

Curriculum vitae

PERSONAL DATA

Full name: Ana Catarina de Ceia Hasse Ferreira

Publishing name: Ana Ceia-Hasse

Orcid: 0000-0002-5844-7601

Date and place of birth: 19.06.1978, Lisbon, Portugal

Institutional address: Instituto de Higiene e Medicina Tropical (IHMT)
Universidade Nova de Lisboa (UNL)
Rua da Junqueira 100, 1349-008 Lisboa, Portugal

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ACADEMIC DEGREES

- 2017** PhD in Biology, Faculty of Natural Sciences I - Biological Sciences, Martin Luther University of Halle-Wittenberg, Germany
- 2002** Licentiate degree in Biology, Faculty of Sciences, University of Lisbon, Portugal (pre-Bologna Graduation)

PROFESSIONAL AND RESEARCH EXPERIENCE

- 2019.09-present** Contracted Postdoctoral Researcher in project "WARDEN - An operational early WARning system for DENgue and other arboviral diseases in Madeira Island", PTDC/SAU-PUB/30089/2017. Institute of Hygiene and Tropical Medicine (IHMT), NOVA University of Lisbon, Portugal; Institute of Geography and Spatial Planning (IGOT), University of Lisbon, Portugal
- 2018.06-2019.08** Postdoctoral Fellow in project "2gether - Threatened specialized interactions endemic to a biodiversity hotspot", PTDC/BIA-BIC/1013/2014. Centre for Ecology, Evolution and Environmental Changes (cE3c), Faculty of Sciences, University of Lisbon, Portugal
- 2018.01-2018.05** Integrated Researcher with PhD of Research Centre in Biodiversity and Genetic Resources, InBIO Associate Laboratory (CIBIO-InBIO), Portugal
- 2016.09-2017.12** Research Fellow at the Infraestruturas de Portugal Biodiversity Chair. Research Centre in Biodiversity and Genetic Resources, InBIO Associate Laboratory (CIBIO-InBIO), Lisbon, Portugal

- 2015** Student Helper at the Biodiversity and Conservation Research Group. German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany
- 2014.07-12** Research Fellow in EU-FP7 project "PATHWAYS - Exploring transitions pathways to sustainable, low carbon societies". German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany; Faculty of Sciences, University of Lisbon, Portugal
- 2014.01-06** Research Fellow in DIVERSITAS project "GBO4 - Global Biodiversity Outlook 4". German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany; Faculty of Sciences, University of Lisbon, Portugal
- 2013** Research Fellow in project "MoBiA - Monitoring Biodiversity in Environmental Assessments", PTDC/AAC-AMB/114522/2009. Centre for Ecology, Evolution and Environmental Changes (cE3c), Faculty of Sciences, University of Lisbon, Portugal
- 2007-2014** Member of Centre for Ecology, Evolution and Environmental Changes (cE3c), Faculty of Sciences, University of Lisbon, Portugal
- 2005** Research Assistant in "Project Grand Singes" in Cameroon. Centre for Research and Conservation, Royal Zoological Society of Antwerp, Belgium
- 2003-2004** Research Assistant in the "Enrichment Programme for primates at the Lisbon Zoo". University of Lisbon, New University of Lisbon, Portugal, Jane Goodall Institute, University of Cambridge, United Kingdom

PUBLICATIONS

THESES

Ceia-Hasse A (2017) Process-based models of biodiversity response to global change. PhD Dissertation. Martin-Luther-Universität Halle-Wittenberg. <http://digital.bibliothek.uni-halle.de/hs/content/titleinfo/2546187>

PAPERS IN PERIODICS WITH SCIENTIFIC REFEREEING

Ceia-Hasse A, Borda-de-Água L, Navarro LM, Pereira HM (2018) Population persistence in landscapes fragmented by roads: disentangling isolation, road mortality, and dispersal. *Ecological Modelling* 375: 45-53. doi:10.1016/j.ecolmodel.2018.01.021

Ceia-Hasse A, Borda-de-Água L, Grilo C, Pereira HM (2017) Global exposure of carnivores to roads. *Global Ecology and Biogeography* 26: 592-600. doi:10.1111/geb.12564. Featured in front cover: doi:10.1111/geb.12597

Tiago P, **Ceia-Hasse A**, Marques TA, Capinha C, Pereira HM (2017) Spatial distribution of citizen science casuistic observations for different taxonomic groups. *Scientific Reports* 7: 12832. doi:10.1038/s41598-017-13130-8

Ceia-Hasse A, Sinervo B, Vicente L, Pereira HM (2014) Integrating ecophysiological models into species distribution projections of European reptile range shifts in response to climate change. *Ecography* 37: 679-688. doi:10.1111/j.1600-0587.2013.00600.x

OTHER PUBLICATIONS

Ceia-Hasse A, Borda-de-Água L, Pereira HM (2018) PopIn - An R package for assessing the impact of linear infrastructures on populations. <https://github.com/anaceiahasse/PopIn>

Lucas P, **Ceia-Hasse A**, Bager A (2018) Ecologia de Rodovias: perspectivas em macro-escalas espaciais [Road Ecology: perspectives at spatial macroscales]. In *Infraestrutura Viária e Biodiversidade: Métodos e Diagnósticos [Road infrastructure and biodiversity: methods and diagnostics]*, edited by Bager A. Lavras, Brazil: Universidade Federal de Lavras. Pps. 107-118.

