

CURRICULUM VITAE

Filipe Xavier Catry

PERSONAL DATA

Date of Birth: 27/07/1971

Nationalities: Portuguese and French

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PROFESSIONAL EXPERIENCE

Full-time research and development projects

2002-Present: UNIVERSITY OF LISBON (UL), School of Agriculture (ISA), Centre for Applied Ecology (CEABN). Since 2011 integrates the Associate Laboratory InBIO - Research Network in Biodiversity and Evolutionary Biology. Member of the research and coordination team in the following international and national projects:

“Impact of fire and forest management on cork oak mortality and regeneration”. Collaboration protocol between 3 institutions from Portugal.

“Effects of forest certification on the conservation of evergreen oak woodlands”. Funded by the Portuguese Foundation for Science and Technology – FCT.

“WildGum II – Understanding the processes of naturalization of Eucalyptus globulus in Portugal through the use of remote sensing and genetic markers”. Funded by FEDER (5 institutions from Portugal).

“Sustainable management of natural habitats in Protected Areas”. Collaboration protocol between 3 institutions from Portugal.

“WildGum – A multi-scale approach to study the naturalization of blue gum (Eucalyptus globulus Labill.) in Portugal”. Funded by FCT (3 institutions from Portugal).

“Proforbiomed – Promotion of residual forestry biomass in the Mediterranean Basin”. Funded by the European Commission (18 institutions from 6 countries).

“Fireland - Wildfire effects on the vegetation dynamics at the landscape scale in Portugal”. Funded by FCT (3 institutions from Portugal).

“Firereg - Factors affecting the post-fire natural regeneration variability in Pinus pinaster and Eucalyptus globulus in Portugal: implications for biodiversity and post-fire management”. Funded by the Portuguese Foundation for Science and Technology – FCT (3 institutions from Portugal).

“Fire Paradox - An innovative approach of integrated wildland fire management regulating the wildfire problem by the wise use of fire: solving the fire paradox”. Funded by the European Commission (32 institutions from 12 countries).

“Regional Centre of the European Forest Institute (EFI) Phoenix - Fire ecology and post-fire management”. European Centre (21 institutions from 6 countries).

“Restoration of burned areas”. Funded by IFADAP/FFP. Involving 3 institutions from Portugal.

“Pastoralism and the use of fire in Portugal”. Funded by the Portuguese Forest Authority (AFN) and by the European Commission (4 institutions from Portugal).

“Phoenix – Forest recovery in burned areas”. Funded by FCT (3 institutions from Portugal).

“Resistance of tree species to fire and cumulative effects of herbivory”. Funded by FCT.

“Grinfomed + Medifire – Development and implementation of a joint program between local actors of the regions of the Western Mediterranean arc in the prediction and prevention of large forest fires + Territorial assessment systems and procedures finalized for the 'integrated fight' against forest fires”. Funded by the European Commission (7 institutions from 4 countries).

“Eforwood: tools for sustainability impact assessment of the forestry-wood chain”. Funded by the European Commission (38 institutions from 18 countries).

“Analysis of the National Lookout Towers Network. Forest fire initiative - Project for forest vigilance, forest fire detection and fire fighting support”. Funded by COTEC Portugal. In direct collaboration with INOV (INESC Innovation). Involving several research institutions and enterprises.

“Fireguard - Monitoring forests at the management unit level for fire prevention and control”. Funded by the European Commission (6 institutions from 4 countries).

2002: PORTUGUESE GEOGRAPHIC INSTITUTE (IGP), Centre for Using and Managing Geographic Information (CEGIG). Responsible for the study about the performance of the National Lookout Towers Network and of its influence on the vigilance of wildfires. Production of viewshed cartography for the entire Portuguese mainland (including fire risk mapping).

2000-2002: NATIONAL CENTRE FOR GEOGRAPHIC INFORMATION (CNIG), Coordination Group of the Information Network for Emergency Situations (CRISE). Member of the coordination and research team in the following international and national projects:

“SGIF - Wildfires management information system”;

“Fuego – A space based system for forest fire fighting support”.

1999-2000: NATIONAL FOREST STATION (EFN), Department of Natural Resources Conservation. Member of the research team in the following national projects:

“Modeling biodiversity indicator parameters in maritime pine stands in the Centre and North of Portugal”.

“Production of land cover cartography for the National Tapada de Mafra protected area”.

1996-1999: NATIONAL CENTRE FOR GEOGRAPHIC INFORMATION (CNIG), Forest Department. Member of the research and coordination team in the following projects:

“Geofogo - Simulating wildfires propagation”; co-author of the fire simulation software Geofogo;

“Storms - Silvicultural strategies for predicting damage to forest from wind, fire and snow”;

“Moderis - Fire risk cartography: the human factor in the global risk indices”.

1994-1997: ERENA – NATURAL RESOURCES MANAGEMENT, SA. Member of the research team in the project “Bases for deer (*Cervus elaphus*) management in Portugal”. Responsible for the study on the impacts of different deer populations on the natural regeneration of cork oak forests in southeast Portugal.

Part-time and short-term projects

1996-2003: GESTAMBIENTE – Consultancy on Management, Environment and Informatics, Lda. Member of the technical and directive team.

2003: GENERG – Management and Energy Projects, SA. Worked in a study of environmental impact assessment of a wind farm at Caramulo Mountain.

2002: STRIXPLUS - Consultancy and Management, Lda. Worked in a study of environmental impact assessment of a wind farm at Marão Mountain.

1996: SCHOOL OF AGRICULTURE (ISA), Forestry Department. Worked as a technical assistant in the project “Influence of compass on growth and production of *Eucalyptus globulus* and *Pinus pinaster* plantations within different ecological environments”.

1996: INSTITUTE OF NATURE CONSERVATION (ICN). Worked in a project (LIFE) for monitoring the *Galemys pyrenaicus* distribution in Portugal.

1990-1991: NATIONAL ASSOCIATION OF NATURE CONSERVATION - QUERCUS. Worked as voluntary as coordinator of several environmental education activities.

1989-1990: INFORMATION AND DOCUMENTATION CENTRE AMÍLCAR CABRAL (CIDAC). Worked in the organization of information and documentation from PALOP.

ACADEMIC QUALIFICATIONS

PhD in Forestry and Natural Resources. University of Lisbon - Institute of Agronomy (UL-ISA), 2013. (Approved with very good with distinction; Research Grant from FCT - Portuguese Foundation for Science and Technology, 2010-2012).

Master of Science (MSc) in Science and Geographic Information Systems. Institute of Statistics and Information Management – New University of Lisbon (ISEGI-UNL). UNIGIS - International Universities Network, 2007. (95 ECTS; final grade of 17 out of 20).

First degree (Lic) in Forestry Engineering. School of Agriculture - Polytechnic Institute of Castelo Branco, 2003.

Bachelor (BSc) in Forestry. School of Agriculture - Polytechnic Institute of Castelo Branco, 1996.

