

## DATA PAPER

# MAMMALS IN PORTUGAL: A data set of terrestrial, volant, and marine mammal occurrences in Portugal

Clara Grilo<sup>1,2</sup>  | Beatriz C. Afonso<sup>3,4</sup>  | Filipe Afonso<sup>5</sup>  | Marta Alexandre<sup>1</sup> |  
 Sara Aliácar<sup>6</sup> | Ana Almeida<sup>7</sup>  | Ivan Prego Alonso<sup>8</sup> | Francisco Álvares<sup>9</sup>  |  
 Paulo Alves<sup>10</sup>  | Paulo Célio Alves<sup>9,11</sup>  | Pedro Alves<sup>12,13</sup> | Anabela Amado<sup>14</sup> |  
 Vitor Amendoeira<sup>15</sup> | Francisco Amorim<sup>9,16</sup>  | Guilherme da Silva Aparício<sup>1</sup>  |  
 Ricardo Araújo<sup>17</sup>  | Fernando Ascensão<sup>3</sup>  | Margarida Augusto<sup>18,19</sup>  |  
 Victor Bandeira<sup>20</sup>  | A. Márcia Barbosa<sup>21</sup> | Soraia Barbosa<sup>9,22</sup>  | Sérgio Barbosa<sup>19</sup> |  
 Silvia Barreiro<sup>23</sup>  | Paulo Barros<sup>24,25</sup>  | Tânia Barros<sup>20</sup>  | Filomena Barros<sup>26</sup> |  
 Mafalda Basto<sup>3</sup>  | Joana Bernardino<sup>9</sup>  | Sara Bicho<sup>8</sup> | Luis Eduardo Biedma<sup>27</sup>  |  
 Marta Borges<sup>15</sup> | Luis Braz<sup>24,25</sup>  | José Carlos Brito<sup>9</sup>  | Tiago Brito<sup>28</sup> |  
 João Alexandre Cabral<sup>24,25</sup>  | Javier Calzada<sup>27</sup>  | Cláudia Camarinha<sup>3</sup> |  
 Mafalda Carapuço<sup>29</sup>  | Paulo Cardoso<sup>18</sup>  | Mário Carmo<sup>30</sup> | Carlos Carrapato<sup>31</sup> |  
 Mailis da Silva Carrilho<sup>1</sup>  | Diogo Filipe T. C. S. Carvalho<sup>24,25</sup>  |  
 Filipe Carvalho<sup>9,32</sup>  | João Carvalho<sup>20</sup> | Diana Castro<sup>9</sup>  | Guilherme Castro<sup>20</sup> |  
 Joana Castro<sup>33,34</sup>  | Luis Roma Castro<sup>31</sup> | Filipe Xavier Catry<sup>35</sup>  |  
 Ana M. Cerveira<sup>1,7</sup>  | André Cid<sup>33</sup> | Rafael Clarke<sup>8</sup> | Conceição Conde<sup>31</sup> |  
 José Conde<sup>36</sup> | Jorge Costa<sup>37</sup> | Mafalda Costa<sup>38</sup>  | Pedro Costa<sup>39</sup> |  
 Cristina Costa<sup>31</sup> | André Pedro do Couto<sup>6</sup>  | João Craveiro<sup>40</sup> | Marta Dias<sup>3</sup>  |  
 Sofia Dias<sup>8</sup>  | Beatriz Duarte<sup>7</sup>  | Virginia Duro<sup>25</sup>  | Cláudia Encarnação<sup>41,42</sup>  |  
 Sofia Eufrázio<sup>43</sup>  | António Fael<sup>18,44</sup> | João Salvador Falé<sup>26</sup>  | Sandra Faria<sup>25</sup>  |  
 Carlos Fernandes<sup>3,45</sup>  | Margarida Fernandes<sup>31</sup>  | Gonçalo Ferrão da Costa<sup>18,20</sup>  |  
 Clara Ferreira<sup>9,46</sup>  | Diogo F. Ferreira<sup>9,47,48</sup> | Eduardo Ferreira<sup>20</sup>  |  
 Joaquim Pedro Ferreira<sup>20</sup>  | João Ferreira<sup>49</sup> | Diana Ferreira<sup>7</sup> |  
 Carlos Fonseca<sup>20,50</sup>  | Inês Fontes<sup>4</sup>  | Ricardo Frago<sup>31</sup> | Claudia Franco<sup>8</sup> |  
 Tamira Freitas<sup>51</sup> | Sofia I. Gabriel<sup>1,20</sup>  | Rory Gibb<sup>47</sup>  | Patricia Gil<sup>9</sup>  |  
 Carla Patricia Jorge Gomes<sup>24,25</sup>  | Pedro Horta<sup>9,11,16,52</sup>  | Pedro Gomes<sup>20</sup> |  
 Verónica Gomes<sup>9</sup>  | Filipa Grilo<sup>3</sup>  | Américo Guedes<sup>53</sup> | Filipa Guilherme<sup>9</sup>  |  
 Iván Gutiérrez<sup>53</sup> | Henry Harper<sup>33</sup> | José M. Herrera<sup>23</sup>  | Dário Hipólito<sup>20,54</sup>  |  
 Samuel Infante<sup>10</sup> | José Jesus<sup>51</sup> | Kate E. Jones<sup>47</sup>  | Marina I. Laborde<sup>33,34</sup>  |  
 Luís Lamas de Oliveira<sup>25</sup> | Inês Leitão<sup>5</sup> | Rita Lemos<sup>12</sup> | Cátia Lima<sup>20</sup> |  
 Paloma Linck<sup>20</sup>  | Hugo Lopes<sup>26</sup> | Susana Lopes<sup>9</sup>  | Adrià López-Baucells<sup>55</sup>  |

