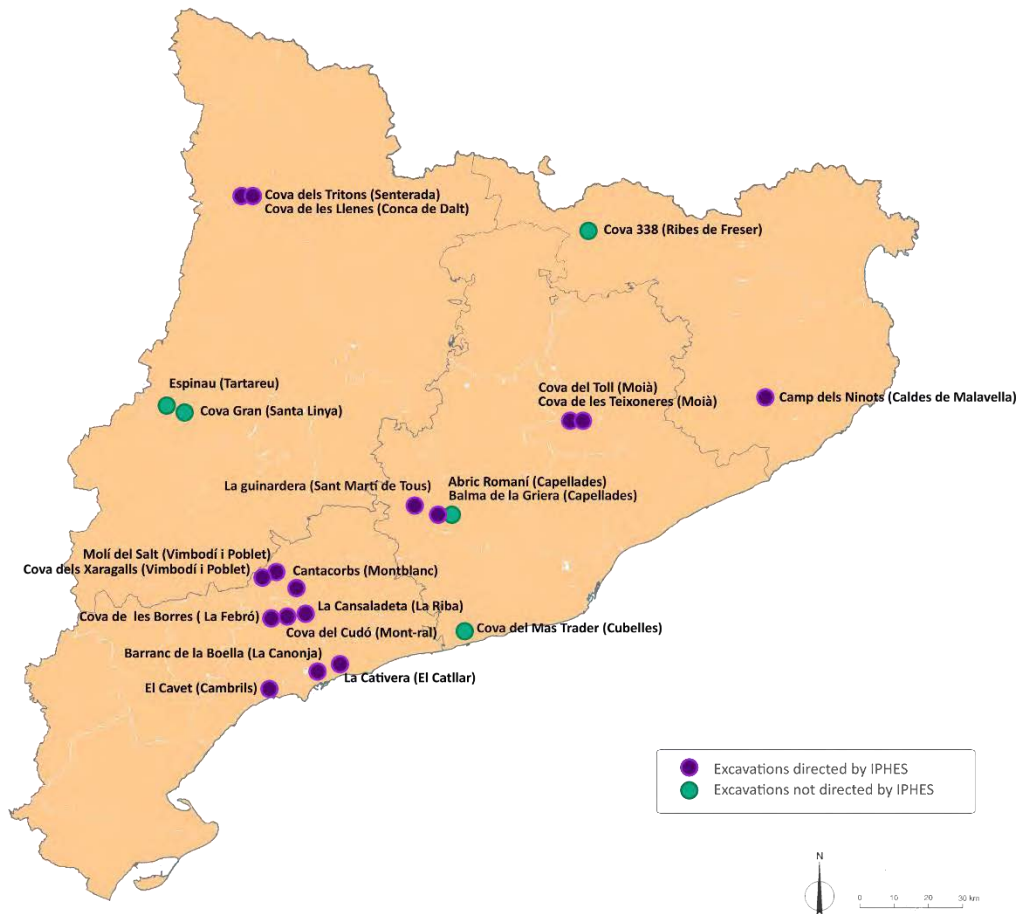
1 project reviewed



Fieldwork research

Archaeological/Palaeontological excavations directed by IPHES

Catalonia



Catalan sites with IPHES participation in 2018

Archaeological site: **Abric Romaní**

Location: Capellades (Barcelona)

Chronology: Middle Paleolithic

Directors: **Eudald Carbonell**, **María Gema Chacón** and **Palmira Saladié**

Archaeological site: **Barranc de la Boella**

Location: La Canonja (Tarragona)

Chronology: Early Pleistocene

Directors: **Josep Vallverdú** and **Palmira Saladié**





Abric Romani fieldworks during 2018 - IPHES

Paleontological site: **Camp els Ninots**

Location: Caldes de Malavella (Girona)

Chronology: Late Pliocene

Directors: **Bruno Gómez de Soler, Gerard Campeny and Jordi Agustí**

Archaeological site: **Cantacorbs**

Location: Rojals - Montblanc (Conca de Barberà, Tarragona)

Chronology: Early Holocene

Directors: **Josep Vallverdú, Juan L. Fernández Marchena and Gala García-Agudo**

Archaeological site: **Cova de Les Borres**

Location: La Febró (Baix Camp, Tarragona)

Chronology: Late Pleistocene

Directors: **Josep Vallverdú** and María Soto

Archaeological site: **Cova de les Llenes**

Location: Erinyà (Lleida)

Chronology: Middle Pleistocene

Directors: **Jordi Rosell** and **Maite Arilla**

Archaeological site: **Cova del Cudó**

Location: Mont-ral (Tarragona)

Chronology: Upper Palaeolithic- Bronze Age

Director: **Josep Maria Vergès**

Archaeological site: **Cova del Toll** and **Cova de les Teixoneres**

Location: Moià (Barcelona)

Chronology: Upper Pleistocene

Directors: **Jordi Rosell, Ruth Blasco and Florent Rivals**





Cova de les Llenes site - IPHES

Archaeological site: **Cova dels Tritons**

Location: Senterada (Lleida)

Chronology: Late Pleistocene

Directors: **Maite Arilla** and Ruth Blasco

Archaeological site: **Cova dels Xaragalls**

Location: Vimbodí i Poblet (Tarragona)

Chronology: Late Pleistocene-Holocene

Directors: **Sandra Bañuls**, **Antonio Rodríguez-Hidalgo** and **Josep Vallverdú**

Archaeological site: **El Cavet**

Location: Cambrils (Tarragona)

Chronology: Neolithic

Directors: **Josep Maria Vergès** and **Marta Fontanals**

Archaeological site: **La Cansaladeta**

Location: La Riba (Tarragona)

Chronology: Middle Pleistocene

Directors: **Josep Maria Vergès** and **Andreu Ollé**

Archaeological site: **La Cativera**

Location: El Catllar (Tarragona)

Chronology: Upper Pleistocene-Holocene

Director: **Josep Maria Vergès**

Archaeological site: **La Guinardera**

Location: Sant Martí de Tous (Barcelona)

Chronology: Pleistocene and Holocene

Directors: **Bruno Gómez de Soler** and **Josep Vallverdú**

Archaeological site: **Molí del Salt**

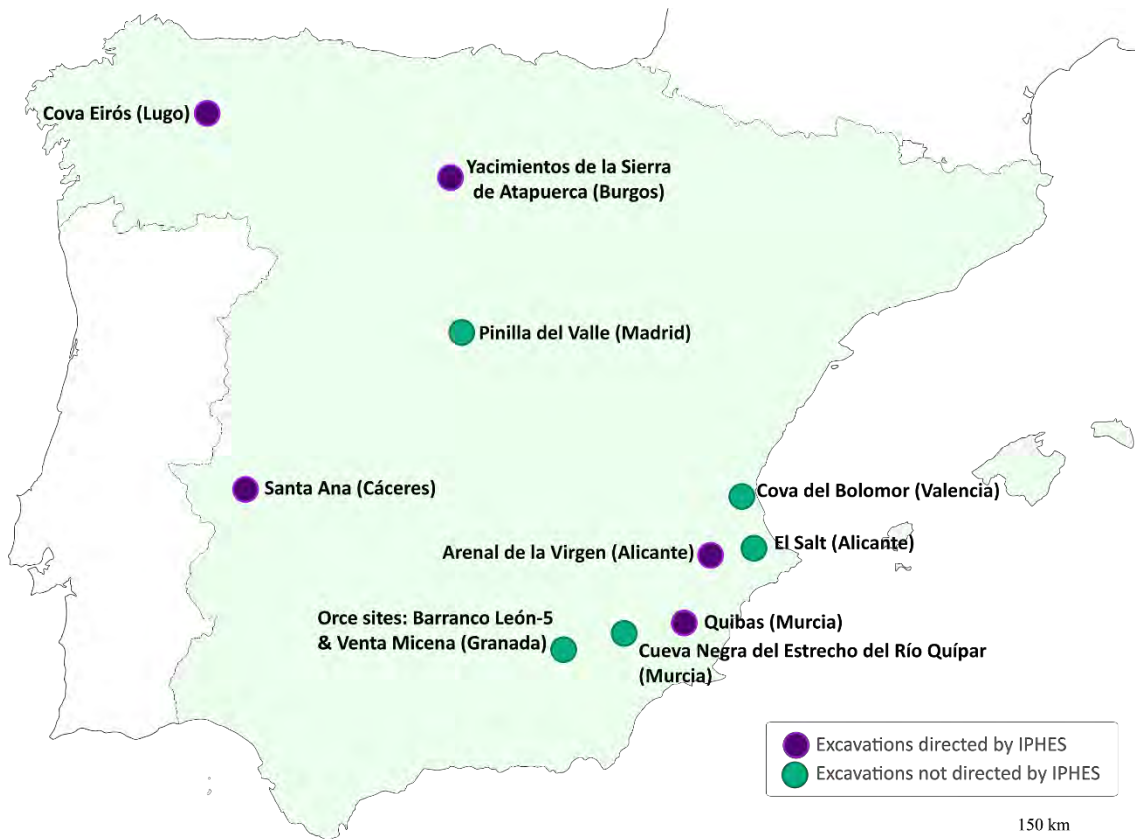
Location: Vimbodí (Tarragona)

Chronology: Upper Paleolithic

Director: **Manuel Vaquero**



National



Spanish sites with IPHES participation in 2018

Archaeological site: **Arenal de la Virgen**

Location: Villena (Alicante)

Chronology: Mesolithic

Director: **Javier Fernández López de Pablo**

Archaeological site: **Cova Eirós**

Location: Triacastela (Lugo)

Chronology: Middle and Upper Palaeolithic and Holocene

Directors: **Arturo de Lombra Hermida** and **Xosé Pedro Rodríguez**

Archaeological site: **Cueva de Santa Ana**

Location: Cáceres (Cáceres)

Chronology: Middle Pleistocene

Directors: **Antoni Canals** and **Eudald Carbonell**

Paleontological site: **Quibas**

Location: Abanilla (Murcia)

Chronology: Early Pleistocene

Directors: **Jordi Agustí**, **Pedro Piñero** and Antonio Rosas

Archaeological site: **Yacimientos de la Sierra de Atapuerca: Sima del Elefante, Gran Dolina, Galería, Sima de los Huesos, Cueva Fantasma and El Mirador**

Location: Atapuerca (Burgos)

Chronology: Pleistocene and Holocene

Directors: Juan Luis Arsuaga, José María Bermúdez de Castro and **Eudald Carbonell**





Cueva de Santa Ana fieldwork during 2018 - EPPEX

International

Paleontological site: **Guefeit 4**

Location: Jerada (Marroc)

Chronology: Late Pliocene-Early Pleistocene

Director: **Robert Sala**

Archaeological site: **Kaldar cave**

Location: Khorramabad (Iran)

Chronology: Late Pleistocene

Directors: **Behrouz Bazgir, Andreu Ollé** and **Eudald Carbonell**

Archaeological site: **Piano Cervi**

Location: Polizzi Generosa (Palermo, Sicily)

Chronology: Upper Pleistocene - Holocene

Directors: V. Forgia, **Josep Maria Vergès** and **Andreu Ollé**

Archaeological site: **Sahb el Ghar**

Location: Ain Beni Mathar (Morocco)

Chronology: Middle Stone Age

Directors: **Maria Gema Chacón, Robert Sala** and H. Aouraghe

Archaeological site: **Oued Sarrat**

Location: Tejerouine (Tunisia)

Chronology: Middle pleistocene

Director: **Bienvenido Martínez-Navarro**

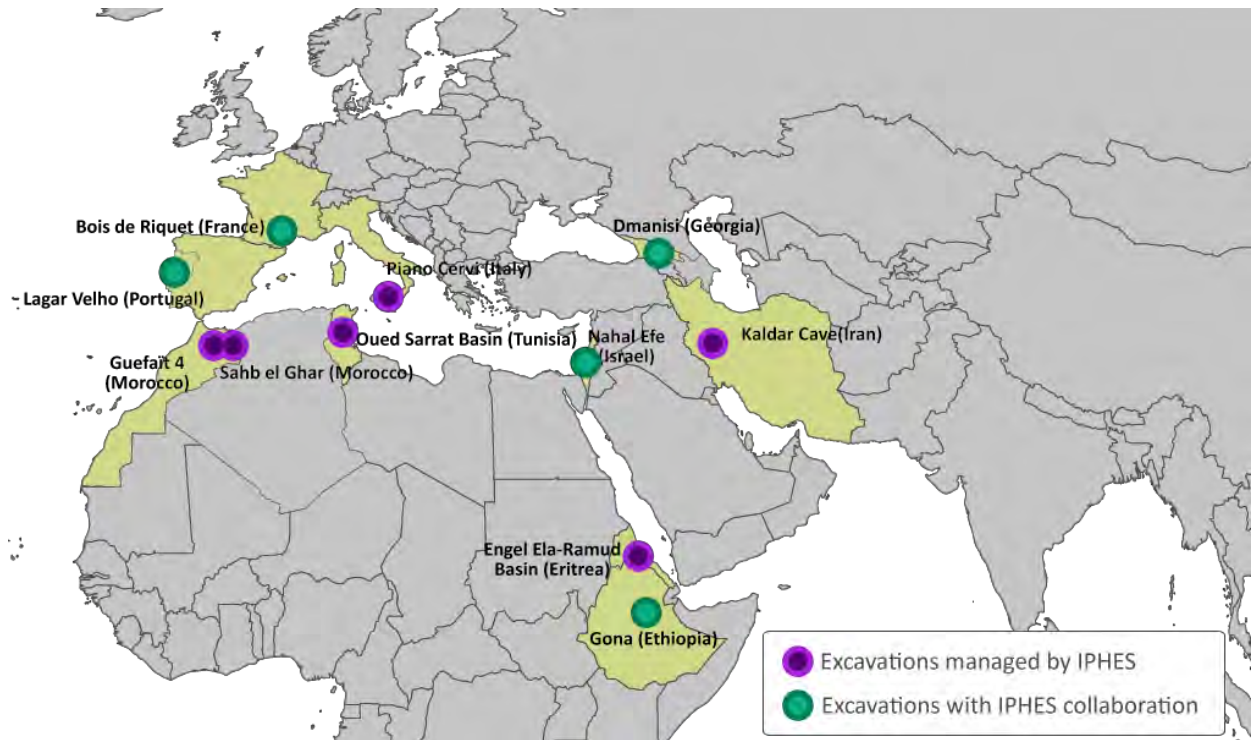
Archaeological site: **Engel-Ela Ramud Basin sites**

Location: Engel-Ela Ramud (Eritrea)



Chronology: Early Pleistocene

Directors: **Bienvenido Martínez-Navarro** and **Eudald Carbonell**



International sites with IPHES participation in 2018

Sampling surveys managed by IPHES

Palaeoecological surveys at TD10-3 (Gran Dolina, Sierra de Atapuerca)

Location: Ibeas de Juarros (Burgos)

Chronology: Pleistocene

Palaeoecological surveys at El Mirador (Sierra de Atapuerca)

Location: Ibeas de Juarros (Burgos)

Chronology: Holocene

Palaeoecological surveys at Corral Mas del Pepet

Location: Montblanc (Tarragona)

Chronology: Holocene

Archaeological/Palaeontological excavations not directed by IPHES

Catalonia

Archaeological site: **Cova del Mas de Trader**

Location: Cubelles (Barcelona)

Chronology: Middel Paleolithic

Director and institution: Juan Ignacio Morales (Universitat de Barcelona)

Archaeological site: **Cova Gran de Santa Linya**

Location: Santa Linya (Lleida)



Chronology: Middel Paleolithic to Bronze Age

Director and institution: Rafael Mora (Universitat Autònoma de Barcelona)

Archaeological site: **La Balma de la Griera**

Location: Capellades (Barcelona)

Chronology: Middel Paleolithic

Directors and institution: Josep Maria Fullola and Juan Ignacio Morales (Universitat de Barcelona)

National

Archaeological site: **Cova del Bolomor**

Location: Tavernes de la Valldigna (Spain)

Chronology: Middle Pleistocene

Director and institution: Josep Fernández-Peris (Museu de Prehistòria de València)

Archaeological site: **Cueva Negra del Estrecho del Río Quípar**

Location: Caravaca de la Cruz (Murcia)

Chronology: Early Pleistocene

Director and institution: **Michael Walker** (University of Murcia)

Archaeological site: **El Salt**

Location: Alcoi (Alicante)

Chronology: Middle Palaeolithic

Directors and institution: Bertila Galván and Carolina Mallol (Universidad de La Laguna)



Barranc León site during fieldworks – D. Barsky

Archaeological site: **Venta Micena, Barranco León**

Location: Orce (Granada)

Chronology: Early Pleistocene

Director and institution: Juan Manuel Jiménez Arenas (Universidad de Granada)

Archaeological site: **Pinilla del Valle**

Location: Rascafría (Madrid)

Chronology: Middle Paleolithic

Directors and institutions: Enrique Baquedano (Museo Arqueológico Regional, Madrid), Juan Luís Arsuaga (Universidad Complutense de Madrid) and Alfredo Pérez-González



International

Archaeological site: **Bois de Riquet**

Location: Lezignan (France)

Chronology: Early Pleistocene

Director and institution: Laurence Bourguignon (Institut national de recherches archéologiques preventives, INRAP)

Archaeological site: **Dmanisi**

Location: Georgia

Chronology: Early Pleistocene

Director and institution: David Lorkipanidze (Georgian National Museum)

Archaeological site: **Lagar Velho**

Location: Leiria (Portugal)

Chronology: Upper Paleolithic

Director and institution: Joan Daura and Montserrat Sanz (Universitat de Barcelona)

Archaeological site: **Nahal Efe**

Location: Dead sea (Israel)

Chronology: Late Neolithic

Director and institution: Ferran Borrell (Consejo Superior de Investigaciones Científicas, CSIC)

Archaeological site: **Gona**

Location: Afar Region (Ethiopia)

Chronology: Pleistocene

Directors and institution: Sileshi Semaw, (CENIEH), Michael Rogers (Southern Connecticut State University)

Archaeological site: **Olduvai Gorge**

Location: Olduvai Gorge (Tanzania)

Chronology: Plio-Pleistocene

Directors and institution: Manuel Domínguez-Rodrigo and Enrique Baquedano (Instituto de Evolución en África, IDEA)



Congresses, Workshops & Seminars

Congresses, Workshops & Seminars organized by IPHES

60th Obermaier Annual Meeting of the Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age

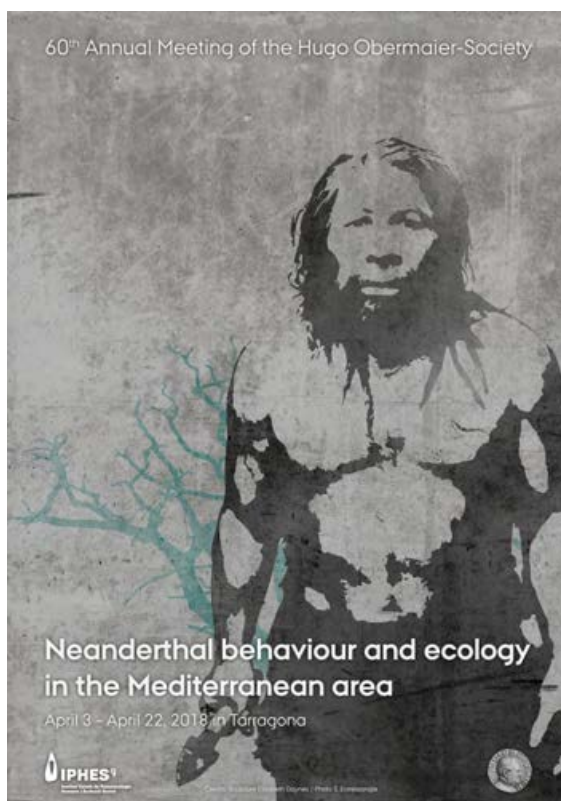
Venue: Tarragona, Spain

Date: April 3rd- 7th

Organizer institutions: Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age and IPHES



The Hugo Obermaier Gesellschaft society was founded in 1951 by Prof. Dr. Lothar F. Zotz as a non-commercial association with the aim to advance the interests of the Quaternary science with special focus on the research on Paleolithic man, his environment and cultures. This society is composed of ca. 250 single members and institutions coming from all corners of Europe and from different fields such as prehistory, geology, palaeontology, palaeobotany, palaeoclimatology or anthropology.



Every year, the Hugo Obermaier Gesellschaft society celebrates the Annual Meeting. In 2018, Tarragona was the venue of the 60th Obermaier Annual Meeting of the Hugo Obermaier Society, at the invitation of IPHES. The Meeting was entitled *Neanderthal behavior and ecology in the Mediterranean area* and many of the most important researches and experts of this field were met from 3rd to 7th April in the Aula Magna of Campus Catalunya at the Universitat Rovira I Virgili.

There were more than 50 participants coming from both national and international centers. 32 oral presentations were presented and 17 posters were exposed. IPHES members took part in some of them, participating in 7 oral presentations and 4 posters. In addition, IPHES members M. Gema Chacón and Florent Rivals participated with the public lecture titled *Travelling with Neanderthals through the northeastern Iberian Peninsula*. IPHES also took

part in the excursions to visit Teixoneres and Toll caves and Abric Romaní rockshelter on April, 6th and the Museo de les Terres de l'Ebre on April, 7th.





Gemma Chacón and Florent Rivals during their presentation - IPHES

ORAL PRESENTATIONS

Authors: Moclán, A., **Huguet, R.**, Márquez, B., Laplana, C., García-García, N., Álvarez-Lao, D., Pérez-González, A., Arsuaga, J. L., Baquedano, E.

Oral presentation: Pinilla del Valle sites: new preliminary data to understand Neanderthal-carnivore interaction in the Iberian Plateau.

Authors: **Sánchez-Hernández, C.**, **Rivals, F.**

Oral presentation: Mediterranean vs. Atlantic: Ecological niches of ungulate preys in the Iberian Peninsula during the Middle Paleolithic.

Authors: Marín, J., **Saladié, P.**, Rodríguez-Hidalgo, A.

Oral Presentation: Subsistence Strategies of Neanderthals Along the Sequence of the Abric Romaní.

Authors: **López-García, J. M.**, Livraghi, A., Romandini, M., Peresani, M.

Oral Presentation: Environmental and climatic reconstruction of the Neanderthal site of De Nadale cave (Zovencedo, Berici Hills, Northeastern Italy) through the small mammal assemblages,

Authors: Rodríguez-Álvarez, B., **Rosell, J.** Serangeli, J.

Oral presentation: An analysis of chaînes opératoires in Schöningen as a case study to be compared with other Paleolithic sites

Authors: Morales, J.I., Cebrià, A., Rodríguez, A., Soto, M., García-Argudo, G, Fernández-Marchena, J.L., **Burguet, A**, **Cucart, C.**, **Lombao, D.**, Bañuls-Cardona, S., **Escuté, A.**, Pey, M., **Vallverdú, J.**, Fullola, J.M.

Oral presentation: Late Middle and Early Upper Paleolithic occupation of the Mediterranean Penedès (Catalonia, Spain). First notes about recent excavations.



Authors: **Rosell, J.**, Blasco, R., **Rufà, A.**, **Sánchez-Hernández, C.**, **Arilla, M.**, **Chacón, M.G.**, Picin, A., Andrés, M., **Ramírez, I.**, **Mateo, P.**, Bustos, G., Fernández, M., **López-García, J.M.**, **Blain, H.-A.**, **Luzi, E.**, Álvarez-Lao, D.J., **Tornero, C.**, **Gómez de Soler, B.**, Talamo, S., **Rivals, F.**

Oral presentation: Inside the secrets of Teixoneres Cave (Moià, Barcelona, Spain): An example of a multidisciplinary approach applied to a Neanderthal site.

POSTERS

Authors: **Chacón, M. J.**, Marín, J., **Saladié, P.**, **Vallverdú, J.**, **Gómez de Soler, B.**, Romagnoli, F., Bargalló, A., **Gabucio, M. J.**, Soto, M., **Campany, G.**, **Pineda, A.**, **Rodríguez-Hidalgo, A.**, **Téllez, E.**, **Burguet-Coca, A.**, **Expósito, M. I.**, **Val, C.**, **Burjachs, F.**, **Allué, E.**, **Solé, A.**, **Rivals, F.**, **Tornero, C.**, **Sánchez-Hernández, C.**, Fernández-García, M., **López-García, J. M.**, **Vaquero, M.**, **Carbonell, E.**

Poster: Living at the same place for more than 60.000 years: What happened at the Abric Romaní site (Capellades, Barcelona) during the Middle Paleolithic?

Authors: **Ramírez-Pedraza, I.**, **Rivals, F.**, Chabai, V., Uthmeier, T.

Poster: Paleoenvironmental context of the human occupations in Crimea during the MIS 3: an approach using tooth microwear patterns in ungulates.

Authors: **García-Vadillo, F.J.**, **Canals, A.**, **Rodríguez, X.-P.**, **Carbonell, E.**

Poster: The lithic assemblage of Sala de los Huesos from Maltravieso Cave (Cáceres, Spain) as a result of the interaction between Neanderthals and hyenas.

Authors: **Rufà, A.**, Blasco, R., **Rivals, F.**, **Rosell, J.**

Poster: The role of small prey in Neanderthal contexts: the case of Teixoneres Cave (MIS 3, Barcelona, Spain).