PUBLICATIONS

International journals (indexed by Web of Science/Scopus)

Acácio V, Dias FS, Catry FX, Bugalho M, Moreira F (2021). Canopy cover loss of Mediterranean oak woodlands: Long-term effects of management and climate. *Ecosystems*. <https://doi.org/10.1007/s10021-021-00617-9>

Roula SE, Bouhraoua RT, Catry FX (2020). Factors affecting post-fire regeneration after coppicing of cork oak (*Quercus suber* L.) trees in northeast Algeria. *Canadian Journal of Forest Research* 50: 371-379. <https://doi.org/10.1139/cjfr-2019-0181>

Silva V, Catry FX, Fernandes PM, Rego FC, Bugalho MN (2020). Trade-offs between fire hazard reduction and conservation in a mosaic of Natura 2000 shrub-grassland habitat types. *Applied Vegetation Science* 23 (1): 39-52. <https://doi.org/10.1111/avsc.12463>

Moreira F, Ascoli D, Safford H, Adams MA, Moreno JM, Pereira JMC, Catry FX, Armesto J, Bond W, González ME, Curt T, Koutsias N, McCaw L, Price O, Pausas JG, Rigolot E, Stephens S, Tavsanoğlu C, Vallejo VR, Van Wilgen BW, Xanthopoulos G, Fernandes PM (2020). Wildfire management in Mediterranean-type regions: paradigm change needed. *Environmental Research Letters* 15 (1): 011001. <https://doi.org/10.1088/1748-9326/ab541e>

Bellahirech A, Branco M, Catry FX, Bonifácio L, Sousa E, Ben Jamâa ML (2019). Site- and tree-related factors affecting colonization of cork oaks *Quercus suber* L. by ambrosia beetles in Tunisia. *Annals of Forest Science* 76 (2): 45. <https://doi.org/10.1007/s13595-019-0815-1>

Deus E, Silva JS, Larcombe MJ, Catry FX, Queirós L, dos Santos P, Matias H, Águas A, Rego FC (2019). Investigating the invasiveness of *Eucalyptus globulus* in Portugal: site-scale

drivers, reproductive capacity and dispersal potential. *Biological Invasions* 21 (6), 2027-2044. <https://doi.org/10.1007/s10530-019-01954-6>

Silva V, Catry FX, Fernandes PM, Rego FC, Paes AP, Nunes L, Caperta AD, Sérgio C, Bugalho MN (2019). Effects of grazing on plant composition, conservation status and ecosystem services of Natura 2000 shrub-grassland habitat types. *Biodiversity and Conservation* 28 (5), 1205-1224. <https://doi.org/10.1007/s10531-019-01718-7>

Lecomte X, Caldeira MC, Catry FX, Fernandes PM, Jackson RB, Bugalho MN (2019). Ungulates mediate trade-offs between carbon storage and wildfire hazard in Mediterranean oak woodlands. *Journal of Applied Ecology* 56 (3), 699-710. <https://doi.org/10.1111/1365-2664.13310>

Catry FX, Branco M, Sousa E, Caetano J, Naves P, Nóbrega F (2017). Presence and dynamics of ambrosia beetles and other xylophagous insects in a Mediterranean cork oak forest following fire. *Forest Ecology and Management* 404, 45-54. <https://doi.org/10.1016/j.foreco.2017.08.029>

Acácio V, Dias F, Catry FX, Rocha M, Moreira F (2017). Landscape dynamics in Mediterranean oak forests under global change: understanding the role of anthropogenic and environmental drivers across forest types. *Global Change Biology* 23 (3), 1199-1217. <https://doi.org/10.1111/gcb.13487>

Deus E, Silva JS, Catry FX, Rocha M, Moreira F (2016). Google Street View as an alternative method to car surveys in large-scale vegetation assessments. *Environmental Monitoring and Assessment* 188 (10), 560. <https://doi.org/10.1007/s10661-016-5555-1>

Madoui A, Catry FX, Kaabeche M (2016). Wildfire effects on *Pinus halepensis* Mill. plantations in a semi-arid region of north-eastern Algeria. A case study of Zenadia forest, Sétif. *Ecologia Mediterranea* 42, 79-92. ISSN 1775-4100

Catry FX, Moreira F, Deus E, Silva JS, Águas A (2015). Assessing the extent and the environmental drivers of *Eucalyptus globulus* wildling establishment in Portugal – results from a countrywide survey. *Biological Invasions* 17 (11), 3163-3181. <https://doi.org/10.1007/s10530-015-0943-y>

Silva JS, Catry FX, Moreira F, Bugalho M (2015). The effects of deer exclusion on the development of a Mediterranean plant community affected by a wildfire. *Restoration Ecology* 23 (6), 760-767. <https://doi.org/10.1111/rec.12242>

Silva JS, Catry FX, Moreira F, Lopes T, Forte T, Bugalho M (2014). Impact of deer on the post-fire recovery of a Mediterranean plant community in Central Portugal. *Journal of Forest Research* 19 (2), 276-284. <https://doi.org/10.1007/s10310-013-0415-0>

Catry FX, Moreira F, Tujeira R, Silva JS (2013). Post-fire survival and regeneration of *Eucalyptus globulus* in forest plantations in Portugal. *Forest Ecology and Management* 310, 194-203. <https://doi.org/10.1016/j.foreco.2013.08.036>

- Catry FX, Pausas JG, Moreira F, Fernandes PM, Rego F (2013). Post-fire response variability in Mediterranean Basin tree species in Portugal. *International Journal of Wildland Fire* 22 (7), 919-932. <https://doi.org/10.1071/WF12215>
- Rego F, Catry FX, Montiel C, Karlsson O (2013). Influence of territorial variables on the performance of wildfire detection systems in the Iberian Peninsula. *Forest Policy and Economics* 29, 26-35. <https://doi.org/10.1016/j.forpol.2012.11.007>
- Moreira F, Ferreira A, Abrantes N, Catry F, Fernandes P, Roxo L, Keizer J, Silva J (2013). Occurrence of native and exotic invasive trees in burned pine and eucalypt plantations: implications for post-fire forest conversion. *Ecological Engineering* 58, 296-302. <https://doi.org/10.1016/j.ecoleng.2013.07.014>
- Catry FX, Moreira F, Pausas JG, Fernandes PM, Rego F, Cardillo E, Curt T (2012). Cork oak vulnerability to fire: the role of bark harvesting, tree characteristics and abiotic factors. *PLOS ONE* 7 (6): e39810. <https://doi.org/10.1371/journal.pone.0039810>
- Silva JS, Vaz P, Moreira F, Catry FX, Rego FC (2011). Wildfires as a major driver of landscape dynamics in three fire-prone areas of Portugal. *Landscape and Urban Planning* 101 (4), 349-358. <https://doi.org/10.1016/j.landurbplan.2011.03.001>
- Catry FX, Rego F, Moreira F, Fernandes PM, Pausas, JG (2010). Post-fire tree mortality in mixed forests of central Portugal. *Forest Ecology and Management* 260 (7), 1184-1192. <https://doi.org/10.1016/j.foreco.2010.07.010>
- Moreira F, Catry FX, Rego F, Bacao F (2010). Size-dependent pattern of wildfire ignitions in Portugal: when do ignitions turn into big fires? *Landscape Ecology* 25 (9), 1405-1417. <https://doi.org/10.1007/s10980-010-9491-0>
- Catry FX, Rego FC, Bação FL, Moreira F (2009). Modelling and mapping wildfire ignition risk in Portugal. *International Journal of Wildland Fire* 18 (8), 921-931. <https://doi.org/10.1071/WF07123>
- Catry FX, Moreira F, Duarte I, Acácio V (2009). Factors affecting post-fire crown regeneration of cork oak (*Quercus suber*) trees. *European Journal of Forest Research* 128 (3), 231-240. <https://doi.org/10.1007/s10342-009-0259-5>
- Moreira F, Catry F, Duarte I, Acácio V, Silva J (2009). A conceptual model of sprouting responses in relation to fire damage: an example with cork oak (*Quercus suber* L.) trees in Southern Portugal. *Plant Ecology* 201 (1), 77-85. <https://doi.org/10.1007/s11258-008-9476-0>
- Moreira F, Catry F, Lopes T, Bugalho M, Rego F (2009). Comparing survival and size of resprouts and planted trees for post-fire forest restoration in central Portugal. *Ecological Engineering* 35 (5), 870-873. <https://doi.org/10.1016/j.ecoleng.2008.12.017>