Armando Loureiro<sup>31</sup> | Filipa Loureiro<sup>3</sup> | Rui Lourenço<sup>56</sup>  | Sofia Lourenço<sup>57</sup> |  
 Paula Lucas<sup>26</sup> | Ana Magalhães<sup>20</sup> | Cristina Maldonado<sup>5</sup>  | Fabio Marcolin<sup>58</sup>  |  
 Sara Marques<sup>20</sup> | J. Tiago Marques<sup>40</sup>  | Carina Marques<sup>59,60</sup> | Paulo Marques<sup>61</sup> |  
 Pedro Caetano Marrecas<sup>8</sup>  | Frederico Martins<sup>40</sup>  | Raquel Martins<sup>20</sup> |  
 Miguel Mascarenhas<sup>18</sup>  | Vanessa A. Mata<sup>9</sup>  | Ana Rita Mateus<sup>5</sup> |  
 Milene Matos<sup>62,63</sup> | Denis Medinas<sup>64</sup>  | Tiago Mendes<sup>40</sup>  | Gabriel Mendes<sup>65</sup> |  
 Frederico Mestre<sup>23,66</sup>  | Catarina Milhinhos<sup>40</sup>  | António Mira<sup>40</sup>  |  
 Rita I. Monarca<sup>1</sup>  | Norberto Monteiro<sup>67</sup> | Barbara Monteiro<sup>68</sup> |  
 Pedro Monterroso<sup>9</sup>  | Mónia Nakamura<sup>9,11</sup>  | Nuno Negrões<sup>20</sup>  |  
 Eva K. Nóbrega<sup>69</sup>  | Miguel Nóvoa<sup>53,70</sup> | Manuel Nunes<sup>63</sup> |  
 Nuno Jardim Nunes<sup>71</sup> | Flávio Oliveira<sup>1</sup>  | José Miguel Oliveira<sup>72</sup> |  
 Jorge M. Palmeirim<sup>3</sup>  | João Pargana<sup>31</sup> | Anabela Paula<sup>18</sup>  | Joana Paupério<sup>9</sup>  |  
 Nuno M. Pedroso<sup>43</sup>  | Guilherme Pereira<sup>3</sup>  | Pedro F. Pereira<sup>18,56</sup>  |  
 José Pereira<sup>53</sup> | Maria João Ramos Pereira<sup>20,73</sup>  | Francisco Petrucci-Fonseca<sup>3</sup>  |  
 Miguel Pimenta<sup>31</sup> | Sara Pinto<sup>53,70</sup> | Nuno Pinto<sup>20,62</sup> | Rosa Pires<sup>74</sup>  |  
 Ricardo Pita<sup>75</sup>  | Carlos Pontes<sup>76</sup> | Marisa Quaresma<sup>31</sup> | João Queirós<sup>9</sup>  |  
 Luís Queirós<sup>53</sup> | Ana Rainho<sup>3</sup>  | Maria da Graça Ramalhinho<sup>1,77</sup>  |  
 Patrícia Ramalho<sup>41,78</sup> | Helena Raposeira<sup>9,11,16,52</sup>  | Francisco Rasteiro<sup>79</sup> |  
 Hugo Rebelo<sup>9,16</sup> | Frederico Tátá Regala<sup>80</sup> | Dyana Reto<sup>5</sup> |  
 Sérgio Bruno Ribeiro<sup>81</sup> | Helena Rio-Maior<sup>9</sup> | Ricardo Rocha<sup>9,16</sup>  |  
 Rita Gomes Rocha<sup>9</sup>  | Luísa Rodrigues<sup>31</sup> | Jacinto Román<sup>82</sup>  | Sara Roque<sup>3,5</sup> |  
 Luís Miguel Rosalino<sup>3</sup>  | Inês T. do Rosário<sup>3</sup>  | Mariana Rossa<sup>20</sup>  |  
 Danilo Russo<sup>83</sup>  | Pedro Sá<sup>62,63</sup> | Helena Sabino-Marques<sup>42</sup>  | Vânia Salgueiro<sup>39</sup> |  
 Helena Santos<sup>9,16</sup>  | Joana Santos<sup>18</sup>  | João P. V. Santos<sup>20,53,84</sup>  |  
 Nuno Santos<sup>9</sup>  | Sara Santos<sup>75</sup>  | Carlos Pedro Santos<sup>31</sup> |  
 Margarida Santos-Reis<sup>3</sup>  | Ana Serronha<sup>9</sup>  | Pablo Sierra<sup>85</sup> | Bruno Silva<sup>23</sup>  |  
 Carla S. G. M. Silva<sup>86</sup> | Clara Silva<sup>8</sup> | Diogo Silva<sup>20</sup> | Luís P. da Silva<sup>9</sup>  |  
 Ricardo Silva<sup>1</sup>  | Carmen Silva<sup>87</sup> | Flavio Manoel Rodrigues da Silva Júnior<sup>88</sup>  |  
 Pedro Sousa<sup>9</sup>  | Diana Sousa-Guedes<sup>20,21</sup>  | Giulia Spadoni<sup>89</sup>  |  
 Joaquim T. Tapisso<sup>1</sup>  | Daniela Teixeira<sup>20</sup>  | Sérgio Teixeira<sup>51,90,91</sup> |  
 Nuno Teixeira<sup>92</sup> | Rita T. Torres<sup>20</sup>  | Paulo Travassos<sup>24,25</sup>  |  
 Hélia Vale-Gonçalves<sup>24,25</sup>  | Nuno Cidraes-Vieira<sup>93</sup> | Sophie von Merten<sup>1</sup>  |  
 Maria da Luz Mathias<sup>1</sup> 