Cross-Dem (Cross-Disciplinary Approaches to Prehistoric Demography)

Venue: Tarragona, Spain

Date: 1st- 2nd March 2018

Organizer institutions: IPHES



Prehistorians have had a long interest in the study of demography and associated processes. Scholars are not only interested in identifying such events in the archaeological record but in trying to locate their root cause, whether climatic, environmental, technological or cultural/social. However, no element of the archaeological record is directly associated with demographic factors such as population sizes, growth or fertility. This is often done through statistical analyses of different proxies, often number of archaeological sites, artefact densities, radiocarbon dates, palaeoanthropological data such as cemetery age profiles, or DNA. Many such studies have successfully reconstructed important demographic factors, such as growth, fertility, mortality and dispersal rates for prehistoric societies.

The *Cross-Dem (Cross-Disciplinary Approaches to Prehistoric Demography)* workshop was celebrated at IPHES with the aim to create a space for scholars who have been considering prehistoric demography using differing, but complementary, datasets and approaches, with a view towards discussing issues raised by multi-proxy analysis, cross-disciplinarity, as well as any differences between hunter-gatherer and farmer societies' population histories.

Ca. 20 researchers coming from different countries as Spain, USA, UK, France, Italy or Mexico, participating in 13 oral presentations, including the participation of some IPHES members through 2 oral presentations.

ORAL PRESENTATIONS

Authors: **Fernández-López de Pablo, J.**, Gutiérrez-Roig, M., **Gómez-Puche, M.**, **Silva, F.**, **Lozano-Pérez, S.**

Oral presentation: Demographic patterns during the Last Glacial and Early Holocene in Iberia.

Authors: **Silva, F.**,

Oral presentation: The Late Glacial recolonization of northern Europe: demography, data quality and the role of cryptorefugia.



XI Jornadas de Jóvenes en Investigación Arqueológica (JIA)

Venue: Tarragona (Spain)

Date: 9th- 12th- May

Organizer institutions: IPHES, ICAC and URV



The conferences of Jóvenes en Investigación Arqueológica (JIA) are scientific events which have as an objective to encourage the discussion, contact and the update in the investigations among those persons who work in Archaeology and have not finalized the Ph. D.

The first conference was held in 2008 in Madrid, and represented a space of action and debate for the young researches who work inside this discipline in the Iberian Peninsula. Since that first meeting, and as an itinerant project, the JIA had continuity in following annually meetings, visiting cities as Barcelona, Vitoria, Santiago, Burgos, Lisobn and Santander.

In 2017, Tarragona was selected to host JIA meeting during 2018. Almost 200 young archaeologists visit Tarragona during the 3 days of conferences. The participants came mainly from Spanish and Portuguese institutions, although international archaeologist were also present. More than 120 oral communications were presented in 18 different sessions, covering different topics in archaeology (experimental archaeology, taphonomy, historical archaeology, gender archaeology...), along with 3 roundtables and 18 posters. IPHES youngest students took part with the organization of 1 session titled *Conservación y restauración de material arqueológico* and participating in 7 oral presentations and 5 posters. The closure of the conferences was accompanied with an excursion at the roman history of Tarragona city.



Young archaeologists exposing their researches during the Congress – F. J. Luengo

SESSIONS

Organizers: **Moreno-Ribas, E.**, Sicilia, B.

Session: *Conservación y restauración de material arqueológico*



ORAL PRESENTATIONS

Authors: **Cazalla, I., Gómez-Merino, G., Rosell, J., Blasco, R., Rivals, F.**

Oral presentation: Conservación y Restauración del cráneo de oso de las cavernas (*Ursus spelaeus*) del Nivel 4 de la Cova del Toll (Moià, Barcelona). De la excavación arqueológica al laboratorio de restauración.

Authors: **Díaz Cortés, A., Valtierra Pereiro, N.**

Oral presentation: Presencia de conservadores-restauradores en yacimientos arqueológicos de España.

Authors: **Valtierra Pereiro, N., Lago, M., Pereiras, E. A.**

Oral presentation: Intervención de conservación y restauración de dos ánforas procedente del yacimiento romano de A Pescadoira (Nueu, Pontevedra).

Authors: Cantó, A., Carrión, Y., **Fernández López de Pablo, J.**

Oral presentation: Método de muestreo para la recuperación de macrorrestos arqueobotánicos en los yacimientos de El Arenal de la Virgen y Casa Corona (Villena, Alicante) y su implicación en el estudio del paisaje.

Author: **Llagostera, N.**

Oral presentation: Técnicas de reproducción digital y tradicionales a partir de un caso práctico.

Authors: **Martínez-Monzón., A. Bisbal Chinesta, J.**

Oral presentation: Estudio de la riqueza y diversidad de especies de herpetofauna en los yacimientos de la Sierra de Atapuerca (Burgos, España).

Author: **Bisbal Chinesta, J.**

Oral presentation: "Cocodrilos en las Iglesias": un caso temprano de la llegada antrópica de especies americanas a Europa.

POSTERS

Authors: Sicilia, B., **López-Polín, L., Gómez de Soler, B., Campeny Vall-Ilosera, G.**

Poster: Restauración de vértebras de rinoceronte del yacimiento plioceno del Camp dels Ninots (Caldes de Malavella. Girona).

Authors: Moreno, C., **Moreno-Ribas, E., Olmo, M., Piñeiro, L.**

Poster: Mosaico romano de Varea: Reintegración de fragmentos para su puesta en valor.

Authors: **Moreno-Ribas, E., Lopez-Polín, L., Mateo, A., Rodríguez, J.**

Poster: Tres fases de conservación y restauración sobre un cráneo de oso de las cavernas (*Ursus spelaeus*) procedente del yacimiento paleolítico de Cueva de Guantes, Palencia.

Authors: **García-Vadillo, F.J., Canals, A., Rodríguez, X.-P., García, J.**

Poster: Dispersiones superficiales y localizaciones estratigráficas de tecnología lítica en entornos aluviales de las Vegas Bajas del Guadiana (Badajoz, España).

Authors: **Mas, B., Borrell, J., Del Valle, H., Parque, Ó., Ruiz-Giralt, A., Solano-Megías, I., Suesta-Guillén, A.**

Poster: Experimental: los efectos eólicos e hídricos sobre hogares al aire libre.



Internal Workshop IPHES & URV Erasmus Mundus Research Exchange and Collaboration (EMREC): Catalonia-Israel 2018

Venue: Tarragona (Spain)

Date: 21st- 25th September

Organizer institutions: IPHES and URV

From September 21st to 25th, the Catalan Institute of Human Paleoecology and Social Evolution (IPHES) and the Rovira i Virgili University (URV) organized an International Workshop in order to promote collaborative research projects between Israeli and Catalan archaeologists and their institutions of origin. The workshop, entitled *Catalonia-Israel: Previous, ongoing and future collaborative projects*, was organized by Deborah Barsky (IPHES) and included two days of lectures by the Israeli archeologists invited, Dr. Gonen Sharon and Dr. Leore Grosman, IPHES members, researchers from Catalan universities and IPHES members who currently occupy post-doctoral positions in different national and international centers and universities.



The Workshop was gathered in the Sala Romaní of IPHES and attended two days of lectures and oral presentations. 16 oral presentations were presented, with participation of IPHES members in 10 of them.

The 24 participants in the workshop had the opportunity to visit IPHES and some important archaeological sites as Barranc de la Boella and Abric Romaní rockshelter, accompanied by members of these projects.

In the last years, IPHES have intensified scientific exchange with Israeli institutions through seminars, conferences, exchange of researchers, Israeli students participating in Catalan excavations, student mobility, etc. In this manner, this workshop contributed to building an even stronger research network between Israeli and Catalan scientists. The meeting was also an excellent opportunity to present IPHES and the hosting city of Tarragona to Israeli guests.

ORAL PRESENTATIONS

Authors: **Barsky, D., Sala, R.**

Oral presentation: Catalonia-Israel 2018. Previous, ongoing and future research projects.

Authors: **Pastó, I., Sentís, B.**

Oral presentation: Collaborative research opportunities and reflections,



Authors: **Chacón, M. G.**

Oral presentation: Analysis of Middle Paleolithic and Middle Stone Age lithic technological attributes using 3-D methods.

Authors: **García-Vadillo, F., Canals, A., Rodríguez, X-P., Carbonell, E.**

Oral presentation: A short introduction about percussion activity in the Acheulian complex of Santa Ana cave (Cáceres, Extremadura, Spain).

Authors: **Barsky, D., Sala, R. Tifton, S., Vergès, J.M., Guardiola, M., Sala-Ramos, R., Toro-Moyano, I., Sharon, G., Grosman, L., Perdergnana, A.**

Oral presentation: Ongoing research on percussive technologies: Descriptive goals of the Spheroids Project.

Authors: **Martín-Viveros, J. I.**

Oral presentation: A brief look at short-term Mousterian site in the Upper Jordan Valley: potential for use-wear analysis.

Authors: **Allué, E.**

Oral presentation: Current anthracological studies on prehistoric sites in Israel: an approach to firewood uses and past vegetation.

Authors: **Lorenzo, C.**

Oral presentation: Development and applications of 3D digitalization and geometric morphometrics at IPHES.

Authors: **Lozano, S.**

Oral presentation: Computational modeling as a tool to explore collective emergent phenomena.

Authors: García-Medrano, P., Ashton, N., **Ollé, A.**, Moncel, M-H.

Oral presentation: Western European Acheulean Project, a new methodological approach in the study of the Middle Pleistocene industries from the western side of Europe.



Paola García-Medrano during her contribution – P. García Medrano



Congresses, Workshops & Seminars attended by IPHES

National

QVO VADIS Traceología? I Encuentros Internacionales Análisis funcionales de útiles líticos prehistóricos: perspectivas y prospectiva

Venue: Santander, Spain

Date: 16th- 27th March

Organizer institution: Red Temática de Excelencia TRACEONET and el Instituto Internacional de Investigaciones Prehistóricas de Cantabria, IIIPC.

Authors: Astruc, L., Clemente, I., Gassin, B., Gutiérrez, C., Ibáñez, J.I., **Ollé, A.**

Session 3: Sharing of observation systems, documentation, description and diagnosis of traces.

Authors: Beyries, S., Jardón, P., Lemorini, C. **Ollé, A.**, Rodríguez, A.

Session 5: Experience and design of training programmes for young analysts.

Jornadas de Prehistoria de Jerez

Venue: Jerez de la Frontera (Cádiz, Spain)

Date: 9th -11th November

Organizers: Bustamante, M., **Canals, A.**, Correia, S., Jiménez, J., Melro, S., Peña, N.

Authors: **Canals, A.**

Oral presentation: Los primeros asentamientos humanos en Cáceres: el Calerizo de Cáceres y su aportación al Paleolítico regional

Authors: **Martínez-Navarro, B.**

Oral presentation: La Cuenca de Baza: aguas termales, elefantes, hienas y homínidos

Authors: **Carbonell, E.**

Oral presentation: Atapuerca: 40 años inmersos en el pasado

Paleoambiente y Recursos bióticos del Pleistoceno Superior Cantábrico – PPRB 2018

Venue: Bilbao, Spain

Date: 27th-29th June

Organizer institution: Universidad del País Vasco

Authors: Sevilla, P., **Blain, H.-A.**, Laplana, C., Corchón, M^a.S.

Oral presentation: Una aproximación al clima durante el Solutrense en la región cantábrica: comparación de las inferencias a partir del registro de anfibios y reptiles escamosos (método MER) y de los roedores (Modelo Bioclimático) de la cueva de Las Caldas (Oviedo, Asturias).

Authors: Rey-Rodríguez, I., **López-García, J.-M.**, **Bennàsar, M.**, Bañuls-Cardona, S., **Blain, H.-A.**, Blanco-Lapaz, Á., **Rodríguez-Álvarez, X.-P.**, **de Lombera-Hermida, A.**, Díaz-Rodríguez, M., **Agustí, J.**, Fábregas-Valcarce, R.

Poster: Last Neanderthals and first Anatomically Modern Humans in the NW Iberian Peninsula: Climatic and environmental conditions inferred from the Cova Eirós small-vertebrate assemblage during MIS 3.



Authors: **Sánchez-Hernández, C.**, Montes Barquín, R., **Rivals, F.**

Oral presentation: Estudio del desgaste dental sobre los ungulados de Cueva de Covalejos: reconstrucción dietética y sus adaptaciones a los cambios ambientales en la Cornisa Cantábrica.

Workshop Las facies microlaminares del final del Paleolítico en el Mediterráneo ibérico y el valle del Ebro

Venue: Vilafranca, Spain

Date: 5th- 7th October

Organizer institution: Universitat de Barcelona

Authors: **Vaquero, M.**, **Alonso, S.**, **Allué, E.**, García Díez, M., **Mas, B.**, Nadal, J., **Rufà, A.**

Oral presentation: El final del Paleolítico en el sur de Cataluña: el Molí del Salt (Vimbodí i Poblet, Tarragona).

X Encuentros de Arqueología del Suroeste Peninsular

Venue: Zafra, Spain

Date: November 9th-11th November

Organizer institution: Ayto. de Zafra

Authors: Almeida, N., **Saladié, P**

Oral presentation: Arqueofaunas neolíticas no Sul de Portugal: espectros arqueofaunísticos e agentes acumuladores

Authors: **García-Vadillo, F.J.**, **Canals, A.**, **Rodríguez, X.-P.**, **Carbonell, E.**

Oral presentation: La tecnología lítica en las terrazas fluviales de las Vegas Bajas del Guadiana (Badajoz, España): hipótesis de trabajo sobre la secuencia fluvial y cultural pleistocena

Authors: Campaña, I., Bermejo, L., **Canals, A.**

Oral presentation: La geología del yacimiento arqueológico de la Cueva de Santa Ana (Cáceres)

Authors: Bermejo, L., Ortega, A-I., Campaña, I., **Canals, A.**

Oral presentation: Aportes y limitaciones de la prospección geofísica en el estudio de yacimientos en cuevas. El ejemplo de la Cueva de Santa Ana (Cáceres).

Authors: **García-Vadillo, F.J.**, **Canals, A.**

Poster: The lithic assemblage of Sala de los Huesos from Maltravieso Cave (Cáceres, Spain) as a result of the interaction between Neanderthals and hyenas.

Authors: **García-Vadillo, F.J.**, **Canals, A.**

Poster: Dispersiones superficiales y localizaciones estratigráficas de tecnología lítica en entornos aluviales de las Vegas Bajas del Guadiana (Badajoz, España)

V Jornades del Bosc de Poblet i Muntanyes de Prades

Venue: L'Espluga de Francolí, Spain

Date: November 16th-17th November

Organizer institution: Museu de la Vida Rural

Authors: **Vergès-Bosch, J.M.**, **Fontanals, M.**, Iglesias, J., **Martín, P.**

Oral presentation: El sepulcre prehistòric de Mas d'en Llorç (Rojals, Montblanc)



International

4.2 ka BP Event International Symposium

Venue: Pisa, Italy

Date: 10th- 12th January

Organizer institution: University of Pisa

Authors: Cartier R., **Brisset E.**, Guiter F., Sylvestre F., Pailles C., Anthony E. J., Miramont C.

Oral presentation: The 4.2 ka event in the Mediterranean Alps: a reinforced Mediterranean-type climate regime that directly impacted the environment

EU-ETN Pride Sprint workshop on Stratigraphy of the Pontocaspian realm (Black Sea-Caspian Sea)

Venue: Utrecht, Netherlands.

Date: 15th-18th January

Organizer institution: University of Utrecht

Author: **Agustí, J.**

Oral presentation: The Pontocaspian region as a refuge for early hominid migration

International Conference on Integrative... Approaches of Rodent Studies

Venue: Mashad, Iran

Date: 27th-29th January

Organizer institution: Mashad University

Authors: Rey-Rodríguez, I., **López-García, J.M.**, **Blain, H.-A.**, Fernández-García, M., **Rodríguez-Álvarez, X.P.**, **Ollé, A.**, **Bazgir, B.**

Poster: The small-vertebrate (Amphibians, Squamate Reptiles and Rodents) assemblage from the Late Pleistocene of Kaldar Cave (Khorramabad Valley, Irán).

Workshop Integrated Microscopy Approaches in Archaeobotany, IMAA

Venue: Reading, United Kingdom

Date: 24th- 25th Februar

Organizer institution: University of Reading

Authors: **Val-Peón, C.**, **Expósito, I.**, **Burguet-Coca, A.**, **Burjachs, F.**

Oral presentation: Multiproxy approach to the study of pollen taphonomy: a case study based on the corroded pollen grains from Abric Romaní level M (NE Iberian Peninsula).

Authors: **Polo-Díaz, A.**, **Gómez Puche, M.**, **López de Pablo, J.**

Poster: Addressing challenges in the study of Mesolithic hearth-pits and related plant remnants: the case of El Arenal de la Virgen (SE Iberia).

46th Computer Applications and Quantitative Methods in Archaeology Conference

Venue: Tübingen, Germany

Date: 19th- 23rd March

Organizer institution: University of Tübingen

Authors: **Cucart-Mora, C.**, **Lozano, S.**

Oral presentation: Analysing the effect of spatial distribution of two populations over the genetic composition of their híbrids



11th International Congress on the Archaeology of the Ancient Near East

Venue: Munich, Germany

Date: 3rd-7th April

Organizer institution: Ludwig-Maximilians University

Authors: Da Riva R., Marsal, R., Madrid, M., Miguel, E., Marín, J., **Allué, E., Lozano, M.**

Poster: SELA Archaeological Project.

European Geosciences Union General Assembly (EGU)

Venue: Viena, Austria

Date: 8th-13th April

Organizer institution: European Geosciences Union

Authors: Bermejo L., Ortega A.I., Conyers L.B., Benito-Calvo A., Martínez-Fernández A., Parés J.M., Bermúdez de Castro J.M., **Carbonell E.**

Poster: Assessing the accuracy of 3D GPR results by comparing them to 3D laser scanner models: the case study of the archaeological site of Peluda Cave (Sierra de Atapuerca, Burgos, Spain)

87th Annual Meeting of the American Association of Physical Anthropologists

Venue: Austin, Texas, USA

Date: 11th-14th April

Organizer institution: American Association of Physical Anthropologists

Authors: **Willman, J.C.**, Schmidt, C.W., Remy, A., Shackelford, L., Demeter, F.

Poster: Dental microwear texture analysis of the Late Upper Paleolithic/Neolithic humans at Tam Hang (Northern Laos).

Authors: **Willman, J.C.**, Romero, A., Subirà, M.E., **Lozano, M.**

Poster: Non-alimentary tooth use in European Prehistory

Authors: Velez, A.D., Quam, R., Conde-Valverde, M., Martínez, I., Rosa, M., **Lorenzo, C.**, Arsuaga, J.L.

Poster: A comparative study of Neandertal hearing using 3D virtual reconstruction

MEDSALT COST Workshop “M/P boundary and the Zanclean Flood”

Venue: Gozo, Malta

Date: 14th-18th April

Organizer institution: University of Malta

Author: **Agustí, J.**

Oral presentation: African-Iberian mammalian exchanges across the Miocene-Pliocene boundary

EvoLang 2018. 12th International Conference on Language Evolution

Venue: Torun, Poland

Date: 15th April

Organizer institution: Nicolaus Copernicus University of Torun



Authors: **Lombao, D., Cueva-Temprana, A., Mosquera, M.**

Oral presentation: Evaluating the effects of different mechanisms of social transmission for the acquisition of manual gestures of lithic Technology

7th International Maar Conference

Venue: Olot, Spain

Date:, 21th-25th May

Organizer institution: International Association of Volcanology and Chemistry of Earth's Interior (IAVCEI)

Authors: Oms, O., Bolós, X., Martí, J., **Gómez de Soler, B., Campeny, G., Agustí, J.**

Oral presentation: Geological and paleontological Pliocene record: introducing the Camp dels Ninots maar (Catalan Coastal Ranges, Spain).

Authors: **Roubach, S., Moreno-Ribas, E., Gómez de Soler, B., Campeny, G.**

Oral presentation: Conservation of the macrovertebrates fossils from fossil-Lagerstätten Camp dels Ninots, as a principal element for disseminate heritage.

Authors: Revelles, J., Iriarte, E., Finsinger, W., **Burjachs, F.**, Alcalde, G., Saña, M.

Oral presentation: Palaeo-environmental impact of last volcanic eruptions in the Iberian Peninsula: preliminary multiproxy analysis results from Pla de les Preses palaeolake (Vall d'en Bas, La Garrotxa, NE Iberia).

Authors: **Blain, H.-A., Lozano-Fernández, I., Martínez Monzon, A.**, Prikryl, T., Oms, O., Anadón, P., Rodríguez-Salgado, P., **Agustí, J., Campeny, G., Gómez de Soler, B.**

Poster: Water Frogs (Anura, Ranidae) from the Pliocene Camp dels Ninots Konservat-Lagerstätte (Caldes de Malavella, NE Spain).

Authors: **Gómez de Soler, B., Campeny, G., Agustí, J.**, Anadón, P., Barrón, E., Bolós, X., **Blain, H.-A., Burjachs, F., Cáceres, I.**, Carrancho, Á., Casas, A., Claude, J., Martín-Martín, J.D., **Expósito, I., Fontanals, M., García, F.**, Himi, M., Ibáñez, J., Jiménez-Moreno, G., Jurado, M.J., **López-Polín, L.**, van der Made, J., Martí, J., Mateos, P., Miró, J., **Moreno, E.**, Oms, O., Prikryl, T., Rodríguez-Salgado, P., **Rivals, F.**, Roubach, S., Sanisidro, O., Villalaín, J.J.

Poster: Research history and main discoveries of the fossil-Lagerstätte Camp dels Ninots maar (Caldes de Malavella, Girona, Spain).

Authors: **García, F., Cáceres, I., Gómez de Soler, B., Campeny, G.**, Oms, O., Rodríguez-Salgado, P., **Agustí, J., del Valle, H.**

Poster: Macromammal taphonomy of the Camp dels Ninots maar site. (Caldes de Malavella, NE Spain).

Authors: Roubach, S., **Moreno-Ribas, E., Gómez de Soler, B., Campeny, G.**

Poster: Treatment of the macrovertebrates fossils from Camp dels Ninots (Caldes de Malavella, Girona, Spain).

Authors: Jiménez-Moreno, G., **Burjachs, F., Expósito, .I.**, Oms, O., Villalaín, J.J., Carrancho, Á., **Agustí, J., Campeny, G., Gómez-de Soler, B.**, van der Made, J.

Poster: Orbital-scale environmental changes during the Late Pliocene in NE Spain: The Camp dels Ninots maar record.



Authors: Miró, J., Oms, O., Martín-Martín, J. D., Ibañez, J., Anadon, P., Tritlla, J., **Gómez de Soler, B., Campeny, G.**

Poster: Origin and distribution of silica nodules in the Camp dels Ninots maar (La Selva Basin, NE Spain).

Authors: Rodríguez-Salgado, P., Ibañez, J., Anadón, P., **Gómez de Soler, B., Campeny, G., Agustí, J.**, Oms, O.

Poster: Palaeoenvironmental reconstruction from the mineralogy of the Pliocene Camp dels Ninots maar lake sediments (Catalan Volcanic Zone, NE Iberia).

Authors: Oms, O., Gil, A., Pla-Rabés, S., Anadón, P., Ibañez, J., Rodríguez-Salgado, P., Cardellach, E., **Gómez de Soler, B., Campeny, G., Agustí, J.**

Poster: Early lake sedimentation in the Pliocene Camp dels Ninots maar (Catalan Coastal Ranges, Spain).



Participants during the 7th International Maar Conference – B. Gómez de Soler

Journées d'ECCOREV

Venue: Aix-Marseille, France

Date: 23rd May

Organizer institution: IMERA, University Aix-Marseille

Authors: Veron A., Djamali M., **Brisset E.**, Claude C., Delanghe D., Hum J.-L.

Oral communication: Traçage isotopiques des changements climatiques rapides à l'Holocène en lien avec l'occupation humaine à Persepolis

VI Conference Complexitat.cat.

Venue: Barcelona, Spain

Date: 29th May

Organizer institution: Universitat Pompeu Fabra

Authors: **Cucart-Mora, C., Lozano, S.**

Oral presentation: The spatial dimension of hybridation processes in Human evolution.

Authors: Fernández-Marchena, J.L., Pedernana, A., **Ollé, A.**

Oral presentation: Talking to quartz. A use-wear approach through sequential experiments.



AWRANA Conference, Beyond Use-Wear Traces: About Tools and PeopleXIV

Venue: Nice, France

Date: 29th May- 1st June

Organizer institution: Association of Archaeological Wear and Residue Analysts.

Authors: **Asryan, L., Ollé, A.**, Moloney, N.

Pecha-Kucha Presentation: Stone tools in action: Functional study results from Middle to early Upper Pleistocene Azokh 1 Cave site (Southern Caucasus).

Authors: Fernández-Marchena, J.L., **Pedergrana, A., Ollé, A.**

Oral Presentation: Talking to quartz. A use-wear approach through sequential experiments

Jornades d'Arqueologia de les comarques de Girona

Venue: Caldes de Malavella, Spain

Date: 1st- 2nd June

Organizer institution: Museu d'Arqueologia de Catalunya and Universitat de Girona.