Moreira F, Vaz P, Catry FX, Silva JS (2009). Regional variations in wildfire preference for land cover types in Portugal: implications for landscape management to minimize fire hazard. *International Journal of Wildland Fire* 18 (5), 563-574. <https://doi.org/10.1071/WF07098>

Silva JS, Moreira F, Vaz P, Catry FX, Godinho-Ferreira P (2009). Assessing the relative fire proneness of different forest types in Portugal. *Plant biosystems* 143 (3), 597-608. <https://doi.org/10.1080/11263500903233250>

Moreira F, Duarte I, Catry F, Acácio V (2007). Cork extraction as a key factor determining post-fire cork oak survival in a mountain region of southern Portugal. *Forest Ecology and Management* 253 (1-3), 30-37. <https://doi.org/10.1016/j.foreco.2007.07.001>

Rego FC, Catry FX (2006). Modelling the effects of distance on the probability of fire detection from lookouts. *International Journal of Wildland Fire* 15 (2), 197-202. <https://doi.org/10.1071/WF04016>

Silva JS, Catry FX (2006). Forest fires in cork oak (*Quercus suber* L.) stands in Portugal. *International Journal of Environmental Studies* 63 (3), 235-257. <https://doi.org/10.1080/00207230600720829>

Catry FX, Rego FC, Bugalho MN, Lopes T, Silva JS, Moreira F (2006). Effects of fire on tree survival and regeneration in a Mediterranean ecosystem. *Forest Ecology and Management* 234S, 197. <https://doi.org/10.1016/j.foreco.2006.08.316>

Canyameres E, Castro FX, Galante M, Rosello G, Marchetti M, Ferrer N, Dias S, Sambucini V, Picard C, Giroud F, Tudela T, Russo F, Barichello R, Sorbi S, Cruz M, Catry FX, Pinho JR, Buhours S, Moyà J, Montserrat D, Gabriel E, Munafò M, Federici S, Bottai L, Ortolani A, Strecht I, Segarra M (2006). GRINFOMED+MEDIFIRE, a project for the prevention of large forest fires in the Mediterranean. *Forest Ecology and Management* 234S, 50. <https://doi.org/10.1016/j.foreco.2006.08.071>

Catry FX, Almeida RM, Rego FC (2004). Produção de cartografia de visibilidades para Portugal continental. A importância da sua utilização na vigilância contra incêndios florestais. *Silva Lusitana* 12 (2), 227-241. ISSN 0870-6352 (in Portuguese)

Vasconcelos MJP, Gonçalves A, Catry FX, Paúl JU, Barros F (2002). A working prototype of a dynamic geographical information system. *International Journal of Geographical Information Science* 16 (1), 69-91. <https://doi.org/10.1080/13658810110095048>

Papers in other journals

Catry FX, Respício J, Branco M (2020). Monitoring ambrosia beetle species in cork oak trees in central Portugal. *IOBC-WPRS Bulletin* 152: 49-50. ISBN 978-92-9067-337-8

Catry FX (2019). Cork oak, forest management and fire. *Geia*, 1, 19-24. ISSN 2184-4437

Rego F, Catry FX, Duarte I (2014). Utilizar a floresta antes que arda. *Ingenium*, 140, 72-74. ISSN 0870-5968 (in Portuguese)

Catry FX, Vasconcelos MJP, Gonçalves A, Paúl JU, Baptista M (1999). Simulação de fogos florestais – Base para um sistema geo-temporal. *Ingenium*, II Série, 40, 92-98. ISSN 0870-5968 (in Portuguese)

Books (editor)

Moreira F, Catry FX, Silva JS, Rego F (Eds.) (2010). Ecologia do fogo e gestão de áreas ardidas (Fire ecology and management of burned areas). ISA Press, Lisbon. ISBN: 978-972-8669-48-5 (in Portuguese)

Book chapters

Catry FX, Moreira F, Cardillo E, Pausas JG (2012). Post-fire management of cork oak forests. In: Moreira F, Arianoutsou M, Corona P, De las Heras J, (Eds.) Post-fire management and restoration of European forests. *Managing Forest Ecosystems*, Vol. 24, pp. 195-222. Springer. <https://doi.org/10.1007/978-94-007-2208-8>

Catry FX, Silva JS, Fernandes P (2010). Fire effects on vegetation. In: Moreira F, Catry FX, Silva JS, Rego F (Eds.) Fire ecology and management of burned areas. ISA Press, Lisbon, pp. 49-86. ISBN: 978-972-8669-48-5 (in Portuguese)

Catry FX, Bugalho M, Silva JS, Fernandes P (2010). Post-fire vegetation management. In: Moreira F, Catry FX, Silva JS, Rego F (Eds.) Fire ecology and management of burned areas. ISA Press, Lisbon, pp. 289-327. ISBN: 978-972-8669-48-5 (in Portuguese)

Silva JS, Fernandes P, Catry FX, Moreira F, Rego F (2010). Fire danger, incidence and severity in the Portuguese forests. In: Moreira F, Catry FX, Silva JS, Rego F (Eds.) Fire ecology and management of burned areas. ISA Press, Lisbon, pp. 167-190. ISBN: 978-972-8669-48-5 (in Portuguese)

Catry FX, Rego FC, Silva JS, Moreira F, Camia A, Ricotta C, Conedera M (2010). Fire starts and human activities. In: Silva JS, Rego F, Fernandes P, Rigolot E (Eds.) Towards integrated fire management – outcomes of the European project Fire Paradox. European Forest Institute Research Report 23, pp. 9-22. EFI, Joensuu. ISBN: 970-952-5453-48-5

Moreira F, Catry F, Duarte I, Acácio V, Silva J (2009). A conceptual model of sprouting responses in relation to fire damage: An example with cork oak (*Quercus suber* L.) trees in Southern Portugal. In: van der Valk, Arnold (Ed.) *Forest Ecology: Recent Advances in Plant Ecology*, pp. 77-85. Springer. <https://doi.org/10.1007/978-90-481-2795-5>