<sup>1</sup>CESAM – Centro de Estudos do Ambiente e do Mar, Departamento de Biologia Animal, Faculdade de Ciências, Universidade de Lisboa, Lisbon, Portugal

<sup>2</sup>Setor Ecologia/Departamento de Biologia, Universidade Federal de Lavras, Lavras, Brazil

<sup>3</sup>CE3c – Centre for Ecology, Evolution, and Environmental Changes and Departamento de Biologia Animal, Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

<sup>4</sup>Departamento de Biologia, Universidade de Évora Pólo da Mitra, Évora, Portugal

- <sup>5</sup>Faculdade de Ciências de Lisboa, Universidade de Lisboa, Lisbon, Portugal
- <sup>6</sup>Rewilding, Portugal
- <sup>7</sup>Departamento de Biologia, Universidade de Aveiro, Campus Universitário de Santiago, Aveiro, Portugal
- <sup>8</sup>Lisbon, Portugal
- <sup>9</sup>CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Universidade do Porto, Vairão, Portugal
- <sup>10</sup>Quercus – Associação Nacional de Conservação da Natureza, Lisbon, Portugal
- <sup>11</sup>Departamento de Biologia, Faculdade de Ciências, Universidade do Porto, Porto, Portugal
- <sup>12</sup>GPS – Grupo Protecção Sico, Pombal, Portugal
- <sup>13</sup>Plecotus - Estudos Ambientais Lda, Pombal, Portugal
- <sup>14</sup>Miranda do Douro, Portugal
- <sup>15</sup>GEM – Grupo de Espeleologia e Montanhismo, Portugal
- <sup>16</sup>CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos-Instituto Superior de Agronomia, Universidade de Lisboa, Lisbon, Portugal
- <sup>17</sup>Museu de História Natural do Funchal, Funchal, Portugal
- <sup>18</sup>Bioinsight – Ambiente & Biodiversidade, Lda, Odivelas, Portugal
- <sup>19</sup>CEAE-LPN – Centro de Estudos e Actividades Especiais da Liga para a Protecção da Natureza, Portugal
- <sup>20</sup>CESAM – Centro de Estudos do Ambiente e do Mar, Departamento de Biologia, Universidade de Aveiro, Campus Universitário de Santiago, Aveiro, Portugal
- <sup>21</sup>CICGE – Centre for Research in Geo-Spatial Sciences, Faculdade de Ciências da Universidade do Porto, Alameda do Monte da Virgem, Vila Nova de Gaia, Portugal
- <sup>22</sup>Department of Fish and Wildlife Sciences, College of Natural Resources, University of Idaho, Moscow, Idaho, USA
- <sup>23</sup>MED – Mediterranean Institute for Agriculture, Environment, and Development, Universidade de Évora, Évora, Portugal
- <sup>24</sup>Centre for the Research and Technology of Agro-Environment and Biological Sciences (CITAB), University of Trás-os-Montes and Alto Douro (UTAD), Vila Real, Portugal
- <sup>25</sup>Laboratory of Applied Ecology, University of Trás-os-Montes and Alto Douro (UTAD), Vila Real, Portugal
- <sup>26</sup>CRASM-Centro de Recuperação de Animais Selvagens do Montejunto, Cadaval, Portugal
- <sup>27</sup>Department of Integrated Sciences, Faculty of Experimental Sciences, University of Huelva, Huelva, Spain
- <sup>28</sup>Cartaxo, Portugal
- <sup>29</sup>Instituto Português do Mar e da Atmosfera, I.P., Portugal
- <sup>30</sup>Mário Carmo - Your Biodiversity and Ecosystem Consultant, Portugal
- <sup>31</sup>Instituto da Conservação da Natureza e das Florestas-ICNF, Portugal
- <sup>32</sup>Department of Zoology and Entomology, School of Biological and Environmental Sciences, University of Fort Hare, Alice, South Africa
- <sup>33</sup>AIMM – Associação para a Investigação do Meio Marinho, Portugal
- <sup>34</sup>MARE – Marine and Environmental Sciences Centre, Faculty of Sciences, University of Lisbon, Lisbon, Portugal
- <sup>35</sup>Centre for Applied Ecology/Research Network in Biodiversity and Evolutionary Biology (CEABN/InBIO), School of Agriculture, University of Lisbon (ISA, UL), Lisbon, Portugal
- <sup>36</sup>Município de Seia, Centro de Interpretação da Serra da Estrela, Portugal
- <sup>37</sup>Vila Nova de Famalicão, Portugal
- <sup>38</sup>OnE – Organisms and Environment Division, School of Biosciences, Cardiff University, Wales, UK
- <sup>39</sup>Universidade de Évora, Évora, Portugal
- <sup>40</sup>MED – Mediterranean Institute for Agriculture, Environment, and Development, Departamento de Biologia, Escola de Ciências e Tecnologia, Universidade de Évora, Évora, Portugal
- <sup>41</sup>Almargem – Associação de Defesa do Património Cultural e Ambiental do Algarve, Portugal
- <sup>42</sup>Departamento de Biologia, Unidade de Biologia da Conservação, Escola de Ciências e Tecnologia, Universidade de Évora, Núcleo da Mitra, Évora, Portugal
- <sup>43</sup>MED – Mediterranean Institute for Agriculture, Environment, and Development, Instituto de Investigação e Formação Avançada, Universidade de Évora, Pólo da Mitra, Évora, Portugal
- <sup>44</sup>Núcleo de Espeleologia de Leiria, Portugal