Authors: **Campeny, G., Gómez de Soler, B.**, Oms, O., **Agustí, J.**, Mateos, P., **García, F., Roubach, S.**

Oral presentation: Les intervencions en el fòssil-Lagerstätte del Camp dels Ninots (Caldes de Malavella, la Selva) durant el bienni 2016 i 2017

XVIII World UISPP Congress

Venue: Paris, France

Date: June 4th – 8th

Organizer institution: Union Internationale des Sciences Préhistoriques et Protohistoriques and Université de la Sorbonne

Authors: **Chacón, M. G.**, Soto, M., Morales, J.I., **Menéndez, L., De Lombera, A., Canals, A.**, Benito-Calvo, A., Tarriño, A., Souhir, M., Bengarmra, S., Haddoumi, H., El Hammouti, K., Aouraghe, H., **Sala-Ramos, R.**

Oral presentation: The North African Middle Stone Age settlement dynamics at the Aïn Beni Mathar – Guefaït basin (Eastern Morocco).

Authors: Marín, J., **Saladié, P.**, Rodríguez-Hidalgo, A.

Oral presentation: Neandertal hunting strategies at Abric Romaní

Authors: **Barsky, D., Tilton, S.**, Jiménez-Arenas, J.M., Martínez-Sevilla, F., Toro-Moyano, I.

Oral presentation: The significance of subtlety: contrasting raw material use at the Oldowan sites of Barranco León and Fuente Nueva 3 (Orce, Andalusia, Spain).

Authors: **Gómez-Puche M., Polo-Díaz, A., Rabuñal-Gayo, J.**, Cañadilla, J., Esquembre, M.A., **Fernández-López de Pablo, J.**

Oral presentation: Mesolithic habitat structures at open-air sites in Villena (Alicante, Southeastern Spain): Current investigations and research perspectives.

Authors: **Hernando, R.**, Morales, J.I., Cebrià, A., Oms, X., **Lozano, M**

Oral presentation: Two methodologies to infer the diet: The case of Cova de La Guineu (Font-Rubí, Barcelona, Spain).





R. Hernando during her oral presentation at UISPP – J. Rabuñal

Authors: **Rivals, F.**, Drucker, D., Weber, M.J.

Oral presentation: Dietary traits and habitats of the reindeer from Stellmoor and Meiendorf (Northern Germany) during the Late Glacial.

Authors: Kitagawa, K., Julien, M.A., Bessudnov, A.N., Bessudnov, A.V., Krotova, O., **Rivals, F.**, Sablin, M., Patou-Mathis, M.

Oral presentation: Zooarchaeological record and hunter-gatherers of the steppe region of the Eastern Europe.

Authors: **Vaquero, M.**, Baena, J., Maroto, J., **Rivals, F.**

Oral presentation: Is Neanderthal behavior a useful concept? Some reflections on the behavioral variability in the Middle Paleolithic of the Iberian Peninsula.

Authors: **Rabuñal, J.R.**, **Polo-Díaz, A.**, **Fernández-López de Pablo, J.**

Oral presentation: The Early Mesolithic open-air site of El Arenal de la Virgen (Villena, Alicante, SE Iberian Peninsula). New technological and spatial data from recent excavations.

Authors: **Polo-Díaz, A.**, Poch, R.M., Carrión, Y., **Rabuñal, J.R.**, Cañadilla, J.A., **Fernández-López de Pablo, J.**

Oral presentation: Early Mesolithic hearth pits in SE Iberia: a multiscale interdisciplinary approach to clarify formation processes.

Authors: Fernández-Marchena, J., **Rabuñal, J.R.**, García-Agudo, G., **Lombao, D.**, **Soares-Remiseiro, M.**, **Arteaga, A.**, Soto, M., Morales, J.I., **Valverdú, J.**

Oral presentation: Cantacorbs: Recovering a forgotten Neolithic Site at the Prades Mountains (Montblanc, Catalonia).

Authors: **Asryan, L.**, Marin-Monfort, M.D., **Ollé, A.**, Moloney, N., Fernández-Jalvo, Y., King, T.

Oral presentation: Occupying cave-sites: A case study from Azokh 1 Cave (Southern Caucasus).

Authors: **Ollé, A.**, **Tumung, L.**, Fernández-Marchena, J.L., **Asryan, L.**, **Bazgir, B.**, Pedergrana, A., Araujo-Andrade, C., Marro, M., Loza-Álvarez, P.

Oral presentation: Investigating “black stains” on Paleolithic artefacts: looking for hafting adhesives with OLM, SEM-EDX, Raman and FTIR.



Authors: **Chacón, M. G.**, Jago-On, C., Pawlik, A., Forestier, H., Borel, A., Despriée, J., Reyes, M.C., Ingicco, T.

Oral presentation: Small tools in the Middle Pleistocene of the Philippines: the lithic assemblage from Kalinga in northern Luzon.

Authors: Hernández, C.M., Mallol, C., Galván, B., Carrancho, A., **Pérez, L.**, Rory, Connolly, Machado, J., Vidal, P., Mayor, A.

Oral presentation: Singles Neanderthal short-term occupations? A high-temporal resolution example at the Abric del Pastor (Alicante, Spain): Lithostratigraphic Unit IV.

Authors: **Fernández-López de Pablo, J.**, **Brisset, E.**, **Polo-Díaz, A.**, **Rabuñal-Gayo, J.**, **Gómez-Puche M.**, **Burjachs, F.**, Esquembre, M.A.

Oral presentation: Early Holocene socio-ecological dynamics in the central Mediterranean region of Iberia.

Authors: Kunneriath, M., **Chacón, M. G.**, Gaillard, C.

Oral presentation: A Tale of biface technologies from S. Peninsular India; (British Museum collections) - 3D geo-morphometric and classical techniques of analysis.

Authors: **Tumung, L.**, **Bazgir, B.**, Borel A., **Ollé, A.**

Oral presentation: Applying functional analysis for the understanding of subsistence pattern of the Upper and Middle Paleolithic of Kaldar Cave, Khorramabad Valley, Western Iran.

Authors: Rodriguez, A., **Chacón, M. G.**, Cornette, R., Pouydebat, E., Moncel, M-H., Bardo, A., Chèze, L., Iovita, R., Borel, A.

Oral presentation: Integration of microscopy, geometric morphometrics and machine learning classification algorithm for the identification of hand preference from stone tools.

Authors: Evans, A., Pedernana, A., **Ollé, A.**

Oral presentation: A first attempt to quantify use-related polish on quartzite by using Laser Scanning Confocal Microscopy

Authors: **Gómez-Merino, G.**, **Vaquero, M.**, **Alonso, S.**

Oral Presentation: Characterisation of the red pigments from Molí del Salt Magdalenian site (Vimbodí i Poblet, Conca de Barberà, Spain) to envelop and optimise the methodology applied to the conservation of the engraved slabs.

Authors: Pedernana, A., **Ollé, A.**

Oral presentation: Use-wear Analysis of a late Middle Pleistocene quartzite assemblage: Gran Dolina site, TD10.1 level (Sierra de Atapuerca, Spain)

Authors: Morales, J.I., Cebrià, A., **Burquet-Coca, A.**, García-Argudo, A., Fernández-Marchena, J.L., Rodríguez-Hidalgo, A., Soto, A., Tejero, J.M., Fullola, J.M.

Oral presentation: Early Aurignacian phantoms at the Iberian NE. The short occupation patterns from Cova Foradada and Balma de la Griera (Tarragona Spain).

Authors: Ferreira, C., **Burjachs, F.**, Rosina, P., Oosterbeek, L. Vis. G-J.

Oral presentation: Climate change and agro-pastoralism spread in the Lower Tagus Valley (Portugal).

Authors: **Carbonell, E.**, **Barsky, D.**, **Sala, R.**

Oral presentation: Multiplicity in hominin manufactured stone culture across the Middle Pleistocene.



Authors: **Martín-Viveros, J.I., Ollé, A., Chacón, M. G.**

Oral presentation: Use-Wear analysis of a specific mobile toolkit from the Middle Paleolithic site of Abric Romaní (Barcelona, Spain). A complementary approach Using Optical light, Digital 3D and Scanning Electron Microscopy.

Authors: Bargalló, A., **Mosquera, M.**

Oral presentation: New methodology for studying old lithics to answer new questions: about the laterality in human evolution.

Authors: **Carbonell, E., Sala, R.**

Oral presentation: Georges Laplace (1918-2004)

Authors: García-Medrano, P., Ashton, N., Moncel, M-H., **Ollé, A.**

Oral presentation: The Western European Acheulean: a new methodological approach for the study of the Middle Pleistocene occupation of Europe.

Authors: García-Medrano, P., Ashton, N., **Ollé, A.**, Roberts, M.B.

Oral presentation: The cultural pattern and question of morphological variability of handaxes: Box-grove Q1/B (Sussex, UK).

Authors: Bargalló, A., De la Torre, I., **Mosquera, M.**

Oral presentation: PREKARN project to track the prehistory novel knapping.

Authors: **Picín, A.**, Bustos-Pérez, G., **Chacón, M. G.**, **Gómez de Soler, B.**, Blasco, R., **Rivals, F. Rosell, J.**

Oral presentation: Lithic technological organization in short-term occupations at Teixoneres Cave (Moià, Spain)

Authors: **Alonso, S., Vaquero, M.**, Gené, J. M.

Oral presentation: Variability in the use of macro-tools during the Mesolithic of Northeastern Iberia.

Authors: **Gómez de Soler, B.**, Soto, M., **Vallverdú, J., Vaquero, M.**

Oral presentation: Lithic Procurement during the Middle Paleolithic in the Abric Romaní (Capellades, Spain) through a multi-level study.

Authors: Sánchez Martínez, J., **Vaquero, M.**

Oral presentation: Territory and technology in Magdalenian site of Molí del Salt: some techno-economical perspectives.

Authors: Oudouche, H., **Vaquero, M.**, Mikdad, A., Nami, M., Peretto, C., Gauvin, I.-M.

Oral presentation: Trying to explain the origin of the core-on-flake assemblage at Ifri n'Ammar site (North eastern, Morocco).

Authors: Bargalló, A., **Gabucio, M.A., Gómez de Soler, B., Chacón, M. G.**

Oral presentation: Instant photograph of a short-term Occupation in the Abric Romani rock-shelter: the archaeolevel Oa.

Authors: Bustos-Pérez, G., Baena, J., Carrrión, E., **Vaquero, M.**

Oral presentation: Morphological variability between levels through intensity of retouch at Esquilieu Cave XI and VII.



Authors: Duval, M., Grün, R., Parés, J. M., Martín-Francés, L., Campaña, I., **Rosell, J.**, Shao, Q., Arsuaga, J. L., **Carbonell, E.**, Bermúdez de Castro, J. M.

Oral presentation: Direct ESR dating of *Homo antecessor* from Atapuerca Gran Dolina TD-6 (Spain): first results.

Authors: **Rosell, J.**, Blasco, R.

Oral presentation: The role of Hunting/Scavenging from an European perspective.

Authors: **De Lombera-Hermida, A.**, **Pedro Rodríguez-Álvarez, X.**, Lantes, O., **Gómez De Soler, B.**, Duarte, E., De La Rasilla Vives, M., Pérez-Alberti, A., Fábregas-Valcarce, R.

Oral presentation: Moving stones about: petrographic insights on the Paleolithic groups of inland Galicia (NW Spain).

Authors: Romagnoli, F., **Vaquero, M.**, Bargalló, A., **Chacón, M. G.**, **Gómez de Soler, B.**

Oral presentation: Neanderthal intra-site spatial patterns and social dynamics: What are we talking about?

Authors: **Eixea, A.**, Romagnoli, F., Bargalló, A., **Gómez de Soler, B.**, **Vaquero, M.**, **Chacón, M. G.**

Oral presentation: Does size really matter? Micro-lithic production at Abric Romaní levels J, L and M: Exploring economic and evolutionary implications for Neanderthal societies

Authors: Viallet, C., De Weyer, L., Ivorra, J., Rios, J., **Barsky, D.**, Cuartero Bello, F., Bourguignon, L.

Oral presentation: Launched percussion of heavy-duty tools in the early Acheulian level (US4) of the Bois-de-Riquet site (Lézignan-la-Cèbe, Hérault, France).

Authors: Maroto, J., Millan, F., Álvarez, M., Albizuri, S., Roqué, C., **Rivals, F.**, **Allué, E.**, **Vaquero, M.**

Oral presentation: Dépôt d'un ensemble d'éléments ornementaux dans le Paléolithique supérieur du Cau del Roure (Serinyà, nord-est de la Péninsule Ibérique).

Authors: Sañudo Die, P., Fernández Peris, J., **Vaquero, M.**

Oral presentation: Living around the Hearths: Middle and Upper Pleistocene Neanderthal occupation patterns at Bolomor Cave (Valencia, Spain) and Abric Romaní (Barcelona, Spain).

Authors: De Weyer, Bourguignon, L., Ivorra, J., Viallet, C., **Barsky, D.**

Oral presentation: US4 Bois-de-Riquet, Lézignan-la-Cèbe, France. Characterizing a Lower Pleistocene basalt industry.

Authors: **Gómez-Merino, G.**, **Lorenzo, C.**, Subirà, E., **Lozano, M.**, Aparicio, J.

Poster: Conservation methodology applied to the *Homo neanderthalensis* remains from Cova Foradà site (Oliva, Valencia, Spain).

Authors: **Martín-Viveros, J.I.**, **Ollé, A.**

Poster: Use-wear and residue mapping in Traceology. A multi-scalar approach combining Digital 3D, Optical Light and Scanning Electron Microscopy

Authors: **Lombao, D.**, **Cueva-Temprana, A.**, **Mosquera, M.**

Poster: Evaluating the effects of different mechanisms of social transmission for the acquisition of manual gestures of lithic technology.

Authors: Cabestrero-Rincón, M.A., Balzeau, A., **Lorenzo, C.**

Poster: Differential evolution of cerebral and cerebellar fossae in recent *Homo*: A new methodological approach



Authors: **Rabuñal, J.R.**, Fernández-Marchena, J.L., **Soares-Remiseiro, M.**

Poster: Traces, fractures and iridescences. The identification of diagnostic projectile impact features on rock crystal.

Authors: **Bucchi, A.M.**, Manzanares, C., Bucchi, C., **Lozano, M.**, Romero, A., **Lorenzo, C.**, **Luengo, J.**

Poster: Can muscle architecture explain the variability in the first metacarpal morphology? Inferences on human hand evolution.

Authors: **Willman, J. C.**, Romero, A., Subirà, M.E., **Lozano, M.**

Poster: Non-alimentary tooth use in European Prehistory on human hand evolution

Authors: **Lombao, D.**, **Cueva-Temprana, A.**, Morales, J.I., **Mosquera, M.**

Poster: Experimental study for quantifying core reduction in Palaeolithic flake-production strategies.

Authors: **Cueva-Temprana, A.**, **Lombao, D.**, Morales, J.I., **Mosquera, M.**

Poster: Identification of gestural sequences in Early and Middle Pleistocene lithic industries.

Authors: Rey-Rodríguez, I., **López-García, J. M.**, **Blain, H-A.**, Fernández-García, M., **Tumung, L.**, **Ollé, A.**, **Bazgir, B.**

Poster: Palaeoenvironmental and palaeoclimatic reconstruction in relation with the late human occurrence in the near east: through the small-vertebrates assemblages from Kaldar Cave (Khorramabad Valley, Iran).

Authors: Campaña, I., Benito-Calvo, A., Pérez-González, A., Bermúdez de Castro, J.M. **Carbonell, E**

Poster: Source and characterization of the silt of Gran Dolina site (Sierra de Atapuerca, Spain).

Authors: Campaña I., Wynn J.G., Benito-Calvo A., Pérez-González A., Bermejo L., Iglesias-Cibanal J., Bermúdez de Castro J.M., **Carbonell E.**

Poster: Paleo-climate reconstruction of the Gran Dolina site (Sierra de Atapuerca, Spain) using Hydrogen stable isotope of authigenic clay minerals.

Authors: Bermejo L., Ortega A.I., Guérin R., Parés J.M., Campaña I., Martínez-Fernández A., Bermúdez de Castro J.M., **Carbonell E.**

Poster: Identifying fossil cave entrances with ERT at Sierra de Atapuerca caves (Burgos, Spain).

Authors: Lira, J., Martín, P., **Vergès, J.M.**, Arsuaga, J.L.

Poster: Absence of *Equus hydruntinus* in the Iberian Bronze Age faunal assemblage: The mitochondrial DNA evidence from El Mirador cave (Atapuerca, Spain).

NETSCI 2018

Venue: Paris, France

Date: 11th June

Organizer institution: Network Science Association

Authors: Morer, I., Cardillo, A., Prignano, L., Diaz-Guilera, A., **Lozano, S.**

Oral presentation: Efficiency - based comparison and design of spatial networks.



International Paleolinology Association-International Association of Limnogeology joint meeting

Venue: Stockholm (Sweden)

Date: 18th- 21st June

Organizer institution: University of Stockholm

Authors: **Brisset E.**, Cartier R.

Oral presentation: Influence of erosion and vegetation changes on diatom deposits in high-altitude lakes of the European Alps.

Authors: Aubert C., Djamali M., **Brisset E.**, Lahijani H., Naderi-Beni A., Ponel P., Gandouin E.

Poster: Hydro-climatic variability in western Iran since the Lateglacial: subfossil chironomids, a new promising proxy for palaeohydrological reconstructions in the Middle-East.

XVI Annual Meeting of the European Association of Vertebrate Palaeontology

Venue: Lisbon, Portugal

Date: 26th June -1st July

Organizer institution: University of Caparica

Author: **López-García, J.M., Blain, H.-A.**

Symposium: Quaternary small vertebrates: state of the art and new insights of the XVI EAVP meeting.

Authors Galán, J., Núñez-Lahuerta, C., Moya-Costa, R., **López-García J.M.**, Cuenca-Bescós, G.

Oral presentation: A million years of bat fossil record from two of the Atapuerca cave localities.

Authors: **Blain, H.-A., Martínez-Monzón, A., López-García, J.M., Lozano-Fernández, I., Folie, A.**

Oral presentation: Amphibians and squamate reptiles from the latest Pleistocene of the Caverne Marie-Jeanne (Hastière-Lavaux, Namur) and a review of the Quaternary herpetofauna from Belgium.

Authors: Jovanović, M., Đurić, D., Bogićević, K., Nenadić, D., **Agustí, J., Blain, H.-A.**

Oral presentation: Pleistocene small-vertebrate studies in Serbia (Balkan Peninsula, SE Europe): State of the art and perspectives.

Authors: Rey-Rodríguez, I., **López-García, J.M., Blain, H.-A.**, Fernández-García, M., **Tumung, L., Ollé, A., Bazgir, B.**

Oral presentation: Paleontological data about the small vertebrate assemblage from the Late Pleistocene of Kaldar Cave (Khorramabad Valley, Iran).

Authors: **Bisbal Chinesta, J.F., Blain, H.-A.**, Sánchez, R., Albero, L., Ortega, C., Cuenca-Bescós, G.

Poster: Calibrating Pleistocene and Holocene paleoenvironmental reconstructions using an actualistic herpetological approach: The case of Atapuerca (Burgos, Spain).

Authors: Domínguez García, A.C., Laplana, C., Sevilla, P., **Blain, H.-A.**, Palomares Zumajo, N., de Lugo Enrich, L.B.

Poster: Small mammals from the Holocene archaeological site of Castillejo del Bonete (Terrinches, Ciudad Real, Spain).



2018

Authors: **Lozano-Fernández, I., Blain, H.-A., Agustí, J., Piñero, P., Barsky, D.,** Ivorra, J., Bourguignon, L.

Poster: New clues about the late Early Pleistocene peopling of western Europe: The small vertebrates from The-Bois-de-Riquet archaeo-paleontological site (Lézignan-la-Cèbe, Southern France).

Paleopersepolis symposium

Venue: Kiel, Germany

Date: 4th- 6th July

Organizer institution: University of Kiel

Authors: **Brisset E.,** Djamali M.

Oral presentation: Centennial-scale hydrological changes in the Persepolis basin inferred from the 3800-year sediment record of Lake Maharlou

Social Simulation Conference 2018

Venue: Stockholm, Sweden

Date: 20th August

Organizer institution: European Social Simulation Association and University of Stockholm

Authors: **Lozano, S., Prignano, L., Gómez, M., Fernández-López de Pablo, J.**

Oral presentation: Early Holocene socio-ecological dynamics in the Iberian Peninsula: A network approach.

Conference NeanderArt2018

Venue: Turin, Italy

Date: 22nd- 26th August

Organizer institution: UISPP and IFRAO

Authors: Rodríguez-Hidalgo, A., Morales, J.I., Cebriá, A., **Courtenay, L.A.,** Fernández-Marchena, J.L., García García-Argudo, G., Marín, J., **Saladié, P.,** Soto, M., Tejero, J.M., Fullola, J.M.

Oral presentation: Châtelperronian cut-marked raptor phalange from Cova Foradada (Calafell, Spain).

PRIDE-RCMNS Conference "Ecosystem isolation and connection: rise and demise of biota in the ponto-caspian Caucasian region"

Venue: Tbilisi, Georgia

Date: 26th-29th August

Organizer institution: Georgian National Museum

Authors: **Agustí, J., Piñero, P.,** Furió, M., **Blain, H.-A.,** Blanco, A., Chochisvili, G., Lordkipanidze, D.

Oral presentation: Small vertebrates from the late Miocene hominoid-bearing site of Udabno (Georgia).



13th ICAZ International Conference

Venue: Ankara, Turkey

Date: 2nd-7th September

Organizer institution: Middle East University of Ankara

Authors: **Rivals, F., Tornero, C.**

Session: High-resolution analyses of dental remains: Broadening horizons

Authors: **Modolo, M.**, Blasco, R., **Rosell, J.**

Session: Bone refits in faunal analyses: case studies and applications in archaeological assemblages

Author: **López García, J. M.**

Oral presentation: Western Mediterranean environment and climate during the Late Quaternary using small mammal assemblages.

Authors: **Blain, H.-A., Agustí, J., Lozano-Fernández, I., Piñero, P.**, Blanco-Lapaz, Á., **Sánchez-Bandera, C.**, Jiménez-Moreno, J.M.

Oral presentation: Investigating the paleoecological context of the earliest hominin settlement in Western Europe using small vertebrates.

Authors: Pappa, S., Manning, C., Schreve, D., **Rivals, F.**

Oral presentation: Unlocking the dietary history of Late Pleistocene red deer individual from tooth enamel.

Authors: Gallego Valle, A., Colominas, L., **Rivals, F., Tornero, C.**

Oral presentation: Creating an experimental reference collection to study domestic ovine herds' diet based on dental microwear.

Authors: **Martinez-Polanco, M.F., Rivals, F.**, Cooke, R.G.

Oral presentation: Behind deer teeth: A microwear and mesowear analysis of Panamanian pre-Columbian archaeological sites.

Authors: Gourichon, L., Naji, S., Alarashi, H., Blaise, E., Discamps, E., Jimenez, E-L., Parmigiani, V., Pasqualini, A., Pubert, E., Rigaud, S., **Sánchez-Hernández, C.**, Stock, S., Vuillien, M., White, R., Rendu, W.

Oral presentation: Estimating the age and season-at-death of ungulates from the analysis of archaeological dental cementum: Recent improvements and perspectives from the CemeNTAA project.

Authors: **Ramírez Pedraza, I.**, Pappa, S., Blasco, R., Maroto, J., Soler, J., Soler, N., **Rosell, J., Rivals, F.**Oral presentation: Bear in mind: The last diets of the cave bear (*Ursus spelaeus*) from the Late Pleistocene in the northeast of the Iberian Peninsula.Authors: **Modolo, M.**, Blasco, R., **Rosell, J.**

Oral presentation: Space, time and movements: how bone refits can be used to reconstruct Neanderthal's occupational models: the case of Abric Romani (Barcelona, Spain) and Riparo Tagliente (Verona).

Authors: **Tornero, C., Burguet-Coca, A.**, Colominas, L., Gallego, A., **Rivals, F.**, Palet, J. M.

Poster: A program with modern sheep "Ripollesa" breeds: building microwear, stable isotopes and coprolites refs for the Iberian Peninsula



Authors: **Sánchez-Hernández, C., Rivals, F.**

Oral presentation: Ecological niches of Neanderthal ungulates preys at Iberian Mediterranean re-gion. Are there any ecological niches variation through different latitudinal gradient?



Carlos Sánchez during his presentation - F. Rivals

24th Annual Meeting of the European Association of Archaeologists (EAA).

Venue: Barcelona, Spain

Date: 5th- 8th September

Organizer institution: European Association of Archaeologists and Universitat Autònoma de Barcelona

Authors: **Brisset, E., Dupont, C., Burjachs, F.**

Session #420: Sensitivity and resilience of human communities to coastal environmental changes during the Early to Mid-Holocene.

Authors: Fernández-Marchena, J.L., **Asryan, L.**, Pedernana, A., **Ollé, A.**

Session #438: Not only use: application of functional methods for a better comprehension of operative chains.

Authors: Molist, M., **Gómez, M.**, Mateu, M., Gómez Bach, A., Belarte, C., Wattez, J., Jallot, L.

Session #502: Earthen architecture and habitation sites: Building ways of life in Prehistory.

Authors: **Brisset, E., Fernández-López de Pablo, J., Burjachs F.**

Oral presentation: Reconstruction and impact of seascape evolution on human communities during the Mesolithic – Neolithic transition in the Mediterranean Iberia.

