



INSTITUTO
DOM LUIZ

IDL Scientific publications

Annual report

2018

Contents

Articles in peer-reviewed journals	2
Articles in national journals	21
Books/books chapters.....	22
International conference proceedings - talks	23
International conference proceedings – posters.....	29
National conference proceedings - talks	37
National conference proceedings - posters.....	39
PhD Thesis.....	40
MSc Thesis.....	41

Articles in peer-reviewed journals

1. Albergel C, **Dutra E**, Munier S, Calvet JC, Munoz-Sabater J, de Rosnay P, Balsamo G (2018) ERA-5 and ERA-Interim driven ISBA land surface model simulations: which one performs better?, *Hydrology and Earth System Sciences*, 22 (6), 3515-3532. DOI: [10.5194/hess-22-3515-2018](https://doi.org/10.5194/hess-22-3515-2018). WOS:000436615200004
2. **Almeida RH**, Carrêlo IB, Lorenzo E, Narvarte L, Fernández-Ramos J, Martínez-Moreno F, Carrasco LM (2018) Development and test of solutions to enlarge the power of PV irrigation and application to a 140 kW PV-diesel representative case, *Energies*, 11 (12), 3538. DOI: [10.3390/en11123538](https://doi.org/10.3390/en11123538)
3. **Almeida RH**, Ledesma JR, Carrelo IB, Narvarte L, Ferrara G, Antipodi L (2018) A new pump selection method for large-power PV irrigation systems at a variable frequency, *Energy Conversion and Management*, 174, 874-885. DOI: [10.1016/j.enconman.2018.08.071](https://doi.org/10.1016/j.enconman.2018.08.071). WOS:000447102100069
4. **Almeida RH**, Narvarte L, Lorenzo E (2018) PV arrays with delta structures for constant irradiance daily profiles, *Solar Energy*, 171, 23-30. DOI: [10.1016/j.solener.2018.06.066](https://doi.org/10.1016/j.solener.2018.06.066) WOS:000447113000006
5. **Alves JMR, Peliz A, Caldeira RMA, Miranda PMA** (2018) Atmosphere-ocean feedbacks in a coastal upwelling system, *Ocean Modelling*, 123, 55-65. DOI: [10.1016/j.ocemod.2018.01.004](https://doi.org/10.1016/j.ocemod.2018.01.004). WOS:000426474800004
6. **Andriolo U**, Almeida LP, Almar R (2018) Coupling terrestrial LiDAR and video imagery to perform 3D intertidal beach topography, *Coastal Engineering*, 140, 232-239. DOI: [10.1016/j.coastaleng.2018.07.009](https://doi.org/10.1016/j.coastaleng.2018.07.009). WOS:000447101300016
7. Azevedo MC, Alves T, **Fonseca PE**, Moore GF (2018) Strike-slip deformation reflects complex partitioning of strain in the Nankai Accretionary Prism (SE Japan), *Tectonophysics*, 723, 81-94. DOI: [10.1016/j.tecto.2017.11.023](https://doi.org/10.1016/j.tecto.2017.11.023). WOS:000427332100007
8. Balsamo G, Agusti-Panareda A, Albergel C, Arduini, Beljaars A, Bidlot J, Bousserez N, Boussetta S, Brown A, Buizza R, Buontempo C, Chevallier F, Choulga M, Cloke H, Cronin MF, Dahoui M, Rosnay PD, Dirmeyer PA, Drusch M, **Dutra E**, Ek MB, Gentine P, Hewitt H, Keeley SP, Kerr Y, Kumar S, Lupu C, Mahfouf J-F, McNorton J, Mecklenburg S, Mogensén K, Muñoz-Sabater J, Orth R, Rabier F, Reichle R, Ruston B, Pappenberger F, Sandu I, Seneviratne SI, Tietsche S, Trigo IF, Uijlenhoet R, Wedi N, Woolway RI, Zeng X (2018) Satellite and in situ observations for advancing global earth surface modelling: A review, *Remote Sensing*, 10 (12), 2038. DOI: [10.3390/rs10122038](https://doi.org/10.3390/rs10122038)
9. Barberes GA, dos Reis RP, Spigolon ALD, **Fonseca PE**, de Mello CB, Barata MT (2018) Groundwater Natural Contamination by Toluene in Beja and Faro Districts, Portugal, *Geosciences*, 8 (1), UNSP9. DOI: [10.3390/geosciences8010009](https://doi.org/10.3390/geosciences8010009). WOS:000424119100009
10. Bastos A, Peregon A, **Gani EA**, Khudyaev S, Yue C, Li W, **Gouveia CM**, Ciais P (2018) Influence of high-latitude warming and land-use changes in the early 20th century northern Eurasian CO2 sink, *Environmental Research Letters*, 13 (6), 065014. DOI: [10.1088/1748-9326/aac4d3](https://doi.org/10.1088/1748-9326/aac4d3). WOS:000434716100001
11. **Bastos AP, Lira CP, Calvao J, Catalao J, Andrade C**, Pereira AJ, **Taborda R**, Rato D, Pinho P, Correia O (2018) UAV Derived Information Applied to the Study of Slow-changing Morphology in Dune

- Systems, Journal of Coastal Research, 85, 226-230. DOI: [10.2112/SI85-046.1](https://doi.org/10.2112/SI85-046.1). WOS:000441173100046
12. Bayet-Goll A, **de Carvalho CN**, Daraei M, Monaco P, Sharafi M (2018) Sequence stratigraphic and sedimentologic significance of the trace fossil Rhizocorallium in the Upper Triassic Nayband Formation, Tabas Block, Central Iran, Palaeogeography, Palaeoclimatology, Palaeoecology, 491 (1), 196-217. DOI: [10.1016/j.palaeo.2017.12.013](https://doi.org/10.1016/j.palaeo.2017.12.013). WOS:000424175500014
 13. Bellanger P, Slaoui A, Roques S, Ulyashin AG, Straboni A, Sow A, Salinesi Y, **Costa I, Serra JM** (2018) Silicon foil solar cells on low cost supports, Journal of Renewable and Sustainable Energy, 10 (2), 023502. DOI: [10.1063/1.5012744](https://doi.org/10.1063/1.5012744). WOS:000431135200017
 14. Benazzouz O, Pinheiro LM, **Matias LMA**, Afilhado A, Herold D, Haines SS (2018) Accurate Ocean Bottom Seismometer Positioning Method Inspired by Multilateration Technique, Mathematical Geosciences, 50 (5), 569-584. DOI: [10.1007/s11004-017-9719-5](https://doi.org/10.1007/s11004-017-9719-5). WOS:000435967300005
 15. Benazzouz O, Pinheiro LM, **Matias LMA**, Afilhado A, Herold D, Haines SS (2018) Accurate Ocean Bottom Seismometer Positioning Method Inspired by Multilateration Technique (vol 50, pg 569, 2018), Mathematical Geosciences, 50 (5), 607. DOI: [10.1007/s11004-018-9728-z](https://doi.org/10.1007/s11004-018-9728-z). WOS:000435967300007
 16. **Benevides P, Catalao J**, Nico G, **Miranda PMA** (2018) 4D wet refractivity estimation in the atmosphere using GNSS tomography initialized by radiosonde and AIRS measurements: results from a 1-week intensive campaign, GPS Solutions, 22 (4), 91. DOI: [10.1007/s10291-018-0755-5](https://doi.org/10.1007/s10291-018-0755-5) WOS:000437691900001
 17. **Bento VA, Gouveia CM, DaCamara CC, Trigo IF** (2018) A climatological assessment of drought impact on vegetation health index, Agricultural and Forest Meteorology, 259, 286-295. DOI: [10.1016/j.agrformet.2018.05.014](https://doi.org/10.1016/j.agrformet.2018.05.014). WOS:000437064400026
 18. **Bento VA, Trigo IF, Gouveia CM, DaCamara CC** (2018) Contribution of Land Surface Temperature (TCI) to Vegetation Health Index: A comparative study using clear sky and all-weather climate data records, Remote Sensing, 10 (9), 1324. DOI: [10.3390/rs10091324](https://doi.org/10.3390/rs10091324). WOS:000449993800004
 19. Blamey RC, **Ramos AM, Trigo RM, Tomé R**, Reason CJC (2018) The influence of atmospheric rivers over the South Atlantic on winter rainfall in South Africa, Journal of Hydrometeorology, 19 (1), 127-142. DOI: [10.1175/JHM-D-17-0111.1](https://doi.org/10.1175/JHM-D-17-0111.1). WOS:000427359300007
 20. Bobos I, Noronha F, **Mateus A** (2018) Fe-, Fe, Mn- and Fe, Mg-chlorite: a genetic linkage to W, (Cu, Mo) mineralization in the magmatic-hydrothermal system at Borralha, northern Portugal, Mineralogical Magazine, 82, S259-S279. DOI: [10.1180/minmag.2017.081.104](https://doi.org/10.1180/minmag.2017.081.104). WOS:000435650000013
 21. Brönnimann S, Allan R, Atkinson C, Buizza R, Bulygina O, Dahlgren P, Dee D, Dunn R, **Gomes P**, John VO, Jourdain S, Haimberger L, Hersbsbach H, Kennedy J, Poli P, Pulliainen J, Rayner N, Saunders R, Schulz J, Sterin A, Stickler A, Titchner H, **Valente MA, Ventura C**, Wilkinson C (2018) Observations for reanalyses, Bulletin of the American Meteorological Society, 99 (9), 1851-1866. DOI: [10.1175/BAMS-D-17-0229.1](https://doi.org/10.1175/BAMS-D-17-0229.1). WOS:000448508300010
 22. Buizza R, Bronnimann S, Haimberger L, Laloyaux P, Martin MJ, Fuentes M, Alonso-Balmaseda M, Becker A, Blaschek M, Dahlhlgren P, de Boisseson E, Dee D, Doutriaux-Boucher M, Feng X, John VO, Haines K, Jourdain S, Kosaka Y, Lea D, Lemarie F, Mayer M, Messina P, Perruche C, Peylin P, Pullainen J, Rayner N, Rustemeier E, Schepers D, Saunders R, Schulz J, Sterin A, Stichelberger S, Storto A, Testut

- CE, **Valente MA**, Vidard A, Vuichard N, Weaver A, While J, Ziese M (2018) The EU-FP7 ERA-CLIM2 Project contribution to advancing science and production of earth system climate reanalyses, *Bulletin of the American Meteorological Association*, 99 (5), 1003-1014. DOI: [10.1175/BAMS-D-17-0199.1](https://doi.org/10.1175/BAMS-D-17-0199.1). WOS:000433893400010
23. **Cabral J**, Ribeiro P, Ramos A, Cunha PP (2018) Diapiric activity affecting Late Pliocene to Pleistocene sediments under a tectonic compressive regime: an example from the Western Iberian Margin (Sr^a da Vitória beach, central Portugal), *Journal of Iberian Geology*, 44 (3), 431-445. DOI: [10.1007/s41513-018-0073-3](https://doi.org/10.1007/s41513-018-0073-3) WOS:000444479300004
24. Carballeira R, **Leira M**, Lopez-Rodriguez MC, Otero XL (2018) *Attheya armata* along the European Atlantic coast - The turn of the screw on the causes of "surf diatom", *Estuarine Coastal and Shelf Science*, 204, 114-129. DOI: [10.1016/j.ecss.2018.02.033](https://doi.org/10.1016/j.ecss.2018.02.033). WOS:000429757300011
25. **Cardoso RM**, **Soares PMM**, **Lima DCA**, **Miranda PMA** (2018, online early) Mean and extreme temperatures in a warming climate: EURO CORDEX and WRF regional climate high-resolution projections for Portugal, *Climate Dynamics*. DOI: [10.1007/s00382-018-4124-4](https://doi.org/10.1007/s00382-018-4124-4)
26. **Careto JAM**, **Cardoso RM**, **Soares PMM**, **Trigo RM** (2018) Land-Atmosphere Coupling in CORDEX-Africa: Hindcast Regional Climate Simulations, *Journal of Geophysical Research: Atmospheres*, 123(19), 11048-11067. DOI: [10.1029/2018JD028378](https://doi.org/10.1029/2018JD028378). WOS:000448374800016
27. Carrao H, Naumann G, **Dutra E**, Lavaysse C, Barbosa P (2018) Seasonal Drought Forecasting for Latin America Using the ECMWF S4 Forecast System, *Climate*, 6 (2), 48. DOI: [10.3390/cli6020048](https://doi.org/10.3390/cli6020048). WOS:000436491700030
28. Carrasco VMS, Vaquero JM, **Trigo RM**, Gallego MC (2018) A Curious History of Sunspot Penumbrae: An Update, *Solar Physics*, 293 (7), 104. DOI: [10.1007/s11207-018-1328-z](https://doi.org/10.1007/s11207-018-1328-z). WOS:000439415800001
29. Carreira PM, Bahir M, Salah O, **Galego Fernandes P**, Nunes D (2018) Tracing salinization processes in coastal aquifers using an isotopic and geochemical approach: comparative studies in western Morocco and southwest Portugal, *Hydrogeology Journal*, 26 (8), 2595-2615. DOI: [10.1007/s10040-018-1815-1](https://doi.org/10.1007/s10040-018-1815-1). WOS:000452085400005
30. Carreira PM, Bahir M, Salah O, **Fernandes PG**, Nunes D (2018) Tracing salinization processes in coastal aquifers using an isotopic and geochemical approach: comparative studies in western Morocco and southwest Portugal (vol 26, pg 2595, 2018), *Hydrogeology Journal*, 26 (8), 2933. DOI: [10.1007/s10040-018-1833-z](https://doi.org/10.1007/s10040-018-1833-z). WOS:000452085400025
31. Carvalho AN, Pereira F, **Bosnic I**, **Taborda R**, **Drago T**, Gaspar MB (2018) Sedimentary dynamics and benthic macrofauna distribution: Insights from the shoreface in southern Portugal, *Journal of Sea Research*, 137, 9-25. DOI: [10.1016/j.seares.2018.03.008](https://doi.org/10.1016/j.seares.2018.03.008). WOS:000434888300002
32. Carvalho J, Dias R, Ghose R, **Teves-Costa P**, Borges J, Narciso J, Pinto C, Leote J (2018) Near-Surface Characterization of the Lisbon and Lower Tagus Valley Area, Portugal, for Seismic Hazard Assessment: V-S30 and Soil Classification Maps, *Bulletin of the Seismological Society of America*, 108 (5A), 2854-2876. DOI: [10.1785/0120170340](https://doi.org/10.1785/0120170340). WOS:000445659100032
33. Carvalho J, Lopes C, **Mateus A**, Martins L, Goulão M (2018) Planning the future exploitation of ornamental stones in Portugal using a weighed multi-dimensional approach, *Resources Policy*, 59, 298-317. DOI: [10.1016/j.resourpol.2018.08.001](https://doi.org/10.1016/j.resourpol.2018.08.001)
34. **Carvalho JRS**, **Relvas JMRS**, **Pinto AMM**, Frenzel M, Krause J, Gutzmer J, Pacheco N, Fonseca R, Santos S, Caetano P, Reis T, Goncalves M (2018) Indium and selenium distribution in the Neves-