- <sup>45</sup>Faculdade de Psicologia, Universidade de Lisboa, Alameda da Universidade, Lisbon, Portugal
- <sup>46</sup>Animal Ecology, Institute for Biochemistry and Biology, University of Potsdam, Potsdam, Germany
- <sup>47</sup>Department of Genetics, Evolution, and Environment, Centre for Biodiversity and Environment Research, University College London, London, UK
- <sup>48</sup>Madeira Interactive Technologies Institute, Polo Científico e Tecnológico da Madeira, Caminho da Penteada, Funchal, Portugal
- <sup>49</sup>Braga, Portugal
- <sup>50</sup>ForestWISE – Collaborative Laboratory for Integrated Forest & Fire Management, Quinta de Prados, Vila Real, Portugal
- <sup>51</sup>Universidade da Madeira, Faculdade de Ciências da Vida, Portugal
- <sup>52</sup>OII – Observatório Inovação Investigação, Seia, Portugal
- <sup>53</sup>Palombar – Conservação da Natureza e do Património Rural, Antiga Escola Primária, Vimioso, Portugal
- <sup>54</sup>Department of Biology, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia
- <sup>55</sup>Natural Sciences Museum of Granollers, Granollers, Spain
- <sup>56</sup>MED – Mediterranean Institute for Agriculture, Environment, and Development, LabOr Laboratório de Ornitologia, IIFA, Universidade de Évora, Pólo da Mitra, Évora, Portugal
- <sup>57</sup>Pavilhão do Conhecimento – Ciência Viva, Portugal
- <sup>58</sup>Centro de Estudos Florestais, Instituto Superior de Agronomia, Universidade de Lisboa, Lisbon, Portugal
- <sup>59</sup>SPVS – Sociedade Portuguesa de Vida Selvagem, Portugal
- <sup>60</sup>ARCM – Alto Relevo Clube de Montanhismo, Portugal
- <sup>61</sup>EDIA – Empresa de Desenvolvimento e Infraestruturas do Alqueva S.A., Portugal
- <sup>62</sup>Associação BioLiving, Rua do Outeiro, Albergaria-a-Velha, Portugal
- <sup>63</sup>Município de Lousada, Lousada, Portugal
- <sup>64</sup>CIBIO/InBIO-UE, Research Centre in Biodiversity and Genetic Resources, University of Évora, Évora, Portugal
- <sup>65</sup>AES – Associação dos Espeleólogos de Sintra, Portugal
- <sup>66</sup>Cátedra “Rui Nabeiro” de Biodiversidade, Évora, Portugal
- <sup>67</sup>BioRia – Município de Estarreja, Portugal
- <sup>68</sup>Sobral & Monteiro Consulting, Portugal
- <sup>69</sup>Universitat Autònoma de Barcelona, Barcelona, Spain
- <sup>70</sup>AEPGA – Associação para o Estudo e Proteção do Gado Asinino, Atenor, Miranda do Douro, Portugal
- <sup>71</sup>Instituto Superior Técnico de Lisboa, University of Lisbon & ITI/LARSyS, Lisbon, Portugal
- <sup>72</sup>Soure, Portugal
- <sup>73</sup>Departamento de Zoologia, Instituto Biociencias, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil
- <sup>74</sup>Instituto das Florestas e Conservação da Natureza, IP-RAM, Portugal
- <sup>75</sup>MED – Mediterranean Institute for Agriculture, Environment, and Development, Instituto de Investigação e Formação Avançada & Unidade de Biologia da Conservação, Departamento de Biologia, Universidade de Évora, Pólo da Mitra, Évora, Portugal
- <sup>76</sup>Viana do Castelo, Portugal
- <sup>77</sup>Museu Nacional de História Natural e da Ciência, Universidade de Lisboa, Lisbon, Portugal
- <sup>78</sup>Câmara Municipal de Loulé, Portugal
- <sup>79</sup>NECA – Núcleo de Espeleologia da Costa Azul, Portugal
- <sup>80</sup>AESDA – Associação de Estudos Subterrâneos e Defesa do Ambiente, Portugal
- <sup>81</sup>BIOMATER – Ambiente, Sustentabilidade e Conservação da Natureza, Lda, Portugal
- <sup>82</sup>Department of Conservation Biology, Doñana Biological Station, CSIC, Sevilla, Spain
- <sup>83</sup>Wildlife Research Unit, Dipartimento di Agraria, Università degli Studi di Napoli Federico II, Italy
- <sup>84</sup>Sanidad y Biotecnología (SaBio), Instituto de Investigación en Recursos Cinegéticos (IREC, UCLM-CSIC-JCCM), Ciudad Real, Spain
- <sup>85</sup>Pontevedra, Spain
- <sup>86</sup>Direção Regional do Ambiente e Alterações Climáticas, Secretaria Regional do Ambiente e Alterações Climáticas – Governo Regional dos Açores, Portugal
- <sup>87</sup>Vila Real, Portugal

<sup>88</sup>Universidade Federal do Rio Grande, Rio Grande, Brazil

<sup>89</sup>Universidade do Algarve, Faro, Portugal

<sup>90</sup>EUROBATS Madeira Focal Point (IFCN, IP-RAM), Portugal

<sup>91</sup>Madeira Fauna & Flora – Biologia e Conservação, Funchal, Portugal

<sup>92</sup>Ecosativa, Vila Nova de Milfontes, Portugal

<sup>93</sup>STRIX, Rua Capitão Leitão, Parede, Portugal

## Correspondence

Clara Grilo

Email: [clarabentesgrilo@gmail.com](mailto:clarabentesgrilo@gmail.com)

## Funding information

POSEUR, Grant/Award Number:

POSEUR-03-2215-FC-000097

**Handling Editor:** William K. Michener

## Abstract

Mammals are threatened worldwide, with ~26% of all species being included in the IUCN threatened categories. This overall pattern is primarily associated with habitat loss or degradation, and human persecution for terrestrial mammals, and pollution, open net fishing, climate change, and prey depletion for marine mammals. Mammals play a key role in maintaining ecosystems functionality and resilience, and therefore information on their distribution is crucial to delineate and support conservation actions. MAMMALS IN PORTUGAL is a publicly available data set compiling unpublished georeferenced occurrence records of 92 terrestrial, volant, and marine mammals in mainland Portugal and archipelagos of the Azores and Madeira that includes 105,026 data entries between 1873 and 2021 (72% of the data occurring in 2000 and 2021). The methods used to collect the data were: live observations/captures (43%), sign surveys (35%), camera trapping (16%), bioacoustics surveys (4%) and radiotracking, and inquiries that represent less than 1% of the records. The data set includes 13 types of records: (1) burrows | soil mounds | tunnel, (2) capture, (3) colony, (4) dead animal | hair | skulls | jaws, (5) genetic confirmation, (6) inquiries, (7) observation of live animal (8), observation in shelters, (9) photo trapping | video, (10) predators diet | pellets | pine cones/nuts, (11) scat | track | ditch, (12) telemetry and (13) vocalization | echolocation. The spatial uncertainty of most records ranges between 0 and 100 m (76%). Rodentia ( $n = 31,573$ ) has the highest number of records followed by Chiroptera ( $n = 18,857$ ), Carnivora ( $n = 18,594$ ), Lagomorpha ( $n = 17,496$ ), Cetartiodactyla ( $n = 11,568$ ) and Eulipotyphla ( $n = 7008$ ). The data set includes records of species classified by the IUCN as threatened (e.g., *Oryctolagus cuniculus* [ $n = 12,159$ ], *Monachus monachus* [ $n = 1,512$ ], and *Lynx pardinus* [ $n = 197$ ]). We believe that this data set may stimulate the publication of other European countries data sets that would certainly contribute to ecology and conservation-related research, and therefore assisting on the development of more accurate and tailored conservation management strategies for each species. There are no copyright restrictions; please cite this data paper when the data are used in publications.

## KEYWORDS

1873–2021, Carnivora, Cetartiodactyla, Chiroptera, Eulipotyphla, Europe, Iberian Peninsula, Lagomorpha, Rodentia, species distribution



## CONFLICT OF INTEREST


The authors declare no conflict of interest.

## DATA AVAILABILITY STATEMENT

The complete data set is available as Supporting Information and are also available in Figshare at <https://doi.org/10.6084/m9.figshare.14938437>.