Authors: **Burjachs, F.**, Mesquita-Joanes, F., Marco-Barba, J., Reed, JM., Santisteban, C., Usera, J., Guillem, J., Alberola, C., **Expósito-Barea, I.**, Patchett, F.

Oral presentation: Socioecology and climate events during the Holocene in the East of Iberian Peninsula.





Members of Paleodem team during the EEA - IPHES

Authors: **Martín-Viveros, J.I., Ollé, A.**

Oral presentation: The multi-analytical contextual approach. An example of a systematic Characterization of fresh residues on experimental flint tools

Authors: García-Medrano, P., Ashton, N., Moncel, M-H., **Ollé, A.**

Oral presentation: Breaking down methodological barriers for the study of the Middle Pleistocene industries in the western side of Europe

Author: **Allué, E.**

Oral presentation: The meaning of charcoal taphonomical markers values in Palaeolithic *Pinus sylvestris* type assemblages from the NE of Iberia

Authors: **Vergès-Bosch, J.M.**, Marsal, R., **Fontanals, M.**, Martinell, J., **Allué, E.**, Morales, J.I., Cebrià, A., Oms, F.X.

Oral presentation: El Cavet (Tarragona, NE Ibera) 5600-3000 cal BC: Neolithis settlement strategies in a coastal environment.

Authors: **Hernando, R.**, Gamarra, B., **Lozano, M.**, Tutkovics, E.K., Kalli, A., Köhler, K., Szeniczey, T., Hajdu, T., Feeney, R.N.M., Pihnasi, R

Oral presentation: Paleodietary reconstruction of the Bükkábrány - Bányá population (Eastern Hungary) through novel application of dental microwear and stable isotopes approaches.

Authors: **Rabuñal, J.R., Fernández-López de Pablo, J.**

Oral presentation: Lithic assemblages from Arenal de la Virgen and Casa Corona sites (Villena, Alicante): Preliminary results on morpho-technical and spatial analyses.

Authors: Real, C., Sanchis, A., Morales, J.V., **Pérez, L.**, Vadillo, M., Aura, E., Villaverde, V., Pérez-Ripoll, M.

Oral presentation: Changes in the human subsistence patterns during the Pleistocene-Holocene transition: a review of data from the Iberian mediterranean central region

Authors: **Cucart-Mora, C.**

Oral presentation: Analysing temporal series: from ABM outcomes to the radiocarbon record.

Authors: **Gómez de Soler, B.**, Soto, M., **Vallverdú, J., Vaquero, M.**



Oral presentation: Determining the foraging radius of the Neanderthals of the Abric Romaní (NE Spain) through their chert procurement strategies.

Authors: **Asryan, L., Ollé, A.,** Camarós, E., Moloney, N., Fernández-Jalvo, Y.

Oral presentation: Bears (Ursidae) as lithic assemblage “modifiers”

Authors: **Gómez-Puche M., Polo-Díaz, A., Fernández-López de Pablo, J.**

Oral presentation: Radiocarbon dating program and Bayesian Chronological modelling at the Early Holocene sites of Arenal de la Virgen and Casa Corona.

Authors: **Gómez-Puche M., Polo-Díaz, A., Fernández-López de Pablo, J.**

Oral presentation: Radiocarbon dating program and Bayesian Chronological modelling at the Early Holocene sites of Arenal de la Virgen and Casa Corona.

Authors: **Polo-Díaz, A.,** Poch, R.M., Ferrer, C., **Gómez-Puche M., Fernández-López de Pablo, J.**

Oral presentation: Integrative geoarchaeological approaches to the investigation of Early and Late Mesolithic campsites in SE Iberia.

Authors: **Lozano, S., Prignano, L., Gómez-Puche M., Fernández-López de Pablo, J.**

Oral presentation: Early Holocene socio-ecological Dynamics in the Iberian Peninsula: A network approach

Authors: **Fernández-López de Pablo, J., Gómez-Puche M., Lozano, S., Silva, F.**

Oral presentation: Late Glacial-Early Holocene population patterns in the Iberian Peninsula using summed radiocarbon date probability distributions.

Authors: **Mateo Lomba, P., Ollé, A., Cáceres, I.**

Oral presentation: Knapped Bones Used as Tools: Resolving Equifinality through an Experimental Approach

Authors: **del Valle Blanco, H., Cáceres, I., Tornero, C., Burguet-Coca, A., Vergès, J.M.**

Oral presentation: Bone Diagenesis in Fumier Contexts: Assessing Postdepositional Processes

Authors: **Burjachs, F.,** Jones, S.E., Schulte, L., Giralt, S., **Fernández-López de Pablo, J.**

Oral presentation: Last Glacial – Middle Holocene climate and environmental dynamics in the Upper Vinalopó inferred from the multi-proxy analysis of lake records.

Authors: **Val-Peón, C., Expósito, I., Burjachs, F.**

Oral presentation: What happens with pollen grains in hearths? Taphonomic approach to the pollen record from Abric Romaní level M (NE Iberian Peninsula).

Authors: **Gómez-Puche M., Polo-Díaz, A., Vergès-Bosch, J.M.**

Oral presentation: Building new homes, Early Neolithic earthen architecture and domestic spaces at the Iberian Peninsula.

Authors: **Brisset, E., Fernández-López de Pablo, J., Burjachs, F.**

Poster: The coastal palaeoenvironmental evolution of Pego – Oliva during the Mesolithic – Neolithic transition (Western Mediterranean): A contribution to the “Maritime pioneer colonization model”.



24th European Meeting of Environmental and Engineering Geophysics. Near Surface Geoscience Conference & Exhibition 2018

Venue: Porto, Portugal

Date: 9th – 13th September

Organizer institution: European Association of Geoscientists & Engineers

Author: Bermejo L., Ortega A.I., Thiesson J., Parés J.M., Guérin R., Campaña I., Bermúdez de Castro J.M., **Carbonell E.**

Oral presentation: Can magnetometry detect sediment-filled caves? The case study of the Sierra de Atapuerca Sites (Burgos, Spain)

15th Congress of PanAfrican Archaeological Association for Prehistory and Related Studies (PanAf)

Venue: Rabat, Morocco

Date: 10th – 14th September

Organizer institution: Mohamed V University

Author: **López García, J. M.**

Oral presentation: Chronological and palaeoecological data inferred from the small mammals assemblage from the Holocene site of Guenfouda (Jerada, Eastern Morocco).

Authors: **Chacón, M. G.**, Soto, M., Morales, J.I., **Lombao, D.**, Bartrolí, R., **Menéndez, L.**, **De Lombera, A.**, **Canals, A.**, Benito-Calvo, A., Tarriño, A., Souhir, M., Bengarmra, S., Haddoumi, H., El Hammouti, K., Aouraghe, H., **Sala-Ramos, R.**

Oral presentation: What's new about the North African Middle Stone Age at Eastern Morocco?: The Ain Beni Mathar – Guefaït open air sites

Authors: **Cáceres I.**, Sahnouni M., Semaw S., Rogers M.J., Kandi N

Oral Communication: From East to North Africa: Early evidence of hominin faunal exploitation from Gona (Ethiopia) and Ain Boucherit (Algeria) Early Pleistocene sites.

Authors: Semaw S., Rogers M.J., **Cáceres I.**, Levin N., Leiss A.

Oral Communication: The Oldowan and the Acheulian Archaeological records at Gona, Ethiopia

Authors: Sahnouni M., Pares J., Duval M., Van der Made J., Harichane Z., Perez-Gonzalez A., Abdessadok S., Arnold L., **Cáceres I.**, Kandi N., Chelli-Cheheb R., Boulaghraïf K., **Agusti J.**, Saidani N., Mouhoubi Y.

Oral Communication: Early *Homo* adaptive and behavioral patterns in North Africa: Perspectives from Ain Hanech and Tighennif (formerly Ternifine) sites in northern Algeria

Authors: Chelli-Cheheb R., **Cáceres I.**, Sahnouni M., Abdessadok S., Harichane Z., Van der Made J.

Oral Communication: Evidence of *Homo erectus* subsistence activities from the Acheulean site of Tighennif (Algeria)

Authors: **Agustí, J. Piñero, P.**, **Blain, H-A.**, Aouraghe, H., Haddoumi, H., El Hammouti, K., **Chacón, M. G.**, **Sala-Ramos, R.**

Oral presentation: The early Pleistocene small vertebrates from Guefeit 4 (Jerada, Morocco).

Authors: **Mtimet, M.-S.**, **López-García, J.M.**, **Blain H.-A.**, Amri, L., Karoui-Yaakoub, N., **Martínez-Navarro, B.**



Oral presentation: The microvertebrate assemblage from the early Middle Pleistocene archeo-paleontological site of Wadi Sarrat (El Kef, Tunisia). Biochronological and palaeoecological implications.

ESHE 8th Annual Meeting

Venue: Faro, Portugal

Dates: 13th-15th September

Organizer institution: European Society for the Study of Human Evolution

Authors: **Del Bove, A.**, Profico, A., **Lorenzo, C.**

Poster: Sexual dimorphism in human frontal bone: a landmark-based approach

Authors: **Bucchi, A.**, Püschel, T., **Lorenzo, C.**, Marcé-Nogué, J.

Poster: Stress distribution in the thumb proximal phalanx in Chimpanzee and *Homo* species during simulated stone-tool use

Authors: Pérez-López, N., **Lorenzo, C.**

Poster: Paranasal sinuses still have much to say: introducing the surface-volume index of frontal sinuses

Authors: Sala, N., Arsuaga, J.L., Pantoja-Pérez, A., Martínez, I., García, N., Quam, R., Aranburu, A., **Lorenzo, C.**, Gracia, A, Pablos, A., Gómez-Olivencia, A.

Oral presentation: The Sima de los Huesos origin of hominin accumulation. The state of the art.

Authors: Bargalló, A., Profitt, T., De la Torre, I., **Mosquera, M.**

Poster: Searching for novices in the archaeological record.

Authors: Riga, A., Dori, I., Vierin, S., Boschian, G., Tozzi, C., **Willman, J.C.**, Moggi-Cecchi, J.

Poster: A reappraisal of the human remains from the Upper Palaeolithic–Mesolithic levels of Riparo Fredian (Tuscany, Italy).

Authors: Duval, M., Grün, R., Parés, J.M., Martín-Francés, L., Campaña, I., **Rosell, J.**, Shao, Q., Arsuaga, J.L., **Carbonell, E.**, Bermúdez de Castro, J.M.

Poster: First direct ESR dating study of *Homo antecessor* from Atapuerca Gran Dolina TD-6 (Spain).

Authors: **Rangel de Lázaro, G.**, Neubauer, S., Gunz, P., Bruner, E.

Poster: Ontogenetic changes of diploic channels in modern humans, and a comparison to fossil hominins.

11th Annual International Conference Society for the Study of Childhood in the Past

Venue: Vienna, Austria

Date: 20th- 22nd September

Organizer institution: Natural History Museum and ERC project ‘The Value of mothers to society’

Authors: **Hernando, R.**, **Lozano, M.**, **Alonso, S.**, **Vaquero, M.**

Poster: Live fast, die young. The Children from Valdavara Cave: Diet and culture through dental microwear pattern



ATLAS Annual Conference

Venue: Copenhagen, Denmark

Date: 26th September

Organizer institution: ATLAS

Authors: Paulino, I., Prats, L., **Lozano, S.**

Oral presentation: Identifying tourism destinations from customers' gaze

Colloque "Relations Hommes/Canidés" de la Préhistoire aux périodes modernes

Venue: Pessac, France

Date: 1st-3rd October

Organizer institution: Université Bordeaux-Montaigne

Authors: Sanchis, A., Sauqué, V., Real, C., **Pérez, L.**, Gómez-Olivencia, A., Morales-Pérez, J.V., Aura, E., Villaverde, V., Rasilla, M., Duarte, E., Pérez-Ripoll, M.Oral presentation: Towards a correct identification of Pleistocene dhole populations (genus *Cuon*) in the Iberian Peninsula: archaeological implications**39èmes Rencontres Internationales d'Archéologie et d'Histoire d'Antibes. Hommes et Caprinés, De la montagne à la steppe, de la chasse à l'élevage.**

Venue: Antibes, France

Date: 16th-18th October

Organizer institution: CEPAM

Authors: **Martín, P.**, Nadal, J., Oms, X., **Vergès, J.M.**

Oral presentation: L'élevage de chèvres et moutons dans les grottes-bergeries du Néolithique ancien.

Authors: **Rivals, F.**, **Sánchez-Hernández, C.**, Crégut-Bonnoure, E.Oral presentation: Flexibilité de l'alimentation des caprinés du Pléistocène supérieur (genres *Capra*, *Hemitragus* et *Rupicapra*) dans la Vallée du Rhône.Authors: Jiménez Manchón, S., Gardeisen, A., **Rivals, F.**, Valenzuela-Lamas, S., Santos, M., Castanyer, P., Tremoleda, J., Del Prado, G., Codina, F., Plana-Mallart, R.

Oral presentation: Different or similar? Pastoral management of caprines among Greeks and Iberians (VI-III c. BC) in Empordà (Girona, Catalonia). A perspective through dental microwear.

METROARCHAEO 2018. IEEE International Conference on Metrology for Archaeology and Cultural Heritage

Venue: Cassino, Italy

Date: 22nd-24th October

Organizer institution: University of Cassino and Southern Lazio

Authors: García-Medrano, P., Maldonado-Garrido, E., Ashton, N., **Ollé, A.**

Oral Presentation: Objectifying processes: The Multivariate analyses of the Acheulean tools in the Western Europe.



British Museum Palaeolithic Mesolithic Conference 2018

Venue: London, United Kingdom

Date: 25th-26th October

Organizer institution: British Museum

Authors: García-Medrano, P., Ashton, N., Moncel, M-H., **Ollé, A.**, Evans, A.

Oral Presentation: The European Acheulean: a new look from the West.

7ème Rencontre Internationale sur la Valorisation et la Préservation du Patrimoine Paléontologique

Venue: Errachidia, Morocco

Date: 7th- 9th November

Organizer institution: Université Moulay Ismaïl

Authors: Aouraghe, H., Haddoumi, H., El Hammouti, K., **Sala, R., Agusti, J., Chacón, M.G.**, Hajji, M., Souhir, M., Mhamdi, H., El Atmani, A.

Oral presentation: Les faunes de grands vertébrés de la province de Jerada (Ain Béni Mathar et Guéfait), Maroc oriental: nouvelles découvertes.

Authors: **Agustí, J., Blain, H.-A.**, Hassan, A., Haddoumi, H., Kamal, E., **Chacón, M.G., Sala, R.**

Poster: The Early Pleistocene small vertebrates from Guefeit 4 (Jerada, Morocco).

Authors: **Moreno-Ribas, E., Chacón, M.G., Sala-Ramos, R.**, Aouraghe, H.

Poster: Conservation and restoration in the palaeontological Pleistocene sites of Ain Beni Mathar-Guefait (Jerada, Morocco). The scientific studies and the musealization as guidelines.

Computational models in Palaeolithic Archaeology and Palaeoecology

Venue: Burgos, Spain

Date: 27th November

Organizer institution: CENIEH and METHOD IFG (INQUA)

Authors: **Lozano, S.**

Oral presentation: Network analysis: A brief introduction and some tips for its application to Prehistoric studies.

METHOD IFG workshop 2018. "We boldly went". Advances and progress modelling the MPR.

Venue: Burgos, Spain

Date: 28th– 29th November

Organizer institution: CENIEH

Authors: García-Medrano, P., Ashton, N., Moncel, M-H., Maldonado-Garrido, E., **Ollé, A.**

Oral Presentation: The Western European Acheulean Project: The human occupation of the Western side of Europe from a technological perspective.



Short-term stays at other research centers

National

Center: **AMBI LAB-Archaeological, Micromorphology and Biomarkers Laboratory. University of La Laguna.**

IPHES' member: **Ana Polo Díaz**

City: La Laguna, Tenerife

Dates (start/ end): 2nd- 26th November

Scientific purpose: To consult reference collection of experimental combustion structures available at the research center and discuss micromorphological results with PI of ERC Consolidator project PALEOCHAR, Dr Carolina Mallol, concerning the archaeological structures documented at the Early and Late Mesolithic campsite of El Arenal de la Virgen (Alicante).

Center: **Instituto de Evolución en África, IDEA**

IPHES' member: **Palmira Saladié**

City: Madrid

Dates (start/ end): 22nd-28th October

Scientific purpose: Spatial statistic studies

Center: **Instituto Internacional de Ciencias Prehistóricas de Cantabria (IIIPC)**

IPHES' member: **Anna Rufà**

City: Santander

Dates (start/ end): 16th-18th April

Scientific purpose: Revision and discussion about La Garma avian remains

Center: **Museo Arqueológico Nacional de Burgos**

IPHES' member: **Palmira Saladié**

City: Burgos

Dates (start/ end): 5th- 9th November

Scientific purpose: Materials analysis

Center: **Museo de Cáceres**

IPHES' member: **F^o Javier García Vadillo**

City: Cáceres

Dates (start/ end): 13th- 28th November

Scientific purpose: Analysis of lithic technology of Santa Ana cave

Center: **Museu de Prehistòria de València**

IPHES' member: **Leopoldo Jesús Pérez Luis**

City: València

Dates (start/ end): 1st March- 30th April

Scientific purpose: Predoctoral research

Center: **Universitat Autònoma de Barcelona**

IPHES' member: **John C. Willman**

City: Barcelona

Dates (start/ end): 14th February

Scientific purpose: Research trip to use confocal microscope.

Center: **Universidad Autónoma de Madrid**

IPHES' member: **Susana Alonso**

City: Madrid



Dates (start/ end): 5th November- 14th December

Scientific purpose: Study of the lithic industry collection of Parque Darwin site.

Center: **Universidad de Alicante**

IPHES' member: **John C. Willman**

City: Alicante

Dates (start/ end): 19th-21st February

Scientific purpose: Research trip for 3D scanning analyses with Dr. Alejandro Romero.

Center: **Universidad de Alicante**

IPHES' member: **John C. Willman**

City: Alicante

Dates (start/ end): 6th-19th May

Scientific purpose: Research trip for 3D scanning analyses with Dr. Alejandro Romero.

Center: **Universidad de Alicante**

IPHES' member: **John C. Willman**

City: Alicante

Dates (start/ end): 3rd-9th September

Scientific purpose: Research trip for 3D scanning analyses with Dr. Alejandro Romero.

Center: **Universidad de Granada and Museo arqueológico de Granada**

IPHES' member: **Stefania Titton**

City: Granada

Dates (start/ end): 1st March- 23rd April and 5th- 30th May

Scientific purpose: Study of percussion materials from Barranco León (see Titton et al., 2018)

Center: **Universidad de Granada and Museo arqueológico de Granada**

IPHES' member: **Stefania Titton**

City: Granada

Dates (start/ end): 3rd October- 22nd December

Scientific purpose: Inventory and organization of the Fuente Nueva 3 lithic collection from the campaigns from 1995 to 2017

International

Center: **British Museum, Franks House**

IPHES' member: **Andreu Ollé**

City, country: London, United Kingdom

Dates (start/ end): 7th- 9th October

Scientific purpose: 2nd Meeting WEAP project and moulding of archaeological materials from Boxgrove for usewear studies.

Center: **CNR – MNHN**

IPHES' member: **Stefania Titton**

City, country: Blois, France

Dates (start/ end): 24th April- 4th May

Scientific purpose: Study of tichis materials from Pont-de-Lavaud (Report delivered to Barsky, Sala and Desprée)

Center: **Cultures et environnements préhistoire, antiquité, moyen âge (CEPAM) (UMR 7264, CNRS-UNS – National Center for Scientific Research 2016. Nice Sophia-Antipolis University.**

IPHES' member: **Carlos Sánchez Hernández**

City, country: Nice, France



Dates (start/ end): 25th- 29th November

Scientific purpose: Review of the dental cementum samples, and discussion of the results for publication through scientific article and doctoral thesis.

Center: **Department of Human Evolution, Max Plank Institute for Evolutionary Anthropology**

IPHES' member: **José Ramón Rabuñal Gayo**

City, country: Leipzig, Germany

Dates (start/ end): 17th September- 17th December

Scientific purpose: Formation on statistics and intra-site spatial analysis

Center: **Duckworth Laboratory (University of Cambridge)**

IPHES' member: **Ana Bucchi**

City, country: Cambridge, United Kingdom

Dates (start/ end): 7th- 18th May

Scientific purpose: Analysis of material for PhD thesis.

Center: **Gibraltar Museum**

IPHES' member: **Jordi Rosell**

City, country: Gibraltar, United Kingdom

Dates (start/ end): 22nd- 28th September

Scientific purpose: Study of the faunal remains from Vanguard and Gorham's Caves

Center: **Institute of Archeology, Jagiellonian University**

IPHES' member: **John C. Willman**

City, country: Kraków, Poland

Dates (start/ end): 13th-17th November

Scientific purpose: Study of Neandertal fossils from Ciemna Cave.

Center: **Institute of Archaeology, University College London**

IPHES' member: **Ethel Allué**

City, country: London, United Kingdom

Dates (start/ end): 2nd January- 30th June

Scientific purpose: Expanding scientific and teaching horizons in the field of Archaeobotany and Prehistory. Salvador de Madariaga Grant



Ethel allue during her stay in the Kew Gardens Xilology lab – E. Allué



Center: **Institute of Archaeology of the Hebrew University at Jerusalem**

IPHES' member: **Florent Rivals**

City, Country: Jerusalem, Israel

Dates (start/ end): 1st October 2017- 1st January 2018

Scientific purpose: Study of mammals in the ecological niche of the modern humans and the Neanderthals in the south of the Levant – old questions, new answers with high-resolution tools

Center: **Institute of Archaeology, University College London**

IPHES' member: **Bruno Gómez de Soler**

City, country: London, United Kingdom

Dates (start/ end): 5th- 10th November

Scientific purpose: Microporphy and petrographic course training

Center: **Institute of Mediterranean Biodiversity and Ecology (IMBE)**

IPHES' member: **Elodie Brisset**

City, country: Aix-en-Provence, France

Dates (start/ end): 1st-31st October

Scientific purpose: Preparation of the application to two research grants-joint postdoc fellowships (Caixa foundation "Retaining Junior Leader" (Spain); Deutsche Forschungsgemeinschaft "Iranian Highlands" (Germany)).

Center: **MacDonald Institute, University of Cambridge**

IPHES' member: **Carlos Tornero**

City, country: Cambridge, United Kingdom

Dates (start/ end): mid August 2018

Scientific purpose: Samplign specimens for isotopic analyses

Center: **MacDonald Institute, University of Cambridge**

IPHES' member: **Carlos Tornero**

City, country: Cambridge, United Kingdom

Dates (start/ end): 2nd-7th December

Scientific purpose: Samplign specimens for isotopic and microwear analyses

Center: **Muséum national d'histoire naturelle**

IPHES' member: **Robert Sala**

City, country: Paris, France

Dates (start/ end): 14th- 17th June 2018

Scientific purpose: Study of materials

Center: **Muséum national d'histoire naturelle**

IPHES' member: **Robert Sala**

City, country: Paris, France

Dates (start/ end): 19th- 24th November 2018

Scientific purpose: Study of materials

Center: **Natural Science History Museum of Lisbon**

IPHES' member: **Juan Manuel López-García**

City, country: Lisbon, Portugal

Dates (start/ end): 26th September 2018- 28th February 2019

Scientific purpose: Study of the small mammal material from the Late Pleistocene site of Gruta da Oliveira (Torres Novas, Portugal)

Center: **Royal Museum for Central Africa (RMCA)**

IPHES' member: **Ana Bucchi**

City, country: Tervuren, Belgium



Dates (start/ end): 13th November- 13th December
 Scientific purpose: analysis of primate hands for PhD thesis.

Center: **Rutgers University**
 IPHES' member: **Aitor Burguet-Coca**
 City, country: New Brunswick (New Jersey), USA
 Dates (start/ end): 1st-30th April
 Scientific purpose: Ph. D. research mobility

Center: **School of Archaeological Sciences, University of Bradford**
 IPHES' member: **Andreu Ollé**
 City, country: Bradford, United Kingdom
 Dates (start/ end): 15th- 21st April
 Scientific purpose: Use wear analysis of experimental quartzite tools using Laser Scanning Confocal Microscopy. Discussion of results and preparation of conference presentation.

Center: **Senckenberg Center for Human Evolution and Paleoecology (HEP)**
 IPHES' member: **Hugues A. Blain**
 City, country: Tübingen, Germany
 Dates (start/ end): 12/02/2018-12/06/2018
 Scientific purpose: Paleoclimatic reconstruction of the Early Pleistocene from Spain

Center: **Staatsammlung für Anthropologie und Paläoanatomie München**
 IPHES' member: **John C. Willman**
 City, country: München, Germany
 Dates (start/ end): 6th-9th June
 Scientific purpose: Study of Olduvai Hominid 1 dental wear.

Center: **Tel Aviv University**
 IPHES' member: **Jordi Rosell**
 City, country: Tel Aviv, Israel
 Dates (start/ end): 27th January – 01st February 2018
 Scientific purpose: Study of the faunal remains from Qesem Cave

Center: **The Hebrew University of Jerusalem**
 IPHES' members: **Robert Sala, Deborah Barsky, Josep Maria Vergès and Stefania Titton**
 City, country: Jerusalem, Israel
 Dates (start/ end): 4th- 11th December 2018
 Scientific purpose: Spheroids Project. Study and 3D scanning of spheroids from the Developed Oldowan and Early Acheulian site of Ubeidiya (1.6-1.4 Ma, Israel).