- Corvo deposit, Iberian Pyrite Belt, Portugal, *Mineralogical Magazine*, 82, S5-S41. DOI: [10.1180/minmag.2017.081.079](https://doi.org/10.1180/minmag.2017.081.079). WOS:000435650000002
35. **Casaleiro A, Figueiredo R**, Neves D, **Brito MC**, Silva CA (2018) Optimization of Photovoltaic Self-consumption using Domestic Hot Water Systems, *Journal of Sustainable Development of Energy Water and Environment Systems – JSDEWES*, 6 (2), 291-304. DOI: [10.13044/j.sdewes.d5.0178](https://doi.org/10.13044/j.sdewes.d5.0178). WOS:000436839200005
 36. **Cereja R**, Mendonça V, Dias M, Vinagre C, Gil F, Diniz M (2018) Physiological effects of cymothoid parasitization in the fish host *Pomatoschistus microps* (Krøyer, 1838) under increasing ocean temperatures, *Ecological Indicators*, 95, 176-182. DOI: [10.1016/j.ecolind.2018.07.045](https://doi.org/10.1016/j.ecolind.2018.07.045)
 37. **Chinita MJ**, Matheou G, Teixeira J (2018) A Joint Probability Density-Based Decomposition of Turbulence in the Atmospheric Boundary Layer, *Monthly Weather Review*, 146 (2), 503-523. DOI: [10.1175/MWR-D-17-0166.1](https://doi.org/10.1175/MWR-D-17-0166.1). WOS:000428700100007
 38. Ciric D, Nieto R, **Ramos AM**, Drumond A, Gimeno L (2018) Contribution of moisture from Mediterranean Sea to extreme precipitation events over Danube River Basin, *Water*, 10 (9), 182. DOI: [10.3390/w10091182](https://doi.org/10.3390/w10091182). WOS:000448821900074
 39. **Civiero C, Strak V, Custódio S, Silveira G**, Rawlinson N, Arroucau P, **Corela C** (2018) A common deep source for upper-mantle upwellings below the Ibero-Western Maghreb region from teleseismic P-wave travel-time tomography, *Earth and Planetary Science Letters*, 499, 157–172. DOI: [10.1016/j.epsl.2018.07.024](https://doi.org/10.1016/j.epsl.2018.07.024) WOS:000444359800014
 40. **Codeco MS, Mateus A, Figueiras J, Rodrigues P**, Goncalves L (2018) Development of the Ervidel-Roxo and Figueirinha-Albernoa volcanic sequences in the Iberian pyrite Belt, Portugal: Metallogenic and geodynamic implications, *Ore Geology Reviews*, 98, 80-108. DOI: [10.1016/j.oregeorev.2018.05.009](https://doi.org/10.1016/j.oregeorev.2018.05.009). WOS:000436053200005
 41. **Coimbra R**, Azerêdo AC, **Cabral MC** (2018) Cretaceous coastal lagoon facies: Geochemical insights into multi-stage diagenesis and palaeoclimatic signals, *Cretaceous Research*, 85, 60-77. DOI: [10.1016/j.cretres.2018.01.001](https://doi.org/10.1016/j.cretres.2018.01.001). WOS:000429892000005
 42. da Costa IR, Antunes IMHR, **Mourao C**, Recio C, Guimaraes F, **Ramos JF, Barriga FJAS** (2018) Contact metamorphism associated to the Penamacor-Monsanto granitic intrusion (Central Portugal): geochemical, isotopic and mineralogical features, *Journal of Iberian Geology*, 44 (2), 335-353. DOI: [10.1007/s41513-018-0050-x](https://doi.org/10.1007/s41513-018-0050-x). WOS:000434075300010
 43. da Costa IR, Fonseca R, Pinho C, Araujo A, Martins LC, Dias N, **Janeiro AI**, Freitas G (2018) Contaminated soils and sediments associated with Zn ore metallurgy near the Sao Francisco River, Minas Gerais (Brazil), *Environmental Earth Sciences*, 77 (5), 202. DOI: [10.1007/s12665-018-7361-2](https://doi.org/10.1007/s12665-018-7361-2). WOS:000427354000030
 44. **da Graca GC** (2018) A technical note on simplified modeling of turbulent mixing in wind-driven single sided ventilation, *Building and Environment*, 131, 12-15. DOI: [10.1016/j.buildenv.2018.01.014](https://doi.org/10.1016/j.buildenv.2018.01.014). WOS:000425571200002
 45. Danielopol DL, **Cabral MC**, Lord A, Carbonel P, Gross M, Stoica M, Humphreys WF, Namiotko T, Tóth E, Külköylüoglu O, Piller WE, Nunes T (2018) Sieve-type pore canals in the Timiriaseviinae - A contribution to the comparative morphology and the systematics of the Limnocytheridae (Ostracoda), *Zootaxa*, 4495, 1-64. DOI: [10.11646/zootaxa.4495.1.1](https://doi.org/10.11646/zootaxa.4495.1.1). WOS:000446186600001

46. **Davies HS**, Green JAM, **Duarte JC** (2018) Back to the future: Testing different scenarios for the next supercontinent gathering, *Global and Planetary Change*, 169, 133-144. DOI: [10.1016/j.gloplacha.2018.07.015](https://doi.org/10.1016/j.gloplacha.2018.07.015). WOS:000445310200010
47. Dell'Angelo B, **Landau BM**, Van Dingenen F, Ceulemans L (2018) The upper Miocene chitons of northwest France (Mollusca: Polyplacophora), *Zootaxa*, 4447 (1), 1-62. DOI: [10.11646/zootaxa.4447.1.1](https://doi.org/10.11646/zootaxa.4447.1.1). WOS:000441329000001
48. **Dias da Silva Í**, Pereira MF, **Silva JB**, Gama C (2018) Time-space distribution of silicic plutonism in a gneiss dome of the Iberian Variscan Belt: The Évora Massif (Ossa-Morena Zone, Portugal), *Tectonophysics*, 747-748, 298-317. DOI: [10.1016/j.tecto.2018.10.015](https://doi.org/10.1016/j.tecto.2018.10.015). WOS:000453618800020
49. Dias M, Ferreira A, Gouveia R, **Cereja R**, Vinagre C (2018) Mortality, growth and regeneration following fragmentation of reef-forming corals under thermal stress, *Journal of Sea Research*, 141, 71-82. DOI: [10.1016/j.seares.2018.08.008](https://doi.org/10.1016/j.seares.2018.08.008). WOS:000447547500008
50. Dinis PA, Fernandes P, **Jorge RCGS**, Rodrigues B, Chew DM, Tassinari CG (2018) The transition from Pangea amalgamation to fragmentation: Constraints from detrital zircon geochronology on West Iberia paleogeography and sediment sources, *Sedimentary Geology*, 375, 172-187. DOI: [10.1016/j.sedgeo.2017.09.015](https://doi.org/10.1016/j.sedgeo.2017.09.015). WOS:000447476000014
51. Dirmeyer PA, Chen L, Wu JX, Shin CS, Huang BH, Cash BA, Bosilovich MG, Mahanama S, Koster RD, Santanello JA, Ek MB, Balsamo G, **Dutra E**, Lawrence DM (2018) Verification of Land-Atmosphere Coupling in Forecast Models, Reanalyses, and Land Surface Models Using Flux Site Observations, *Journal of Hydrometeorology*, 19 (2), 375-392. DOI: [10.1175/JHM-D-17-0152.1](https://doi.org/10.1175/JHM-D-17-0152.1). WOS:000427359900007
52. **Duarte JC**, Schellar WP, **Rosas FM** (2018) The future of Earth's oceans: consequences of subduction initiation in the Atlantic and implications for supercontinent formation, *Geological Magazine*, 155 (1), 45-58. DOI: [10.1017/S0016756816000716](https://doi.org/10.1017/S0016756816000716). WOS:000418329500003
53. **Dumont S**, Sigmundsson F, Parks MM, Drouin VJP, Pedersen GBM, Jonsdottir I, Hoskuldsson A, Hooper A, Spaans K, Bagnardi M, Gudmundsson MT, Barsotti S, Jonsdottir K, Hognadottir T, Magnusson E, Hjartardottir AR, Durig T, Rossi C, Oddsson B (2018) Integration of SAR Data Into Monitoring of the 2014-2015 Holuhraun Eruption, Iceland: Contribution of the Icelandic Volcanoes Supersite and the FutureVolc Projects, *Frontiers in Earth Science*, 6, UNSP 231. DOI: [10.3389/feart.2018.00231](https://doi.org/10.3389/feart.2018.00231). WOS:000454156500001
54. Eiras-Barca J, **Ramos AM**, Pinto JG, **Trigo RM**, **Liberato MLR**, Miguez-Macho G (2018) The concurrence of atmospheric rivers and explosive cyclogenesis in the North Atlantic and North Pacific basins, *Earth System Dynamics*, 9 (1), 91-102. DOI: [10.5194/esd-9-91-2018](https://doi.org/10.5194/esd-9-91-2018). WOS:000423217400001
55. El Houicha M, Pereira MF, Jouhari A, Gama C, Ennih N, Fekkak A, Ezzouhairi H, El Attari A, **Silva JB** (2018) Recycling of the Proterozoic crystalline basement in the Coastal Block (Moroccan Meseta): New insights for understanding the geodynamic evolution of the northern peri-Gondwanan realm, *Precambrian Research*, 306, 129-154. DOI: [10.1016/j.precamres.2017.12.039](https://doi.org/10.1016/j.precamres.2017.12.039). WOS:000425204600008
56. El-Hussain I, **Omira R**, Al-Habsi Z, **Baptista MA**, Deif A, Mohamed AME (2018) Probabilistic and deterministic estimates of near-field tsunami hazards in northeast Oman, *Geoscience Letters*, 5, 30. DOI: [10.1186/s40562-018-0129-4](https://doi.org/10.1186/s40562-018-0129-4). WOS:000453760200001

57. **Ermida SL, Trigo IF, DaCamara CC**, Pires AC (2018) A Methodology to Simulate LST Directional Effects Based on Parametric Models and Landscape Properties, *Remote Sensing*, 10 (7), 1114. DOI: [10.3390/rs10071114](https://doi.org/10.3390/rs10071114). WOS:000440332500137
58. **Ermida SL, Trigo IF, DaCamara CC**, Roujean JL (2018) Assessing the potential of parametric models to correct directional effects on local to global remotely sensed LST, *Remote Sensing of Environment*, 209, 410-422. DOI: [10.1016/j.rse.2018.02.066](https://doi.org/10.1016/j.rse.2018.02.066). WOS:000430897300029
59. Fernandes LFS, **Pereira MG**, Morgado SG, Macário EB (2018) Influence of climate change on the design of retention basins in northeastern Portugal, *Water*, 10 (6), 743. DOI: [10.3390/w10060743](https://doi.org/10.3390/w10060743) WOS:000436515100074
60. **Figueiredo PM**, Rockwell TK, **Cabral J, Ponte Lira C** (2018, in press) Morphotectonics in a low tectonic rate area: Analysis of the southern Portuguese Atlantic coastal region, *Geomorphology*. DOI: [10.1016/j.geomorph.2018.02.019](https://doi.org/10.1016/j.geomorph.2018.02.019)
61. **Figueiredo R, Nunes P, Brito MC** (2018) Multiyear calibration of simulations of energy systems, *Energy*, 157, 932-939. DOI: [10.1016/j.energy.2018.05.188](https://doi.org/10.1016/j.energy.2018.05.188) WOS:000440876600080
62. **Font E**, Adatte T, **Andrade M**, Keller G, Mbabi Bitchong A, Carvallo C, **Ferreira J, Diogo Z**, Mirão J (2018) Deccan volcanism induced high-stress environment during the Cretaceous–Paleogene transition at Zumaia, Spain: Evidence from magnetic, mineralogical and biostratigraphic records, *Earth and Planetary Science Letters*, 484, 53-66. DOI: [10.1016/j.epsl.2017.11.055](https://doi.org/10.1016/j.epsl.2017.11.055). WOS:000424726000005
63. Frege C, Ortega IK, Rissanen MP, Praplan AP, Steiner G, Heinritzi M, Ahonen L, Amorim A, Bernhammer AK, Bianchi F, Brilke S, Breitenlechner M, Dada L, Dias A, Duplissy J, Ehrhart S, El-Haddad I, Fischer L, Fuchs C, Garmash O, Gonin M, Hansel A, Hoyle CR, Jokinen T, Junninen H, Kirkby J, Kurten A, Lehtipalo K, Leiminger M, Mauldin RL, Molteni U, Nichman L, Petaja T, Sarnela N, Schobesberger S, Simon M, Sipila M, Stolzenburg D, **Tome A**, Vogel AL, Wagner AC, Wagner R, Xiao M, Yan C, Ye PL, Curtius J, Donahue NM, Flagan RC, Kulmala M, Worsnop DR, Winkler PM, Dommen J, Baltensperger U (2018) Influence of temperature on the molecular composition of ions and charged clusters during pure biogenic nucleation, *Atmospheric Chemistry and Physics*, 18 (1), 65-79. DOI: [10.5194/acp-18-65-2018](https://doi.org/10.5194/acp-18-65-2018). WOS:000419134200001
64. **Freire JG**, Gallas MR, Gallas JAC (2018) Impact of predator dormancy on prey-predator dynamics, *Chaos*, 28 (5), 053118. DOI: [10.1063/1.5016434](https://doi.org/10.1063/1.5016434). WOS:000433253000022
65. **Freitas S**, Reinhart C, **Brito MC** (2018) Minimizing storage needs for large scale photovoltaics in the urban environment, *Solar Energy*, 159, 375-389. DOI: [10.1016/j.solener.2017.11.011](https://doi.org/10.1016/j.solener.2017.11.011). WOS:000423007300037
66. **Freitas S**, Santos T, **Brito MC** (2018) Impact of large-scale PV deployment in the sizing of urban distribution transformers, *Renewable Energy*, 119, 767-776. DOI: [10.1016/j.renene.2017.10.096](https://doi.org/10.1016/j.renene.2017.10.096). WOS:000423649700069
67. Garcia-Herrera R, Barriopedro D, Gallego D, **Mellado-Cano J**, Wheeler D, Wilkinson C (2018) Understanding weather and climate of the last 300 years from ships' logbooks, *Wiley Interdisciplinary Reviews - Climate Change*, 9 (6), e544. DOI: [10.1002/wcc.544](https://doi.org/10.1002/wcc.544). WOS:000447165600002
68. Gartner A, **Youbi N**, Villeneuve M, Linnemann U, Sagawe A, Hofmann M, Zieger J, Mahmoudi A, Boumehdi MA (2018) Provenance of detrital zircon from siliciclastic rocks of the Sebkhha Gezmayet

- unit of the Adrar Souttoug Massif (Moroccan Sahara) - Palaeogeographic implications, *Comptes Rendus Geosciences*, 350 (6), 255-266. DOI: [10.1016/j.crte.2018.06.004](https://doi.org/10.1016/j.crte.2018.06.004). WOS:000443209300005
69. **Geirinhas JL, Trigo RM**, Libonati R, Coelho CAS, Palmeira AC (2018) Climatic and synoptic characterization of heat waves in Brazil, *International Journal of Climatology*, 38 (4), 1760-1776. DOI: [10.1002/joc.5294](https://doi.org/10.1002/joc.5294). WOS:000427011700012
 70. Giacomel P, Spagnuolo E, Nazzari M, Marzoli A, Passelegue F, **Youbi N**, Di Toro G (2018) Frictional Instabilities and Carbonation of Basalts Triggered by Injection of Pressurized H₂O- and CO₂- Rich Fluids, *Geophysical Research Letters*, 45 (12), 6032-6041. DOI: [10.1029/2018GL078082](https://doi.org/10.1029/2018GL078082). WOS:000438499100024
 71. **Gois-Marques CA, Madeira J**, de Sequeira MM (2018) Inventory and review of the Mio-Pleistocene São Jorge flora (Madeira Island, Portugal): palaeoecological and biogeographical implications, *Journal of Systematic Palaeontology*, 16 (2), 159-177. DOI: [10.1080/14772019.2017.1282991](https://doi.org/10.1080/14772019.2017.1282991). WOS:000424061400004
 72. **Goncalves MA, Mateus A**, Pinto F, Vieira R (2018) Using multifractal modelling, singularity mapping, and geochemical indexes for targeting buried mineralization: Application to the W-Sn Panasqueira ore-system, Portugal, *Journal of Geochemical Exploration*, 189, 42-53. DOI: [10.1016/j.gexplo.2017.07.008](https://doi.org/10.1016/j.gexplo.2017.07.008). WOS:000428313100006
 73. Gouveia F, da Fonseca AV, Gomes RC, **Teves-Costa P** (2018) Deeper V-s profile constraining the dispersion curve with the ellipticity curve: A case study in Lower Tagus Valley, Portugal, *Soil Dynamics and Earthquake Engineering*, 109, 188-198. DOI: [10.1016/j.soildyn.2018.03.010](https://doi.org/10.1016/j.soildyn.2018.03.010). WOS:000430784200016
 74. Green JAM, Molloy JL, **Davies HS, Duarte JC** (2018) Is there a tectonically driven super-tidal cycle?, *Geophysical Research Letter*, 45 (8), 3568-3576. DOI: [10.1002/2017GL076695](https://doi.org/10.1002/2017GL076695). WOS:000435745500029
 75. Guirado E, Alcaraz-Segura D, Rigol-Sanchez JP, Gisbert J, **Martinez-Moreno FJ**, Galindo-Zaldivar J, Gonzalez-Castillo L, Cabello J (2018) Remote-sensing-derived fractures and shrub patterns to identify groundwater dependence, *Ecohydrology*, 11 (6), UNSP e1933. DOI: [10.1002/eco.1933](https://doi.org/10.1002/eco.1933). WOS:000445329300006
 76. Harzhauser M, Grunert P, Mandic O, Lukeneder P, Gallardo AG, Neubauer TA, Carnevale G, **Landau BM**, Sauer R, Strauss P (2018) Middle and late Badenian palaeoenvironments in the northern Vienna Basin and their potential link to the Badenian Salinity Crisis, *Geologica Carpathica*, 69 (2), 149-168. DOI: [10.1515/geoca-2018-0009](https://doi.org/10.1515/geoca-2018-0009). WOS:000429888000003
 77. **Henin R, Liberato MLR, Ramos AM, Gouveia CM** (2018) Assessing the Use of Satellite-Based Estimates and High-Resolution Precipitation Datasets for the Study of Extreme Precipitation Events over the Iberian Peninsula, *Water*, 10 (11), 1688. DOI: [10.3390/w10111688](https://doi.org/10.3390/w10111688). WOS:000451736300195
 78. Herrero-Bervera E, Henry B, **Moreira M** (2018) Inflation and collapse of the Wai'anae volcano (Oahu, Hawaii, USA): implications from rock magnetic properties and magnetic fabric data of dikes, *Earth Planets and Space*, 70, 190. DOI: [10.1186/s40623-018-0960-z](https://doi.org/10.1186/s40623-018-0960-z). WOS:000452777100002
 79. Hildenbrand A, Marques FO, **Catalao J** (2018) Large-scale mass wasting on small volcanic islands revealed by the study of Flores Island (Azores), *Scientific Reports*, 8, 13898. DOI: [10.1038/s41598-018-32253-0](https://doi.org/10.1038/s41598-018-32253-0). WOS:000444762700028