Capelo J, Catry F (2007). The distribution of Portuguese oak in Portugal. In: Silva JS (Coord. Ed.) *The oak stands – A patrimony to preserve*, Vol. 2, pp. 83-94. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-099-6 (in Portuguese)

Capelo J, Catry F (2007). The distribution of pedunculate oak in Portugal. In: Silva JS (Coord. Ed.) *The oak stands – A patrimony to preserve*. Vol. 2, pp. 249-255. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-099-6

Capelo J, Catry F (2007). The distribution of cork oak in Portugal. In: Silva JS (Coord. Ed.) *The cork oak and holm oak montados – Much more beyond the trees*, Vol. 3, pp. 107-113. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-100-9

Capelo J, Catry F (2007). Biology, ecology and distribution of holm oak. In: Silva JS (Coord. Ed.) *The cork oak and holm oak montados – Much more beyond the trees*, Vol. 3, pp. 119-129. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-100-9

Aguiar C, Capelo J, Catry F (2007). The distribution of the pine stands in Portugal. In: Silva JS (Coord. Ed.) *Pine and eucalyptus stands – The cultivated forest*, Vol. 4, pp. 89-104. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-101-6

Silva JS, Sequeira E, Catry F, Aguiar C (2007). The inconveniences of eucalyptus stands. In: Silva JS (Coord. Ed.) *Pine and eucalyptus stands – The cultivated forest*, Vol. 4, pp. 221-259. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-101-6

Capelo J, Catry F (2007). The distribution of chestnut in Portugal. In: Silva JS (Coord. Ed.) *From chestnut to yew tree – The other forest species*, Vol. 5, pp. 79-86. *Trees and Forests of Portugal*. Público/ FLAD/ LPN, Lisbon. 9 vols. ISBN: 978-989-619-102-3

Papers and abstracts in conference proceedings

Catry FX, Respício J, Branco M (2019). Monitoring the presence of different ambrosia beetle species in cork oak trees in central Portugal. In: Abstract Book of the 9th Meeting of the IOBC-WPRS working group ‘Integrated Protection in Oak Forests’, 27, Oeiras, Portugal. (oral presentation)

Henriques J, Silva AC, Bragança H, Sousa E, Catry FX (2019). Fungi associated with the insect *Xyleborus monographus* in cork oak stands in Portugal. In: Abstract Book of the 9th Meeting of the IOBC-WPRS working group ‘Integrated Protection in Oak Forests’, 37, Oeiras, Portugal.

Acácio V, Dias FS, Catry FX, Bugalho M, Moreira F (2018). Long-term canopy cover dynamics shows decreased resilience of evergreen oak woodland landscapes in Portugal. In: Botequilha-Leitão A, Duarte IM, Gomes da Silva P, Fernandes J et al. (Eds.) *Book of Abstracts IV Iberian Conference on Landscape Ecology. Landscape as model and infrastructure for societies’ adaptation to global change*, 6-49, Universidade do Algarve, Faro, Portugal. (oral presentation; in Portuguese)

Catry FX, Branco M, Sousa E, Moreira F, Rego F, Cardoso M (2017). Presença e dinâmicas de insectos xilófagos em povoamentos florestais de sobreiro: efeitos do fogo e implicações para a gestão. In: *Livro de Resumos do Seminário Pragas e Doenças Emergentes em Sistemas*

Florestais, 23-26. Instituto Superior de Agronomia. Lisboa, Portugal. (invited oral presentation)

Silva V, Bugalho MN, Catry FX, Rego FC (2017). Efeitos da gestão por fogo controlado em habitats da Rede Natura 2000. In: Livro de Resumos do VIII Congresso Florestal Nacional, 28. SPCF, Viana do Castelo, Portugal. (oral presentation)

Catry FX, Branco M, Cardoso M, Inácio V, Caetano J, Castanheira I, Rafael A, Sousa E (2016). Bark and wood borer insects in cork oak forests after wildfire. In: Book of Abstracts of the World Congress Silvopastoral Systems 2016, 119. Évora, Portugal. (oral presentation)

Acácio V, Dias FS, Catry FX, Moreira F (2016). Landscape dynamics in Mediterranean oak forests under global change: the role of anthropogenic and environmental drivers across species. In: Book of Abstracts of the World Congress Silvopastoral Systems 2016, 34. Évora, Portugal. (oral presentation)

Silva V, Bugalho MN, Catry FX, Nunes L, Caperta AD, Sérgio C, Rego FC (2016). Effects of grazing on plant species composition of Natura 2000 grassland and shrubland habitat types of Central Portugal. In: Book of Abstracts of the 13th Eurasian Grassland Conference, 58. Sighișoara, Romania.

Catry FX (2015). Modelling post-fire tree responses in western Mediterranean Basin forests. In: Abstracts of the 6th International Fire Ecology and Management Congress - Advancing Ecology in Fire Management. San Antonio-Texas, USA. (oral presentation)

Acácio V, Moreira F, Dias F, Catry FX (2015). Landscape dynamics in Mediterranean oak forests under global change: disentangling the role of anthropogenic and environmental drivers across species. In: Abstracts of TiBE 2015 - Global Biodiversity Change - From Genes to Ecosystems. Vairão, Portugal. (oral presentation)

Catry FX, Moreira F, Deus E, Silva JS (2014). Assessing the presence of exotic eucalypt wildlings in Portuguese landscapes. In: *Abstracts of the International Conference on Mediterranean Ecosystems - Medecos XIII*, 53. Olmué, Chile. (oral presentation)

Catry FX, Moreira F, Rego F, Branco M, Sousa E (2014). Fire-induced bark beetle attacks in Mediterranean cork oak forests: which factors drive host selection? In: *Abstracts of the International Conference on Mediterranean Ecosystems - Medecos XIII*, 117. Olmué, Chile.

Paiva R, Gomes AA, Catry FX (2013). Tapada Nacional de Mafra, um caso de sucesso no restauro do coberto florestal em áreas ardidas. In: Bento J, Lousada J, Teixeira A (Eds.) *Resumos do 7º Congresso Florestal Nacional: 224*. SPCF, Vila Real/Bragança, Portugal. (oral presentation)

Catry FX, Moreira F, Pausas JG, Fernandes PM, Rego FC, Cardillo E, Curt T (2011). Management of cork oak ecosystems: increasing tree resilience or vulnerability to fire? In: *Abstracts of the International Conference on Mediterranean Ecosystems - Medecos XII*, 36. Los Angeles, USA. (oral presentation)

Catry FX, Pausas JG, Fernandes PM, Rego FC, Moreira F (2011). Predicting post-fire tree mortality and regeneration to help management decisions. In: *Abstracts of the International Conference on Mediterranean Ecosystems - Medecos XII*, 188. Los Angeles, USA.

Catry FX, Fernandes PM, Pausas JG, Rego FC, Moreira F (2011). Modelling post-fire mortality of Mediterranean pines. In: *Abstract Book of the 4th International Conference on Mediterranean Pines - Medpine4*, 134. Avignon, France.