Center: **University of Calgary. Department of Anthropology and Archaeology**
 IPHES' member: **Maria G. Chacón**
 City, country: Calgary, Canada
 Dates (start/ end): 22nd-28th June
 Scientific purpose: Visitant Scholar

Center: **University of Ferrara**
 IPHES' member: **Jordi Rosell**
 City, country: Ferrara, Italy
 Dates (start/ end): 20th -27th November
 Scientific purpose: Meeting of the TAPHEN Network.

Center: **University of Liège**
 IPHES' member: **Laxmi Tumung**



2018

City, country: Liège, Belgium

Dates (start/ end): 26th- 28th June

Scientific purpose: Meeting with Dr. Veerle Rots and Visiting Traceolab to discuss the microscopic results of the Iranian sites and possible future collaborations in articles.

Center: **University of Reading**

IPHES' member: **Rosa Huguet**

City, country: Reading, United Kingdom

Dates (start/ end): 1st February- 31st May

Scientific purpose: The main scientific purpose of this stay have been to exchange knowledge about the subsistence strategies of the first European hominins with Dr. Robert Hosfield.

Awards and recognition


Member of the 2019 group of Outstanding Referees of the Physical Review journals

Researcher: **Sergi Lozano**

Entity: American Physical Association





 Academy



Degrees and Doctoral Programme

The IPHES is involved in all three stages of the University studies (bachelor's, master's and doctorate) in collaboration with the Universitat Rovira i Virgili (URV), Tarragona. IPHES researchers participate in teaching programmes adapted to the European Higher Education Area in the following degree courses:

- ❖ Bachelor's Degree in History (URV).
- ❖ Bachelor's Degree in Anthropology and Human Evolution (URV/UOC).
- ❖ Master's degree in Quaternary Archaeology and Human Evolution (*Erasmus Mundus*).
- ❖ Doctoral Programme in Quaternary and Prehistory (*Erasmus Mundus*).

IPHES Academy Responsible: Dr. Carlos Lorenzo (carlos.lorenzo@urv.cat).

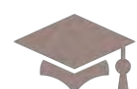


Campus Catalunya (www.urv.cat)

Some IPHES members also participate in the Master's degree in Primatology, managed by the Universitat de Girona – Fundació UdG: Innovació i Formació and the Fundació Mona.

Degree in History (URV)

The bachelor's degree in History programme focuses on the twin goals of imparting the necessary knowledge and methods for the professionalization of students in the field of history, while ensuring that they acquire critical knowledge about the human past as a means to explain the present and understand past societies.



Degree in Anthropology and Human Evolution (URV/UOC)

The bachelor's degree in Anthropology and Human Evolution programme is offered jointly by the Universitat Rovira i Virgili (URV) and Universitat Oberta de Catalunya (UOC). The programme is offered in two modalities: virtual or mixed (virtual and in-person classes). The virtual platform allows students to participate in the programme through the virtual campus of the UOC, while the mixed modality combines virtual classes with some in-person classes for subjects taught at the Campus Catalunya of the Universitat Rovira I Virgili.

Master's degree in Quaternary Archaeology and Human Evolution (*Erasmus Mundus*)

This master's degree programme is based on three main areas: research into human palaeoecology and prehistory, palaeoanthropology, geology and palaeontology of the Quaternary; archaeological intervention in this stage of evolution; and the management, conservation and dissemination of archaeological heritage.

The programme is part of an international consortia comprising the International Master in Quaternary and Prehistory (IMQP) by the following institutions:

- ❖ University of Ferrara (Italy)
- ❖ Universitat Rovira i Virgili (Spain)
- ❖ Polytechnic Institute of Tomar (Portugal)
- ❖ University of Tràs-os-Montes and Alto Douro (Portugal)
- ❖ National Museum of Natural History (Paris, France)

Doctoral Programme in Quaternary and Prehistory (*Erasmus Mundus*)

The aim of the doctoral programme is to train doctors to conduct quality advanced research. To this end, the general objectives are the following:

- ❖ To incorporate doctoral students into a research group.
- ❖ To broaden students' skills so that they become specialized in the various research lines defined by the programme.
- ❖ To encourage students to undertake research projects using the methodology and the scientific principles of their research line.
- ❖ To encourage the acquisition of general skills related to individual and group work, management of bibliographic databases, and the production of a doctoral thesis, etc.



- ❖ To write a doctoral thesis.



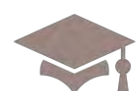
URV Folder Design (www.urv.cat)

The doctoral programme is governed by an agreement between four university institutions, headed by the University of Ferrara (Italy). It aims for doctoral students to study at a minimum of three different institutions under a system of co-supervision, resulting in the award of a multiple degrees. The universities participating in the programme are the following:

- ❖ University of Ferrara (Italy)
- ❖ Universitat Rovira I Virgili (Spain)
- ❖ University of Tràs-os-Montes and Alto Douro (Portugal)
- ❖ National Museum of Natural History (Paris, France)

Research topics of the doctorate programme:

- ❖ Lithic technology
- ❖ Zooarchaeology and taphonomy
- ❖ Paleoanthropology
- ❖ Paleontology
- ❖ Geoarchaeology
- ❖ Evolution of the human behavior and cognition
- ❖ Molecular archaeology
- ❖ Computer applications to archaeology
- ❖ Paleoenvironmental restitution
- ❖ Prehistoric art



2018

- ❖ Heritage dissemination
- ❖ Human paleoecology

Master's degree in Primatology

This master's degree offers a high-quality training that allows the student to achieve the knowledge and skills necessary to carry out tasks and research activities in the field of primatology and other related sciences. The programme is eminently practical, with a dynamic and participatory theoretical approach, which motivates the analytical and reflective capacity of the students throughout the course from an interdisciplinary and integrating point of view.



PhD thesis supervised and defended

Title: **Non-Flint Raw Materials in the European Middle Palaeolithic: Variability of Levallois and Discoid Knapping Methods and Study of the Supply Areas**

Ph. D student: Sara Daffara

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 4th April

Directors: Marta Arzarello and **Manuel Vaquero**

Title: **Geological context of lithic industries in Delia-Fiume Grande valley, Santa Ninfa (TP): Hypothetic early human population in Sicily?·**

Ph. D. student: Sandro Caracausi

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 4th April

Directors: Marta Arzarello and **Robert Sala**

Title: **Morphological and morphometric variations in Middle and Late Pleistocene *Microtus arvalis* and *Microtus agrestis* populations: chronological insight, evolutionary trends and palaeoclimatic and palaeoenvironmental inferences**

Ph. D. student: Elisa Luzi

University: Universitat Rovira i Virgili, Tarragona, Spain.

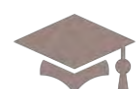
Department: Història i Història de l'Art

Date of presentation: 5th April

Director: **Juan Manuel López García**



Giulia Marciani after her Ph.D. defense with her supervisor and the member of the Jury - IPHES



Title: **Continuities and discontinuities during the late Middle Palaeolithic at the Oscurusciuto rock shelter (Sou-thern Italy). An integrated study of lithic manufacture in the strata SU 15, SU14, SU 13 and Su 11.**

Ph. D. student: Giulia Marciani

University: Universitat Rovira I Virgili

Department: Història i Història de l'Art

Date of presentation: 6th April

Directors: Marta Arzarello and **Robert Sala**

Title: **Les vertébrés fossiles des sites paléolithiques inférieurs: Pirro Nord 13 (Mode I, Italie) et Tighennif (Acheuléen, Algérie). Etude taphonomique et archéozoologique**

Ph. D. student: Razika Chelli Chheb

University: Università degli Studi di Ferrara, Italy

Department: Dipartimento di Studi Umanistici

Date of presentation: April

Directors: **Isabel Cáceres** and Mohamed Sahnouni

Title: **Digital analysis of the diploic vascular system in Anatomy, Archaeology and Paleoanthropology and its implications in the hominid endocraneal thermoregulation**

PhD student: Gizéh Rangel de Lázaro

University: Universitat Rovira i Virgili, Tarragona, Spain /Museum National d'Histoire Naturelle de Paris, France

Department: Història i Història de l'Art

Date of presentation: 10th April

Directors: Emiliano Bruner and **Carlos Lorenzo**

Title: **Upper Palaeolithic rock art of the Italian peninsula. A general review, reframing it into a Euro-Mediterranean context**

Ph. D. student: **Dario Sigari**

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 20th April

Directors: Marcos García Díez and Luiz Oosterbeek





Dario Sigari (top) and Antonio Pineda (right) during the Ph.D. defense - IPHES



Title: El Rol de los homínidos en la formación de conjuntos arqueo-paleontológicos al aire libre: la Mina y el Forn (Barranc de la Boella, Tarragona) y Torralba (Torralba del Moral, Soria)

PhD student: Antonio Pineda Alcalá

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 4th June

Director: **Palmira Saladié**

Title: El conjunto de grabados rupestres de la región de El Arenoso - El Sásabe (Sonora, México). Contextualización tipológica y crono-cultural

Ph. D. student: Beatriz Menéndez

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 23rd October

Directors: Ramon Viñas

Title: La autecología de los gonfoterios (Gomphotheriidae) del Pleistoceno tardío de Chile

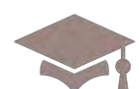
Ph. D. student: E. González Guarda

University: Universidad Complutense de Madrid, Spain

Department: Historia, Historia Antigua y Arqueología

Date of presentation: 19th December

Directors: Paloma Sevilla and **Jordi Agustí**



2018

Title: **Aproximaciones metodológicas desde la arqueopalinología a contextos antropogénicos de la Sierra de Atapuerca (Burgos) y a secuencias naturales del litoral mediterráneo.**

Ph. D. student: Maria Isabel Expósito Barea

University: Universitat Rovira i Virgili, Tarragona, Spain

Department: Història i Història de l'Art

Date of presentation: 20th December

Director: **Francesc Burjachs**



Isabel Expósito during the Ph.D. defense – I. Cáceres



Master thesis supervised and defended

Title: Del bosque al asentamiento: una aproximación a las interacciones de grupos cazadores-recolectores paleolíticos con su entorno vegetal leñoso a través de la antracología y la arqueología espacial (SIG)

Student: Bárbara Mas

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Director: **Ethel Allué**

Title: Análisis Zooarqueológico y Tafonómico de los restos de fauna del nivel TD10.2.2 de Gran Dolina (Atapuerca, Burgos, España)

Student: Óscar Pérez Parque

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Directors: **Palmira Saladié** and Antonio Rodríguez-Hidalgo

Title: Frescos *versus* secos: evaluación en los cambios de coloración de los huesos alterados térmicamente: aproximación experimental y aplicación al registro arqueológico del nivel Qa del Abric Romaní (Capellades, Barcelona)

Student: Edgar Téllez Peñaranda

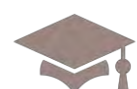
University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Director: **Palmira Saladié**



Master students after Master Thesis lecture at IPHES - IPHES



Title: **El tecnocomplejo Sanzako: estudio tecnotipológico del nivel VI-B de Mumba, (Tanzania)**

Student: Irene Solano Megías

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Directors: **Manuel Vaquero** and José Manuel Maíllo-Fernández

Title: **Aproximación a la Diagénesis del hueso en contextos de *fumier*: La Cueva de El Mirador (Sierra de Atapuerca, Burgos).**

Student: Héctor del Valle Blanco

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Directors: **Isabel Cáceres** and **Carlos Tornero**

Title: **Identificación de las áreas de descanso y reposo en el nivel o del Abric Romaní (Capellades, Noreste de la Península Ibérica)**

Student: Julià Borrell Cañelles

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Director: **Josep Vallverdú i Poch**

Title: **Aproximación a la Tafonomía de los Macro-vertebrados de Camp dels Ninots (Caldes de Malavella, Girona).**

Student: Francisco García Muñoz

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Director: **Isabel Cáceres**

Title: **Estudio de las dinámicas de aprovisionamiento de las materias primas síliceas del yacimiento arqueológico La Balma de la Griera (Calafell, Tarragona) durante el Epipaleolítico**

Student: Cynthia Belén González Olivares

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Director: **Josep Vallverdú i Poch**

Title: **New data from the Balkans: assessment of the post-depositional modifications and the tech-nological variability of the lithic industries of Uzun Mera, Republic of Macedonia**

Student: Andrej Maczkowski

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Directors: Marta Arzarello and **Manuel Vaquero**



Title: El primer poblamiento de Europa: reconstrucción paleoambiental y paleoclimática del Pleistoceno inferior de los yacimientos de Barranco León y Fuente Nueva-3 (Cuenca de Guadix-Baza, Granada) a partir de las asociaciones de anfibios y reptiles

Student: Christian Sánchez Bandera

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 17th September

Directors: **Hugues A. Blain** and **Iván Lozano-Fernández**

Title: Aprovechamiento de recursos vegetales en la secuencia de Cueva Los Catalanes (ca. 600-1550 d.C.), Región de la Araucanía, Chile.

Student: Constanza Roa Solís

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Directors: Débora Zurro and **Francesc Burjachs**

Title: Estudio de la evolución del córtex prefrontal del cerebro en la familia de los homínidos mediante técnicas de morfometría geométrica 3D

Student: Alfredo Suesta

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Directors: **Carlos Lorenzo** and **Marina Mosquera**

Title: The exploitation of animal resources at Cornaleto, a middle Bronze Age site in the Vallo di Diano.

Student: Michele Truffi

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 18th September

Directors: **Isabel Cáceres** and Alessandro Guidi

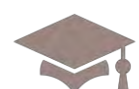
Title: Taxonomía y ecología alimentaria de camélidos del Pleistoceno del centro de México

Student: M. Contreras López

University: Universidad Autónoma del Estado de Hidalgo, México

Date of presentation: 1st November

Directors: V. Bravo-Cuevas and **Florent Rivals**



Participation in assessment Committees

Participation in assessment Committees to evaluate PhD thesis

Title: **Neogene and Quaternary palaeodiversity of the European lizards (Reptilia, Squamata)**

Ph. D. student: Andrea Villa

University: Università di Torino

Date of presentation: 5th March

Director: Massimo Delfino

IPHES member in the Committee: **Hugues A. Blain**

Title: **Geological context of lithic industries in Delia-Fiume Grande valley, Santa Ninfa (TP): Hypothetic early human population in Sicily?**

Ph. D. student: Sandro Caracausi

University: Universitat Rovira i Virigli, Tarragona, Spain

Date of presentation: 4th April

Directors: Marta Arzarello and **Robert Sala**

IPHES member in the Committee: **Josep Vallverdú**

Title: **Morphological and morphometric variations in Middle and Late Pleistocene *Microtus arvalis* and *Microtus agrestis* populations: chronological insight, evolutionary trends and palaeoclimatic and palaeoenvironmental inferences**

Ph. D. student: Elisa Luzi

University: Universitat Rovira i Virigli, Tarragona, Spain

Date of presentation: 5th April

Director: **Juan Manuel López García**

IPHES members in the Committee: **Jordi Agustí, Hugues A. Blain** and **Carlos Lorenzo**

Title: **Upper Palaeolithic rock art of the Italian Peninsula. A general review, reframing it into an Euro-Mediterranean context**

Ph. D. student: Dario Sigari

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 9th April

Directors: Marcos García Díez and Luiz Oosterbeek.

IPHES member in the Committee: **Carlos Lorenzo**

Title: **Digital analysis of the Diploic vascular System in Anatomy, Archaeology and Paleoanthropology and its implications in the homínid endocranial thermoregulation.**

Ph. D. student: Gizéh Rangel de Lázaro

University: Universitat Rovira i Virgili, Tarragona, Spain



Date of presentation: 10th April

Directors: Emiliano Bruner and **Carlos Lorenzo**

IPHES member in the Committee: **Marina Lozano**

Title: **Continuities and discontinuities during the late Middle Palaeolithic at the Oscurusciuto rock shelter (southern Italy). An integrated study of lithic manufacture in the strata SU 15, SU 14, SU 13 and SU 11**

Ph. D. student: Giulia Marciani

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 11th April

Directors: **Robert Sala** and Marta Arzarello

IPHES member in the Committee: **Manuel Vaquero**

Title: **Archaeozoological and Taphonomical Analyses of Faunal Remains from Lower Palaeolithic Site of Isernia La Pineta**

Ph. D. student: Sharada Visweswara Channarayapatna

University: Università degli Studi di Ferrara, Italy

Date of presentation: April, 2018

Director: Ursula Thun Hohenstein

IPHES member in the Committee: **Isabel Cáceres**

Title: **El rol de los homínidos en la formación de conjuntos arqueo-paleontológicos al aire libre: la Mina y el Forn (Barranc de la Boella, la Canonja, Tarragona) y Torralba (Torralba del Moral, Soria)**

Ph. D. student: Antonio Pineda

University: University Rovira i Virgili, Tarragona, Spain

Date of presentation: 4th June

Director: **Palmira Saladié**

IPHES member in the Committee: **Rosa Huguet**

Title: **Análisis Tecnológico de los productos líticos de los estratos 5 y 6 del Abrigo Benzú y su relación con los Yacimientos del entorno. Un estudio de los modos de vida y de Trabajo de las sociedades cazadoras – recol-lectores – pescadores y mariscadores y su vinculación al mar a través de sus herramientas**

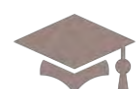
Ph. D. student: Antonio Manuel Barrena Tocino

University: Universidad de Cádiz, Spain

Date of presentation: 26th June

Director: José Ramos Muñoz

IPHES member in the Committee: **Robert Sala**



2018

Title: **Estratigrafía y sedimentología del yacimiento de Gran Dolina (Sierra de Atapuerca, Burgos)**

Ph. D. student: Isidoro Campaña

University: University of Burgos, Spain

Date of presentation: 06th September

Directors: Alfredo Pérez-González and Alfonso Benito-Calvo

IPHES member in the Committee: **Jordi Rosell**

Title: **Microestructura òssia com a mètode per detectar explotació animal: nous avanços en l'estudi de les primeres pràctiques ramaderes al Nord-Est Peninsular**

Ph. D. student: Joaquim Ripoll Miralda

University: Universitat Autònoma de Barcelona, Spain

Date of presentation: September

Director: Dra Maria Saña

IPHES member in the Committee: **Carlos Tornero**

Title: **El conjunto de grabados rupestres de la región de El Arenoso - El Sásabe (Sonora, México). Contextualización tipológica y crono-cultural.**

Ph. D. student: Beatriz Menéndez

University: Universitat Rovira i Virgili, Tarragona, Spain

Date of presentation: 23rd October

Director: Ramón Viñas

IPHES member in the Committee: **Xosé Pedro Rodríguez**



Beatriz Menéndez with her supervisor and the members of the Committee - IPHES

Title: **Taxon-free analysis of mammalian communities in relation to evolutionary survivorship and environmental factors**

Ph. D. student: Kari Lintulaakso

University: University of Helsinki, Finland.

Date of presentation: 24th October



Director: Mikael Fortelius

IPHES member in the Committee: **Jordi Agustí**

Title: **Contexto cronológico de las primeras expansiones humanas en la Cuenca Circum – Mediterranea median-te la aplicación del Paleomagnetismo.**

Ph. D. student: Claudia Álvarez Posada

University: Universidad de Burgos, Spain

Date of presentation: 09th November

Director: Juan José Villalaín

IPHES member in the Committee: **Robert Sala**

Title: **La autecología de los gonfoterios (Gomphotheriidae) del Pleistoceno tardío de Chile**

Ph. D. student: E. González Guarda

University: Universidad Complutense de Madrid, Spain

Date of presentation: 19th December

Directors: Paloma Sevilla and **Jordi Agustí**

IPHES member in the Committee: **Florent Rivals**

Participation in assessment Committees to evaluate Master thesis

Title: **Harnessing disease spreading through voluntary vaccination: A co-evolutionary perspective**

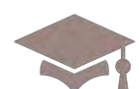
Ph. D. student: Benjamin Franz Josef Steinegger

University: École Polytechnique Fédérale de Lausanne, Switzerland

Date of presentation: 5th September

Director: Paolo de los Rios

IPHES member in the Committee: **Sergi Lozano**





Outreach



Talks & conferences

Catalonia

Els Neandertals i la Cova de les Llenes

Author: Maite Arilla
 Organizer: Aula Universitària
 City: Tremp
 Date: 24/01/2018

Travelling with Neanderthals through the northeastern Iberian Peninsula

Author: M. Gema Chacón and Florent Rivals
 Organizer: Public lecture. 60th Obermaier Annual Meeting of the Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age.
 City: Tarragona
 Date: 04/04/2018

Arqueología neandertal: un dentista en la caverna

Author: Carlos Sánchez Hernández
 Organizer: Pint of Science Tarragona
 City: Tarragona (Spain)
 Date: 14/05/2018 to 16/05/2018

Qué es ser humano y de dónde nos viene.

Author: Marina Mosquera
 Organizer: Pint of Science Tarragona
 City: Tarragona
 Date: 15/05/2018

Muntanya amunt, Muntanya avall: poblament i despoblament de les muntanyes de Prades durant la prehistòria

Author: Josep Maria Vergès
 Organizer: PNIN Poblet / Departament de Territori i Sostenibilitat, Generalitat de Catalunya.
 City: l'Espluga de Francolí
 Date: 16/05/2018

Origen del poblament humà a Europa

Author: Josep Vallverdú
 Organizer: Ajuntament de Sant Pere de Riudebitlles
 City: Sant Pere de Riudebitlles
 Date: 28/05/2018

Atapuerca, 40 años inmersos en el pasado

Author: Eudald Carbonell
 Organizer: Ajuntament de la Garriga
 City: La Garriga
 Date: 08/06/2018

Com era el paisatge del Baix Gaià abans d'ara

Author: Francesc Burjachs
 Organizer: I Jornades de Paisatge Històric del Baix Gaià.
 City: Altafulla



2018

Date: 14/07/2018

Europa fa un milió d'anys (Presentation of exhibition)

Authors: Andreu Ollé

Organizer: Ajuntament de la Selva del Camp / IPHES

City: La Selva del Camp

Date: 16/09/2018

Development and applications of 3D digitalization and geometric morphometrics at IPHES

Author: Carlos Lorenzo

Organizer: IPHES

City: Tarragona

Date: 25/09/2018

Dmanisi: Cuando los humanos salimos de África

Author: Jordi Agustí

Organizer: Pint of Science Tarragona

City: Tarragona

Date: 16/05/2018

Un viaje en el tiempo: Cuando el Mediterráneo se secó

Author: Jordi Agustí

Organizer: Pint of Science Tarragona

City: Tarragona

Date: 16/05/2018

Bailando con lobos: homínidos y carnívoros evolucionando en paralelo

Author: Jordi Rosell

Organizer: Pint of Science Tarragona

City: Tarragona

Date: 16/05/2018



Jordi Rosell (left), Jordi Agustí (center) and Carlos Sánchez (right) participating in the Pint of Science Tarragona 2018.



La ciència ens fa humans

Author: Robert Sala
 Organizer: Pint of Science Tarragona
 City: Tarragona
 Date: 16/05/2018

La evolución de los homínidos, actualización de los conocimientos

Author: Eudald Carbonell
 Organizer: Universitat de Girona
 City: Girona
 Date: 09/11/2018

Scientific divulgation context “Vols saber què investigo?” 2018. Member of the Committee and guest monologist. Monologue: “Eres un neandertal”.

Author: Carlos Sánchez Hernández
 Organizer: Comciencia; Universitat Rovira i Virgili de Tarragona
 City: Reus (Tarragona, Spain)
 Date: 13/11/2018

Mesa de debate. Diàlegs entre científics i gestors a les fundacions de recerca

Author: Eudald Carbonell
 Organizer: Jornada organitzada per la coordinadora de fundacions catalanes
 City: Barcelona
 Date: 20/11/2018

Cooperación, humanidad para ser solidarios y humanismo

Author: Eudald Carbonell
 Organizer: Creu Roja
 City: Valls
 Date: 22/11/2018

Els Primers Assentaments Humans al Pirineu: la Cova de les Llenes i els Neandertals

Author: Maite Arilla
 Organizer: Aula Universitària del Pallars Sobirà. Consell Cultural de les Valls d'Àneu
 City: Esterrri d'Àneu
 Date: 30/11/2018

Caminant entre feres: el Nen de Mojà i els grans carnívors a les Coves del Toll (Toll i Teixoneres, Mojà, Moianès)

Author: Jordi Rosell, Ruth Blasco & Florent Rivals.
 Organizer: Tribuna d'Arqueologia (Departament de Cultura, Generalitat de Catalunya)
 City: Barcelona
 Date: 29/11/2018

Museografia: Museología total

Author: Jordi Agustí
 Organizer: ACCC i Obra Social “La Caixa”
 City: Barcelona
 Date: 01/12/2018



2018

Neandertals entre ossos i glaceres: darreres intervencions a la Cova de les Llenes i a la Cova dels Tritons (congost d'Erinyà, el Pallars Jussà)

Author: Rosell, J, Blasco, R., Rivals, F.