## ORCID

Clara Grilo  <https://orcid.org/0000-0001-9870-3115>

Beatriz C. Afonso  <https://orcid.org/0000-0003-3784-8024>


Filipe Afonso  <https://orcid.org/0000-0001-9125-0889>

Ana Almeida  <https://orcid.org/0000-0003-4974-2454>

Francisco Álvares  <https://orcid.org/0000-0002-4033-6989>

Paulo Alves  <https://orcid.org/0000-0002-4089-3902>

Paulo Célio Alves  <https://orcid.org/0000-0003-4797-0939>

Francisco Amorim  <https://orcid.org/0000-0002-7731-9242>

Guilherme da Silva Aparício  <https://orcid.org/0000-0001-6661-3027>

Ricardo Araújo  <https://orcid.org/0000-0002-5119-1201>

Fernando Ascensão  <https://orcid.org/0000-0003-1704-0212>

Margarida Augusto  <https://orcid.org/0000-0002-7424-8901>

Victor Bandeira  <https://orcid.org/0000-0002-2181-3372>

Soraia Barbosa  <https://orcid.org/0000-0001-7806-4256>

Silvia Barreiro  <https://orcid.org/0000-0002-8263-6373>

Paulo Barros  <https://orcid.org/0000-0003-4355-9608>

Tânia Barros  <https://orcid.org/0000-0001-7541-2278>

Mafalda Basto  <https://orcid.org/0000-0003-0997-3047>

Joana Bernardino  <https://orcid.org/0000-0001-9460-7214>


Luis Eduardo Biedma  <https://orcid.org/0000-0003-1946-3059>

Luis Braz  <https://orcid.org/0000-0002-1316-4974>

José Carlos Brito  <https://orcid.org/0000-0001-5444-8132>

João Alexandre Cabral  <https://orcid.org/0000-0002-3333-8898>

Javier Calzada  <https://orcid.org/0000-0001-5701-2238>

Mafalda Carapuço  <https://orcid.org/0000-0003-4590-8971>

Paulo Cardoso  <https://orcid.org/0000-0001-5458-998X>


Mailis da Silva Carrilho  <https://orcid.org/0000-0002-1882-7378>

Diogo Filipe T. C. S. Carvalho  <https://orcid.org/0000-0001-6059-8276>

Filipe Carvalho  <https://orcid.org/0000-0003-2161-5293>

Diana Castro  <https://orcid.org/0000-0002-4422-8037>

Joana Castro  <https://orcid.org/0000-0001-7689-6411>

Filipe Xavier Catry  <https://orcid.org/0000-0003-0668-9323>

Ana M. Cerveira  <https://orcid.org/0000-0001-6982-1462>

Mafalda Costa  <https://orcid.org/0000-0003-1329-8929>

André Pedro do Couto  <https://orcid.org/0000-0002-7613-1096>

Marta Dias  <https://orcid.org/0000-0002-3881-9084>


Sofia Dias  <https://orcid.org/0000-0003-4570-010X>

Beatriz Duarte  <https://orcid.org/0000-0001-9831-7732>

Virginia Duro  <https://orcid.org/0000-0001-8728-5181>

Cláudia Encarnação  <https://orcid.org/0000-0002-8726-1873>

Sofia Eufrazio  <https://orcid.org/0000-0002-4237-6933>

João Salvador Falé  <https://orcid.org/0000-0002-8905-8756>

Sandra Faria  <https://orcid.org/0000-0003-1878-3157>

Carlos Fernandes  <https://orcid.org/0000-0002-1386-8103>

Margarida Fernandes  <https://orcid.org/0000-0001-9239-1202>

Gonçalo Ferrão da Costa  <https://orcid.org/0000-0001-7340-0986>