Dias S, Rego FC, Catry F, Guerrero C, Portela C (2010). Fuel moisture content in Mediterranean woody species throughout the year. In: Viegas DX (Ed.) *Abstracts of the VI International Conference on Forest Fire Research*, 81. ADAI/CEIF, University of Coimbra, Portugal.

Madoui A, Catry F (2010). Post fire regeneration of *Pinus halepensis* Mill. reforestation in the region of Setif, Algeria. In: Viegas DX (Ed.) *Abstracts of the VI International Conference on Forest Fire Research*, 263. ADAI/CEIF, University of Coimbra, Portugal.

Silva JS, Vaz P, Moreira F, Catry F, Rego F (2010). Assessing fire-driven landscape dynamics in Portugal. In: Viegas DX (Ed.) *Abstracts of the VI International Conference on Forest Fire Research*, 269. ADAI/CEIF, University of Coimbra, Portugal.

Catry FX, Rego FC, Moreira F, Bação F (2008). Characterizing and modelling the spatial patterns of wildfire ignitions in Portugal: fire initiation and resulting burned area. In: de las Heras J, Brebbia CA, Viegas D, Leone V (Eds.) *International Conference on Modelling, Monitoring and Management of Forest Fires*. WIT Press, Vol. 119, 213-221, Toledo, Spain. (invited oral presentation)

Catry FX, Moreira F, Lopes T (2008). Fire effects on cork oak (*Quercus suber*): predicting crown regeneration vitality to help post-fire management decisions. *Abstracts of the Phoenix Workshop 'Fire effects and post-fire restoration: Lessons learned from large fires'*, pp: 9. Centre Phoenix, Lisboa, Portugal.

Rego FC, Catry FX, Moreira F, Lopes T (2008). Factors affecting crown regeneration after fire in broadleaved species. *Abstracts of the Phoenix Workshop 'Fire effects and post-fire restoration: Lessons learned from large fires'*, Centre Phoenix, Lisboa, Portugal.

Moreira F, Catry FX, Lopes T (2008). Comparing growth and survival of resprouts and planted trees for post-fire forest restoration in central Portugal. *Abstracts of the Phoenix Workshop 'Fire effects and post-fire restoration: Lessons learned from large fires'*, pp: 20. Centre Phoenix, Lisboa, Portugal.

Moreira F, Vaz P, Catry FX, Silva JS (2008). Regional variations in wildfire preference for land cover types in the Mediterranean region: how to manage forest landscapes to minimize fire hazard. *Abstracts of the EFI Annual Conference and Scientific Seminar 'Adaptation of Forest Landscape to Environmental Changes'*, S1-OP7. Orvieto, Italy.

Catry FX, Rego F, Bugalho M, Lopes T, Silva J, Moreira F (2007). Post-fire tree mortality and regeneration in a mixed forest: evaluating the cumulative impacts of herbivory. In: Rokich D, Wardell-Johnson Yates C, Stevens J, Dixon K, McLellan R, Moss G (Eds.) *Proceedings of the International Mediterranean Ecosystems Conference - Medecos XI*, pp: 45-46. Kings Park and Botanic Garden, Perth, Australia.

Catry FX, Bugalho M, Lopes T, Rego FC, Moreira F (2007). Post-fire effects of ungulates on the structure, abundance and diversity of the vegetation in a Mediterranean Ecosystem. In: Rokich D, Wardell-Johnson Yates C, Stevens J, Dixon K, McLellan R, Moss G (Eds.)

Proceedings of the International Mediterranean Ecosystems Conference - Medecos XI, pp: 43-44. Kings Park and Botanic Garden, Perth, Australia.

Catry FX, Rego FC, Santos T, Almeida J, Relvas P (2007). Forest fires prevention in Portugal - Using GIS to help improving early fire detection effectiveness. *Proceedings of the 4th International Wildland Fire Conference*. CD Rom (12 pp.). Seville, Spain.

Catry FX, Damasceno P, Silva JS, Galante M, Moreira F (2007). Spatial distribution patterns of wildfire ignitions in Portugal. *Proceedings of the 4th International Wildland Fire Conference*. CD Rom (10 pp.). Seville, Spain.

Almeida PJ, Relvas P, Silva L, Catry FX, Rego FC, Santos T (2007). Portuguese lookout towers network optimization using automatic positioning algorithms. *Proceedings of the 4th International Wildland Fire Conference*. CD Rom (10 pp.). Seville, Spain.

Moreira F, Vaz P, Catry F, Silva JS (2007). Regional variations in wildfire preference for land cover types in Portugal: implications for landscape management to minimize fire hazard. *Proceedings of the 4th International Wildland Fire Conference*. CD Rom (1 pp.). Seville, Spain.

Catry FX, Rego FC, Bugalho MN, Lopes T, Silva JS, Moreira F (2006). Effects of fire on tree survival and regeneration in a Mediterranean ecosystem. In: Viegas DX (Ed.); *Proceedings of the 5th International Conference on Forest Fire Research*. CD Rom (6 pp.). ADAI, Figueira da Foz, Portugal.

Catry FX (2006). Fire effects on vegetation. *Abstracts of the Iberian Seminar 'Fire ecology: from forest fires to prescribed burning'*. TNM - ISA, Mafra, Portugal. (invited oral presentation; in Portuguese)

Moreira F, Acácio V, Catry F (2006). The effects of fire on cork oak. *Abstracts of the Seminar 'The vitality of Cork Oak and Holm Oak stands – Current situation, state of knowledge and actions to take'*. DGRF - FAO - WWF, Évora. (invited oral presentation)

Moreira F, Duarte I, Duarte R, Catry F, Acácio V (2006). Factors that affected the post fire mortality of cork oak at Caldeirão mountains. *Abstracts of the Iberian Seminar 'Desertification: Climate, Soil Erosion and Fire'*. ISDA - SCD, Loulé, Portugal. (invited oral presentation; in Portuguese)

Catry FX (2005). Using geographical information systems for planning and managing forest fires vigilance. *Abstracts of the Conference 'Forest Fires – a National Problem'*: 202-216. IPCB, Castelo Branco, Portugal. (invited oral presentation; in Portuguese)

Silva JS, Catry F, Loureiro C, Lopes F, Moreira F, Rego F, Botelho H, Keizer JJ, Coelho C, Ferreira AD, Pinho R (2005). PHOENIX – Forest recovery in burned areas. (POCTI/AGR/58896/2004). In: Silva R, Páscoa F (Eds.) *Abstracts of the 5th National Forest Conference*: CD Rom (8 pp.). SPCF, Viseu, Portugal. (in Portuguese)

Rego F, Catry F, Relvas P, Almeida J (2005). Analysis of some factors affecting the efficacy of forest fire detection from the National Lookout Towers Network. In: Silva R, Páscoa F (Eds.) *Abstracts of the 5th National Forest Conference*: 249. SPCF, Viseu, Portugal. (in Portuguese)

Relvas P, Almeida J, Rego F, Catry F (2005). Study for the implementation of a forest video-vigilance system in Viseu. *In: Silva R, Páscoa F (Eds.) Abstracts of the 5th National Forest Conference: CD Rom (8 pp.)*. SPCF, Viseu, Portugal. (in Portuguese)

Banninger C, Coelho CO, Ferreira AJ, Hogg J, Xanthopoulos G, Rego FC, Botelho HS, Rodrigues JM, Catry F, Fernandes P, Galante M, Lopes FP, Loureiro C (2005). Fireguard: Monitoring forests at the management unit level for fire prevention and control. *In: Silva R, Páscoa F (Eds.) Abstracts of the 5th National Forest Conference: CD Rom (9 pp.)*. SPCF, Viseu, Portugal. (in Portuguese)

Dias S, Moreira F, Beja P, Carvalho M, Catry F, Gordinho L, Oliveira V, Borrvalho R, Reino L, Rego F, Gonçalves D (2004). The role of landscape heterogeneity in determining relative abundance and distribution patterns of turtle doves (*Streptopelia turtur*) in Portugal. *Abstracts book of the Symposium 'A landscape perspective on Mediterranean vertebrate ecology': 27*. Montpellier, France.