Organizer: Tribuna d'Arqueologia (Departament de Cultura, Generalitat de Catalunya)

City: Barcelona

Date: 12/12/2018

National

Evolució de la vegetació i canvis climàtics en els darrers 10.000 anys: el cas excepcional de Ses Illes Balears

Author: Francesc Burjachs

Organizer: Seminaris de l'Institut Universitari Cavanilles de Biodiversitat i Biologia Evolutiva (ICBiBE)

City: Paterna, València

Date: 18/01/2018

Una mirada prospectiva de la evolución del H. sapiens: En busca de nuevos horizontes. El cazador-recolector

Author: Rosa Huguet

Organizer: Association "Contigo"

City: Noreña, Asturias

Date: 01/2018

Participation in the National Semi-Final of Scientific Monologues FAMELAB 2018 Monologue: "En busca del diente perdido".

Author: Carlos Sánchez Hernández

Organizer: Spanish Foundation for Science and Technology (FECYT) and British Council

City: Zaragoza

Date: 04/04/2018

Atapuerca, 40 años inmersos en el pasado

Author: Eudald Carbonell

Organizer: Jornadas en Boiro

City: La Coruña

Date: 12/05/2018

¿Podemos incidir en la evolución de nuestra especie?

Author: Eudald Carbonell

Organizer: El faro de Vigo

City: Vigo

Date: 14/05/2018

¿Cómo impactará la tecnología en el ser humano?

Author: Eudald Carbonell

Organizer: AECOC en Madrid

City: Madrid

Date: 31/05/2018

Sapos, lagartos y culebras: lo que nos dicen del clima de la Cuenca de Guadix-Baza

Author: Hugues-Alexandre Blain



Organizer: University of Baza (UNED), Cursos de Verano de la Universidad Nacional de Educación a Distancia: *“La cuenca de Baza y Guadix, un enclave paleontológico y prehistórico único en Europa”*

City: Baza, Granada

Date: 27/06/2018 to 29/06/2018

Qué es ser humano y de dónde nos viene.

Author: Marina Mosquera

Organizer: Pint of Science

City: Burgos

Date: 14/07/2018

Another day in the office...Lifeways of ancient hominins

Authors: Deborah Barsky and Stefania Tibbon

Organizer: Juan Manuel Jiménez Arenas; Orce town hall.

City: Orce, Granada

Date: 07/2018

Què ens fa ser Sapiens? (Debat a tres bandes)

Authors: Jordi Serrallonga, Damià Heine, Marina Lozano

Organizer: UOC

City: Palma de Mallorca

Date: 03/10/2018

Atapuerca, 40 años inmersos en el pasado

Author: Eudald Carbonell

Organizer: Jornadas de Prehistoria. De los primeros pobladores al ocaso Neandertal en la Península

City: Jerez, Cádiz

Date: 06/10/2018

Atapuerca, 40 años inmersos en el pasado

Author: Eudald Carbonell

Organizer: Círculo de la Unión

City: Burgos

Date: 11/10/2018

Atapuerca, 40 años inmersos en el pasado

Author: Eudald Carbonell

Organizer: Pamplona Planetario

City: Pamplona

Date: 18/10/2018

Què ens fa ser Sapiens? (Debat a tres bandes)

Authors: Jordi Serrallonga, Damià Heine, Marina Lozano

Organizer: UOC

City: Palma de Mallorca

Date: 20/10/2018

Las herramientas en la evolución humana. La próxima palanca: Inteligencia Artificial

Author: Eudald Carbonell

Organizer: Instituto de Ingeniería de España

City: Madrid

Date: 25/10/2018



2018

Integrative geoarchaeological approaches to the investigation of Mesolithic campsites in SE Iberia

Author: Ana Polo

Organizer: AMBI LAB-Archaeological, Micromorphology and Biomarkers Laboratory. University of La Laguna

City: La Laguna, Tenerife

Date: 11/2018

International

Neanderthal firewood uses at Abric Romaní rock-shelter (40-60 kyr BP) and other stories on wood charcoal re-mains

Author: Ethel Allué

Organizer: Lunchs in de Lab. Institute of Archaeology

City: London, UK

Date: 08/02/2018

What did the Neanderthals eat? Two Middle Palaeolithic sites in Spain: Pinilla del Valle (Madrid) and El Sidrón (Piloña, Asturias)

Author: Rosa Huguet

Organizer: University of Reading

City: Reading, UK

Date: 05/03/2018

Subsistence strategies of the first human settlements in Southern Europe: Atapuerca sites

Author: Rosa Huguet

Organizer: University of Reading

City: Reading, UK

Date: 21/05/2018

A 6 months' challenge on tropical wood charcoal. The preliminary anthracological results from historical sites in Sri Lanka

Author: Ethel Allué

Organizer: Dorian Q. Fuller. IOA UCL

City: London, UK

Date: 19/06/2018



Ethel Allué with Prof. Dorian Q. Fuller during an oral presentation about results obtained from sites in Sri Lanka



Aïn Beni Mathar- Guefaït Basin (Eastern Morocco): A Travel to North African Pleistocene

Author: M. Gema Chacón

Organizer: Faculty of Arts. Department of Anthropology and Archaeology

City: Calgary, Canada

Date: 25/06/2018

Preliminary anthracological results from historical sites in Sri Lanka

Author: Ethel Allué

Organizer: Environmental Archaeology Master Coordinator Michele Wolstonecroft

City: London, UK

Date: 26/06/2018

Ongoing Research on the Paleobiology and Taphonomy of the Middle Paleolithic Neandertals from Ciemna Cave, Southern Poland.

Author: John C Willman

Organizer: Paweł Valde-Nowak (Institute of Archeology, Jagiellonian University)

City: Kraków, Poland

Date: 16/11/2018



Outreach publications

- ❖ Carbonell, E. Elogio del futuro. Arpa editorial.
- ❖ Gràcias, O., Rodríguez, X.P., Rosell, J. La gran migració, com els 'Sapiens' vam colonitzar el món. *Sapiens*, 201.
- ❖ López-Polín, L. 2018 La conservación y restauración en Atapuerca. *Periódico de Atapuerca*, 84 (july 2018).
- ❖ Martínez-Navarro, B. & Sala, R. (eds.) *ORCE: Homínidos, hienas, mamuts y otras bestias*. Consejería de Cultura de la Junta de Andalucía y Fundación Caja Rural de Granada
- ❖ Ollé, A., 2018. Burgos, arqueología de siembra. *Periódico de Atapuerca* 80 (March 2018), pág. 2.
- ❖ Ollé, A. 2018. Campamentos en TD10.1. *Periódico de Atapuerca* 84 (July 2018), pág. 36.
- ❖ Vaquero, M. 2018. Neandertales y humanos modernos en la Península Ibérica: encuentros y desencuentros. *Investigación y ciencia*, 505: 40-47.



Science Education. No formal education

Programme: **IPHES a les escoles**
 Organizer: IPHES & FECYT (FCT-16-11167)

Educational center: Escola Salicrú
 Degree: 5th primary school
 Location: Calella (Barcelona)
 Date: 22/01/2018

Educational center: Escola Minerva
 Degree: 5th primary school
 Location: Calella (Barcelona)
 Date: 23/01/2018

Educational center: Escola Freta
 Degree: 5th primary school
 Location: Calella (Barcelona)
 Date: 24/01/2018

Educational center: Escola Pía
 Degree: 5th primary school
 Location: Calella (Barcelona)
 Date: 25/01/2018



Miquel Guardiola in a Primary School inside the IPHES a les escoles programme

Educational center: Escola La Canonja
 Degree: 5th primary school
 Location: La Canonja (Tarragona)
 Dates: 18/01/2018; 07/11/2018

Educational center: IES Collblanc
 Degree: ESO
 Location: La Canonja (Tarragona)
 Dates: 05/11/2018; 06/11/2018



2018

Educational center: Escola Àngel Guimerà
Degree: 5th primary school
Location: El Vendrell (Tarragona)
Date: 06/02/2018

Educational center: Escola Martí Poch
Degree: 5th primary school
Location: L'Espluga de Francolí (Tarragona)
Date: 12/02/2018

Programme: **IPHES a les escoles**
Organizer: IPHES & FECYT (FCT-17-12079)

Educational center: Escola Mediterrani
Degree: Primary school
Location: El Vendrell (Tarragona)
Date: 12/11/2018

Educational center: Escola Mediterrani
Degree: 2nd primary school
Location: El Vendrell (Tarragona)
Date: 13/12/2018

Educational center: Escola Mediterrani
Degree: Primary school
Location: El Vendrell (Tarragona)
Date: 18/12/2018

Educational center: Escola Canaleta
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 12/12/2018

Educational center: Escola Canaleta
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 21/12/2018

Educational center: Escola Canaleta
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 22/12/2018

Educational center: Escola Àngel Guimerà
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 25/10/2018

Educational center: Escola Àngel Guimerà
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 15/11/2018



Programme: **IPHES a les escoles**
Organizer: IPHES & FECYT (FCT-17-12079)

Educational center: CRAE Llar Francolí
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 06/11/2018

Educational center: CRAE Llar Francolí
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 12/11/2018

Educational center: CRAE CODINA
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 28/11/2018

Educational center: CRAE CODINA
Degree: Primary school
Location: Vila-seca (Tarragona)
Date: 12/11/2018



Miquel Guardiola in a Primary School inside the IPHES a les escoles programme

Programme: **IPHES a les escoles**
Organizer: IPHES

Educational center: Institut d'Ensenyament Secundari Tarragona
Degree: ESO
Location: Tarragona
Date: 05/03/2018



2018

Educational center: Institut de Tremp
Degree: ESO
Location: Tremp (Lleida)
Date: 05/03/2018

Educational center: Escola Pública els Raiers
City: La Pobla de Segur (Lleida)
Date: 15/09/2018

Programme: **Les escoles a l'IPHES**
Organizer: IPHES

Educational center: Institut Gaudí
Degree: ESO
Location: Reus
Date: 08/02/2018

Educational center: Institut Compte de Rius
Degree: ESO
Location: Tarragona
Date: 10/04/2018

Educational center: Institut Beremguer d'Entença
Degree: ESO
Location: Hospitalet de l'Infant
Date: 19/04/2018



Students from Les escoles a l'IPHES programme visiting at Conservation and Restoration lab



Exhibitions

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i rieres del Camp de Tarragona.

Organizer: IPHES

Location: Vandellós (Tarragona)

Dates: 28/04/2018 to 28/05/2018



Didactic panel of Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i rieres del Camp de Tarragona.

Neanderlife. Moments de la Vida Neandertal/ Momentos de la Vida Neandertal

Organizers: IPHES, UAM, UdG, MINECO

Location: Vandellós

Dates: 28/04/2018 to 28/05/2018

Location: Museu Salvador Vilaseca (Reus)

Dates: 05/11/2018 to 22/12/2018

Europa ara fa 1 milió d'anys

Organizers: IPHES & Diputació de Tarragona

Location: Santa Oliva (Tarragona)

Dates: 15/01/2018 to 31/01/2018

Location: Santa Coloma de Queralt (Tarragona)

Dates: 05/02/2018 to 02/03/2018



2018

Location: La Selva del Camp (Tarragona)
Dates: 01/09/2018 to 24/09/2018

Location: El Pla de Santa Maria (Tarragona)
Dates: 05/12/2018 to 07/01/2019

Darwin i l'evolució

Organizers: IPHES & Diputació de Tarragona

Location: Moià (Barcelona)
Dates: 10/04/2018 to 10/06/2018

Location: Riudecols (Tarragona)
Dates: 01/10/2018 to 26/10/2018



Didactic panel of Darwin i l'evolució

The chinese whispers chain of the Marie-Curie fellows

Organizers: European Researcher's Night – University of Bristol (UK)

Location: Bristol (UK)

Dates: 28/09/2018



Participatory activities

Taller. Peixos i pans: experimentant amb els orígens de la cuina mediterrània

Organizer: IPHES/Ajuntament de Cambrils/Campus Extens URV

Location: Torre del Port (Cambrils)

Date: 18/02/2018

Taller-demostració. Homes i pedres: les eines a la prehistòria

Organizer: URV

Location: Campus Terres de l'Ebre-Tortosa

Date: 15/02/2018

Taller. Missatges: expressió prehistòrica, romana i química

Organizer: Ajuntament de Tarragona/IPHES/ICAC/ICIQ

Location: Jardins del Banc d'Espanya-Tarragona

Date: 23/04/2018



Poster of the workshop Missatges: expressió prehistòrica, romana i química

1era Jornada sobre els caçadors recol·lectors de les Muntanyes de Prades

Organizer: IPHES/Ajuntament de Montral

Location: Camp de Futbol (Mont-ral)

Date: 10/06/2018

Researchers' Night. La recerca, patrimoni de tothom.

Organizer: URV/IPHES/ICAC/ICIQ/IISPV

Location: Plaça Corsini-Tarragona

Date: 28/06/2018

Taller-demostració. Infants i pedres

Organizer: Campus extens. URV

Location: La Pobla de Mafumet-Tarragona

Date: 23/07/2018



2018

Taller-demostració. Humans i pedres

Organizer: Diputació de Tarragona/Ajuntament de la Selva del Camp

Location: La Selva del Camp

Date: 10/11/2018

Taller-demostració. Humans i pedres

Organizer: Ajuntament de la Canonja

Location: Mas de l'Abeurador-La Canonja

Date: 10/11/2018

Bibliolab. Els Primers Pagesos

Organizer: Xarxa de Biblioteques Municipals de la Diputació de Barcelona

Location: Biblioteca de Moià (Barcelona)

Date: 18/01/2018

Location: Biblioteca Mercè Rodoreda de Sant Joan Despí (Barcelona)

Date: 13/02/2018

Location: Biblioteca de Viladecans (Barcelona)

Date: 10/03/2018

Location: Biblioteca Municipal Ernest Lluch de Vilassar de Mar (Barcelona)

Date: 05/05/2018

Location: Biblioteca Pública de Cabrils (Barcelona)

Date: 11/10/2018

Location: Biblioteca de Sant Sadurní d'Anoia (Barcelona)

Date: 22/10/2018

Location: Biblioteca de Llinars del Vallès (Barcelona)

Date: 09/11/2018

Location: Biblioteca Maria Aurèlia Campany de Sant Boi de Llobregat (Barcelona)

Date: 09/11/2018

Programme: **Bibliolab. Un Viatge de Milions d'Anys**

Organizer: Xarxa de Biblioteques Municipals de la Diputació de Barcelona

Location: Biblioteca de Tordera (Barcelona)

Date: 26/01/2018

Location: Biblioteca Volpelleres de Sant Cugat del Vallès (Barcelona)

Date: 03/03/2018

Location: Biblioteca Sant Ildelfons de Cornellà (Barcelona)

Date: 16/04/2018

Location: Biblioteca Josep Pla de Sant Pere de Ribes (Barcelona)

Date: 18/04/2018





Posters of Bibliolabs programs

Location: Biblioteca de Martorell (Barcelona)

Date: 16/05/2018

Location: Biblioteca Josep Janés de Hospitalet de Llobregat (Barcelona)

Date: 24/10/2018

Location: Biblioteca de Pallejà (Barcelona)

Date: 14/11/2018

Arqueologia i Evolució Humana

Organizer: Fundació Catalana per a la Recerca i la Innovació (FCRI). “Dia de la Ciència a les Escoles 2018 – La ciència en primera persona”. 23a Setmana de la Ciència.

City: Balaguer

Date: 07/11/2018

II Campus Internacional de Arqueología Bedmar Prehistórico.

Institution: Fundación Instituto de Investigación en Prehistoria y Evolución Humana (FIPEH)/ Universidad Internacional de Andalucía.

Location: Bedmar, Jaén

Dates: 06/07/2018 to 03/08/2018



Didactic materials and contents

Archeoclips. T'expliquem l'arqueologia.

Type: Video

Funder: SUMA

L'Abric Romaní fa 60.000 anys. Una expedició de caça. L'Abric Romaní fa 40.000 anys. Un campament residencial

Type: Didactic panels (12 illustrations /còmics). Illustrator Hugo Prades

Funder: Generalitat de Catalunya. Departament de Cultura.

Quadre cronostratigràfic, litoestratigràfic i paleoclimàtic de la successió sedimentària de l'Abric Romaní

Type: Didactic panel

Funder: Departament de cultura. Generalitat de Catalunya.

Investigaciones arqueológicas en la provincia de Burgos 2017

Type: Didactic panels: Atapuerca-Galería, Atapuerca-Cueva Fantasma, Atapuerca-Gran Dolina, Atapuerca-Elefante

Funder: Junta de Castilla y León and Diputación Provincial de Brugos.

Espai AQUAE

Type: Museum

Funder: Ajuntament de Caldes de Malavella

Molds and replicas for didactic material

Type: Museum exhibition

Funder: Museu d'Alcover

Venta Micena

Type: Didactic panel

Funder: Consejería de Cultura de la Junta de Andalucía/ IPHES

Mémoires de mammoths

Type: Contribution to the catalogue for the exhibition

Funder: Musée National de Préhistoire (France)

<https://posterexhibition.wordpress.com/>

This blog is a virtual presentation of the posters presented at conferences by IPHES researchers or students. This blog aims to present a summary of the posters with the aim to share with a wider audience. The posters include a wide range of themes regarding Human Evolution, Prehistory, and its different methodological and theoretical approaches.

<http://paleodem.eu/>

Webpage of the ERC project: PALEODEM

<https://johncwillman.weebly.com/>

John Willman research website



Science communication

Objectives

The main objectives of IPHES for 2018 were:

- To strengthen a custom programme for **research projects**, replant some strategy, contents and mass media channels according to their objectives.
- To promote the **internationalization** about IPHES: arrive at more foreign public and mass media.
- To search some allied to improve our **operational qualification**: contact with UPF, Associació Catalana de Comunicació Científica (ACCC).
- To **increase the news** with storytelling and engagement.

Results

Results obtained in 2018, according with the aims proposed:

- The **work for projects** was strengthened: customized communication plans and prioritize the news.
- We tried to **optimize** and rationalization **effort and efficiency** about the different actions and the potential public.
- **Internationalization**: 33.500 visits at English blog, mailing expansion and systematization. Origen: Italy, EEUU, Chine, Japan, Australy, Vietnam, Iran, New Zeland, Canada, Iran México. Germany, Filipinas.
- **Social Networks**: a lot of mentions and interactions in Twitter.

Mass Media

Television

TV3 - Televisió de Catalunya , Canal 33, 324, TVE, Antena 3, TAC 12, Canal Reus TV, 8 al dia, La Sexta; BurgosTV.

Radio

Catalunya Ràdio, RAC 1, la Xarxa, Radio Intereconomia, Cadena COPE, Tarragona Ràdio, RAC 1, Cadena Ser, Onda Cero, Radio Nacional de España, Ser Girona, Ràdio Ciutat de Tarragona, RTVE.

News in national newspapers

El Mundo, Huffington Post, ciencia.com, Vilaweb, , Ara, Punt Avui, la Vanguardia, Regió 7, Nació digital, Diari de Girona, el Periodico, Més Tarragona, Ara, Diari de Tarragona, La Verdad, Diario de Pontevedra, El Comercio digital, El Economista, El Punt Avui, El Periódico, El País, NCYT, La Razón, Ideal Digital, elCorreo.com, Diario Sur, La Voz de Asturias, Diario de León, Diario Córdoba, El Impartical, La Voz de Galicia, Heraldo de Aragón, Las Provincias, Diario de Ibiza, Soria noticias, El Progreso, Levante, La Provincia, Faro de Vigo, Hoy Digital, La Rioja, Diario Palentino,



ABC, El Diario Montañés, Mediterráneo, El Norte de Castilla, Diario de Burgos, Diario de Burgos, La Opinión de Murcia, etc.



INVESTIGACIÓN

Imagen de archivo del Campus Cataluña de la URV en la ciudad de Tarragona. ACN

Cerca de 500 investigadores del IPHES y la URV han trabajado en Atapuerca en 40 años

En el mismo periodo, investigadores del equipo tarraconense han participado en 250 artículos de impacto científico

Comentarios

EFE
Actualizada 24/06/2019 a las 11:46

News about IPHES at regional newspaper Diari Més Digital

News in international newspapers

Herald Tribune, BBCnews, The Times, TV5MONDE, La Capital de Rosario, news4europe, Unión Radio, El Siglo de Durango, Breaking news, Aurora Israel, Daily Herald, Diario Libre, NewsBeeze, Notimérica.com, Clarin.com, Diario Granma, Iran Daily, Diariodom.com, Diario Antillano, Panma on, NBCNews.com, Science Magazine, CNN Philippines, National Geographic Australia, The Japan Times, Free Malaysia Today, New Scientist, Discover Magazine, Eurasia Review, SinEmbargo Mexico, El Espectador, Viet Bao Viet Nam.

News agency

SINC, EFE, Efe Futuro, ACN, Europa PRESS, *Alpha Galileo*.

Revues

Sapiens, National Geographic, 20 minutos...



Press releases

160 in English, Catalan and Spanish.

News published in the Mass Media

In 2018, 4.000 news were published in the Mass Media for the dissemination of IPHES activities.

Strategic Alliances and Collaborations with the Media

Report about IPHES on different television channels (TV3, Punt Avui Televisió).

Broadcast "**Evoluciona**", Tarragona Ràdio, every 15 days.

RNE – Interviews with researchers for projects they do. Once a month, more or less.

Sapiens magazine – The experts' opinion. Every six weeks, more or less, an IPHES researcher complement the human evolution's current news with a small text.

National Geographic – Opinion about archeological news.

ACN - Opinion about archeological news.

The screenshot shows the website for Tarragona Ràdio 96.7. The top navigation bar includes 'NOTÍCIES', 'PROGRAMES', 'GRAELLA', and 'EMMCT'. Below this, there's a banner for 'El Matí de Tarragona Ràdio' with a play button icon and a 'Podcast' button. The main content area displays four articles related to evolution, each with a photo and a red speaker icon. A sidebar on the right lists various programs, with 'Evoluciona' highlighted in red.

"Evoluciona" Broadcast. <https://www.tarragonaradio.cat/seccions/el-mati-de-tarragona-radio/evolucion-a-1/819>



Own Communication Channels

Blogs

News in English <https://iphesnews.wordpress.com/>

33.500 accumulated views from countries such as United States, Germany, France, United Kingdom, Italy, Israel, Canada, Netherland, India, Brazil and Portugal.

News in Catalan <http://iphes-noticies.blogspot.com.es/>

427.000 accumulated views from countries such as United States, Spain, Russia, Italy, Portugal France, Germany, Ireland, China, Poland, Portugal, Russia, and Ukraine.

News in Spanish <http://iphesnoticias.blogspot.com.es/>

Almost 190,000 accumulated views from countries such as United States, Spain, France, Germany, Israel, India, Benin, United Kingdom, Mexico, Argentina, Irlanda, Canadá.

Total: Almost 650.500 accumulated views.

Social networks

Facebook (IPHES page): 1,715 followers.

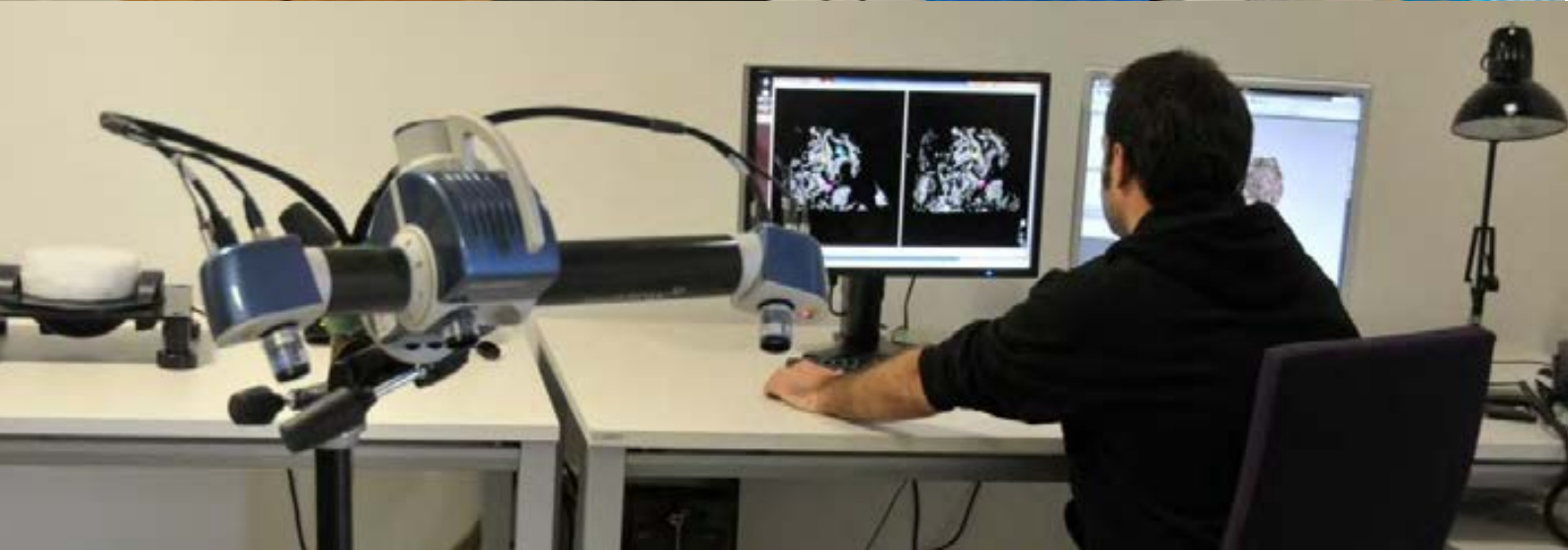
Twitter (@iphes): 3,917 followers.