80. Jafarian A, Javanbakht M, Koeshidayatullah A, **Pimentel N**, Salad Hersi O, Yahyaei A, Beigi M (2018) Paleoenvironmental, diagenetic, and eustatic controls on the Permo–Triassic carbonate–evaporite reservoir quality, Upper Dalan and Kangan formations, Lavan Gas Field, Zagros Basin, *Geological Journal*, 53 (4), 1442-1457. DOI: [10.1002/gj.2965](https://doi.org/10.1002/gj.2965). WOS:000437675500013
81. **Jerez S**, Lopez-Romero JM, Turco M, Jimenez-Guerrero P, Vautard R, Montavez JP (2018) Impact of evolving greenhouse gas forcing on the warming signal in regional climate model experiments, *Nature Communications*, 9 (1), 1304. DOI: [10.1038/s41467-018-03527-y](https://doi.org/10.1038/s41467-018-03527-y). WOS:000429003900007
82. Jesus CC, Oliveira SC, Sena C, **Marques F** (2018) Understanding constraints and triggering factors of landslides: Regional and local perspectives on a drainage basin, *Geosciences*, 8 (1), 2. DOI: [10.3390/geosciences8010002](https://doi.org/10.3390/geosciences8010002). WOS:000424119100002
83. Johnson ME, Baarli BG, **Cachao M**, Mayoral E, **Ramalho RS**, Santos A, **da Silva CM** (2018) On the rise and fall of oceanic islands: Towards a global theory following the pioneering studies of Charles Darwin and James Dwight Dana, *Earth-Science Reviews*, 180, 17-36. DOI: [10.1016/j.earscirev.2018.03.008](https://doi.org/10.1016/j.earscirev.2018.03.008). WOS:000433645900002
84. Khalil M, Orubu A, Rutherford B, Speece M, **Santos F**, **Farzamian M** (2018) Integrated application of 2D resistivity and electromagnetic methods to investigate a metallic-sulfide deposit in Soap Gulch, Montana. A case study, *Arabian Journal of Geosciences*, 11 (23), 764. DOI: [10.1007/s12517-018-4130-1](https://doi.org/10.1007/s12517-018-4130-1). WOS:000452711200002
85. Klos A, **Bos MS**, Bogusz J (2018) Detecting time-varying seasonal signal in GPS position time series with different noise levels, *GPS Solutions*, 22 (1), 21. DOI: [10.1007/s10291-017-0686-6](https://doi.org/10.1007/s10291-017-0686-6). WOS:000423143700008
86. Klos A, **Bos MS**, **Fernandes RMS**, Bogusz J (2019) Noise-Dependent Adaption of the Wiener Filter for the GPS Position Time Series, *Mathematical Geosciences*, 51 (1), 53-73. DOI: [10.1007/s11004-018-9760-z](https://doi.org/10.1007/s11004-018-9760-z)
87. Klos A, Gruszczynska M, **Bos MS**, Boy JP, Bogusz J (2018) Estimates of Vertical Velocity Errors for IGS ITRF2014 Stations by Applying the Improved Singular Spectrum Analysis Method and Environmental Loading Models, *Pure and Applied Geophysics*, 175 (5), 1823-1840. DOI: [10.1007/s00024-017-1494-1](https://doi.org/10.1007/s00024-017-1494-1). WOS:000433093100018
88. Krinner G, Derksen C, Essery R, Flanner M, Hagemann S, Clark M, Hall A, Rott H, Brutel-Vuilmet C, Kim H, Menard CB, Mudryk L, Thackeray C, Wang LB, Arduini G, Balsamo G, Bartlett P, Boike J, Boone A, Cheruy F, Colin J, Cuntz M, Dai Y, Decharme B, Derry J, Ducharne A, **Dutra E**, Fang X, Fierz C, Ghattas J, Gusev Y, Haverd V, Kontu A, Lafaysse M, Law R, Lawrence D, Li W, Marke T, Marks D, Menegoz M, Nasonova O, Nitta T, Niwano M, Pomeroy J, Raleigh MS, Schaedler G, Semenov V, Smirnova TG, Stacke T, Strasser U, Svenson S, Turkov D, Wang T, Wever N, Yuan H, Zhou W, Zhu D (2018) ESM-SnowMIP: assessing snow models and quantifying snow-related climate feedbacks, *Geoscientific Model Development*, 11 (12), 5027-5049. DOI: [10.5194/gmd-11-5027-2018](https://doi.org/10.5194/gmd-11-5027-2018). WOS:000452662100001
89. Lavers DA, Richardson DS, **Ramos AM**, Zsoter E, Pappenberger F, **Trigo RM** (2018) Earlier awareness of extreme winter precipitation across the western Iberian Peninsula, *Meteorological Applications*, 25 (4), 622-628. DOI: [10.1002/met.1727](https://doi.org/10.1002/met.1727). WOS:000447415500012
90. Lehtipalo K, Yan C, Dada L, Bianchi F, Xiao M, Wagner R, Stolzenburg D, Ahonen LR, Amorim A, Baccarini A, Bauer PS, Baumgartner B, Bergen A, Bernhammer AK, Breitenlechner M, Brilke S,

- Buchholz A, Mazon SB, Chen DX, Chen XM, Dias A, Dommen J, Draper DC, Duplissy J, Ehn M, Finkenzeller H, Fischer L, Frege C, Fuchs C, Garmash O, Gordon H, Hakala J, He XC, Heikkinen L, Heinritzi M, Helm JC, Hofbauer V, Hoyle CR, Jokinen T, Kangasluoma J, Kerminen VM, Kim C, Kirkby J, Kontkanen J, Kurten A, Lawler MJ, Mai HJ, Mathot S, Mauldin RL, Molteni U, Nichman L, Nie W, Nieminen T, Ojdanic A, Onnela A, Passananti M, Petaja T, Piel F, Pospisilova V, Quelever LLJ, Rissanen MP, Rose C, Sarnela N, Schallhart S, Schuchmann S, Sengupta K, Simon M, Sipila M, Tauber C, **Tome A**, Trostl J, Vaisanen O, Vogel AL, Volkamer R, Wagner AC, Wang MY, Weitz L, Wimmer D, Ye PL, Ylisirnio A, Zha QZ, Carslaw KS, Curtius J, Donahue NM, Flagan RC, Hansel A, Riipinen I, Virtanen A, Winkler PM, Baltensperger U, Kulmala M, Worsnop DR (2018) Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors, *Science Advances*, 4 (12), eea5363. DOI: [10.1126/sciadv.aau5363](https://doi.org/10.1126/sciadv.aau5363). WOS:000454369600029
91. Leite DN, Bortolozzo CA, Porsani JL, Couto MA, Campana JDR, **dos Santos FAM**, Rangel RC, Hamada LR, Sifontes RV, de Oliveira GS, Stangari MC (2018) Geoelectrical characterization with 1D VES/TDEM joint inversion in Urupes-SP region, Parana Basin: Applications to hydrogeology, *Journal of Applied Geophysics*, 151, 205-220. DOI: [10.1016/j.jappgeo.2018.02.022](https://doi.org/10.1016/j.jappgeo.2018.02.022). WOS:000430903200020
 92. Leorri E, Zimmerman AR, Mitra S, Christian RR, **Fatela F**, Mallinson DJ (2018) Refractory organic matter in coastal salt marshes-effect on C sequestration calculations, *Science of the Total Environment*, 633, 391-398. DOI: [10.1016/j.scitotenv.2018.03.120](https://doi.org/10.1016/j.scitotenv.2018.03.120). WOS:000432475300038
 93. Leuenberger M, Parente J, Tonini M, **Pereira MG**, Kanevski M (2018) Wildfire susceptibility mapping: Deterministic vs. stochastic approaches, *Environmental Modelling and Software*, 101, 194-203. DOI: [10.1016/j.envsoft.2017.12.019](https://doi.org/10.1016/j.envsoft.2017.12.019). WOS:000424826300016
 94. **Lima DCA, Soares PMM, Semedo A, Cardoso RM** (2018) A global view of coastal low-level wind jets using an ensemble of reanalyses, *Journal of Climate*, 31 (4), 1525-1546. DOI: [10.1175/JCLI-D-17-0395.1](https://doi.org/10.1175/JCLI-D-17-0395.1). WOS:000425166600013
 95. Lopes C, Lisboa V, Carvalho J, **Mateus A**, Martins L (2018) Challenges to access and safeguard mineral resources for Society; a case study of kaolin in Portugal, *Land Use Policy*, 79, 263-284. DOI: [10.1016/j.landusepol.2018.07.035](https://doi.org/10.1016/j.landusepol.2018.07.035). WOS:000454378800024
 96. Lorenzo C, **Almeida RH**, Martínez-Núñez M, Narvarte L, Carrasco LM (2018) Economic assessment of large power photovoltaic irrigation systems in the ECOWAS region, *Energy*, 155, 992-1003. DOI: [10.1016/j.energy.2018.05.066](https://doi.org/10.1016/j.energy.2018.05.066) WOS:000445303100080
 97. **Loureiro A**, Schnurle P, Klingelhofer F, **Afilhado A**, Pinheiro J, Evain M, Gallais F, **Dias NA**, Rabineau M, Baltzer A, Benabdellouahed M, Soares J, Fuck R, Cupertino JA, Viana A, **Matias L**, Moulin M, Aslanian D, de Lima MVAG (2018) Imaging exhumed lower continental crust in the distal Jequitinhonha basin, Brazil, *Journal of South America Earth Sciences*, 84, 351-372. DOI: [10.1016/j.jsames.2018.01.009](https://doi.org/10.1016/j.jsames.2018.01.009). WOS:000435049100025
 98. Luchetti ACF, Nardy AJR, **Madeira J** (2018) Silicic, high- to extremely high-grade ignimbrites and associated deposits from the Parana Magmatic Province, southern Brazil, *Journal of Volcanology and Geothermal Research*, 355, 270-286. DOI: [10.1016/j.jvolgeores.2017.11.010](https://doi.org/10.1016/j.jvolgeores.2017.11.010). WOS:000435057900019
 99. **Machado G**, Vavrdová M, Fonseca M, **Fonseca PE**, Rocha F (2018) Stratigraphy and palynology of the Pennsylvanian continental Buçaco Basin (NW Iberia), *Geobios*, 51 (6), 507-516. DOI: [10.1016/j.geobios.2018.07.001](https://doi.org/10.1016/j.geobios.2018.07.001)

100. **Malafaia E**, Gasulla JM, Escaso F, Narváez I, Sanz JL, Ortega F (2018) New spinosaurid (Theropoda, Megalosauroida) remains from the Arcillas de Morella Formation (upper Barremian) of Morella, Spain, *Cretaceous Research*, 92, 174-183. DOI: [10.1016/j.cretres.2018.08.006](https://doi.org/10.1016/j.cretres.2018.08.006). WOS:000454465400015
101. Mantzouki E, Campbell J, van Loon E, Visser P, Konstantinou I, Antoniou M, Giuliani G, Machado-Vieira D, de Oliveira AG, Maronic DS, Stevic F, Pfeiffer TZ, Vucelic IB, Zutinic P, Udovic MG, Plenkovc-Moraj A, Tsiarta N, Blaha L, Geris R, Frankova M, Christoffersen KS, Warming TP, Feldmann T, Laas A, Panksep K, Tuvikene L, Kangro K, Haggqvist K, Salmi P, Arvola L, Fastner J, Straile D, Rothhaupt KO, Fonvielle J, Grossart HP, Avagianos C, Kaloudis T, Triantis T, Zervou SK, Hiskia A, Gkelis S, Panou M, McCarthy V, Perello VC, Obertegger U, Boscaini A, Flaim G, Salmaso N, Cerasino L, Koreiviene J, Karosiene J, Kasperoviciene J, Savadova K, Vitonyte I, Haande S, Skjelbred B, Grabowska M, Karpowicz M, Chmura D, Nawrocka L, Kobos J, Mazur-Marzec H, Alcaraz-Parraga P, Wilk-Wozniak E, Krzton W, Walusiak E, Gagala I, Mankiewicz-Boczek J, Toporowska M, Pawlik-Skowronska B, Niedzwiecki M, Peczula W, Napiorkowska-Krzebietke A, Dunalska J, Sienska J, Szymanski D, Kruk M, Budzinska A, Goldyn R, Kozak A, Rosinska J, Szlag-Wasielewska E, Domek P, Jakubowska-Krepska N, Kwasizur K, Messyasz B, Pelechata A, Pelechaty M, Kokocinski M, Madrecka B, Kostrzewska-Szlakowska I, Frak M, Bankowska-Sobczak A, Wasilewicz M, Ochocka A, Pasztaleniec A, Jasser I, Antao-Geraldes AM, **Leira M**, Hernandez A, Vasconcelos V, Morais J, Vale M, Raposeiro PM, Goncalves V, Aleksovski B, Krstic S, Nemova H, Drastichova I, Chomova L, Remec-Rekar S, Elersek T, Delgado-Martin J, Garcia D, Cereijo JL, Goma J, Trapote MC, Vegas-Vilarrubia T, Obrador B, Garcia-Murcia A, Real M, Romans E, Noguero-Ribes J, Duque DP, Fernandez-Moran E, Ubeda B, Galvez JA, Marce R, Catalan N, Perez-Martinez C, Ramos-Rodriguez E, Cillero-Castro C, Moreno-Ostos E, Blanco JM, Rodriguez V, Montes-Perez JJ, Palomino RL, Rodriguez-Perez E, Carballeira R, Camacho A, Picazo A, Rochera C, Santamans AC, Ferriol C, Romo S, Soria JM, Hansson LA, Urrutia-Cordero P, Ozen A, Bravo AG, Buck M, Colom-Montero W, Mustonen K, Pierson D, Yang Y, Verspagen JMH, Domis LND, Seelen L, Teurlincx S, Verstijnen Y, Lurling M, Maliaka V, Faassen EJ, Latour D, Carey CC, Paerl HW, Torokne A, Karan T, Demir N, Beklioglu M, Filiz N, Levi EE, Iskin U, Bezirci G, Tavsanoğlu UN, Celik K, Ozhan K, Karakaya N, Kocer MAT, Yilmaz M, Maraslioglu F, Fakioglu O, Soyulu EN, Yagci MA, Cinar S, Capkin K, Yagci A, Cesur M, Bilgin F, Bulut C, Uysal R, Koker L, Akcaalan R, Albay M, Alp MT, Ozkan K, Sevindik TO, Tunca H, Onem B, Richardson J, Edwards C, Bergkemper V, O'Leary S, Beirne E, Cromie H, Ibelings BW (2018) Data Descriptor: A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins, *Scientific Data*, 5, 180226. DOI: [10.1038/sdata.2018.226](https://doi.org/10.1038/sdata.2018.226). WOS:000448057000002
102. Mantzouki E, Lurling M, Fastner J, Domis LD, Wilk-Wozniak E, Koreiviene J, Seelen L, Teurlincx S, Verstijnen Y, Krzton W, Walusiak E, Karosiene J, Kasperoviciene J, Savadova K, Vitonyte I, Cillero-Castro C, Budzinska A, Goldyn R, Kozak A, Rosinska J, Szlag-Wasielewska E, Domek P, Jakubowska-Krepska N, Kwasizur K, Messyasz B, Pelechata A, Pelechaty M, Kokocinski M, Garcia-Murcia A, Real M, Romans E, Noguero-Ribes J, Duque DP, Fernandez-Moran E, Karakaya N, Haggqvist K, Demir N, Beklioglu M, Filiz N, Levi EE, Iskin U, Bezirci G, Tavsanoğlu UN, Ozhan K, Gkelis S, Panou M, Fakioglu O, Avagianos C, Kaloudis T, Celik K, Yilmaz M, Marce R, Catalan N, Bravo AG, Buck M, Colom-Montero W, Mustonen K, Pierson D, Yang Y, Raposeiro PM, Goncalves V, Antoniou MG, Tsiarta N, McCarthy V, Perello VC, Feldmann T, Laas A, Panksep K, Tuvikene L, Gagala I, Mankiewicz-Boczek J, Yagci MA,

