

## **A short biography / curriculum vitae of the project applicant and a list of his relevant scientific and popular publications**

### **Biography**

Heriberto López Hernández

Graduated in Biology by the University of La Laguna in 2001, he is specialized on entomology and has a PhD in Biology by the University of La Laguna since December 2008 with the highest qualifications. Much of his research career has been dedicated to the study of various threatened invertebrates, particularly focusing on issues related to the distribution, threats and conservation status. However, the family Pamphagidae from the Canary Islands is the group that he has studied more deeply, making his doctoral thesis on "Considerations on systematics and ecology of Canarian pamphagid grasshoppers (Orthoptera; Pamphagidae)". Part of this thesis included the most comprehensive study to date on a Canary insect, namely the endangered species *Acrostira euphorbiae*, which unveiled various aspects of their biology, ecology, behaviour and phylogenetic relationships. He has belonged to the Department of Animal Biology, University of La Laguna since 2001, and currently he has a postdoctoral position at the Spanish National Research Council (IPNA-CSIC). He certifies 13 papers in impact journals (SCI), 16 in other journals, a book and 49 book chapters. His experience and knowledge on the family Pamphagidae will be essential to the development of this project.

David Hernández Teixidor

Graduated in Biology by the University of La Laguna in 2008. He is member of the Department of Animal Biology, University of La Laguna since 2006, participating in several research projects, one on the trophic preferences of endemic species of La Gomera *Acrostira bellamyi*. Currently he is finishing his doctoral thesis on the diet of Canarian Pamphagid grasshoppers, having a long experience in finding and growing specimens of *Acrostira*, as well as in the use of the proposed techniques to be performed in this project: microhistology of droppings, trophic preference experiments, etc.. He is the author of eight publications in books and scientific journals.

Pedro Oromí

Graduated in Biological Sciences by the University of Barcelona in 1970, and Doctor on Sciences (Biology) by the University of La Laguna in 1985. He is a member of the Department of Animal Biology since 1973, currently as Full Professor of Zoology and Coordinator of the research group "Systematics, biogeography and evolution of Canarian arthropods". He has specialized on the study of insects, particularly Coleoptera and Orthoptera, directing aspects of Systematics, Phylogeny, Ecology, Subterranean Biology, Biogeography and Conservation. He is author of 65 articles in journals of impact (SCI), along with 80 in other journals, 62 book chapters and 7 books on related topics. Among the 48 research projects that he has

participated (27 as responsible res.), four have been focused on the study of the ecology and conservation of Pamphagid grasshoppers from Canary Islands.

### Relevant scientific and popular publications

HERNÁNDEZ-TEIXIDOR, D., H. LÓPEZ, M. NOGALES, B.C. EMERSON, C. JUAN & P. OROMÍ (2014) Genetic, morphological, and dietary changes associated with novel habitat colonisation in the Canary Island endemic grasshopper *Acrostira bellamyi*. *Ecological Entomology*, yet online.

BIDEGARAY-BATISTA, L., S. TAITI, H. LÓPEZ, C. RIBERA & M.A. ARNEDO (2014) Endemism and evolution in the littoral woodlouse *Halophiloscia* Verhoeff, 1908 (Crustacea, Isopoda, Oniscidea) from the Canary Islands: Implications for conservation policies. *Insect Conservation and Diversity* (in press). DOI: 10.1111/icad.12079

LÓPEZ, H., R. GARCÍA & P. OROMÍ (2014) New species of soft-winged flower beetles of the genus *Ifnidius* Escalera, 1940 (Coleoptera, Malachiidae) from the Canary Islands. *African Entomology*, 22 (2) (in press).

RIJSDIJK K.F., T. HENGL, S. NORDER, R. OTTO, B.C. EMERSON, S.P. ÁVILA, H. LÓPEZ, E.E. VAN LOON, E. TJORVE & J.M. FERNÁNDEZ-PALACIOS (2014) Quantifying surface area changes of volcanic islands driven by Pleistocene sea level cycles: Biogeographic implications for Macaronesian archipelagos, Atlantic Ocean. *Journal of Biogeography*, 41 (7): 1242-1254.

LÓPEZ, H., D. HERNÁNDEZ-TEIXIDOR, N. MACÍAS-HERNÁNDEZ, C. JUAN & P. OROMÍ (2013) A taxonomic revision and species delimitation of the genus *Purpuraria* Enderlein, 1929 (Orthoptera: Pamphagidae) using an integrative approach. *Journal of Zoological Systematics and Evolutionary Research*, 51 (3): 173-186.

REBOLEIRA, A.S., A.J. PÉREZ, H. LÓPEZ, N. MACÍAS-HERNÁNDEZ, S. DE LA CRUZ & P. OROMÍ (2012) Catalogue of the type material in the entomological collection of the University of La Laguna (Canary Islands, Spain). I. *Arachnida*. *Zootaxa*, 3556: 61-79

LÓPEZ, H., E. MORALES, S. DE LA CRUZ & P. OROMÍ (2011) *Acrostira euphorbiae* García y Oromí, 1992. In: *Atlas de los Invertebrados Amenazados de España (vulnerables)*. VERDÚ, J.R., C. NUMA & E. GALANTE (eds.). 1187-1192. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente. MADRID, ESPAÑA

GILGADO, J.D., H. LÓPEZ, P. OROMÍ & V.M. ORTUÑO (2011) Description of the first larval instar of *Broscus crassimargo* Wollaston, 1865 (Carabidae: Broscini) and notes about the presence of the species in the mesovoid shallow substratum of La Gomera (Canary Islands, Spain). *Entomologica Fennica*, 22: 45-55.

PIPAN, T., H. LÓPEZ, P. OROMÍ, S. POLACK & D.C. CULVER (2011) Temperature variation and the presence of troglobionts in terrestrial shallow subterranean habitats. *Journal of Natural History*, 45 (3-4): 253-273.

MORALES, E., H. LÓPEZ & P. OROMÍ (2010) Distribución y amenazas de *Acrostira euphorbiae* (Pamphagidae, Orthoptera). *Revista de la Academia Canaria de las Ciencias*, 21 (3-4): 119-131.

MORALES, M., P. OROMÍ, A.J. PÉREZ, C. GONZÁLEZ, O. FERNÁNDEZ, H. LÓPEZ & S. MARTÍN (2009) *Fauna cavernícola de Gran Canaria. Secretos del mundo subterráneo*. Sociedad Entomológica Canaria Melansis, Las Palmas de Gran Canaria. 103 pp.

LÓPEZ, H. & P. OROMÍ (2010) A pitfall trap for sampling the mesovoid shallow substratum (MSS) fauna. *Speleobiology Notes*, 2: 7-11.

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GARCÍA, R., H. LÓPEZ & P. OROMÍ (2007) Additional data to the genus *Baezia* with description of a new species from a cave on El Hierro, Canary Islands (Coleoptera, Curculionidae, Molytinae). *Zootaxa*, 1631: 47-55.

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