Youtube (IPHES Comunicació): 39.250 reproductions and 190 subscribers.

The screenshot shows the IPHES website interface. At the top, there is a navigation bar with the text "IPHES - Institut Català de Paleoecologia Humana i Evolució Social" and a search box. Below the navigation bar, there are several menu options: "Classic", "Flipcard", "Magazine", "Mosaic", "Sidebar", "Snapshot", and "Timeslide". The main content area features a large article titled "L'acreditació com a centre d'excel·lència a Catalunya, repte de l'IPHES pel 2019" with a date of FEB 20. The article text discusses the institute's strategic plan and its goal of achieving accreditation by CERCA in 2019. Below the main article, there is a grid of four smaller images with captions: "Estada de", "Col·laboració IPHES i", "L'IPHES, al TOP 100", and "Concurs per a la".

IPHES activities blog (catalan). <http://iphes-noticies.blogspot.com/>





 Knowledge transfer & services



R+D+I Projects

Tarragona Smart Mediterranean City.

Category: Scientific assessment

Implicated institutions: Ajuntament de Tarragona, URV, Repsol and AGBAR

Agreements and not competitive contracts

Agreement of collaboration between Università di Ferrara and IPHES.

Main agreement: Erasmus Traineeship training at IPHES. 1 PhD student.

Date: January

Agreement of collaboration between Escola de Disseny i Art and IPHES.

Main agreement: Curricular practical training at IPHES. 1 design student.

Date: January

Agreement of collaboration between Universitat Rovira i Virgili and IPHES.

Main agreement: Curricular practical training at IPHES. 1 ADE student.

Date: February

Agreement of collaboration between Institut Francesc Vidal i Barraquer and IPHES.

Main agreement: Curricular practical training at IPHES. 1 student.

Date: January

Agreement of collaboration between Diputació de Tarragona and IPHES.

Main agreement: Financial contribution to the fieldwork at Barranc de la Boella archaeological site.

Date: February

Agreement of collaboration between Institut Francesc Vidal i Barraquer and IPHES.

Main agreement: Curricular practical training at IPHES. 1 student.

Date: February

Agreement of collaboration between Institut Francesc Vidal i Barraquer and IPHES.

Main agreement: Curricular practical training at IPHES. 1 student.

Date: February

Decree from de Mayor's office of Vimbodí.

Main agreement: Financial contribution to the fieldwork at Molí del Salt archaeological site.

Date: March

Agreement of collaboration between Institut Francesc Vidal i Barraquer and IPHES.

Main agreement: Curricular practical training at IPHES. 1 student.

Date: March

Framework Agreement of collaboration between Ajuntament de Sant Martí de Tous and IPHES.

Main agreement: The strengthening of research and dissemination actions related to prehistory and human evolution and the enhancement of cultural heritage of la Guinardera archaeological site.

Date: March



Specific collaboration agreement between Ajuntament de Montblanc and IPHES.

Main agreement: Financial contribution to Cantacorbs and Sepulcre de Mas d'en Llorc archaeological sites.

Date: April

Agreement of collaboration between URV, UB, UAM, UBU and IPHES.

Main agreement: Development of the scientific education FECYT project: "Indagación en educación infantil (3-6 años): actividades de aula para el fomento del razonamiento científico, incluyendo colectivos en riesgo de exclusión social."

Date: April

Resolution of the Presidency of Consejo Superior de Investigaciones Científicas (CSIC).

Resolution: Renewal of the condition of "Unidad Asociada de I+D+I al CSIC" al "Grupo de Paleoecología de la Evolución Humana" del IPHES, through the "Museo Nacional de Ciencias Naturales del CSIC".

Date: April

Agreement between Diputació de Tarragona and IPHES

Main agreement: Acceptance agreement for the grant contained in the proposal for the definitive resolution granting "PECT Turística en família" and approval of the agreement

Date: April

Specific collaboration agreement between Ajuntament de la Febró and IPHES.

Main agreement: Financial contribution to the fieldwork at Cova de les Borres archaeological site

Date: April

Agreement of collaboration between Universitat Rovira i Virgili and IPHES

Main agreement: Curricular practical training at IPHES. 1 student

Date: April

Minor contract with Diputació de Barcelona

Main agreement: Bibliolab project

Date: June

Specific collaboration agreement between Ajuntament de la Canonja and IPHES

Main agreement: Financial contribution to the fieldwork at Barranc de la Boella archaeological site

Date: June

Specific collaboration agreement between Ajuntament de Sant Martí de Tous and IPHES

Main agreement: Financial contribution to the fieldwork at la Guinardera archaeological site

Date: July

Agreement of collaboration between Ayuntamiento de Villena and IPHES

Main agreement: Cession of Arenal de la Virgen archeological remains

Date: August

Framework Agreement of collaboration between Università di Palermo and IPHES

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: September

Agreement of collaboration between Universitat Rovira i Virgili and IPHES

Main agreement: Curricular practical training at IPHES. 1 ADE student



Date: September

Agreement of collaboration between University of Cincinnati and IPHES

Main agreement: Contribution to the ERC PALEODEM project

Date: October

Agreement of collaboration between Palarq Foundation and IPHES

Main agreement: Funding support to the project "Evolución del poblamiento humano durante el cuaternario en Marruecos Oriental:Aïn Béni Mathar-Guéfaït (provincia de Jerada)"

Date: November

Agreement of collaboration between Universitat Rovira i Virgili Foundation and IPHES.

Main agreement: Development of studies of evaluation of mechanical properties of archaeopaleontological materials

Date: November

Agreement of collaboration between Lynx S.A and IPHES.

Main agreement: Edition of the book "Primates"

Date: November

Framework Agreement of collaboration between Fundación Instituto de Investigación en Prehistoria and IPHES

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: November



Scientific assessment

Pla director del jaciment arqueològic del Barranc de la Boella (La Canonja).

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de la Canonja

Participation: Coordination

Pla director del jaciment arqueopaleontològic del Camp dels Ninots (Caldes de Malavella).

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de Caldes de Malavella

Participation: Coordination

Projecte Museogràfic Executiu de l'espai AQUAE

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de Caldes de Malavella.

Participation: Scientific advisor



Executive museographic project of the AQUAE space - IPHES

Treballs preliminars d'assessorament a l'Ajuntament de Vilafamés (Castelló de la Plana) per a la creació d'un centre d'interpretació arqueològica.

Category: Project design and scientific contents.

Partner: Ajuntament de Vilafamés (Castelló de la Plana).

Participation: Shared coordination

Renovació museogràfica de l'espai Hominins. Sala de l'Univers, Secció Evolució. Cosmocaixa.

Category: Scientific assessment and contents

Partner: Obra Social "La Caixa"

Participation: Scientific advisor

Realització de quatre escenografies que acompanyaran les espècies *Australopithecus*, *Homo erectus*, *Homo habilis* i *Homo neandertalensis*. Sala de l'Univers, Secció Evolució. Cosmocaixa.

Category: Scientific assessment and contents

Partner: Mediaproducció SLU

Participation: Scientific advisor



Posada en valor de les instal·lacions de l'antic Banc d'Espanya.

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de Tarragona, ICIQ, URV, IISPV & ICAC

Participation: Scientific assessment

Taula de recerca científica i didàctica de les Ciències de la terra per la constitució del Geoparc Conca de Tremp-Montsec, Pallars Jussà (Lleida).

Category: Scientific contents

Participation: Consultant

Pla director pel programa de recerca històric i arqueològic del terme de la Febró.

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de la Febró

Participation: Coordination

Scientific and technical training

- Scientific training of **2 students** in voluntary practices (1st course of Grau en Història-URV).
- Traineeships of **1 student** (4 course of Antropologia (Cultural I Evolució Humana URV-UOC)
- Scientific assesment of the final research projects of **4 students** (Grau d'Antropologia i Evolució Humana, UOC-URV)
- Scientific training on Thesis of Master of **5 students** (Master's Degree in Quaternary Archaeology and Human Evolution, *Erasmus Mundus*, URV)
- Scientific training of **5 PhD students** during their mobility stage at IPHES/URV from the International Master in Quaternary and Prehistory.
- Scientific training of **13 PhD students** (URV; Universidad de Burgos; Universidad Complutense de Madrid; Universidad Autònoma de Barcelona: Universitat de les Illes Balears)
- Scientific training of **1 student** on placements (Escola d'Art i Disseny de Tarragona).
- Scientific training of 1 predoctoral researcher (predoctoral fellow Severo Ochoa at Universidad de Oviedo)
- Scientific coordination of **one student** on placements (European Traineeship)
- Scientific training on of **one PhD student** Erasmus Mundus Partnership on placements (Università degli Studi di Ferrara).
- Participation in tribunals of TFG (Grau Scientific assesment of the final research projects of **2 Secondary School students** (Treball de Recerca de 2n de Batxillerat).
- d'Antropologia i Evolució Humana, UOC-URV)
- Teaching of "Seminario sobre el estudio de los micromamíferos durante el Cuaternario: biocronología, biogeografía, paleoambiente y paleoclima" adress to students of the



Master's Degree in Quaternary Archaeology and Human Evolution, *Erasmus Mundus* (URV)

- Teaching of “Seminario of microscopic Analysis in Archaeology” adress to students of the Master's Degree in Quaternary Archaeology and Human Evolution, *Erasmus Mundus* (URV)
- Teaching of “Seminario of palaeoenvironmental reconstruction” adress to students of the Master's Degree in Quaternary Archaeology and Human Evolution, *Erasmus Mundus* (URV)
- Teaching of “Seminario sobre biocronologia y biozonas del Cuaternario a partir de las asociaciones de micromamíferos” adress to students of the Màster d'Estudis Avançats en Arqueologia (UB)
- Teaching of “Seminario sobre la Evolución de la mano y del pie en los primates y en los homínidos” adressed to students of the Master in Primatology (UdG)
- Teaching at International MSCA-IF Workshop: “success stories and tips from successful MSCA-IF Fellows” (URV)
- Teaching of “Seminar about evolutionary trends in Arvicolinae rodents during the Quaternary and its chronological and environmental implications” adress to students of the Mestrado em Paleontologia (Universidade Nova de Lisboa, Portugal)
- Teaching of “Seminar about earliest human occupation in Europe” organized by Museum National d'Histoire Naturelle de Paris, France
- Organisation of a scientific training session with the microscopic equipment Sensofar Neox (confo-cal, interferometry and focus variation technologies) at IPHES
- Scientific training on palynological data processing for the UCO Archeobotic (IPHES)
- Supervision on SOC technicians in Restoration, Collection, Archeobiology and Micropalontology
- Scientific training on Marie-Curie application of two applicants (CEREGE, ISTERre)



Instrumental and not instrumental services

Service: **Activitat familiar: "Peixos i pans: experimentant amb els orígens de la cuina mediterrània"**

Client: Ajuntament de Cambrils i Antena del Coneixement (URV)

Service: **Material didàctic per a tallers pedagògics del Triàsic**

Client: Museu Municipal d'Alcover



Replicas for pedagogical workshops at Alcover - IPHES

Service: **Realització dels continguts de base científica corresponents a la segona fase de l'itinerari interpretatiu del Jaciment del Camp dels Ninots.**

Client: Ajuntament de Caldes de Malavella

Service: **Preparació i realització d'activitat de divulgació científica al jardí del Banc d'Espanya de Tarragona en el marc de la diada de Sant Jordi.**

Client: Ajuntament de Tarragona

Service: **Realització d'anàlisis d'isòtops estables i de microdesgast dentari de mostres dentals d'ovelles procedents del jaciment de Mas Castellar de Pontós (Alt Empordà, Girona).**

Client: Agència Catalana del Patrimoni Cultural - Museu d'Arqueologia de Catalunya

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders". Museu de la Valltorta.**

Client: Ajuntament d'Atzaneta del Maestrat

Service: **Anàlisi faunística del conjunt de fauna de la Cala 2015 del sector oest del jaciment de Son Peretó (Manacor).**

Client: Ajuntament de Manacor-Museu de Manacor

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders".**

Client: IES Francesc Tàrrrega. Vila-real.



Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**.

Client: Escoleta Forcall. Forcall

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: IES Serra d'Espadà. Onda

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: IES F. Tàrraga

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**.

Client: IES Gençana. Godella.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders". Valltorta.**

Client: IES C. Aranda. Alberic.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders". Valltorta.**

Client: IES Àgora Lledó. Castelló de la Plana.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**.

Client: IES Matilde Salvador. Castelló de la Plana

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**.

Client: IES Gilabert. Nules

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**.

Client: IES Rafelbunyol. Morella la Vella

Service: **Anàlisi de pol·len de tres perfils del jaciment del Ramblar (Font de la Figuera, València).**

Client: Diputació de València - Museu de Prehistòria de València

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Dels neandertals als sapiens: tecnologia i simbolisme"**

Client: Organisme Municipal Autònom Fundació Castell de Calafell

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca de Tordera (Barcelona).**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca Volpelleres de Sant Cugat del Vallès (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca Sant Ildelfons de Cornellà (Barcelona).**

Client: Diputació de Barcelona



Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca Josep Pla de Sant Pere de Ribes (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca de Martorell (Barcelona).**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca Josep Janés de Hospitalet de Llobregat (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca de Pallegà (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca de Moià (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca Mercè Rodoreda de Sant Joan Despí (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca de Viladecans (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca Municipal Ernest Lluch de Vilassar de Mar (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca Pública de Cabrils (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca de Sant Sadurn d'Anoia (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca de Llinars del Vallès (Barcelona)**

Client: Diputació de Barcelona

Service: **Servei de realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Els primers pagesos". Biblioteca Maria Aurèlia Campany de Sant Boi de Llobregat (Barcelona)**

Client: Diputació de Barcelona

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Santa Oliva (Tarragona) 15/01/2018 to 31/01/2018**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Santa Coloma de Queralt (Tarragona) 05/02/2018 to 02/03/2018**

Client: Diputació de Tarragona.



2018

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a la Selva del Camp (Tarragona). 01/09/2018 to 24/09/2018**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" al Pla de Santa Maria (Tarragona).05/12/2018 to 07/01/2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Darwin i l'Evolució" a Riudecols. 01/10/18 to 26/10/18.**

Client: Diputació de Tarragona.



Scientific-technical reports

Informe zooarqueológico de los restos faunísticos de la Cala 2015 del sector oeste del yacimiento de Son Peretó (Manacor).

Type: Technician and Scientific content

Recipient: Ajuntament de Manacor

Memoria de los Materiales paleoantropológicos y arqueopaleontológicos procedentes del yacimiento de Cova Foradà (Oliva, Valencia) depositados en el IPHES. Inventarios y actuaciones de conservación y restauración realizadas entre 2017-2018.

Type: Scientific report.

Recipient: Diputació de Valencia/ Museu de Prehistòria de València

Estratigrafia i microfacies sedimentaries de les unitats litoestratigràfiques II-III-IV de la Balma de la Griera (Calafell, Baix Penedès). Mostreigs 2015 i 2016.

Type: Scientific-technical report

Recipient: Departament de cultura. Generalitat de Catalunya

Estudi de la distribució espacial del conjunt arqueològic Qa i una exploració del mètode dels anells i dels sectors en l'estructura de combustió S-U/51-54.

Recipient: Scientific report.

Recipient: Departament de cultura. Generalitat de Catalunya

Memòria de la documentació fotogramètrica del nivell arqueològic Qa. Síntesi de les campanyes 2015, 2016 i 2017.

Recipient: Scientific report.

Recipient: Departament de cultura. Generalitat de Catalunya

Informe campaña de muestreo para la microestratigrafía de la sección del pozo de la Cueva del Angel (Lucena, Córdoba)

Type: Scientific-technical report

Recipient: Fundación Instituto de Investigación de Prehistoria y Evolución Humana.

Excavation annual reports of the Cova dels Xaragalls 2017 (Vimbodí i Poblet, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of the Sierra de Atapuerca sites 2018 (Burgos, Spain)

Category: Report of archaeological season

Recipient: Junta de Castilla y León

Excavation report (Orce 2018). Management and contents of lithic analysis and surveying

Type: Scientific-technical report

Recipient: Junta de Andalucía, Spain

Excavation annual report of Abric de la Consagració 2016 (Capellades, Barcelona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of Molí del Salt 2018 (Vimbodí i Poblet, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.



Excavation annual preliminary report of the Cova de les Borres 2018 (La Febró, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual preliminary report of the Cantacorbs 2018 (Montblanc, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of El Cavet 2016 & 2017 (Cambrils, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of the Abric Romaní site 2016 (Capellades, Barcelona, Spain).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of Cova del Cudó 2016 & 2017 (Mont-ral, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of the Teixoneres site 2018 (Moià, Barcelona, Spain).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya

Excavation annual preliminary report of El Barranc de la Boella 2018 (la Canonja, Tarragona).

Category: Report of archaeological season

Recipient: Departament de Cultura. Generalitat de Catalunya.

Excavation annual report of the Barranc de la Boella (La Canonja, Tarragona, Spain).

Category: Scientific contents

Partner: Servei d'Arqueologia de la Generalitat de Catalunya. Departament de Cultura (Generalitat de Catalunya). Barcelona, Spain

Participation: Management and conte



Restoration lab tasks - IPHES

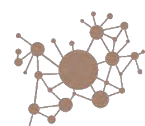
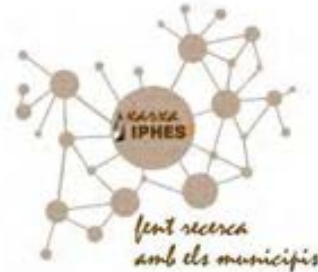


The basis of the research developed at IPHES is located in the archaeopalaeontological sites. Since its inception, this research center has considered the municipalities where these sites are located as true partners, indispensable actors in the valorization of the Archaeological Heritage. In the way we have created the Network of Municipalities IPHES (*Xarxa de Municipis IPHES*), a fabric committed with the territory, which has now been presented at headquarter of IPHES. In the course of the first act, 14 municipalities that collaborate with IPHES have received recognition from the hands of their representatives.

The recognized municipalities are localities which have been involved in the development of research and socialization activities, either by contributing logistically or economically to archaeological fieldwork, involving the creation of spaces for the interpretation and enhancement of archaeological sites, hosting exhibitions, etc., in order to bring about and participate in knowledge of Prehistory and Human Evolution to citizens from their own territory.

The 14 villages that received the recognition were: Caldes de Malavella, Cambrils, Capellades, el Catllar, l'Espluga de Francolí, la Canonja, la Febró, la Riba, Moià, Montblanc, Mont-Ral, Salou, Vimbodí and Poblet and Tarragona, the latter for the support of IPHES since its inception, and especially to facilitate the construction of the building at Tarragona city.

The recognized villages, as well the rest of municipalities at which IPHES has conducted scientific, academic or socialization activities were received at IPHES in this I meeting. After being received by the representatives of IPHES, the members of the different municipalities visited the installations, including a sample of the most representative archaeological collections deposited at IPHES. The act finalized with a shortbread with the IPHES team.





Palmira Saladié showing paleontological collection to the members of the different municipalities

In 2017 there were 40 villages in Catalonia which collaborated with the different activities that were carried out in the territory, some of which, apart from the town councils, are also carried out thanks to the support of the Generalitat of Catalonia, of the Diputació de Tarragona or the Diputació de Barcelona.

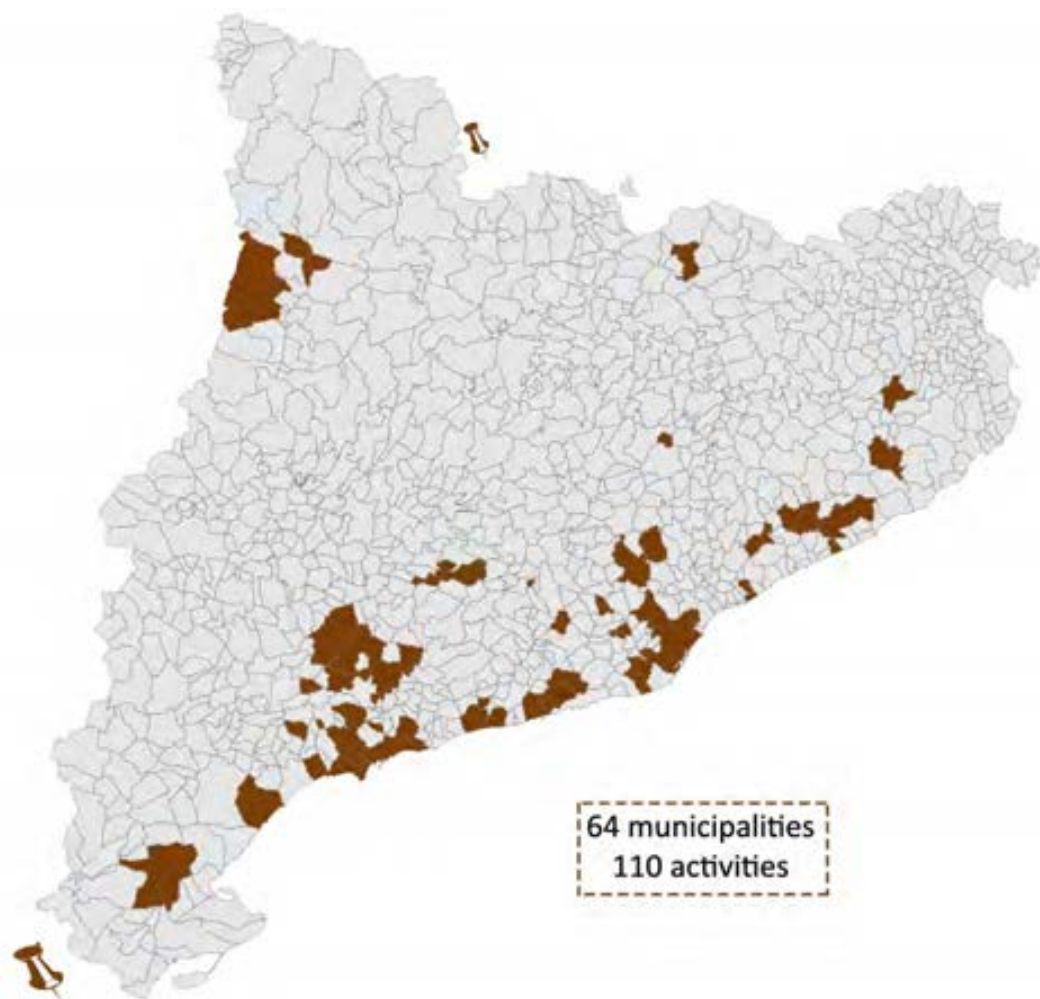
The main goal of the Network of Municipalities IPHES is to value the collaboration of the recognized villages with the research, academy and/or socialization activities of IPHES, which allow them to bring science closer to society. To meet this goal, IPHES has been dedicating to developing activities such as conferences, visits to the archaeological fieldworks, exhibitions, visits to schools, workshops in libraries and participation in fairs in several towns. It has been created accounts of the Network of Municipalities IPHES at Instagram and Facebook, with the aim of facilitating the diffusion of the activities of IPHES in the territory.



Members of the different municipalities in the Restoration lab with Gerard Campeny

In 2018 IPHES developed 110 different activities in 64 municipalities of the *Xarxa de Municipis IPHES*. This numbers represent an important increase respecting the activity of 2017, when IPHES developed 80 activities in 40 municipalities. In the following map and Table it is showed the list of municipalities where IPHES developed action on the territory during 2018.