COMMUNICATIONS

Ceia-Hasse A, Boieiro M, Soares A, Antunes S, Figueiredo H, Rego C, Borges P, Conde J, Serrano A (2019) Drivers of butterfly and dragonfly community change along elevational gradients in a mountainous area. 15th European Ecological Federation (EEF) Congress, Lisbon, Portugal

Costa R, **Ceia-Hasse A**, Rego C, Penado A, Rebelo R, Boieiro M (2019) The effect of traits and isolation on individual-based pollination networks of the island endemic *Echium candicans*. 15th European Ecological Federation (EEF) Congress, Lisbon, Portugal

Costa R, **Ceia-Hasse A**, Penado A, Rego C, Rebelo R, Boieiro M (2019) Foraging activity and diversity of flower visitors of *Echium candicans*, an endemic plant from Madeira Island. 18th Entomology Iberian Congress, Madrid, Spain

Wendt C, Verble-Pearson R, Aleixo CA, Nunes A, **Ceia-Hasse A**, Santini G, Boieiro M, Branquinho C (2019) How climate change can drive ant functional structure and diversity. 1st Meeting of the Iberian Ecological Society and 14th AEET Meeting, Barcelona, Spain

Ceia-Hasse A (2018) Process-based models of biodiversity response to environmental change. cE3c Annual Meeting, Lisbon, Portugal

Tiago P, **Ceia-Hasse A**, Marques TA, Capinha C, Pereira S, Pereira HM (2017) Avaliação da distribuição espacial do número de registos por grupo taxonómico: potenciais problemas de representatividade de registos de ciência cidadã. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisbon, Portugal

- Grilo C, **Ceia-Hasse A**, Ferreira F, Coimbra MR, Bager A, Borda-de-Água L (2017) Mammals at Risk of Extinction and Spatial Patterns of Critical Areas in Brazil Due to Road Mortality: New Approach for Decision-Makers. International Conference on Ecology and Transportation (ICOET), Salt Lake City, Utah, USA
- Ceia-Hasse A**, Borda-de-Água L, Pereira HM (2016) Um Pacote em R para a Avaliação do Impacto de Infraestruturas Lineares na Viabilidade de Populações Selvagens. Simpósio Ecologia das Ferrovias, Instituto Superior de Agronomia, Lisboa, Portugal
- Ceia-Hasse A**, Navarro L, Borda-de-Água L, Pereira HM (2016) Population persistence in fragmented landscapes: disentangling isolation, road mortality, and the effect of dispersal. German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig Annual Conference, Leipzig, Germany
- Ceia-Hasse A**, Rytwinski T, Pereira HM (2015) Can species traits influence their vulnerability to road impacts? 27th International Congress for Conservation Biology (ICCB) and 4th European Congress for Conservation Biology (ECCB), Montpellier, France
- Ceia-Hasse A**, Borda-de-Água L, Grilo C, Pereira HM (2014) Global impact of roads on carnivores: which species and where? 4th Infra Eco Network Europe (IENE) International Conference, Malmö, Sweden
- Ceia-Hasse A**, Borda-de-Água L, Grilo C, Pereira HM (2014) Land use change and biodiversity: modeling the impact of roads on carnivores. 44th Annual Conference of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Hildesheim, Germany
- Ceia-Hasse A**, Sinervo B, Vicente L, Pereira HM (2012) Comparing ecophysiological and species distribution models to project European reptile range shifts. 3rd European Congress of Conservation Biology (ECCB), Glasgow, UK
- Ferreira M, **Ceia-Hasse A**, Crespo E, Vicente L (2006) The herpetocenosis of a pinewood and shrubland coastal landscape to the southwest of Lisbon. IX Congresso Luso-Espanhol de Herpetologia, Donostia-San Sebastián, Spain
- Figueirinhas C, Amaral JP, Ferreira M, Proença V, Luz AC, **Ceia-Hasse A**, Sousa J, Vicente L (2006) Characterization of thermoregulation in *Podarcis carbonelli berlenguensis* and thermoregulatory "Cost-Benefit" model deviation study. IX Congresso Luso-Espanhol de Herpetologia, Donostia-San Sebastián, Spain
- Ceia-Hasse A**, Casanova C, Vicente L (2003) Environmental Enrichment in *Gorilla gorilla gorilla* and *Alouatta caraya* at Lisbon Zoo. 1st Portuguese International Primatological Conference, Lisbon, Portugal