Clara Ferreira  <https://orcid.org/0000-0002-9726-1789>

Eduardo Ferreira  <https://orcid.org/0000-0003-0497-6118>

Joaquim Pedro Ferreira  <https://orcid.org/0000-0002-0469-1529>

Carlos Fonseca  <https://orcid.org/0000-0001-6559-7133>

Inês Fontes  <https://orcid.org/0000-0003-3436-813X>

Sofia I. Gabriel  <https://orcid.org/0000-0003-3702-4631>

Rory Gibb  <https://orcid.org/0000-0002-0965-1649>


Patricia Gil  <https://orcid.org/0000-0002-3884-807X>

Carla Patricia Jorge Gomes  <https://orcid.org/0000-0002-7753-9544>

Pedro Horta  <https://orcid.org/0000-0003-0715-8559>

Verónica Gomes  <https://orcid.org/0000-0002-3179-2691>

Filipa Grilo  <https://orcid.org/0000-0002-7831-1162>

Filipa Guilherme  <https://orcid.org/0000-0003-1996-6510>

José M. Herrera  <https://orcid.org/0000-0001-7968-3438>

Dário Hipólito  <https://orcid.org/0000-0002-2985-1314>

Kate E. Jones  <https://orcid.org/0000-0001-5231-3293>

Marina I. Laborde  <https://orcid.org/0000-0001-5528-554X>

Paloma Linck  <https://orcid.org/0000-0003-4375-6935>

Susana Lopes  <https://orcid.org/0000-0003-0385-0820>

Adrià López-Baucells  <https://orcid.org/0000-0001-8446-0108>

Rui Lourenço  <https://orcid.org/0000-0001-7694-0478>

Cristina Maldonado  <https://orcid.org/0000-0002-8839-9145>

Fabio Marcolin  <https://orcid.org/0000-0001-9038-886X>  
 J. Tiago Marques  <https://orcid.org/0000-0001-5819-4619>  
 Pedro Caetano Marrecas  <https://orcid.org/0000-0001-5012-2709>  
 Frederico Martins  <https://orcid.org/0000-0003-0390-3371>  
 Miguel Mascarenhas  <https://orcid.org/0000-0003-3715-9317>  
 Vanessa A. Mata  <https://orcid.org/0000-0003-3005-9030>  
 Denis Medinas  <https://orcid.org/0000-0002-9529-8131>  
 Tiago Mendes  <https://orcid.org/0000-0003-2503-3338>  
 Frederico Mestre  <https://orcid.org/0000-0002-7390-1120>  
 Catarina Milhinas  <https://orcid.org/0000-0001-7637-770X>  
 António Mira  <https://orcid.org/0000-0001-6152-0454>  
 Rita I. Monarca  <https://orcid.org/0000-0003-1334-4593>  
 Pedro Monterroso  <https://orcid.org/0000-0002-7911-3651>  
 Mónia Nakamura  <https://orcid.org/0000-0003-2493-2489>  
 Nuno Negrões  <https://orcid.org/0000-0003-1315-6648>  
 Eva K. Nóbrega  <https://orcid.org/0000-0003-4256-5213>  
 Flávio Oliveira  <https://orcid.org/0000-0001-5510-7663>  
 Jorge M. Palmeirim  <https://orcid.org/0000-0003-4734-8162>  
 Anabela Paula  <https://orcid.org/0000-0002-1820-8569>  
 Joana Paupério  <https://orcid.org/0000-0003-2569-0768>  
 Nuno M. Pedroso  <https://orcid.org/0000-0001-6486-130X>  
 Guilherme Pereira  <https://orcid.org/0000-0001-8872-3526>  
 Pedro F. Pereira  <https://orcid.org/0000-0002-9456-571X>  