- Cinar S, Capkin K, Yagci A, Cesur M, Bilgin F, Bulut C, Uysal R, Obertegger U, Boscaini A, Flaim G, Salmaso N, Cerasino L, Richardson J, Visser PM, Verspagen JMH, Karan T, Soylyu EN, Maraslioglu F, Napiorkowska-Krzebietke A, Ochocka A, Pasztaleniec A, Antao-Geraldes AM, Vasconcelos V, Morais J, Vale M, Koker L, Akcaalan R, Albay M, Maronic DS, Stevic F, Pfeiffer TZ, Fonvielle J, Straile D, Rothhaupt KO, Hansson LA, Urrutia-Cordero P, Blaha L, Geris R, Frankova M, Kocer MAT, Alp MT, Remec-Rekar S, Elerseck T, Triantis T, Zervou SK, Hiskia A, Haande S, Skjelbred B, Madrecka B, Nemova H, Drastichova I, Chomova L, Edwards C, Sevindik TO, Tunca H, Onem B, Aleksovski B, Krstic S, Vucelic IB, Nawrocka L, Salmi P, Machado-Vieira D, de Oliveira AG, Delgado-Martin J, Garcia D, Cereijo JL, Goma J, Trapote MC, Vegas-Vilarrubia T, Obrador B, Grabowska M, Karpowicz M, Chmura D, Ubeda B, Galvez JA, Ozen A, Christoffersen KS, Warming TP, Kobos J, Mazur-Marzec H, Perez-Martinez C, Ramos-Rodriguez E, Arvola L, Alcaraz-Parraga P, Toporowska M, Pawlik-Skowronska B, Niedzwiecki M, Peczuła W, **Leira M**, Hernandez A, Moreno-Ostos E, Blanco JM, Rodriguez V, Montes-Perez JJ, Palomino RL, Rodriguez-Perez E, Carballeira R, Camacho A, Picazo A, Rochera C, Santamans AC, Ferriol C, Romo S, Soria JM, Dunalska J, Sienska J, Szymanski D, Kruk M, Kostrzewska-Szlakowska I, Jasser I, Zutinic P, Udovic MG, Plenkovic-Moraj A, Frak M, Bankowska-Sobczak A, Wasilewicz M, Ozkan K, Maliaka V, Kangro K, Grossart HP, Paerl HW, Carey CC, Ibelings BW (2018) Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins, *Toxins*, 10 (4), 156. DOI: [10.3390/toxins10040156](https://doi.org/10.3390/toxins10040156). WOS:000435183700027
103. **Marques F** (2018) Regional Scale Sea Cliff Hazard Assessment at Sintra and Cascais Counties, Western Coast of Portugal, *Geosciences*, 8 (3), UNSP 80. DOI: [10.3390/geosciences8030080](https://doi.org/10.3390/geosciences8030080). WOS:000428667800002
104. Martí J, GropPELLI G, **Brum da Silveira A** (2018) Volcanic stratigraphy: A review, *Journal of Volcanology and Geothermal Research*, 357, 68-91. DOI: [10.1016/j.jvolgeores.2018.04.006](https://doi.org/10.1016/j.jvolgeores.2018.04.006). WOS:000438000700006
105. **Martínez-Moreno FJ**, Delgado-Ramos F, Galindo-Zaldívar J, Martín-Rosales W, López-Chicano M, González-Castillo L (2018) Identification of leakage and potential areas for internal erosion combining ERT and IP techniques at the Negratín Dam left abutment (Granada, southern Spain), *Engineering Geology*, 240, 74-80. DOI: [10.1016/j.enggeo.2018.04.012](https://doi.org/10.1016/j.enggeo.2018.04.012). WOS:000435060500007
106. **Martínez-Moreno FJ, Monteiro Santos FA**, Galindo-Zaldívar J, González-Castillo L, Pedrera A, Bernardo I, Gonçalves S, Alves Ribeiro J (2018, in press) Characterisation of a cave by means of microgravity and electrical resistivity 3D-inversions: Zé de Braga cave (Mira de Aire, Portugal), *First Break*, 36 (10), 19-34. DOI: [10.3997/1365-2397.2018004](https://doi.org/10.3997/1365-2397.2018004)
107. **Martínez-Moreno FJ, Monteiro Santos FA, Madeira J, Pous J, Bernardo I, Soares A, Esteves M, Adão F, Ribeiro J, Mata J, Brum da Silveira A** (2018) Investigating collapse structures in oceanic islands using magnetotelluric surveys: The case of Fogo Island in Cape Verde, *Journal of Volcanology and Geothermal Research*, 357, 152-162. DOI: [10.1016/j.jvolgeores.2018.04.028](https://doi.org/10.1016/j.jvolgeores.2018.04.028). WOS:000438000700011
108. **Martins DMS**, Mirão JP, Göttlicher J, Molinari M, Steininger R, Parker SC, **Gonçalves MA** (2018) Combined EXAFS and ab initio study of copper complex geometries adsorbed on natural illite, *Applied Clay Science*, 152, 73-82. DOI: [10.1016/j.clay.2017.10.034](https://doi.org/10.1016/j.clay.2017.10.034). WOS:000424173000009
109. Martins MVA, Rey D, Pereira E, Plaza-Morlote M, Salgueiro E, **Moreno J**, Duleba W, Ribeiro S, dos Santos JF, Dardon U, Bernabeu A, Rubio B, Laut LLM, Frontalini F, Rodrigues MAD, Rocha F (2018)

- Influence of dominant wind patterns in a distal region of the NW Iberian Margin during the last glaciation, *Journal of the Geological Society*, 175 (2), 321-335. DOI: [10.1144/jgs2017-075](https://doi.org/10.1144/jgs2017-075). WOS:000426880200009
110. **Martins NR, da Graça GC** (2018) Effects of airborne fine particle pollution on the usability of natural ventilation in office buildings in three megacities in Asia, *Renewable Energy*, 117, 357-373. DOI: [10.1016/j.renene.2017.10.089](https://doi.org/10.1016/j.renene.2017.10.089). WOS:000416498700031
111. **Martins NR, da Graça GC** (2018) Impact of PM2.5 in indoor urban environments: A review, *Sustainable Cities and Society*, 42, 259-275. DOI: [10.1016/j.scs.2018.07.011](https://doi.org/10.1016/j.scs.2018.07.011). WOS:000443741600023
112. **Mateus P, Miranda PMA, Nico G, Catalao J, Pinto P, Tome R** (2018) Assimilating InSAR Maps of Water Vapor to Improve Heavy Rainfall Forecasts: A Case Study with Two Successive Storms, *Journal of Geophysical Research – Atmospheres*, 123 (7), 3341-3355. DOI: [10.1002/2017JD027472](https://doi.org/10.1002/2017JD027472). WOS:000430786500002
113. **Matos C, Custodio S, Batlo J, Zahradnik J, Arroucau P, Silveira G, Heimann S** (2018) An Active Seismic Zone in Intraplate West Iberia Inferred from High-Resolution Geophysical Data, *Journal of Geophysical Research – Solid Earth*, 123 (4), 2885-2907. DOI: [10.1002/2017JB015114](https://doi.org/10.1002/2017JB015114). WOS:000434133700021
114. Mayoral E, Santos A, Vintaned JAG, Ledesma-Vazquez J, Baarli BG, **Cachao M, da Silva CM, Johnson ME** (2018) Upper Pleistocene trace fossils from Ponta das Bicudas, Santiago, Cape Verde Islands: Systematics, taphonomy and palaeoenvironmental evolution, *Palaeogeography Palaeoclimatology Palaeoecology*, 498, 83-98. DOI: [10.1016/j.palaeo.2018.03.003](https://doi.org/10.1016/j.palaeo.2018.03.003). WOS:000430785200007
115. **Mellado-Cano J, Barriopedro D, Garcia-Herrera R, Trigo RM, Alvarez-Castro MC** (2018) Euro-Atlantic Atmospheric Circulation during the Late Maunder Minimum, *Journal of Climate*, 31 (10), 3849-3863. DOI: [10.1175/JCLI-D-17-0261.1](https://doi.org/10.1175/JCLI-D-17-0261.1). WOS:000430540200004
116. **Melo CS, Ramalho RS, Quartau R, Hipolito A, Gil A, Borges PA, Cardigos F, Avila SP, Madeira J, Gaspar JL** (2018) Genesis and morphological evolution of coastal talus-platforms (fajas) with lagoons: The case study of the newly-formed Faja dos Milagres (Corvo Island, Azores), *Geomorphology*, 310, 138-152. DOI: [10.1016/j.geomorph.2018.03.006](https://doi.org/10.1016/j.geomorph.2018.03.006). WOS:000435065000010
117. Merabti A, **Martins DS, Meddi M, Pereira LS** (2018) Spatial and Time Variability of Drought Based on SPI and RDI with Various Time Scales, *Water Resources Management*, 32 (3), 1087-1100. DOI: [10.1007/s11269-017-1856-6](https://doi.org/10.1007/s11269-017-1856-6). WOS:000422982300016
118. Merabti A, **Martins DS, Meddi M, Pereira LS** (2018) Spatial and Time Variability of Drought Based on SPI and RDI with Various Time Scales (vol 32, pg 1087, 2018), *Water Resources Management*, 32 (8), 2917-2918. DOI: [10.1007/s11269-018-1913-9](https://doi.org/10.1007/s11269-018-1913-9). WOS:000432147200022
119. Merabti A, Meddi M, **Martins DS, Pereira LS** (2018) Comparing SPI and RDI Applied at Local Scale as Influenced by Climate, *Water Resources Management*, 32 (3), 1071-1085. DOI: [10.1007/s11269-017-1855-7](https://doi.org/10.1007/s11269-017-1855-7). WOS:000422982300015
120. Monsef I, Monsef R, **Mata J, Zhang Z, Pirouz M, Rezaeian M, Esmaili R, Xiao W** (2018) Evidence for an early-MORB to fore-arc evolution within the Zagros suture zone: Constraints from zircon U-Pb geochronology and geochemistry of the Neyriz ophiolite (South Iran), *Gondwana Research*, 62, 287-305. DOI: [10.1016/j.gr.2018.03.002](https://doi.org/10.1016/j.gr.2018.03.002). WOS:000454185200018

121. Moreira E, **Russo A, Trigo RM** (2018) Monthly prediction of drought classes using log-linear models under the influence of NAO for early-warning of drought and water management, *Water*, 10 (1), 65. DOI: [10.3390/w10010065](https://doi.org/10.3390/w10010065). WOS:000424397400062
122. **Moreno J, Fatela F, Goncalves MA**, Leorri E, **Trigo RM**, Moreno F, Gomez-Navarro JJ, Brazdil R, Ferreira MJ (2018) Climate reconstruction for the Entre-Douro-e-Minho region (NW Portugal) between AD 1626 and AD 1820: synthesis of viticulture data and foraminiferal evidence, *Boreal*, 47 (4), 1033-1049. DOI: [10.1111/bor.12331](https://doi.org/10.1111/bor.12331). WOS:0004444943600004
123. **Neres M**, Neves MC, **Custódio S**, Palano M, Fernandes R, **Matias L**, Carafa M, **Terrinha P** (2018) Gravitational potential energy in Iberia: a driver of active deformation in high topography regions, *Journal of Geophysical Research: Solid Earth*, 123 (11), 10277-10296. DOI: [10.1029/2017JB015002](https://doi.org/10.1029/2017JB015002)
124. **Neres M, Terrinha P, Custódio S, Silva SM, Luis J, Miranda JM** (2018) Geophysical evidence for a magmatic intrusion in the ocean-continent transition of the SW Iberia margin, *Tectonophysics*, 744, 118-133. DOI: [10.1016/j.tecto.2018.06.014](https://doi.org/10.1016/j.tecto.2018.06.014). WOS:000445987000009
125. **Neves M, Custódio S**, Peng ZG, Ayorinde A (2018) Earthquake triggering in southeast Africa following the 2012 Indian Ocean earthquake, *Geophysical Journal International*, 212 (2), 1331-1343. DOI: [10.1093/gji/ggx462](https://doi.org/10.1093/gji/ggx462). WOS:000418703900040
126. Nico G, Oliveira SC, **Catalao J**, Zezere JL (2018) Generation of Persistent Scatterers in Non-Urban Areas: The Role of Microwave Scattering Parameters, *Geosciences*, 8 (7), UNSP 269. DOI: [10.3390/geosciences8070269](https://doi.org/10.3390/geosciences8070269). WOS:000445150300044
127. **Nogueira M, Soares PMM, Tomé R, Cardoso RM** (2018, online early) High-resolution multi-model projections of onshore wind resources over Portugal under a changing climate, *Theoretical and Applied Climatology*. DOI: [10.1007/s00704-018-2495-4](https://doi.org/10.1007/s00704-018-2495-4)
128. Oliva M, Ruiz-Fernández J, Barriendos M, Benito G, Cuadrat JM, Domínguez-Castro F, García-Ruiz JM, Giralt S, Gómez-Ortiz A, **Hernández A**, López-Costas O, López-Moreno J, López-Sáez JA, Martínez-Cortizas A, Moreno A, Proho, M, Saz MA, Serrano E, Tejedó E, **Trigo R**, Valero-Garcés B, Vicente-Serrano SM (2018) The Little Ice Age in Iberian mountains, *Earth-Science Reviews*, 177, 175-208. DOI: [10.1016/j.earscirev.2017.11.010](https://doi.org/10.1016/j.earscirev.2017.11.010). WOS:000426409200012
129. Oliveira D, Desprat S, Yin QZ, Naughton F, **Trigo R**, Rodrigues T, Abrantes F, Goni MFS (2018) Unraveling the forcings controlling the vegetation and climate of the best orbital analogues for the present interglacial in SW Europe, *Climate Dynamics*, 51 (1-2), 667-686. DOI: [10.1007/s00382-017-3948-7](https://doi.org/10.1007/s00382-017-3948-7). WOS:000435522000040
130. **Ortigueira J, Silva C**, Moura P (2018) Assessment of the adequacy of different Mediterranean waste biomass types for fermentative hydrogen production and the particular advantage of carob (*Ceratonia siliqua* L.) pulp, *International Journal of Hydrogen Energy*, 43 (16), 7773-7783. DOI: [10.1016/j.ijhydene.2018.03.024](https://doi.org/10.1016/j.ijhydene.2018.03.024). WOS:000430897000005
131. Paixao SM, Alves L, Pacheco R, **Silva CM** (2018) Evaluation of Jerusalem artichoke as a sustainable energy crop to bioethanol: energy and CO₂eq emissions modeling for an industrial scenario, *Energy*, 150, 468-481. DOI: [10.1016/j.energy.2018.02.145](https://doi.org/10.1016/j.energy.2018.02.145). WOS:000431748400037
132. Palma JHN, **Cardoso RM, Soares PMM**, Oliveira TS, Tomé M (2018) Using high-resolution simulated climate projections in forest process-based modelling, *Agricultural and Forest Meteorology*, 263, 100-106. DOI: [10.1016/j.agrformet.2018.08.008](https://doi.org/10.1016/j.agrformet.2018.08.008). WOS:000449236500009