Vasconcelos MJP, Catry F, Gonçalves A, Uva JS (2001). Application of Geofogo in central Portugal. *In: Bento J, Botelho H (Eds.) Proceedings of the Workshop 'Tools and Methodologies for Fire Danger Mapping': 90-105*. UTAD, Vila Real, Portugal.

Catry FX (1999). Impact of different deer (*Cervus elaphus*) densities on cork oak (*Quercus suber*) natural regeneration: a factor to consider in the management of Protected Areas. *In: Instituto da Conservação da Natureza (Ed.) Abstracts of the IV National Conference on Protected Areas: 189*. ICN, Lisboa, Portugal. (in Portuguese)

Vasconcelos MJP, Paúl JU, Silva S, Pereira JMC, Caetano MS, Catry FX, Oliveira TM (1998). Regional fuel mapping using a knowledge based system approach. *In: Viegas, D.X. (Ed.) Proceedings of the III International Conference on Forest Fire Research – 14th Conference on Fire and Forest Meteorology, Vol. II: 2111-2123*. ADAI, Luso, Portugal.

Catry F, Queirós F (1995). Preliminary analysis of deer (*Cervus elaphus*) impact on cork oak (*Quercus suber*) natural regeneration at Vila Viçosa Tapada. *In: Erena (Ed.) Abstracts book of the II Iberian Conference on Game Sciences: 15*. Erena, Estoril, Portugal. (oral presentation) (in Portuguese)

Technical and scientific reports

Catry FX, Rego FC (2013). Assessing the impact of forest biomass extraction on wildfire hazard in the Mediterranean. PROFORBIOMED WP4 - Assessment of the environmental impact of forest biomass harvesting and extraction, Final Report, 93 pp.

Catry FX (2013). Fire effects on forest species in Mediterranean Basin ecosystems: ecology and management. PhD Thesis in Forestry and Natural Resources, UTL-ISA, Lisboa.

Catry F, Bugalho M, Silva J (2007). Forest recovery after wildfires. The case of Tapada Nacional de Mafra. 36 pp. CEABN-ISA, Lisboa. (small book) (in Portuguese)

Catry FX (2007). Modelling the spatial distribution of fire ignition risk in Portugal. Master Thesis in Science and Geographic Information Systems. UNL – ISEGI, Lisboa. (19/20). (in Portuguese and English)

Catry FX (2002). Study of the visibility from lookouts and of its influence on the vigilance of forest fires. First Degree Thesis in Forestry. IPCB – ESA, Castelo Branco. (18/20). (in Portuguese)

Catry F, Almeida R, Abreu J (2000). FUEGO – A space based system for forest fire fighting support. Project Report. CNIG, National Centre of Geographic Information, Lisboa.

Presentations without publication

Catry FX (2018). O sobreiro e o fogo: o que esperar após um incêndio. Conferência: Montado de sobro: meia hora sobre. FICOR – Feira Internacional da Cortiça. Coruche, Portugal. (invited oral presentation)

Catry FX (2017). Dinâmicas na recuperação de povoamentos florestais de sobreiro após incêndio. Workshop: O papel da gestão agroflorestal na prevenção e recuperação pós-fogo em montados. Grândola, Portugal. (invited oral presentation)

Rego FC, Catry FX (2017). Effects of fire and forest management in cork oak forest stands - Herdade dos Concelhos. EcoHCC17 - 4th International Conference on Ecohydrology, Soil and Climate Change. Figueira da Foz, Portugal. (invited oral presentation)

Catry FX, Rego F (2013). Assessing the effect of biomass extraction on fire hazard. II International Seminar on Valorization of Local Resources. Loulé, Portugal. (invited oral presentation)

Training courses

Invited trainer in the 'Course on sustainable forest management in cork oak and holm oak stands: Post-fire management of cork oak and holm oak stands' organized by the Institute for Nature and Forest Conservation (ICNF, I.P.) under the Interreg Project ProDehesa Montado. June 2019, Gavião, Portugal.

INTERNATIONAL SCIENTIFIC MISSIONS

CSIRO - Commonwealth Scientific and Industrial Research Organization, Australia. Research work funded by the European Union - Marie Currie Action. Tranzfor Programme - Transferring Research between EU and Australia-New Zealand on Forestry and Climate Change (Canberra and Darwin - Tropical Ecosystems Research Centre; Jan.-Apr. 2010).

SCION - New Zealand Forest Research Institute, New Zealand. Research work funded by the European Union - Marie Currie Action. Tranzfor Programme - Transferring Research between EU and Australia-New Zealand on Forestry and Climate Change (Christchurch; Apr. 2010).

CIDE - Centro de Investigaciones Sobre Desertificación, Spain. Research work funded by the European Union - COST Action FP0701. Post-Fire Forest Management in Southern Europe. Assessing and modelling post-fire resistance of several Southern European tree species (Valencia; Apr.-May 2009).

SCHOLARSHIPS, GRANTS, PRIZES AND AWARDS

2019: TopTen award from the **Association for the Development of the School of Agriculture (ADISA)**, awarded to the 10 outstanding members in 2019.

2014-2019: Post-doctoral grant from the **Portuguese Foundation for Science and Technology (FCT)**.

2017: TopTen award from the **Association for the Development of the School of Agriculture (ADISA)**, awarded to the 10 outstanding members in 2017.

2016: ‘Dryland Champions 2016’ distinction awarded by the **United Nations Convention to Combat Desertification (UNCCD)** to the project ‘Effects of fire and forest management in cork oak forest stands’.

2015: Grant from the **Luso-American Development Foundation (FLAD)** for presenting an oral communication in Texas, USA.

2013-2014: Post-doctoral grant from the **School of Agriculture, University of Lisbon (ISA-UL)**.

2010-2012: Doctoral grant from the **Portuguese Foundation for Science and Technology (FCT)**.

1997-1999: Science grant from the **Portuguese Foundation for Science and Technology (FCT)**.

FACULTY MANAGEMENT BODIES

2021-Present: Member of the Quality Council of the School of Agriculture, University of Lisbon.

2019-Present: Effective Member of the Scientific Council of the School of Agriculture, University of Lisbon.