Andorra la Vella	la Febró	Sant Martí de Tous
Banyoles	La pobla de Mafumet	Sant Pere de Ribes
Barcelona	la Riba	Sant Sadurní d'Anoia
Cabrils	la Selva del Camp	Santa Coloma de Gramanet
Calafell	Linars del Vallès	Santa Coloma de Queralt
Caldes de Malavella	Martorell	Santa Oliva
Calella	Maspujols	Sentarada
Cambrils	Moià	Tarragona
Capellades	Montblanc	Terrassa
Castellar del Vallès	Mont-ral	Tordera
Conca de Dalt	Morella la Vella	Tortosa
Cornellà	Onda	Tremp
el Catllar	Pallejà	Valls
el Milà	Reus	Valltorta
el Pla de Santa Maria	Ribes de Fresses	Vandellós i Hospitalet de l'Infant
el Vendrell	Riudecols	Viladecans
Forcall	Salou	Vilanova i la Gertrú
Girona	Sant Boi de Llobregat	Vila-real
Godella	Sant Celoni	Vila-seca
Hospitalet del Llobregat	Sant Cugat del Vallès	Vilassar de Mar
l'Epluga de Francolí	Sant Joan Despí	Vimbodí i Poblet
la Canonja		

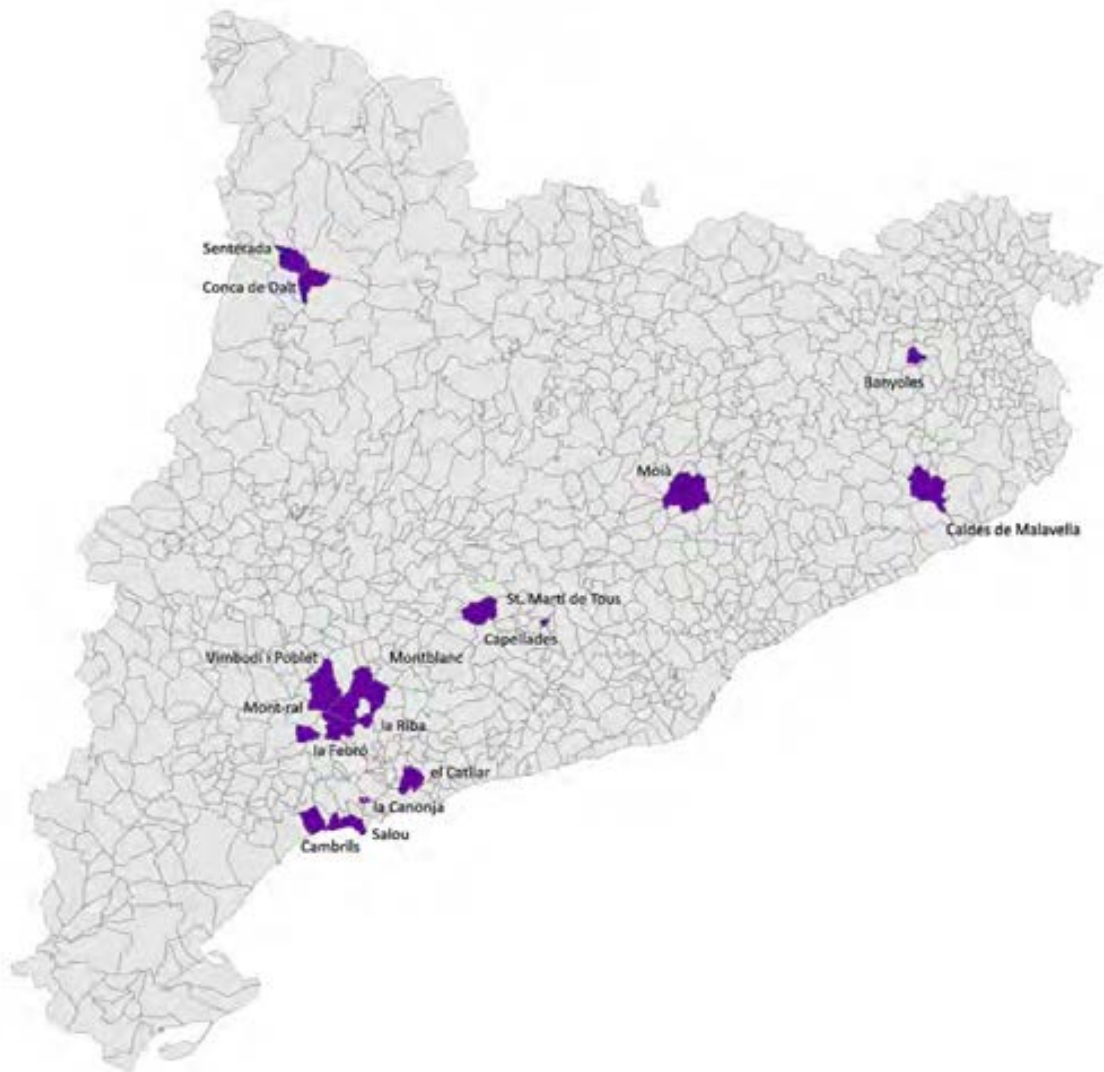
Municipalities in which IPHES developed action on the territory during 2018



Activity of *Xarxa de Municipis IPHES*

Fieldwork projects

Archaeological excavations represent one of the best examples of IPHES action on the territory that composes the Network of Municipalities IPHES, since fieldworks involve the transfer of part of the team to the different municipalities in which archaeological excavations takes part. In 2018, IPHES has participated in fieldworks on 16 municipalities, as reflected on the map.

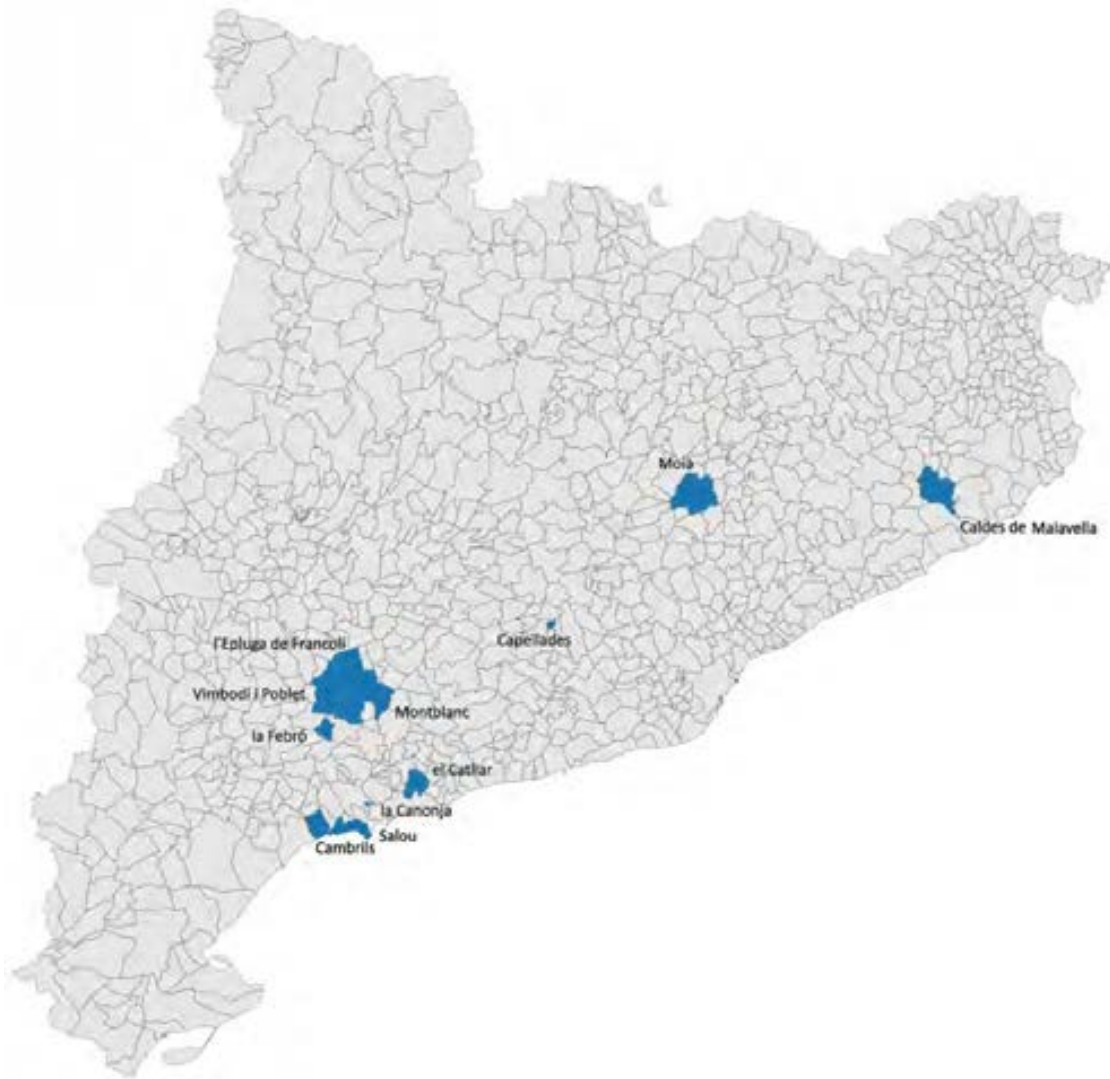


Municipalities in which IPHES developed fieldworks during 2018

Agreements

During 2018 IPHES has established agreements with 11 municipalities in Catalonia. These are mainly municipalities where IPHES conducts fieldwork projects, such as Caldes de Malavella (Camp dels Ninots), Moia (Coves del Toll and Teixoneres), Capellades (Abric Romaní) or La Canonja (Barranc de la Boella).



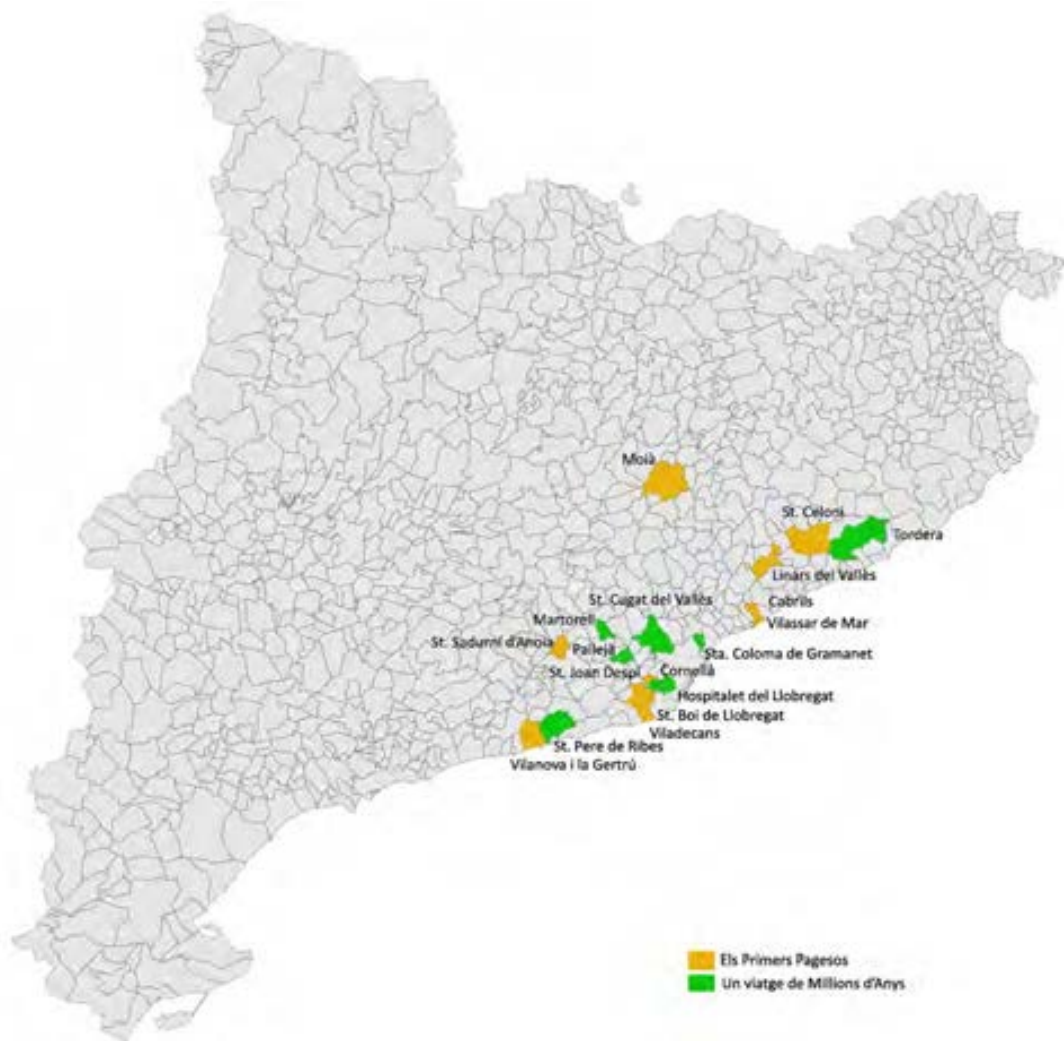


Municipalities with which IPHES has established agreements during 2018

Bibliolab

Within the *Bibliolab* project of the *Xarxa de Biblioteques Municipals de la Diputació de Barcelona*, IPHES has given 18 workshops in different municipalities of the province of Barcelona. These were two different workshops, *The First Farmers (Els Primers Pagesos)*, where it teaches how life was during the Neolithic period, and *A Millions of Years' Travel (Un Viatge de Millions d'Anys)*, dedicated to teaching basic concepts about Prehistory. On the map, it can see the municipalities where the workshops have been given, in yellow for *The First Farmers* workshop and in green for *A Million Years' Travel*.





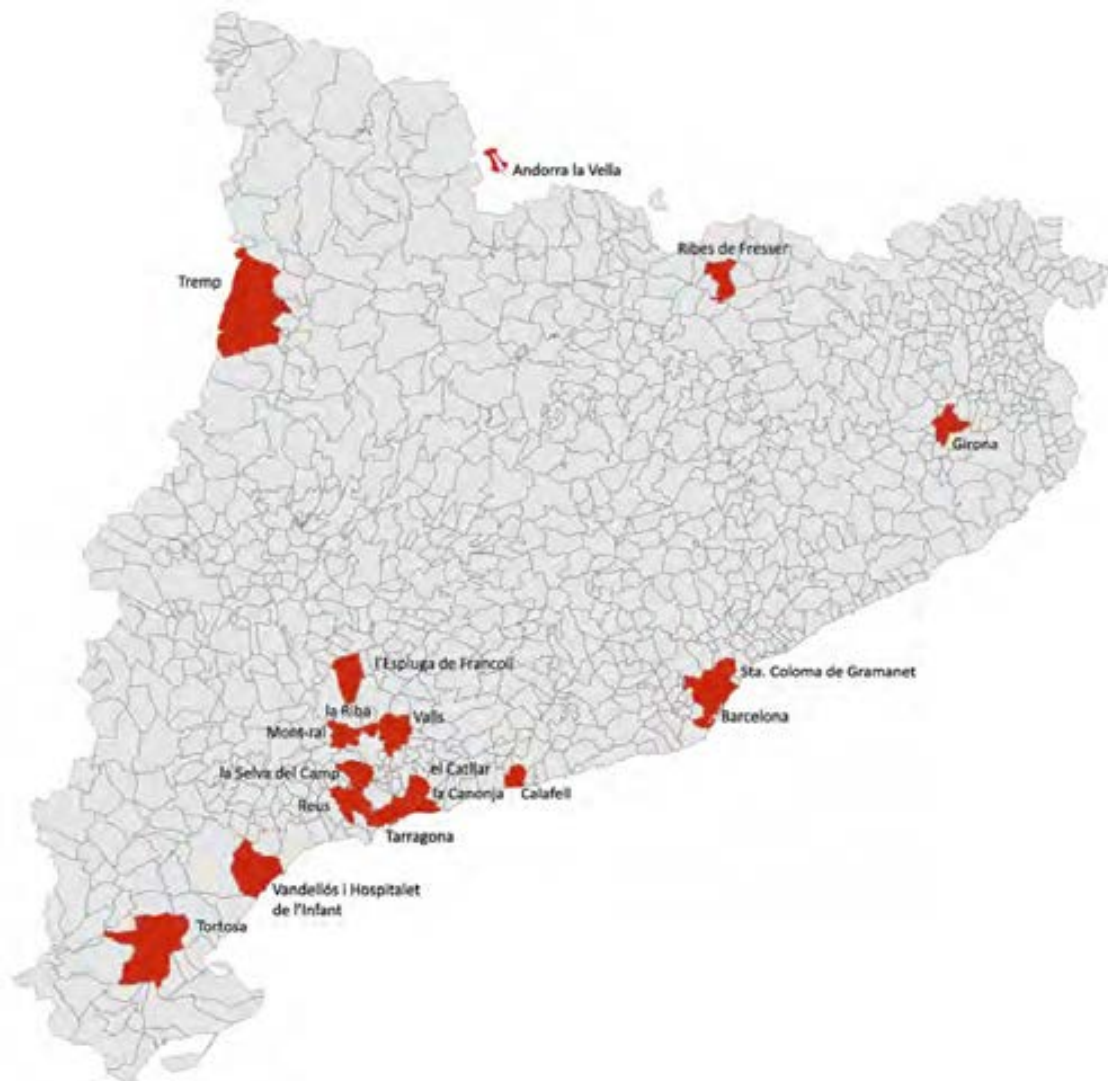
Municipalities in which IPHES has given workshops within the Bibliolab programme during 2018



Posters of some of the workshops within the Bibliolab programme

Conferences

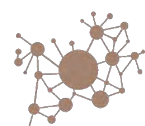
As part of the IPHES' action on the territory, conferences were held in 18 municipalities during 2018. These conferences are mainly concentrated in Tarragona province, although they have been held in all the provinces of Catalonia and even in Andorra la Vella.

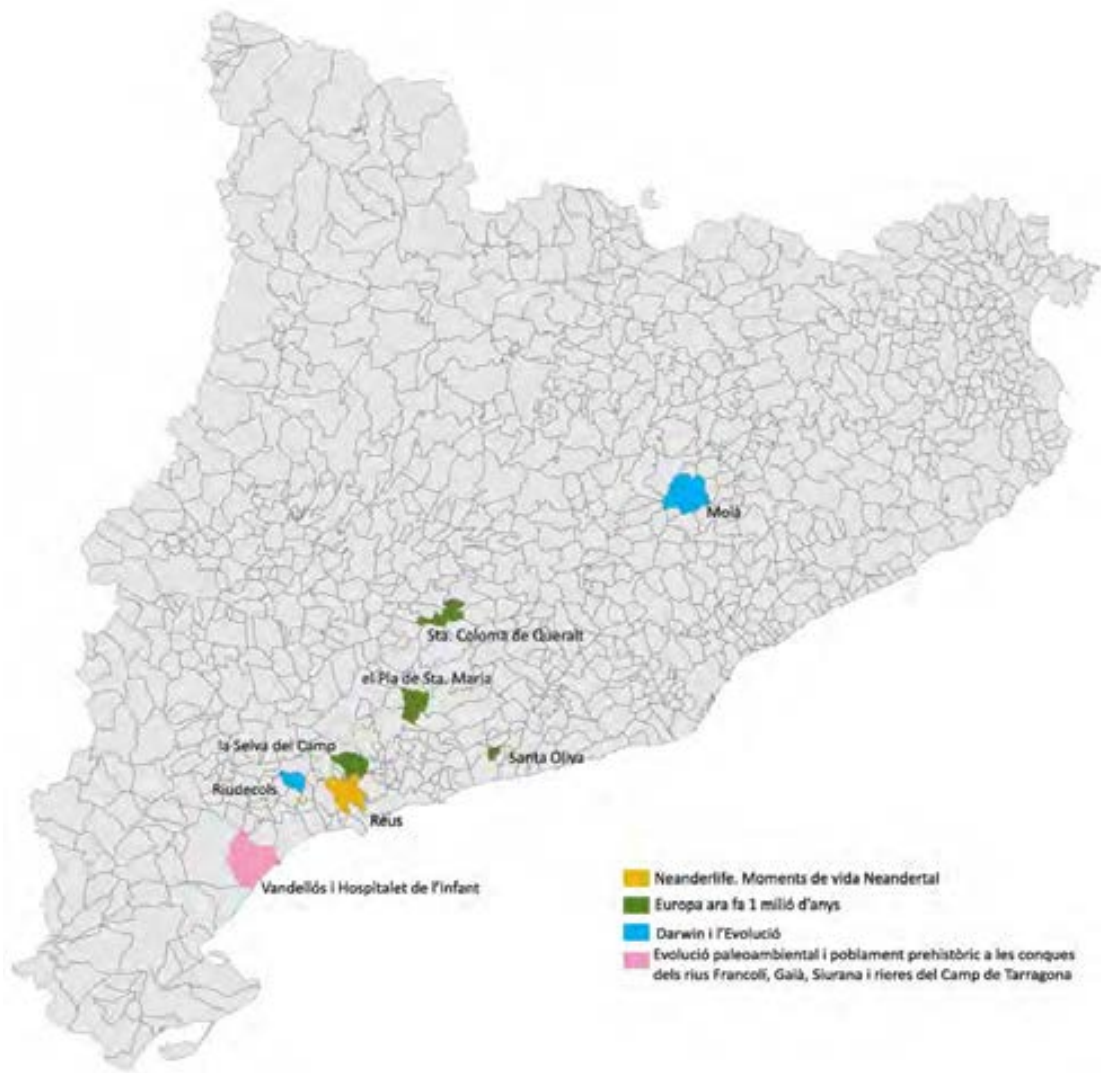


Municipalities in which IPHES has held conferences during 2018

Expositions

Exhibitions were held in 8 municipalities during 2018. In the map, it can see the different municipalities where exhibitions were exposed. *Europe one million year ago (Europa ara fa 1 millio d'anys)* visited 4 townships (in green in the map) and *Darwin and the Evolution (Darwin i l'Evolució)* was placed in two towns (in blue). In the map it is also showed *Neanderlife, moments of Neanderthal life (Neanderlife, moments de vida Neandertal)*, in yellow) and the exhibition about the palaeoenvironmental evolution of the Camp de Tarragona (*Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i les rieres del Camp de Tarragona*, in pink), that where exhibited in two different localities.





Municipalities in which IPHES has held expositions and exhibition during 2018

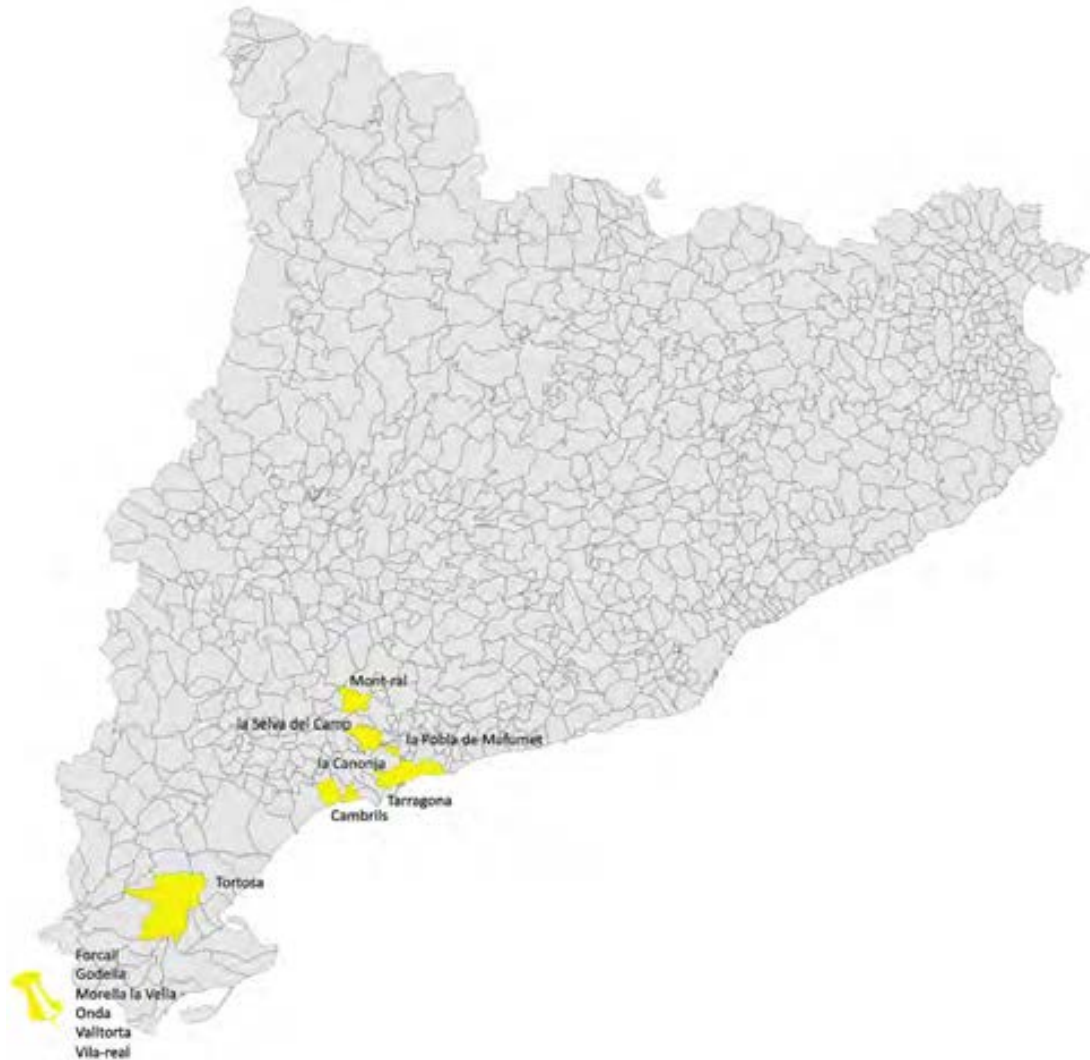


Posters of some exhibitions held by IPHES during 2018



Workshops

During 2018 IPHES has held workshops in 13 municipalities. These workshops focused on the experimental work and were related with important topics in Human Evolution as the stone tools, the life of hunters-gatherers, art or the Mediterranean cuisine.



Municipalities in which IPHES has held conferences during 2018

IPHES a les escoles

The *IPHES a les escoles* program supposes the approach of the knowledge of Prehistory and Archeology to the kids, through workshops that were made in several schools of the territory. During 2018 IPHES was developed this program in different centers of 21 municipalities of Catalonia, mainly in the provinces of Tarragona and Barcelona, but also in Lleida (Tremp) and Girona (Caldes de Malavella).





Municipalities in which the IPHES a les escoles program was developed



CENTRES DOCENTS

Facultat d'Enologia	N4
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Escola Tècnica Superior d'Enginyeria (ETSE)	E4
Escola Tècnica Superior d'Enginyeria Química (ETSEQ)	E4
Facultat de Ciències de l'Educació i Psicologia	W0

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ORAI

	E2
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Institut Català d'Investigació Química (ICIQ)	S3
Institut de Paleontologia Humana i Evolució Social (IPHES)	W3



IPHES^{RS}

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