SOFTWARE AND PROGRAMMING SKILLS

- R, C++, Python, QGIS, Mathematica, Matlab, Statistica

LANGUAGES

Portuguese Reading: excellent; writing: excellent; conversation: excellent *

English Reading: excellent; writing: excellent; conversation: excellent **

French Reading: good; writing: basic; conversation: basic

Spanish Reading: good; writing: basic; conversation: good

German Reading: basic; writing: basic; conversation: basic

* Native speaker; ** Certificate of Proficiency in English, University of Cambridge (1995)

TEACHING

- **Climate change and vector-borne diseases.** Institute of Hygiene and Tropical Medicine, NOVA University of Lisbon (2020) (MSc Medical Parasitology) (theoretical and practical classes)
- **Spatial Ecology course.** iDiv Halle-Jena-Leipzig and Martin-Luther University Halle-Wittenberg, Germany (2014) (MSc) (practical classes and support to student's assignments)
- **General Ecology course.** FCUL, Portugal (2013) (undergraduate) (computer and field work classes)

SUPERVISING

- **2018-2019:** Thomson M. Spatial-temporal analysis of the impacts of road network expansion on Colombian primates. MSc Thesis. Bangor University, United Kingdom. Co-advisor

COMPLEMENTARY TRAINING

- 2nd *Aedes* Invasive Mosquitoes (AIM) COST Action. Annual Conference. IHMT, UNL (2020)
- Science IN² Business. Workshop Series. Tec Labs - Innovation Centre, FCUL, Portugal (2019)
- Applied Methods in Community Ecology and Functional Ecology. Advanced Course. Centre for Ecology, Evolution and Environmental Changes (cE3c), FCUL, Portugal (2018)
- Production of Science Communication Activities. Advanced Course. cE3c, FCUL, Portugal (2018)
- European Funding for Research. Training course, Marie Skłodowska Curie Actions session. University of Lisbon, Portugal (2018)
- Editors workshop. Workshop. German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Germany (2015)

- Professional mapping drone (eBee). Training session. iDiv Halle-Jena-Leipzig, Germany (2015)
- Sustainability and Complexity in Ape Habitat and Biodiversity Conservation. iDiv Workshop for Research group integration. Bonac, France (2015)
- Fundraising for young scientists. Workshop. iDiv Halle-Jena-Leipzig, Germany (2014)
- Biodiversity Metadata Management. Workshop. iDiv Halle-Jena-Leipzig, Germany (2014)
- Scientific Writing. Course. Centre for Biosciences, Instituto Superior de Psicologia Aplicada, Lisbon, Portugal (2013)
- Theoretical Ecology. Advanced Course. cE3c, FCUL, Portugal (2011)
- Global Biodiversity Change. Course. Peneda Field Station, Castro Laboreiro, Portugal (2010)
- Generalized Linear Models in Ecology. Course. Liga para a Protecção da Natureza, Lisbon, Portugal (2008)
- Scientific Illustration. Course and Exhibition. FCUL, Portugal (1999)

MEDIA ATTENTION

- **Biosfera (RTP) TV show:** Linear Infrastructures compromise biodiversity (<http://www.rtp.pt/play/p3148/e285144/biosfera>) (2017)
- **Wilder Magazine:** Piece highlighting the study on the impact of roads on carnivore species at the global level (Ceia-Hasse et al. 2017, *Global Ecology and Biogeography* 26: 592-600) (<http://www.wilder.pt/historias/lince-iberico-esta-entre-os-mamiferos-carnivoros-mais-ameacados-pelas-estradas/>) (2017)

SCIENCE OUTREACH ACTIVITIES

- European Researchers Night. National Museum of Natural History and Science, Portugal (2018)
- Observa Natura - Nature tourism fair. Setúbal, Portugal (2018)

OTHER ACTIVITIES

- Reviewer for *Global Change Biology*, *Diversity and Distributions*, *Journal of Biogeography*, *PLOS One* (2014-present)
- Organizing team Railway Ecology Symposium, CIBIO-InBIO, ISA, Lisbon, Portugal (2016)
- Scientific Committee 1st Ibero-American Congress on Biodiversity and Road Infrastructure, Lavras, Brazil (2016)
- Organizing team 1st and 2nd Portuguese International Primatological Conferences, Lisbon, Portugal (2003, 2005)
- Driver's license (category B) (since 1998)