SCIENTIFIC REVIEWER

Scientific evaluation work (by invitation) for:

Central Finance and Contracting Agency (CFCA), Republic of Latvia – Evaluator of international research projects co-financed by the European Regional Development Fund;

Portuguese Foundation for Science and Technology (FCT), Portugal - Evaluator of proposals under research projects in the scientific bilateral cooperation program;

University of Turin, Italy – Evaluator of international research projects.

Peer review work (by invitation) for more than 40 scientific international journals:

- ***Science of the Total Environment*** (ISSN 0048-9697). Elsevier Scientific Publishing Company, The Netherlands;
- ***Environmental Research Letters*** (ISSN 1748-9326). IOP Publishing, United Kingdom;
- ***Journal of Environmental Management*** (ISSN 1095-8630). Elsevier Scientific Publishing Company, The Netherlands;
- ***Phytopathology*** (ISSN 0031-949X). The American Phytopathological Society, USA;
- ***Oecologia*** (ISSN 1432-1939). Springer Berlin Heidelberg, Germany;
- ***Forest Ecology and Management*** (ISSN 0378-1127). Elsevier Scientific Publishing Company, The Netherlands;
- ***International Journal of Wildland Fire*** (ISSN 1049-8001). CSIRO Publishing, Australia;
- ***Progress in Physical Geography*** (ISSN 0309-1333). SAGE Publishing, USA;
- ***PLOS ONE*** (ISSN 1932-6203). PLOS, Public Library of Science, USA;
- ***Journal of Vegetation Science*** (ISSN 1654-1103). International Association for Vegetation Science, Wiley Publishing, USA;
- ***Remote Sensing*** (ISSN 2072-4292). Multidisciplinary Digital Publishing Institute, Switzerland;
- ***Remote Sensing Letters*** (ISSN 2150-7058). Remote Sensing and Photogrammetry Society, Taylor & Francis Publishing, UK;
- ***Ecological Indicators*** (ISSN 1470-160X). Elsevier Scientific Publishing Company, The Netherlands;
- ***Applied Geography*** (ISSN 0143-6228). Elsevier Scientific Publishing Company, The Netherlands;
- ***Land*** (ISSN 2073-445X). Multidisciplinary Digital Publishing Institute, Switzerland;
- ***International Journal of Disaster Risk Reduction*** (ISSN: 2212-4209). Elsevier Scientific Publishing Company, The Netherlands;
- ***Plants*** (ISSN 2223-7747). Multidisciplinary Digital Publishing Institute, Switzerland;
- ***Applied Sciences*** (ISSN 2076-3417). Multidisciplinary Digital Publishing Institute, Switzerland;
- ***Pedobiologia - Journal of Soil Ecology*** (ISSN 0031-4056). Elsevier Scientific Publishing Company, The Netherlands;
- ***Fire Ecology*** (ISSN 1933-9747). Association for Fire Ecology, Springer Open, USA;
- ***Canadian Journal of Forest Research*** (ISSN 1208-6037). Canadian Science Publishing, Canada;
- ***European Journal of Forest Research*** (ISSN 1612-4677). Springer Science+Business Media, Germany;
- ***Fire*** (ISSN 2571-6255). Multidisciplinary Digital Publishing Institute, Switzerland;
- ***Risk Analysis: an International Journal*** (ISSN 1539-6924). Society for Risk Analysis, Blackwell Publishing, USA;
- ***Trees - Structure and Function*** (ISSN 1432-2285). Springer Science+Business Media;
- ***Forestry: An International Journal of Forest Research*** (ISSN 1464-3626). Oxford Journals, UK;
- ***Annals of Forest Science*** (ISSN 1297-966X). Springer Science+Business Media;
- ***iForest*** (ISSN 1971-7458). Italian Society of Silviculture and Forest Ecology, Italy;
- ***Land Degradation & Development*** (ISSN 1099-145X). Wiley Online Library, USA;

- *Natural Hazards and Earth System Sciences* (ISSN 1561-8633). An Interactive Open Access Journal of the European Geosciences Union, Germany;
- *Acta Oecologica* (ISSN 1146-609X). Elsevier Scientific Publishing Company, The Netherlands;
- *International Forestry Review* (ISSN 2053-7778). Commonwealth Forestry Association, UK;
- *Energies* (ISSN 1996-1073). Multidisciplinary Digital Publishing Institute, Switzerland;
- *South African Journal of Botany* (ISSN 0254-6299). Elsevier Scientific Publishing Company, The Netherlands;
- *Forests - Open Access* (ISSN 1999-4907). MDPI – Open Access Publishing, Switzerland;
- *Anais da Academia Brasileira de Ciências* (ISSN 0001-3765). Brazilian Academy of Sciences, Brazil;
- *Journal of Mountain Science* (ISSN 1993-0321). Science Press, Beijing + Springer, The Netherlands;
- *Journal of Forestry Research* (ISSN 1993-0607). Springer Science+Business Media, China;
- *Ecologia Balkanica* (ISSN 1313-9940). Union of Scientists Plovdiv, Bulgaria;
- *Journal of Forest Science* (ISSN 1805-935X). Czech Academy of Agricultural Sciences, Czech Republic;
- *Annals of Silvicultural Research* (ISSN: 2284-354X). CREA - Research Centre for Forestry and Wood, Italy;
- *Acta Ecologica Sinica - International Journal* (ISSN 1872-2032). Elsevier Scientific Publishing Company, The Netherlands;
- *Kastamonu University Journal of Forestry Faculty* (ISSN 1309-4181). Kastamonu University, Turkey;
- *Forest Research: Open Access* (ISSN 2168-9776). OMICS Publishing Group, USA.

SCIENTIFIC SUPERVISOR

PhD students

2016-Present: Salah Eddine Roula. Etude de la régénération post-incendie du chêne-liège (*Quercus suber* L.) par rejets de souche dans la région de Jijel. (Study of cork oak (*Quercus suber* L.) post-fire regeneration by stump sprouts in the Jijel region). PhD in Forestry. Faculté de Sciences de la Nature et de la Vie et Sciences de la Terre et de l'Univers - Université Abou Bekr Belkaid (co-supervisor with Rachid Tarik Bouhraoua). Ongoing.

2016-2020: Vasco Silva. Assessing the relationship between habitats conservation status and ecosystem services in Natura 2000. PhD in Forestry Engineering and Natural Resources. Instituto Superior de Agronomia - Universidade de Lisboa, funded by FCT through grant PD/BD/52696/2014 (co-supervisor with Miguel Bugalho and Francisco Rego). Concluded in 16/12/2020.

2016-2019: Ernesto Deus. Distribution and natural establishment of *Eucalyptus globulus* in the Iberian Peninsula: insights into processes affecting plant establishment. PhD in Forestry Engineering and Natural Resources. Instituto Superior de Agronomia - Universidade de

Lisboa, funded by FCT through grant BD/113936/2015 (co-supervisor with Joaquim Silva and Francisco Rego). Concluded in 19/12/2019.