133. **Panao MJNO, Brito MC** (2018) Modelling aggregate hourly electricity consumption based on bottom-up building stock, *Energy and Buildings*, 170, 170-182. DOI: [10.1016/j.enbuild.2018.04.010](https://doi.org/10.1016/j.enbuild.2018.04.010). WOS:000435624100016
134. Panisset JS, Libonati R, **Gouveia CMP**, Machado-Silva F, Franca DA, Franca JRA, Peres LF (2018) Contrasting patterns of the extreme drought episodes of 2005, 2010 and 2015 in the Amazon Basin, *International Journal of Climatology*, 38 (2), 1096-1104. DOI: [10.1002/joc.5224](https://doi.org/10.1002/joc.5224). WOS:000423816900040
135. Paredes P, **Martins DS**, Pereira LS, Cadima J, **Pires C** (2018) Accuracy of daily estimation of grass reference evapotranspiration using ERA-Interim reanalysis products with assessment of alternative bias correction schemes, *Agricultural Water Management*, 210, 340-353. DOI: [10.1016/j.agwat.2018.08.003](https://doi.org/10.1016/j.agwat.2018.08.003). WOS:000445715200037
136. Parente J, **Pereira MG**, Amraoui M, Fischer EM (2018) Heat waves in Portugal: Current regime, changes in future climate and impacts on extreme wildfires, *Science of the Total Environment*, 631-632, 534-549. DOI: [10.1016/j.scitotenv.2018.03.044](https://doi.org/10.1016/j.scitotenv.2018.03.044). WOS:000432471900055
137. Paris R, **Ramalho RS**, **Madeira J**, Ávila S, May SM, Rixhon G, Engel M, Brückner H, Herzog M, Schukraft G, Perez-Torrado FJ, Rodriguez-Gonzalez A, Carracedo JC, Giachetti T (2018) Megatsunami conglomerates and flank collapses of ocean island volcanoes, *Marine Geology*, 395, 168-187. DOI: [10.1016/j.margeo.2017.10.004](https://doi.org/10.1016/j.margeo.2017.10.004). WOS:000423645300013 [Invited review]
138. Pastor Galán D, **Dias da Silva Í**, Groenewegen T, Krijgsman W (2018, online early) Tangled up in folds: tectonic significance of superimposed folding at the core of the Central Iberian curve (W Iberia), *International Geology Review*. DOI: [10.1080/00206814.2017.1422443](https://doi.org/10.1080/00206814.2017.1422443)
139. **Pereira MF**, Diez Fernandez R, Gama C, Hofmann M, Gartner A, Linnemann U (2018) S-type granite generation and emplacement during a regional switch from extensional to contractional deformation (Central Iberian Zone, Iberian autochthonous domain, Variscan Orogeny), *International Journal of Earth Sciences*, 107 (1), 251-267. DOI: [10.1007/s00531-017-1488-3](https://doi.org/10.1007/s00531-017-1488-3). WOS:000419460800020
140. Pereira S, **Ramos AM**, **Rebello L**, **Trigo RM**, Zêzere JL (2018) A centennial catalogue of hydrogeomorphological events and their atmospheric forcing, *Advances in Water Resources*, 122, 98-112. DOI: [10.1016/j.advwatres.2018.10.001](https://doi.org/10.1016/j.advwatres.2018.10.001). WOS:000450094200008
141. Pereira Z, Fernandes P, Matos JX, **Jorge RCGS**, Oliveira JT (2018) Stratigraphy of the Northern Pulo do Lobo Domain, SW Iberia Variscides: A palynological contribution, *Geobios*, 51 (6), 491-506. DOI: [10.1016/j.geobios.2018.04.001](https://doi.org/10.1016/j.geobios.2018.04.001)
142. Pfeffer MA, Bergsson B, Barsotti S, Stefansdottir G, Galle B, Arellano S, Conde V, Donovan A, Ilyinskaya E, Burton M, Aiuppa A, Whitty RCW, Simmons IC, Arason P, Jonasdottir EB, Keller NS, Yeo RF, Arngrimsson H, Johannsson P, Butwin MK, Askew RA, **Dumont S**, von Lowis S, Ingvarsson P, La Spina A, Thomas H, Prata F, Grassa F, Giudice G, Stefansson A, Marzano F, Montopoli M, Mereu L (2018) Ground-Based Measurements of the 2014-2015 Holuhraun Volcanic Cloud (Iceland), *Geosciences*, 8 (1), UNSP 29. DOI: [10.3390/geosciences8010029](https://doi.org/10.3390/geosciences8010029). WOS:000424119100029
143. Pinheiro JM, Schnurle P, Evain M, Afilhado A, Gallais F, Klingelhofer F, **Loureiro A**, Fuck R, Soares J, Cupertino JA, Viana A, Rabineau M, Baltzer A, Benabdellouahed M, **Dias N**, Moulin M, Aslanian D, Morvan L, Mazé JP, Pierre D, Roudaut-Pitel M, **Rio I**, **Alves D**, Barros Junior P, Biari Y, **Corela C**, Crozon J, **Duarte JL**, Ducatel C, Falcão C, Fernagu P, Le Piver D, Mokeddem Z, Pelleau P, Rigoti C,

- Roest W, Roudaut M, SALSA Team (2018) Lithospheric structuration onshore-offshore of the Sergipe-Alagoas passive margin, NE Brazil, based on wide-angle seismic data, *Journal of South America Earth Sciences*, 88, 649-672. DOI: [10.1016/j.jsames.2018.09.015](https://doi.org/10.1016/j.jsames.2018.09.015). WOS:000452946100043
144. Pinto JF, **da Graca GC** (2018) Comparison between geothermal district heating and deep energy refurbishment of residential building districts, *Sustainable Cities and Society*, 38, 309-324. DOI: [10.1016/j.scs.2018.01.008](https://doi.org/10.1016/j.scs.2018.01.008). WOS:000430393800028
145. Policarpo NA, **Silva C**, Lopes TFA, Araújo RDS, Cavalcante FS, Pitombo CS, Oliveira MLMD (2018) Road vehicle emission inventory of a Brazilian metropolitan area and insights for other emerging economies, *Transportation Research Part D: Transport and Environment*, 58, 172-185. DOI: [10.1016/j.trd.2017.12.004](https://doi.org/10.1016/j.trd.2017.12.004). WOS:000425198400013
146. **Ponte J**, **Font E**, Veiga-Pires C, Hilaire-Marcel C (2018) Speleothems as Magnetic Archives: Paleosecular Variation and a Relative Paleointensity Record from a Portuguese Speleothem, 19 (9), 2962-2972, *Geochemistry Geophysics Geosystems*. DOI: [10.1029/2018GC007651](https://doi.org/10.1029/2018GC007651). WOS:000448475100005
147. Pradhan PK, **Liberato MLR**, Ferreira JA, Dasamsetti S, Rao SVB (2018) Characteristics of different convective parameterization schemes on the simulation of intensity and track of severe extratropical cyclones over North Atlantic, *Atmospheric Research*, 199, 128-144. DOI: [10.1016/j.atmosres.2017.09.007](https://doi.org/10.1016/j.atmosres.2017.09.007). WOS:000415908300011
148. Prazeres CM, Batista MJ, **Pinto AJ**, **Gonçalves MA** (2018) Uranium distribution and mobility in the weathering zone of the Nisa deposit, Portugal, *Journal of Iberian Geology*, 44, 497-512. DOI: [10.1007/s41513-018-0074-2](https://doi.org/10.1007/s41513-018-0074-2). WOS:000444479300007
149. Quartau R, **Ramalho RS**, **Madeira J**, Santos R, Rodrigues A, **Roque C**, Carrara G, **Brum da Silveira A** (2018) Gravitational, erosional and depositional processes on volcanic ocean islands: Insights from the submarine morphology of Madeira Archipelago, *Earth and Planetary Science Letters*, 482, 288-299. DOI: [10.1016/j.epsl.2017.11.003](https://doi.org/10.1016/j.epsl.2017.11.003). WOS:000423892400028
150. **Quartau R**, Trenhaile AS, **Ramalho RS**, Mitchell NC (2018) The role of subsidence in shelf widening around ocean island volcanoes: Insights from observed morphology and modeling, *Earth and Planetary Science Letters*, 498, 408-417. DOI: [10.1016/j.epsl.2018.07.007](https://doi.org/10.1016/j.epsl.2018.07.007). WOS:000442060600036
151. Ramalho I, **Omira R**, El Moussaoui S, **Baptista MA**, Zaghoul MN (2018) Tsunami-induced morphological change - A model-based impact assessment of the 1755 tsunami in NE Atlantic from the Morocco coast, *Geomorphology*, 319, 78-91. DOI: [10.1016/j.geomorph.2018.07.013](https://doi.org/10.1016/j.geomorph.2018.07.013). WOS:000444927500006
152. Ramalho SP, Ribeiro C, Hensen C, Scholz F, Nuzzo M, **Terrinha P**, Adao H (2018) Benthic nematode biodiversity of the Abzu, Tiamat and Michael Ivanov mud volcanoes located along the SWIM fracture zone (Gulf of Cadiz), *Marine Biodiversity*, 48 (1), 423-438. DOI: [10.1007/s12526-017-0809-x](https://doi.org/10.1007/s12526-017-0809-x). WOS:000428260400032
153. **Ramos AM**, **Martins MJ**, **Tome R**, **Trigo RM** (2018) Extreme Precipitation Events in Summer in the Iberian Peninsula and Its Relationship with Atmospheric Rivers, *Frontiers in Earth Sciences*, 6, UNSP 110. DOI: [10.3389/feart.2018.00110](https://doi.org/10.3389/feart.2018.00110). WOS:000441757100002
154. **Ramos AM**, **Trigo RM**, **Tome R**, **Liberato MLR** (2018) Impacts of Atmospheric Rivers in Extreme Precipitation on the European Macaronesian Islands, *Atmosphere*, 9 (8), 325. DOI: [10.3390/atmos9080325](https://doi.org/10.3390/atmos9080325). WOS:000443247300039

155. Raposo VB, **Melo CS**, Silva L, Ventura A, Câmara R, Pombo J, Johnson ME, Avila SP (2018) Comparing methods of evaluation of geosites: The fossiliferous outcrops of Santa Maria Island (Azores, NE Atlantic) as a case study for sustainable Island tourism, *Sustainability*, 10 (10), 3596. DOI: [10.3390/su10103596](https://doi.org/10.3390/su10103596). WOS:000448559400238
156. Rebelo AC, Johnson ME, **Quartau R**, Rasser MW, **Melo CS**, Neto AI, Tempera F, Madeira P, Ávila SP (2018) Modern rhodoliths from the insular shelf of Pico in the Azores (Northeast Atlantic Ocean), *Estuarine, Coastal and Shelf Science*, 210, 7-17. DOI: [10.1016/j.ecss.2018.05.029](https://doi.org/10.1016/j.ecss.2018.05.029). WOS:000439740000002
157. **Rebelo L**, **Ramos AM**, Pereira S, **Trigo RM** (2018) Meteorological Driving Mechanisms and Human Impacts of the February 1979 Extreme Hydro-Geomorphological Event in Western Iberia, *Water*, 10 (4), 454. DOI: [10.3390/w10040454](https://doi.org/10.3390/w10040454). WOS:000434954900108
158. Riato L, **Leira M**, Della Bella V, Oberholster PJ (2018) Development of a diatom-based multimetric index for acid mine drainage impacted depressional wetlands, *Science of the Total Environment*, 612, 214-222. DOI: [10.1016/j.scitotenv.2017.08.181](https://doi.org/10.1016/j.scitotenv.2017.08.181). WOS:000413313700021
159. Ribau JP, Vieira SM, **Silva CM** (2018) Selecting sustainable electric bus powertrains using multipreference evolutionary algorithms, *International Journal of Sustainable Transportation*, 12 (8), 592-612. DOI: [10.1080/15568318.2017.1418464](https://doi.org/10.1080/15568318.2017.1418464). WOS:000439888000005
160. **Ribeiro AFS**, **Russo A**, Gouveia CM, **Páscoa P** (2018, online early) Modelling drought-related yield losses in Iberia using remote sensing and multiscalar indices, *Theoretical and Applied Climatology*. DOI: [10.1007/s00704-018-2478-5](https://doi.org/10.1007/s00704-018-2478-5)
161. Ricchi A, **Quartau R**, **Ramalho RS**, Romagnoli C, Casalbore D, da Cruz JV, Fradique C, Vinhas A (2018) Marine terrace development on reefless volcanic islands: New insights from high-resolution marine geophysical data offshore Santa Maria Island (Azores Archipelago), *Marine Geology*, 406, 42-56. DOI: [10.1016/j.margeo.2018.09.002](https://doi.org/10.1016/j.margeo.2018.09.002). WOS:000449444300005
162. **Rijo N**, **Semedo A**, **Miranda PMA**, **Lima D**, **Cardoso RM**, **Soares PMM** (2018) Spatial and temporal variability of the Iberian Peninsula coastal low-level jet, *International Journal of Climatology*, 38 (4), 1605-1622. DOI: [10.1002/joc.5303](https://doi.org/10.1002/joc.5303). WOS:000427011700001
163. Romagnoli C, Casalbore D, Ricchi A, Lucchi F, **Quartau R**, Bosman A, Tranne CA, Chiocci FL (2018) Morpho-bathymetric and seismo-stratigraphic analysis of the insular shelf of Salina (Aeolian archipelago) to unveil its Late-Quaternary geological evolution, *Marine Geology*, 395, 133-151. DOI: [10.1016/j.margeo.2017.10.003](https://doi.org/10.1016/j.margeo.2017.10.003). WOS:000423645300011
164. Rostami MA, Leckie RM, **Font E**, Frontalini F, Finkelstein D, Koeberl C (2018) The Cretaceous-Paleogene transition at Galanderud (northern Alborz, Iran): A multidisciplinary approach, *Palaeogeography Palaeoclimatology Palaeoecology*, 493, 82-101. DOI: [10.1016/j.palaeo.2018.01.001](https://doi.org/10.1016/j.palaeo.2018.01.001). WOS:000425071100008
165. Ruffault J, Curt T, Martin-StPaul NK, Moron V, **Trigo RM** (2018) Extreme wildfire events are linked to global-change-type droughts in the northern Mediterranean, *Natural Hazards and Earth System Sciences*, 18 (3), 847-856. DOI: [10.5194/nhess-18-847-2018](https://doi.org/10.5194/nhess-18-847-2018). WOS:000427729800001
166. **Russo A**, **Gouveia CM**, **Soares PMM**, **Cardoso RM**, Mendes MT, **Trigo RM** (2018) The unprecedented 2014 Legionnaires' disease outbreak in Portugal: atmospheric driving mechanisms, *International Journal of Biometeorology*, 62 (7), 1167-1179. DOI: [10.1007/s00484-018-1520-8](https://doi.org/10.1007/s00484-018-1520-8). WOS:000437135100005