 Maria João Ramos Pereira  <https://orcid.org/0000-0002-9365-5166>  
 Francisco Petrucci-Fonseca  <https://orcid.org/0000-0003-1313-043X>  
 Rosa Pires  <https://orcid.org/0000-0003-2599-9992>  
 Ricardo Pita  <https://orcid.org/0000-0001-8562-7301>  
 João Queirós  <https://orcid.org/0000-0002-3633-7217>  
 Ana Rainho  <https://orcid.org/0000-0001-8826-9458>  
 Maria da Graça Ramalinho  <https://orcid.org/0000-0002-8755-6081>  
 Helena Raposeira  <https://orcid.org/0000-0002-5552-7585>  
 Ricardo Rocha  <https://orcid.org/0000-0003-2757-7347>  
 Rita Gomes Rocha  <https://orcid.org/0000-0002-4410-3648>  
 Jacinto Román  <https://orcid.org/0000-0003-0675-9432>

Luís Miguel Rosalino  <https://orcid.org/0000-0003-4186-7332>  
 Inês T. do Rosário  <https://orcid.org/0000-0003-1604-1133>  
 Mariana Rossa  <https://orcid.org/0000-0003-1041-8227>  
 Danilo Russo  <https://orcid.org/0000-0002-1934-7130>  
 Helena Sabino-Marques  <https://orcid.org/0000-0002-5505-4781>  
 Helena Santos  <https://orcid.org/0000-0003-3682-5840>  
 Joana Santos  <https://orcid.org/0000-0001-6920-0535>  
 João P. V. Santos  <https://orcid.org/0000-0003-1504-1035>  
 Nuno Santos  <https://orcid.org/0000-0002-1676-107X>  
 Sara Santos  <https://orcid.org/0000-0003-4931-1080>  
 Margarida Santos-Reis  <https://orcid.org/0000-0002-7948-9317>  
 Ana Serronha  <https://orcid.org/0000-0001-6985-8994>  
 Bruno Silva  <https://orcid.org/0000-0002-7323-513X>  
 Luís P. da Silva  <https://orcid.org/0000-0003-2358-1277>  
 Ricardo Silva  <https://orcid.org/0000-0001-5834-0954>  
 Flavio Manoel Rodrigues da Silva Júnior  <https://orcid.org/0000-0002-7344-4679>  
 Pedro Sousa  <https://orcid.org/0000-0002-5859-9656>  
 Diana Sousa-Guedes  <https://orcid.org/0000-0002-4496-6283>  
 Giulia Spadoni  <https://orcid.org/0000-0002-1547-0860>  
 Joaquim T. Tapisso  <https://orcid.org/0000-0002-8664-9956>  
 Daniela Teixeira  <https://orcid.org/0000-0001-6907-6677>  
 Rita T. Torres  <https://orcid.org/0000-0003-4570-459X>  
 Paulo Travassos  <https://orcid.org/0000-0002-3317-4619>  
 Hélia Vale-Gonçalves  <https://orcid.org/0000-0003-4171-212X>  
 Sophie von Merten  <https://orcid.org/0000-0001-6010-1127>  
 Maria da Luz Mathias  <https://orcid.org/0000-0003-3876-958X>

## SUPPORTING INFORMATION

Additional supporting information may be found in the online version of the article at the publisher's website.

**How to cite this article:** Grilo, Clara, Beatriz C. Afonso, Filipe Afonso, Marta Alexandre, Sara Aliácar, Ana Almeida, Ivan Prego Alonso, et al. 2022. "MAMMALS in PORTUGAL: A Data Set of Terrestrial, Volant, and Marine Mammal Occurrences in Portugal." *Ecology* 103(6): e3654. <https://doi.org/10.1002/ecy.3654>