MSc and other students

2019-2020: Maureen Demoustiez. Fire impacts on the availability of Mediterranean forest fruits: consequences for natural regeneration, wildlife and people. Bachelor thesis in Agro- and Biotechnology: Greenery Management. Erasmus +. PXL University College, Belgium. (co-supervisor with Sigi Berwaers). Concluded.

2018: André Silva. Aprofundamento do estudo de uma das principais pragas do sobreiro em Portugal: dinâmicas das populações de Xilomicetófagos numa área ardida. First Degree Thesis in Biology. Lusófona University (co-supervisor with Susana Dias). Concluded.

2018: Cláudia Meirinhos. Estudo sobre a influência do fogo na produção de frutos/sementes silvestres: consequências para a regeneração natural e para a fauna. First Degree Thesis in Biology. Lusófona University (co-supervisor with Susana Dias). Concluded.

2017: Joana Respício. Contribuição para o estudo de uma das principais pragas do sobreiro *Q. suber*. First Degree Thesis in Biology. Universidade Lusófona (co-supervisor with Susana Dias). Concluded.

2015: Jéssica Caetano. Dinâmicas de *Platypus cylindrus* e outros xilófagos em povoamentos de *Quercus suber* após um incêndio. First Degree Thesis in Biology. Instituto Superior de Agronomia, Universidade de Lisboa (co-supervisor with Manuela Branco). Concluded.

2012: Tiago Pereira Forte. Efeito acumulado da herbívoros na regeneração natural de áreas queimadas. First Degree Thesis in Forestry. Escola Superior Agrária de Coimbra, Instituto Politécnico de Coimbra (co-supervisor with Joaquim S. Silva). Concluded.

1999-2011: Scientific and technical support to 8 Master Thesis and 15 First Degree Thesis in Forestry, Biology and Landscape Architecture. Concluded.

ACADEMIC JURY MEMBER

2021: Sidra Ijaz Khan. Assessing wildfire hazard, community vulnerability and mitigation programs in Alberta, Canada and the District of Lisbon, Portugal'. PhD in Forestry Engineering and Natural Resources - Seminar course (PhD). Instituto Superior de Agronomia, Universidade de Lisboa.

2015: Luís Guilherme Almeida Paixão. Simulação de comportamento de fogo em zonas florestais no Alentejo central – Comparação de modelos de combustível. Master in Science and Geographic Information Systems (MSc). Instituto Superior de Estatística e Gestão de Informação, Universidade Nova de Lisboa.

2014: Pedro Filipe Brigham Andrade. A vulnerabilidade aos incêndios na Madeira – Caso de estudo Santa Cruz. Master in Territory Management - Specialization in Remote Sensing and Geographic Information Systems (MSc). Faculdade de Ciências Sociais e Humanas, Universidade Nova de Lisboa.

TEACHING EXPERIENCE

2016: Invited lecture, at the subject of Post-Fire Ecosystem Restoration, for Master Degree students in Environmental Engineering, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa (New University of Lisbon).

2000-2001: Invited assistant lecturer, to the classes of Landscape Ecology, for the 4th year of the First Degree in Landscape Architecture, Instituto Superior de Agronomia, Universidade de Lisboa (University of Lisbon), coordinated by Prof. Francisco C. Rego.

CONSULTANT

2016: Consultant, invited by the **World Wide Fund For Nature (WWF)**, under the initiative "Business & Biodiversity" to "Value and Sustainability of Cork Oak Forests and Associated Biodiversity" promoted by Corticeira Amorim, together with the Institute for Nature Conservation and Forests (ICNF), WWF and the National Association for Nature Conservation (Quercus). Visit to several properties and preparation of technical reports.

SCIENTIFIC AND TECHNICAL COURSES

Introduction to Statistical Analysis with R. Certified by School of Agriculture, Technical University of Lisbon. Lisbon, Portugal 2012 (30 hours).

Use natural or artificial regeneration? A dilemma after forest fires. Grant funded by EU (COST Action FP0701 - Post-Fire Forest Management in Southern Europe). Larnaka, Cyprus, 2011 (24 h).

Post Fire Recovery and Management. Advanced course certified by School of Agriculture. Lisbon, Portugal (50 hours). Member of the organization and formation team on 3 Editions (2005, 2006 and 2007).

Forest Fire Risk Characterization. Certified by the Forest Studies Centre from ADAI. Coordinated by Prof. Emílio Chuvieco. Coimbra, Portugal, 2005 (18 h).

GPS – Global Positioning Systems. Certified by ESACB-IPCB. Castelo Branco, Portugal, 2001 (30 h).

Programming in Avenue. Certified by ESRI - Environment Systems Research Institute. Lisbon, Portugal, 2000 (24 h).

Operating Geographic Information Systems – GIS. Certified by the Technical Institute – IST. Scientific and pedagogic direction by the National Centre of Geographic Information. Lisbon, Portugal, 1999 (78 h).

Introduction to ArcView GIS. Certified by ESRI. Lisbon, Portugal, 1999 (24 h).

Forestry Operations. Certified by the Forest Technical Operations Centre. Lousã, Portugal, 1994 (40 h).

OTHER SCIENTIFIC AND TECHNICAL ACTIVITIES

2018: Participation in the Scientific Committee of the National Forest Recovery Program (PRML), promoted by the Portuguese Government following the catastrophic 2017 wildfires.

COMPUTER KNOWLEDGE

Large professional experience with Geographic Information Systems (since 1996) and Master of Science in GIS. Experience with the following software (GIS/CAD) in Windows operating system: GIS: *ArcGis*; *ArcView Gis*; *Envi*; *Idrisi*; *Erdas*; *ER Mapper*; *Microstation*; *Image Analyst*; *I_Ras C*; *Quantum GIS*; *PathFinder*; *GPS Tracker*; and *AutoCad Map*; Wildfire Simulators: *Farsite*; *Geofogo*; Others: *SPSS*; *R*; *Statistica*; *Excel*; *Access*; *PowerPoint*; *Word*; *Photoshop*; *Visio*; etc.; experience in developing *Internet* pages and programming in GIS (*Esri*).

LANGUAGES

Portuguese: main language; English: very good (reading, writing); French: good (reading and conversation); Spanish: acceptable (reading and conversation).

MAIN AREAS OF INTEREST

Applied ecology; fire ecology; plant ecology; forest and wildlife management; wildfire prevention; GIS.

OTHER INFORMATION

2000-Present: Representation of the research team in several international meetings or projects in Australia, Austria, Chile, Greece, New Zealand, Portugal, Spain, United Kingdom and United States.

1985-1998: Collaboration in several ornithological studies. Centre for Studying Migrations and Protection of Birds (CEMPA/ICN), British Trust for Ornithology (BTO) and National Associations for Nature Conservation (LPN and Quercus).

1989-1993: Coordination team of international and national holiday camps for children and teenagers. MOCAMFE – Holyday Camps Association.

1988–1992: Board of Directors of the National Association for Nature Conservation – Quercus, in the Lisbon office. Organization and participation in several campaigns and activities concerning wildlife studies, nature conservation, and environmental education.

Strong interest in ecology and environment. Field experience in the identification of many species (birds, mammals, amphibians, reptiles, fishes and plants).

Lisbon, 26 August 2021

Filipe Xavier Catry