167. Saez A, Carballeira R, Pueyo JJ, Vazquez-Loureiro D, **Leira M, Hernandez A**, Valero-Garces BL, Bao R (2018) Formation and evolution of back-barrier perched lakes in rocky coasts: An example of a Holocene system in north-west Spain, *Sedimentology*, 65 (6), 1891-1917. DOI: [10.1111/sed.12451](https://doi.org/10.1111/sed.12451). WOS:000445275300004
168. Sanchez-Benitez A, Garcia-Herrera R, Barriopedro D, Sousa PM, **Trigo RM** (2018) June 2017: The Earliest European Summer Mega-heatwave of Reanalysis Period, *Geophysical Research Letters*, 45 (4), 1955-1962. DOI: [10.1002/2018GL077253](https://doi.org/10.1002/2018GL077253). WOS:000427564300030
169. Santos AMP, **Nieblas AE**, Verley P, **Teles-Machado A**, Bonhommeau S, Lett C, Garrido S, **Peliz A** (2018) Sardine (*Sardina pilchardus*) larval dispersal in the Iberian upwelling system, using coupled biophysical techniques, *Progress in Oceanography*, 162, 83-97. DOI: [10.1016/j.pocean.2018.02.011](https://doi.org/10.1016/j.pocean.2018.02.011). WOS:000431163600007
170. Schiller M, Bizzarro M, **Fernandes VA** (2018) Isotopic evolution of the protoplanetary disk and the building blocks of Earth and the Moon, *Nature*, 555 (7697), 507. DOI: [10.1038/nature25990](https://doi.org/10.1038/nature25990). WOS:000427937900050
171. **Semedo A** (2018) Seasonal Variability of Wind Sea and Swell Waves Climate along the Canary Current: The Local Wind Effect, *Journal of Marine Science and Engineering*, 6 (1), 28. DOI: [10.3390/jmse6010028](https://doi.org/10.3390/jmse6010028). WOS:000428558900027
172. **Semedo A**, Dobrynin M, Lemos G, Behrens A, Staneva J, de Vries H, Sterl A, Bidlot JR, **Miranda PMA**, Murawski J (2018) CMIP5-Derived Single-Forcing, Single-Model, and Single-Scenario Wind-Wave Climate Ensemble: Configuration and Performance Evaluation, *Journal of Marine Science and Engineering*, 6 (3), 90. DOI: [10.3390/jmse6030090](https://doi.org/10.3390/jmse6030090). WOS:000445858900017
173. Semedo A, **Soares PMM**, **Lemos G** (2018) Waves along Eastern boundary currents - The regional winds, *Ocean Modelling*, 129, 39-57. DOI: [10.1016/j.ocemod.2018.07.005](https://doi.org/10.1016/j.ocemod.2018.07.005). WOS:000441289300003
174. **Serra FC, Silva JA, Serra JM**, Vallêra AM (2018) Silicon on Dust Substrate: The Effect of Powder Size on Ribbon Production, *Physica Status Solidi (A) Applications and Materials Science*, 215 (17), 1701052. DOI: [10.1002/pssa.201701052](https://doi.org/10.1002/pssa.201701052). WOS:000444408000011
175. Shields CA, Rutz JJ, Leung LY, Ralph FM, Wehner M, Kawzenuk B, Lora JM, McClenny E, Osborne T, Payne AE, Ullrich P, Gershunov A, Goldenson N, Guan B, Qian Y, **Ramos AM**, Sarangi C, Sellars S, Gorodetskaya I, Kashinath K, Kurlin V, Mahoney K, Muszynski G, Pierce R, Subramanian AC, **Tome R**, Waliser D, Walton D, Wick G, Wilson A, Lavers D, Prabhat, Collow A, Krishnan H, Magnúsdóttir G, Nguyen P (2018) Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design, *Geoscientific Model Development*, 11 (6), 2455-2474. DOI: [10.5194/gmd-11-2455-2018](https://doi.org/10.5194/gmd-11-2455-2018). WOS:000435636400004
176. **Silva JA, Silva RA**, Peral A, del Cañizo C (2018) A One Step Method to Produce Boron Emitters, *Physica Status Solidi (A) Applications and Materials Science*, 215 (17), 1701076. DOI: [10.1002/pssa.201701076](https://doi.org/10.1002/pssa.201701076). WOS:000444408000012
177. **Silva PF**, Henry B, Marques FO, **Hildenbrand A**, Lopes A, Madureira P, **Madeira J, Nunes JC**, Roxerova Z (2018) Volcano-tectonic evolution of a linear volcanic ridge (Pico-Faial Ridge, Azores Triple Junction) assessed by paleomagnetic studies, *Journal of Volcanology and Geothermal Research*, 352, 78-91. DOI: [10.1016/j.jvolgeores.2018.01.005](https://doi.org/10.1016/j.jvolgeores.2018.01.005). WOS:000428009600006

178. **Silva RAE, Baptista JM, Brito MC** (2018) Data-driven estimation of expected photovoltaic generation, *Solar Energy*, 166, 116-122. DOI: [10.1016/j.solener.2018.03.039](https://doi.org/10.1016/j.solener.2018.03.039). WOS:000432235100015
179. **Silva RAE, Brito MC** (2018) Impact of network layout and time resolution on spatio-temporal solar forecasting, *Solar Energy*, 163, 329-337. DOI: [10.1016/j.solener.2018.01.095](https://doi.org/10.1016/j.solener.2018.01.095). WOS:000430519400034
180. Siopa D, Nunes R, Martins F, Santos MSCS, **Lobato K**, Gomes A (2018) The role of ethanol-water solvent mixtures in N719 sensitization of electrodeposited ZnO nanorods, *Journal of Solid State Electrochemistry*, 22 (9), 2779-2787. DOI: [10.1007/s10008-018-3985-0](https://doi.org/10.1007/s10008-018-3985-0). WOS:000441363100015
181. **Soares PMM, Cardoso RM** (2018) A simple method to assess the added value using high-resolution climate distributions: application to the EURO-CORDEX daily precipitation, *International Journal of Climatology*, 38 (3), 1484-1498. DOI: [10.1002/joc.5261](https://doi.org/10.1002/joc.5261). WOS:000426729300028
182. **Soares PMM, Lima DCA**, Semedo A, **Cardoso RM**, Cabos W, Sein D (2018, online early) The North African coastal low level wind jet: a high resolution view, *Climate Dynamics*. DOI: [10.1007/s00382-018-4441-7](https://doi.org/10.1007/s00382-018-4441-7)
183. Solano JC, **Brito MC**, Caamano-Martin E (2018) Impact of fixed charges on the viability of self-consumption photovoltaics, *Energy Policy*, 122, 322-331. DOI: [10.1016/j.enpol.2018.07.059](https://doi.org/10.1016/j.enpol.2018.07.059). WOS:000447576700030
184. **Sousa PM**, Blamey RC, Reason CJC, **Ramos AM, Trigo RM** (2018) The 'Day Zero' Cape Town drought and the poleward migration of moisture corridors, *Environmental Research Letters*, 13 (12), 124025. DOI: [10.1088/1748-9326/aaebc7](https://doi.org/10.1088/1748-9326/aaebc7). WOS:000453617300005
185. **Sousa PM, Trigo RM**, Barriopedro D, **Soares PMM**, Santos JA (2018) European temperature responses to blocking and ridge regional patterns, *Climate Dynamics*, 50 (1-2), 457-477. DOI: [10.1007/s00382-017-3620-2](https://doi.org/10.1007/s00382-017-3620-2). WOS:000422908700029
186. Spieker K, Rondenay S, **Ramalho R**, Thomas C, Helffrich G (2018) Constraints on the structure of the crust and lithosphere beneath the Azores Islands from teleseismic receiver functions, *Geophysical Journal International*, 213 (2), 824-835. DOI: [10.1093/gji/ggy022](https://doi.org/10.1093/gji/ggy022)
187. Stolzenburg D, Fischer L, Vogel AL, Heinritzi M, Schervish M, Simon M, Wagner AC, Dada L, Ahonen LR, Amorim A, Baccarini A, Bauer PS, Baumgartner B, Bergen A, Bianchi F, Breitenlechner M, Brilke S, Mazon SB, Chen DX, Dias A, Draper DC, Duplissy J, Haddad I, Finkenzeller H, Frege C, Fuchs C, Garmash O, Gordon H, He X, Helm J, Hofbauer V, Hoyle CR, Kim C, Kirkby J, Kontkanen J, Kuerten A, Lampilahti J, Lawler M, Lehtipalo K, Leiminger M, Mai H, Mathot S, Mentler B, Molteni U, Nie W, Nieminen T, Nowak JB, Ojdanic A, Onnela A, Passananti M, Petaja T, Quelever LLJ, Rissanen MP, Sarnela N, Schallhart S, Tauber C, **Tome A**, Wagner R, Wang M, Weitz L, Wimmer D, Xiao M, Yan C, Ye P, Zha Q, Baltensperger U, Curtius J, Dommen J, Flagan RC, Kulmala M, Smith JN, Worsnop DR, Hansel A, Donahue NM, Winkler PM (2018) Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range, *Proceedings of the National Academy of Sciences of the United States of America*, 115 (37), 9122-9127. DOI: [10.1073/pnas.1807604115](https://doi.org/10.1073/pnas.1807604115). WOS:000444257200043
188. **Strak V**, Schellart WP (2018) A subduction and mantle plume origin for Samoan volcanism, *Scientific Reports*, 8, 10424. DOI: [10.1038/s41598-018-28267-3](https://doi.org/10.1038/s41598-018-28267-3). WOS:000438190200001

189. Stratoudakis Y, Oliveira PB, **Teles-Machado A**, Oliveira JM, Correia MJ, Antunes C (2018) Glass eel (*Anguilla anguilla*) recruitment to the river Lis: Ingress dynamics in relation to oceanographic processes in the western Iberian margin and shelf, *Fisheries Oceanography*, 27 (6), 536-547. DOI: [10.1111/fog.12274](https://doi.org/10.1111/fog.12274). WOS:000446561000004
190. **Szalaj D**, Wise L, Rodriguez-Climent S, Angelico MM, Marques V, Chaves C, Silva A, Cabral H (2018) A GIS-based framework for addressing conflicting objectives in the context of an ecosystem approach to fisheries management: a case study of the Portuguese sardine fishery, *ICES Journal of Marine Science*, 75 (6), 2070-2087. DOI: [10.1093/icesjms/fsy094](https://doi.org/10.1093/icesjms/fsy094). WOS:000452130300021
191. **Terrinha P**, Pueyo EL, Aranguren A, Kullberg JC, Kullberg MC, Casas-Sainz A, Azevedo MD (2018) Gravimetric and magnetic fabric study of the Sintra Igneous complex: laccolith-plug emplacement in the Western Iberian passive margin, *International Journal of Earth Sciences*, 107 (5), 1807-1833. DOI: [10.1007/s00531-017-1573-7](https://doi.org/10.1007/s00531-017-1573-7). WOS:000435944200014
192. **Teves-Costa P**, Mendes JM (2018) Special issue: Natural hazards, modelling, risk assessment and the role of scale, Editorial, *Natural Hazards*, 93, 1-3. DOI: [10.1007/s11069-018-3416-7](https://doi.org/10.1007/s11069-018-3416-7) [Editorial]. WOS:000444462100001
193. Tonini M, Parente J, **Pereira MG** (2018) Global assessment of rural-urban interface in Portugal related to land cover changes, *Natural Hazards and Earth System Sciences*, 18 (6), 1647-1664. DOI: [10.5194/nhess-18-1647-2018](https://doi.org/10.5194/nhess-18-1647-2018). WOS:000435154300003
194. Torghabeh AK, **Pimentel N**, Jahandari A, Wang GL (2018) Mineralogy, composition and heavy metals' concentration, distribution and source identification of surface sediments from the saline Maharlou Lake (Fars Province, Iran), *Environmental Earth Sciences*, 77 (19), 700. DOI: [10.1007/s12665-018-7877-5](https://doi.org/10.1007/s12665-018-7877-5). WOS:000446471800002
195. **Trigo IF**, de Bruin H, Beyrich F, Bosveld FC, Gavilan P, Groh J, Lopez-Urrea R (2018) Validation of reference evapotranspiration from Meteosat Second Generation (MSG) observations, *Agricultural and Forest Meteorology*, 259, 271-285. DOI: [10.1016/j.agrformet.2018.05.008](https://doi.org/10.1016/j.agrformet.2018.05.008). WOS:000437064400025
196. Trindade A, **Teves-Costa P**, **Catita C** (2018) A GIS-based analysis of constraints on pedestrian tsunami evacuation routes: Cascais case study (Portugal), *Natural Hazards*, 93, 169-185. DOI: [10.1007/s11069-017-3152-4](https://doi.org/10.1007/s11069-017-3152-4). WOS:000444462100011
197. Uchman A, Torres P, Johnson ME, Berning B, **Ramalho RS**, Rebelo AC, **Melo CS**, Baptista L, Madeira P, Cordeiro R, Ávila SP (2018) Feeding Traces of Recent Ray Fish and Occurrences of the Trace Fossil *Piscichnus Waitemata* from the Pliocene of Santa Maria Island, Azores (Northeast Atlantic), *Palaios*, 33, 361-375. DOI: [10.2110/palo.2018.027](https://doi.org/10.2110/palo.2018.027). WOS:000443565700002
198. Vázquez M, Algarra I, Eiras-Barca J, **Ramos AM**, Nieto R, Gimeno L (2018) Atmospheric rivers over the Arctic: Lagrangian characterisation of their moisture sources, *Water*, 11 (1), 41. DOI: [10.3390/w11010041](https://doi.org/10.3390/w11010041)
199. Vicêncio H, **Teves-Costa P**, Sá Caetano P (2018) Site characterisation in Barreiro urban area (Portugal) using H/V and ReMi techniques, *Near Surface Geophysics* 16 (3), 298-312. DOI: [10.3997/1873-0604.2018006](https://doi.org/10.3997/1873-0604.2018006)
200. Wegmann M, **Dutra E**, Jacobi HW, Zolina O (2018) Spring snow albedo feedback over northern Eurasia: Comparing in situ measurements with reanalysis products, *Cryosphere*, 12 (6), 1887-1898. DOI: [10.5194/tc-12-1887-2018](https://doi.org/10.5194/tc-12-1887-2018). WOS:000434353600001

201. Wright VP, Cherns L, **Azeredo AC, Cabral MC** (2018) Testing whether early diagenesis of skeletal carbonate is different in non-marine settings: Contrasting styles of molluscan preservation in the Upper Jurassic of Portugal, *Palaeogeography Palaeoclimatology Palaeoecology*, 492, 1-9. DOI: [10.1016/j.palaeo.2017.11.014](https://doi.org/10.1016/j.palaeo.2017.11.014). WOS:000425072800001
202. Yano JI, Ziemianski MZ, Cullen M, Termonia P, Onvlee J, Bengtsson L, Carrassi A, Davy R, Deluca A, Gray SL, Homar V, Kohler M, Krichak S, Michaelides S, Phillips VTJ, **Soares PMM**, Wyszogrodzki AA (2018) Scientific Challenges of Convective-Scale Numerical Weather Prediction, *Bulletin of the American Meteorological Society*, 99 (4), 699-710. DOI: [10.1175/BAMS-D-17-0125.1](https://doi.org/10.1175/BAMS-D-17-0125.1). WOS:000432170900005

Articles in national journals

1. Caldeira B, Carvalho J, Alves D, Borges J, **Cabral J, Dias R, Casacão J**, Oliveira RJ, Leote J (2018) [Estudo Geofísico e Geológico da Falha de Vila Franca de Xira](#), *Gazeta de Física*, 40 (3-4), 20 pp.
2. **Custódio S, Silveira G** (2018) [Ondas do mar que iluminam o interior da Terra](#), *Gazeta de Física*, 40 (3-4), 14 pp.
3. **Lobato K, Brito MC, Aido M, Silva RA** (2018) [Um campus com energia solar](#), *Gazeta de Física*, 40 (3-4), 43 pp.
4. **Matias LM** (2018) [Localizar epicentros à mesa](#), *Gazeta de Física*, 40 (3-4), 33 pp.
5. **Miranda PMA, Cardoso RM, Soares PMM, Valente MA, Viterbo P** (2018) [A mudança climática](#), *Cultivar: cadernos de análise e prospectiva*, 12, 29-37
6. **Trigo RM** (2018) [Alterações climáticas: o ponto da situação](#), *Gazeta de Física*, 40 (3-4), 2 pp.

Books/books chapters

1. Duarte LV, Comas-Rengifo MJ, Hesselbo S, Mattioli E, Suan G, Baker S, **Cabral MC**, Correia V, Garcia Joral F, Goy A, Reolid M, Rita P, Félix F, Paredes R, Pittet B, Rocha RB (2018) The Toarcian Oceanic Anoxic Event at Peniche. An exercise in integrated stratigraphy - Stop 1.3. In: LV Duarte, RL Silva (eds) The Toarcian Oceanic Anoxic Event in the Western Iberian Margin and its context within the Lower Jurassic evolution of the Lusitanian Basin. Fieldtrip Guidebook. 2nd International Workshop on the Toarcian Oceanic Anoxic Event (2nd IW-TOAE), Coimbra, p. 33-54. ISBN: 978-989-98914-4-9
2. **Fernandes RMS, Catalão J**, Trota AN (2018) The Contribution of Space-Geodetic Techniques to the Understanding of the Present-Day Geodynamics of the Azores Triple Junction. In: Kueppers U, Beier C (eds) Volcanoes of the Azores. Active Volcanoes of the World, p. 57-69. Springer. DOI: [10.1007/978-3-642-32226-6_4](https://doi.org/10.1007/978-3-642-32226-6_4)
3. **Freire JG**, Gallas MR, Gallas JAC (2018) Nonchaos-mediated mixed-mode oscillations in a prey-predator model with predator dormancy. In: Edelman M, Macau E, Sanjuan M (eds) Chaotic, Fractional, and Complex Dynamics: New Insights and Perspectives, p. 101-114. Springer. DOI: [10.1007/978-3-319-68109-2_6](https://doi.org/10.1007/978-3-319-68109-2_6)
4. Moreira M, Madureira P, **Mata J** (2018) Noble Gas Constraints on the Origin of the Azores Hotspot. In: U Kueppers, C Beier (eds.) Volcanoes of the Azores, p. 281-299. Active Volcanoes of the World, Springer. DOI: [10.1007/978-3-642-32226-6_12](https://doi.org/10.1007/978-3-642-32226-6_12)
5. Sigmundsson F, Parks M, Pedersen R, Jónsdóttir K, Ófeigsson BG, Grapenthin R, **Dumont S**, Einarsson P, Drouin V, Heimisson ER, Hjartardóttir ÁR, Gudmundsson MT, Geirsson H, Hreinsdóttir S, Sturkell E, Hooper A, Högnadóttir Þ, Vogfjörð K, Barnie T, Roberts MJ (2018) Magma Movements in Volcanic Plumbing Systems and their Associated Ground Deformation and Seismic Patterns. In: S Burchardt (ed) Volcanic and Igneous Plumbing Systems - Understanding Magma Transport, Storage, and Evolution in the Earth's Crust, p. 285-322. Elsevier. DOI: [10.1016/B978-0-12-809749-6.00011-X](https://doi.org/10.1016/B978-0-12-809749-6.00011-X)

1. Amaro e Silva R, Teixeira da Silva LCC, Brito MC (2018) Support Vector Regression for Spatio-Temporal PV Forecasting, 35th EU PVSEC 2018, 24-28 September 2018, Brussel, Belgium
2. Andriolo U, Azevedo A, Taborda R, Mendes D, Sanchez Garcia E (2018) Nearshore hydro-morphological assessment from video monitoring technique: application on high-energy environment, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
3. Azerêdo AC, Silva AP, Duarte LV, Olho-Azul Martins M (2018) Distinguishing depositional from diagenetic facies: a crucial step towards understanding unconventional carbonate reservoirs like the complex Brazil Pre-Salt, Geophysical Research Abstracts, vol. 20, EGU2018-19032, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
4. Barata J, Duarte LV, Azerêdo AC (2018) The Jurassic Cabo Carvoeiro Formation as a potential offshore hydrocarbon reservoir along the Western Iberian Margin, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
5. Bastos AP, Ponte Lira C, Calvão J, Catalão J, Andrade C, Pereira AJ, Taborda R, Rato D, Pinho P, Correia O (2018) UAV Derived Information Applied to the Morphological Study of Slow-changing Dune Systems, Journal of Coastal Research, Special Issue 85, 226 – 230, 15th International Coastal Symposium (ICS 2018), 13-18 May 2018, Busan, Republic of Korea
6. Bellanger P, Slaoui A, Roques S, Ulyashin AG, Straboni A, Sow A, Salinesi Y, Costa I, Serra JM (2018) Silicon thin foil solar cells on low cost mechanical supports, 10th International Workshop on Crystalline Silicon for Solar Cells (CSSC-10), 8-11 April 2018, Sendai, Japan
7. Benevides P, Catalao J, Nico G, Miranda PM (2018) 3D wet refractivity monitoring using GNSS tomography technique constrained with AIRS data, International Geoscience and Remote Sensing Symposium (IGARSS 2018) – 38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS), 22-27 July 2018, Valencia, Spain
8. Berndt TA, Ramalho RS, Valdez-Grijalva MA, Muxworthy AR (2018) Paleomagnetic Field Reconstruction from Mixtures of Titanomagnetites, 16th Castle Meeting - New Trends on Paleo, Rock and Environmental Magnetism, 10-16 June 2018, Chęciny, Poland
9. Caldeirinha A, Soares PMM, Lima DCA (2018) Relationship between the Coastal Low-Level Jet and El Niño-like phenomenon in the Benguela region, Geophysical Research Abstracts, vol. 20, EGU2018-454, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
10. Cardoso RM, Careto JAM, Soares PMM (2018) The land-atmosphere coupling in CORDEX-Africa: a new coupling metric for climate extremes, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
11. Cardoso RM, Soares PMM (2018) Is there added value in the EURO_CORDEX hindcast simulations? A new simple method to assess the added value using high-resolution climate distributions, Geophysical Research Abstracts, vol. 20, EGU2018-18023, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

12. Careto JAM, Cardoso RM, Soares PMM (2018) The land-atmosphere coupling and climate extremes in Africa, *Geophysical Research Abstracts*, vol. 20, EGU2018-917, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
13. Castro LC, Geirinhas JL, Trigo R, Libonati R, Peres L, Magalhães M (2018) Relation between heat wave events, synoptic patterns and mortality rates for the Metropolitan Region of Rio de Janeiro, *Geophysical Research Abstracts*, vol. 20, EGU2018-10342-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
14. Civiero C, Strak V, Custódio S, Silveira G, Rawlinson N, Arroucau P, Corela C (2018) Thermal origin of the velocity anomalies below the Ibero-Western Maghreb region inferred from traveltimes P- and S-wave tomography, *The European Seismological Commission 36th General Assembly (36th GA ESC)*, 2-7 September 2018, Malta
15. Conde V, Catalao J, Nico G (2018) Field observations of temporal variations of surface soil moisture: comparison with INSAR Sentinel-1 data, *International Geoscience and Remote Sensing Symposium (IGARSS 2018) – 38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS)*, 22-27 July 2018, Valencia, Spain
16. Costa PJM (2018) Provenance studies and in tsunami deposits: a review, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
17. Cruces A, Freitas MC, Lopes V, Moreira S, Ferreira T, Andrade C (2018) Lagoonal water exchange as consequence of artificial opening of tidal inlets: twenty years of monitorization in three portuguese lagoons (Albufeira, Melides and Santo André), *8th European Coastal Lagoons Symposium* took place in Athens (8th EuroLag), 20-23 March 2018, Athens, Greece
18. Cunha AG, Inácio M, Freitas MC, Silva T, Andrade C (2018) Determining sedimentation rates for different intertidal environments: the case of the Tróia sandspit (Sado estuary, Portugal), *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
19. Davies H, Green M, Duarte J, Matthews K, Byrne H, Molloy J (2018) Future Earth: Testing different scenarios for the next supercontinental gathering and implications for supertidal cycles, *Geophysical Research Abstracts*, vol. 20, EGU2018-610, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
20. Dias da Silva I, Clavijo G, Díez-Montes A, Gómez-Barreiro J (2018) The NW Iberia Allochthonous domain envisaged as a Variscan lateral extrusion fan-like structure: local and orogenic-scale implications, *Geophysical Research Abstracts*, vol. 20, EGU2018-2738, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
21. Drago T, Taborda R, Cascalho J, Carvalho AN, Gaspar MB, Ferreira O, Relvas P, Garel E, Rosa M, Teixeira S, Bosnic I, Carapuço M, Lira C, Ribeiro M, Silva A, Sandoval U, Bouzas A, Peliz A, Dias J, Hermínio J, Pereira F, Henriques V (2018) Shoreface morphodynamics off Tavira (Algarve, Portugal): an integrated approach, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
22. Duarte JC (2018) Reactivation of the West Iberian Margin: is there an incipient subduction zone?, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
23. Duarte JC, Chen Z, Schellart WP, Strak V (2018) Geodynamic physical models of subduction with an overriding plate and an interplate rheology, *Geophysical Research Abstracts*, vol. 20, EGU2018-9341, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

24. Fantasia A, Föllmi K, Adate T, Font E, Spangenberg JE, Bernárdez E, Mattioli E, Duarte LV (2018) Paleoenvironmental changes during the Early Toarcian Oceanic Anoxic Event: Comparison of different paleogeographic settings (Alpine Tethys, Andean Basin and Lusitanian Basin), 2nd International Workshop on Toarcian Oceanic Anoxic Event (2nd IW-TOAE), 6-9 Setembro, Coimbra, Portugal
25. Farzamian M, Monteiro Santos FA, Gonçalves MC, Basile A, Bouksila F, Salim T, Paz AM, Castanheira NL, Paz MC, Coppola A, Dragonetti G, De Mascellis R, Hamid Y, Slimane A B, Triantafilis J (2018) SALTFREE- Salinization in irrigated areas in the Mediterranean basin; risk evaluation using geophysical methods, Geophysical Research Abstracts, vol. 20, EGU2018-15279-6, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
26. Farzamian M, Santos FAM, Paz MC, Gonçalves MC, Basil A, Bouksila F, Salim T, Paz AM, Castanheira N, Coppola A, Hamed Y, De Mascellis R, Dragonetti G, Slimane A B (2018) Inferring soil's dynamic parameters using Electromagnetic instrument and time-lapse inversion algorithm, Geophysical Research Abstracts, vol. 20, EGU2018-16819-5, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
27. Fernandes RMS, Dumont S, Roque D, Martins B, Falcão AP, Bos MS, da Silva SH (2018) Deciphering magma plumbing system at Fogo volcano using Geodetic (InSAR, GNSS and Gravimetric) data, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
28. Figueiredo R, Nunes P, Brito MC (2018) The Role of Climate Variability in the Assessment of Roadmaps for Power Systems with High Renewable Penetration, 8th Solar Integration Workshop – International Workshop on Integration of Solar Power into Power Systems, 16-17 October 2018, Stockholm, Sweden
29. Font E, Adate T, Keller G, Nédélec A, Punekar J, Carlut J, Rémazeilles C, Mather T, Mirão J (2018) The global imprint of Deccan volcanism in the sedimentary record across the end-Cretaceous mass extinction, Geophysical Research Abstracts, vol. 20, EGU2018-18715, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
30. Freitas M, Magalhaes V, Azevedo MR, Pinheiro L, Salgueiro E, Abrantes F (2018) Comparison of authigenic carbonates formation at mud volcanoes and pockmarks in the Portuguese Margin vs. at the Yinazao serpentinite mud volcano in the Marianas forearc, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
31. Freitas MC, Andrade C, Moreira S, Cruces A (2018) Impact of mytiliculture in a small partly closed lagoon: the case of Lagoa de Albufeira (Portugal), 8th European Coastal Lagoons Symposium took place in Athens (8th EuroLag), 20-23 March 2018, Athens, Greece
32. Gomes A, Rosas F, Duarte J, Tomás R, Almeida J, Strak V, Schellart W (2018) Strike-slip fault propagation across crustal (interbedded) low viscosity anomalies: new insight from analogue modelling results, Geophysical Research Abstracts, vol. 20, EGU2018-443, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
33. González-Villanueva R, Costa PJM, Costas S, Andrade C (2018) Identifying storm-induced wave impacts on sand barriers sequences, SW Iberia, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal

34. Inácio M, Cunha AG, Freitas MC, Antunes C, Andrade C, Lopes V (2018) How will sea-level rise acceleration impact the Caldeira de Tróia (Sado estuary, Portugal) until the end of 21st Century?, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
35. Jimenez C, Prigent C, Aires F, Ermida S (2018) All-weather land surface temperature estimates from microwave satellite observations, over several decades and real time: methodology and comparison with infrared estimates, Geophysical Research Abstracts, vol. 20, EGU2018-16003, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
36. Lapa N, Rodrigues A, Marques F, Pombo J, Duarte J, Oliveira A (2018) Análise da coluna sedimentar não consolidada no sector superior da vertente continental do canhão de Aveiro, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
37. Liberato MLR, Paredes H, Reis A, Ramos A, Hénin R, Martins P, Barroso J (2018) Expert Crowdsourcing for Semantic Annotation of Extreme Meteorological and Hydrological Phenomena, Geophysical Research Abstracts, vol. 20, EGU2018-17103, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
38. Lima DCA, Soares PMM, Semedo A, Cardoso RM, Cabos W, Sein DV (2018) Future projections of Benguela Coastal Low-Level Jet, Geophysical Research Abstracts, vol. 20, EGU2018-724, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
39. Lopes V, Cruces A, Freitas MC, Ferreira T, Andrade C, Cachão M, Leira M, Bao R (2018) The role of the barrier efficiency in the Holocene sedimentation of the Santo André Lagoon (SW Portugal), 8th European Coastal Lagoons Symposium took place in Athens (8th EuroLag), 20-23 March 2018, Athens, Greece
40. Magalhães V, Duarte D, Freitas M, Escada C, Terrinha P, Ribeiro C, Pinheiro L, Cepeda C, Correia R, PES team (2018) Pockmarks and fluid migration in the Estremadura Spur, Western Iberian Margin, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
41. Mata J (2018) Volcanism at the Cape Verde Archipelago, 27th Colloquium of African Geology (CAG27) – 16th Conference of the Geological Society of Africa (GSAf17), 21-28 July 2018, Aveiro, Portugal
42. Mateus P, Nico G, Catalao J (2018) Assimilation of INSAR propagation delay maps in high-resolution numerical weather model: imaging of water vapor structures in atmosphere, International Geoscience and Remote Sensing Symposium (IGARSS 2018) – 38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS), 22-27 July 2018, Valencia, Spain
43. Mateus P, Nico G, Catalao J, Miranda PM (2018) Assimilation of INSAR-derived PWV maps exhibit potential for atmosphere convective storm characterization, International Geoscience and Remote Sensing Symposium (IGARSS 2018) – 38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS), 22-27 July 2018, Valencia, Spain
44. Matias L, Morais R, Corela C, Duarte J, Oliveira S, Custodio S (2018) Demonstration of earthquake engineering basics for high schools, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
45. Mellado-Cano J, Barriopedro D, García-Herrera R, Trigo RM (2018) Atmospheric circulation and variability over the Euro-Atlantic sector since 1685, Geophysical Research Abstracts, vol. 20, EGU2018-10600-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

46. Mellado-Cano J, Barriopedro D, García-Herrera R, Trigo RM, Álvarez-Castro MC (2018) Atmospheric circulation during the Late Maunder Minimum based on ships' logbooks, *Geophysical Research Abstracts*, vol. 20, EGU2018-9566, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
47. Naughton F, Costas S, Gomes SD, Rodrigues T, Desprat S, Bronk Ramsey C, Salgueiro E, Sanchez Goñi MF, Renssen H, Trigo R, Oliveira D, Voelker AHL, Abrantes F (2018) Complex climatic pattern in Central Western Iberia during the Younger Dryas, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
48. Nico G, Vinkovic D, Quartulli M, Gil A, Benevides P, Conde V, Catalao J, Kontu A, Gritsevich M (2018) The Big Data Era in Sky and Earth Observation Cost Action (BIG-SKY-EARTH), *Geophysical Research Abstracts*, vol. 20, EGU2018-16744-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
49. Nogueira CR, Marques FO (2018) LiDAR Scanning Application to Monitoring Surface Deformation of Physical Analogue Models, *Geophysical Research Abstracts*, vol. 20, EGU2018-1340-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
50. Oliveira D, Desprat S, Yin Q, Naughton F, Trigo R, Rodrigues T, Abrantes F, Sánchez Goñi MF (2018) Western Mediterranean vegetation and climate dynamics during the best astronomical analogues of the Holocene: evidence from a model–data comparison, *Geophysical Research Abstracts*, vol. 20, EGU2018-12077-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
51. Omira R, Roque C, Cunha PP, Piedade A, Quinta-Ferreira M, Lemos L, Ramalho I, Teixeira M, Neves C, Ercilla G, Terrinha P, Baptista MA (2018) Marine Geo-hazards Induced by underwater Landslides in the SW Iberian Margin – MagicLand Project, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
52. Páscoa P, Gouveia CM, Russo AC, Trigo RM (2018) The relation between drought and vegetation activity on Southeastern Europe, *Geophysical Research Abstracts*, vol. 20, EGU2018-18052-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
53. Pera D, Pó J, Alves JM, Serra JM (2018) Active thermal profile shaping near the solid-liquid interface during growth of silicon ribbons, 10th International Workshop on Crystalline Silicon for Solar Cells (CSCS-10), 8-11 April 2018, Sendai, Japan
54. Pinto M, DaCamara C, Trigo I, Trigo R (2018) An hourly based meteorological fire danger system, *Geophysical Research Abstracts*, vol. 20, EGU2018-15968, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
55. Pires RFT, Peliz A, Pan M, dos Santos A (2018) Modelling studies on larval dispersal applied to decapod crustaceans, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
56. Pó JM, Hoogendijk K, Chiba I, Akiyama A, Beuttell W (2018) Direct Normal Irradiance Measurements Using a Tracker-Less Sunshine Duration Measurement Concept, 35th EU PVSEC 2018, 24-28 September 2018, Brussel, Belgium
57. Quartau R, Ramalho R, Rivera J, Orejas C, Tempera F, Afonso P, Ricchi A (2018) The morphology of the Formigas Bank and its significance to the onset of Terceira Rift, *Geophysical Research Abstracts*, vol. 20, EGU2018-8879, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
58. Ramalho R, Helffrich G, Madeira J, Cosca M, Thomas C, Quartau R, Hipólito A, Rovere A, Hearty P, Ávila S (2018) Emergence and evolution of Santa Maria Island (Azores), *Geophysical Research Abstracts*, vol. 20, EGU2018-7067-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

59. Ramalho R, Quartau R, Ricchi A, Madeira J, Cruz J (2018) Evidence for late Pleistocene volcanism at Santa Maria Island, Azores?, Geophysical Research Abstracts, vol. 20, EGU2018-7206-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
60. Relvas JMRS (2018) Challenges of seafloor mining in a sustainable world: let's do it right, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
61. Relvas JMRS (2018) The extraordinary ore geochemistry of the Neves-Corvo VMS deposit, Iberian Pyrite Belt, RFG 2018 Resources for Future Generations, Premiere Conference on Energy - Minerals - Water - the Earth, 16 - 21 June 2018, Vancouver, Canada
62. Ressurreição R, Cabral J, Dias RP, Cunha PP (2018) Tectonic vertical displacements in the Sines-Vila Nova de Milfontes coastal sector (Alentejo, SW Portugal), IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
63. Ribeiro LP, Marques AFA, Martins S, Zajacz Z, Madureira P, Mata J (2018) Hironelle Basin and Dom João de Castro Seamount in the light of the Azores isotopic zoo (Sr-Nd-Pb-Hf), Geophysical Research Abstracts, vol. 20, EGU2018-17336, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
64. Ricchi A, Quartau R, Ramalho R, Romagnoli C, Casalbore D (2018) Santa Maria Island's (Azores Archipelago) geological evolution: new insights from high-resolution marine geophysical data, Geophysical Research Abstracts, vol. 20, EGU2018-2422, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
65. Romão S, Silva PA, Baptista P, Coelho C, Fernández-Fernández S, FontánBouzas A, Bernardes C (2018) Sediment budget in the coastal stretch Buarcos – Figueira da Foz, Portugal, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
66. Roque C, Hernández-Molina FJ, Llave E, Madureira P (2018) Contourite drifts in the Madeira Abyssal Plain and implications to the Northeast Atlantic deepwater circulation during the Cenozoic, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
67. Rosas F, Duarte J, Schellart W, Gomes A, Silva J, Almeida J (2018) Flow patterns arising from viscous matrix perturbation due to rigid inclusion rotation under bulk coaxial vs. non-coaxial plane strain: new insights from analogue modelling and implications for use of discriminating shear sense indicators, Geophysical Research Abstracts, vol. 20, EGU2018-8910, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
68. Serra JM (2018) MEDSOL: an example of international teaching PV initiative, 9th International Workshop on Teaching in Photovoltaics (IWTPV 2018), 15-16 March 2018, Prague, Czech Republic
69. Silva PF, Roque C, Drago T, Alonso B, Lopes A, Vázquez JT, Casas D, López N, Ercilla G (2018) Sedimentary record evidence of slope instability and mass movement deposits in the Portimão Bank (Gulf of Cadiz, SW Iberia), IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
70. Silva PF, Roque C, Drago T, Lopes A, Alonso B, Vázquez J, Casas, López N (2018) Quaternary slope instability and mass movement deposits characterization (Portimão Bank, SW Iberia), 16th Castle Meeting - New Trends on Paleo, Rock and Environmental Magnetism, 10-16 June 2018, Chęciny, Poland
71. Silva PF, Roque C, Drago T, Lopes A, Alonso B, Vázquez J, Casas, López N (2018) Magnetic fabric study of a complex mafic dyke of Pico Island (Azores Archipelago), 16th Castle Meeting - New Trends on Paleo, Rock and Environmental Magnetism, 10-16 June 2018, Chęciny, Poland

72. Strak V, Schellart WP, Chen Z, Duarte J (2018) Particle Image Velocimetry technique to quantify mantle flow, surficial strain and topography in geodynamic laboratory models of subduction, Geophysical Research Abstracts, vol. 20, EGU2018-8231, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
73. Tromm R, Matias L, Peliz A, Azevedo L (2018) Imaging the shallow and deep oceanic thermohaline structure at the Madeira Abyssal Plain, Geophysical Research Abstracts, vol. 20, EGU2018-15412, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
74. Vinhas A, Rodrigues A, Pimentel N (2018) Contribuição para o conhecimento da evolução pós-glaciária da plataforma continental ao largo da Arrábida (Sudoeste de Portugal), IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
75. Widmann M, Bedia J, Gutierrez JM, Bosshard T, Hertig E, Maraun D, Casado MJ, Ramos P, Cardoso RM, Soares P, Ribalaygua J, Page C, Fischer A, Herrera S, Huth R (2018) Validation of spatial variability in downscaling results from the VALUE perfect predictor experiment, Geophysical Research Abstracts, vol. 20, EGU2018-9284, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

International conference proceedings – posters

1. Abdullah Eissa M, Silva JA, Serra JM, Bassiuny AM, Lobato K (2018) Low-Cost Electroluminescence System for Infield PV Modules, 35th EU PVSEC 2018, 24-28 September 2018, Brussel, Belgium
2. Adatte T, Keller G, Font E, Schoene B, Mbabi Bitchong A, Khadri S (2018) Near Coincidence of Maximum Deccan Volcanism with The Cretaceous-Paleogene Boundary: A Multiproxy Approach, Geophysical Research Abstracts, vol. 20, EGU2018-11795, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
3. Almeida J, Riel N, Rosas F, Duarte J (2018) Preliminary numerical modelling results of induced subduction initiation: the slab vs. overriding plate thermal control on subduction polarity flip, Geophysical Research Abstracts, vol. 20, EGU2018-478-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
4. Andrade M, Font E, Adatte T, Khozyem H, Abrajevitch A (2018) Magnetic and mercury anomalies at the Paleocene-Eocene Thermal Maximum (PETM): environmental acidification and the role of volcanism, Geophysical Research Abstracts, vol. 20, EGU2018-1430, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
5. Andriolo U, Sedrati M, Brunier G, Gardel A, Taborda R, Fargues C, Furiga J (2018) Video monitoring for Guianese beach morphodynamics and management, Geophysical Research Abstracts, vol. 20, EGU2018-921, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
6. Antunes AC, Teves-Costa P, Rui GC (2018) The contribution of Rayleigh wave ellipticity curve to characterize soil profile, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
7. Arduini G, Balsamo G, Boussetta S, Dutra E, Choulga M (2018) Impact of a multi-layer snow model on the land-atmosphere coupling in the ECMWF Integrated Forecasting System, Geophysical

- Research Abstracts, vol. 20, EGU2018-13807-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
8. Baptista MA, Miranda JM (2018) Rupture along the Azores-Gibraltar plate boundary – Implications for tsunami hazard assessment, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
 9. Barbosa S, Huisman J, Miranda P, Azevedo E (2018) Gamma radiation as a local proxy of soil water content: insights from the Eastern North Atlantic (ENA) facility (Azores), Geophysical Research Abstracts, vol. 20, EGU2018-11624-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 10. Barbosa S, Miranda P, Azevedo E (2018) Gamma radiation as a detailed precipitation proxy, Geophysical Research Abstracts, vol. 20, EGU2018-15127, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 11. Borges J, Caldeira B, Fontiela J, Custódio S, Dias N, Waschilala P, Oliveira R, Vales D, Bezzeghoud M, Araújo A, Carrilho F, Corela C, Rio I, Matias LM (2018) The Arraiolos – Portugal – moderate-sized 2018 (M=4.9) earthquake of January 15 and aftershocks: preliminary results, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
 12. Bos MS, Mijiddorj S, Fernandes RMS (2018) Present-Day Velocity Field of Mongolia based on GNSS solutions, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
 13. Canelas D, Fernandes I, Lopes MDG (2018) Use of Fall Cone Test for the determination of undrained shear strength of cohesive soils, 6th International Scientific Conference on Integration, Partnership and Innovation in Construction Science and Education - IPICSE 2018, 14-16 November 2018, Moscow, Russia
 14. Cardoso RM, Soares PMM, Lima DCA, Miranda PMA (2018) EURO CORDEX and WRF regional climate high-resolution temperature projections for Portugal, Geophysical Research Abstracts, vol. 20, EGU2018-16427, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 15. Carvalho J, Bonadio R, Silveira G, Lebedev S, Arroucau P (2018) Surface-wave imaging of Cape Verde crust and upper mantle, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
 16. Carvalho J, Bonadio R, Silveira GM, Lebedev S, Mata J, Arroucau P, Meier TM, Celli NL (2018) Low-Velocity Anomaly in the Upper Mantle Beneath Cape Verde Inferred from Shear-Wave Tomography, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
 17. Carvalho J, Silveira G, Schimmel M (2018) Secondary microseism sources in Cape Verde archipelago, Geophysical Research Abstracts, vol. 20, EGU2018-479-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 18. Catita C, Coutinho L, Miranda H (2018) 3D Virtual Campus - FCUL: an integrated system for university services management, AGILE 2018, 21st Conference on Geo-information Science, 12-15 June, Lund, Sweden
 19. Civiero C, Strak V, Custódio S, Silveira G, Rawlinson N, Arroucau P (2018) Mantle upwellings below the Ibero-western Maghreb region: constraints from teleseismic traveltime P- and S-wave tomography, Geophysical Research Abstracts, vol. 20, EGU2018-15317, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 20. Conceição E, Mogo S, Cachorro V, de Frutos A, Barroso A, Monteiro R (2018) Study of the morphology of individual aerosol particles during the POLARUBI field campaigns, Geophysical

- Research Abstracts, vol. 20, EGU2018-10431, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
21. Custódio S, Neres M, Neves C, Palano M, Fernandes R, Matias L, Carafa M, Terrinha P (2018) Active deformation in Iberia: The role of gravitational potential energy, *Geophysical Research Abstracts*, vol. 20, EGU2018-16035, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 22. Custodio S, Rodrigues D, Mendes V, Matias L, Civiero C (2018) Correlation between seismic activity, surface deformation and lithospheric properties in Iberia, SW Europe, *The European Seismological Commission 36th General Assembly (36th GA ESC)*, 2-7 September 2018, Malta
 23. Custodio S, Weishar G, Rio I, Corela C, Silveira G, Matias LM (2018) Educating for earthquake science and risks in Portugal, *The European Seismological Commission 36th General Assembly (36th GA ESC)*, 2-7 September 2018, Malta
 24. de Oliveira Júnior L, Garel E, Drago T, Relvas P (2018) Coastal counter-currents setup patterns in the Gulf of Cadiz: an indication of their forcing factors, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
 25. Dias N, Veludo I (2018) Imaging the crustal structure of an oceanic plateau: insights from the Azores islands (Portugal), *The European Seismological Commission 36th General Assembly (36th GA ESC)*, 2-7 September 2018, Malta
 26. Drago T, Silva PF, Magalhães V, Roque C, Lopes A, Rodrigues AI, Noiva J, Terrinha P, Mena A, Francés G, Kopf A, Völker D, Salgueiro E, Schimdt S, Alberto A, Baptista MA (2018) Anomalous sedimentary levels on the south Portuguese continental shelf as potential tsunami evidence, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
 27. Eiras-Barca J, Ramos AM, Pinto JG, Trigo RM, Liberato MLR, Miguez-Macho G (2018) The concurrence of Atmospheric Rivers and explosive cyclogenesis in the North Atlantic and North Pacific basins, *Geophysical Research Abstracts*, vol. 20, EGU2018-8749, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 28. Farzamian M, Santos FM, Paz AM, Gonçalves M, Basile A, Bouksila F, Paz MC, Coppola A, Selim T, Dragonetti G, Castanheira N, Slimane A B, De Mascellis R, Scognamiglio S, Autovino D, Hamid Y, Zemni N, Fairouz S, Aziz A, Attia T, Triantafilis J (2018) Spatio-temporal Mapping of Soil Salinity Using Joint Inversion of Time-lapse Multi-coil and Multi-heights Electromagnetic Induction Measurements, *2018 AGU Fall Meeting*, 10-14 December 2018, Washington, USA
 29. Fatela F, Moreno J, Cabral MC (2018) Influence of estuarine waters salinity in the composition of modern Foraminiferal and Ostracoda assemblages along the W coast of Portugal: a tool to palaeoenvironmental assessment, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
 30. Font E, Adatte T, Rostami MA, Leckie M, Frontalini F, Razmjooei MJ, Thibault N (2018) Environmental acidification and carbonate overshoot triggered by Deccan volcanism at the aftermath of the Cretaceous-Paleogene mass extinction, *IX Symposium on the Iberian Atlantic Margin (MIA 2018)*, 4-6 Setembro, Coimbra, Portugal
 31. Font E, Adatte T, Rostami MA, Leckie M, Frontalini F, Thibault N (2018) Environmental acidification triggered by Deccan volcanism at the KPg Galanderud section, Iran, *Geophysical Research Abstracts*, vol. 20, EGU2018-18692-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

32. Font E, Duarte LV, Fantasia A, Adatte T, Dekkers M, Mirão J (2018) Magnetostratigraphy and environmental magnetism of the Toarcian Oceanic Anoxic Event at Peniche (Portugal), 2nd International Workshop on Toarcian Oceanic Anoxic Event (2nd IW-TOAE), 6-9 Setembro, Coimbra, Portugal
33. González Clavijo E, Dias da Silva I, Martínez Catalán JR, Gómez Barreiro J, Díez Montes A, Linnemann U, Hofmann M, Gartner A, Castiñeiras P (2018) Syn-orogenic units in the NW Iberian Variscan Massif: a regional approach based on new field work and detrital zircon evidences, Geophysical Research Abstracts, vol. 20, EGU2018-2754-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
34. González-Villanueva R, Costas S, Pérez-Arlucea M, Costa PJM, Andrade C (2018) Strom imprints on coastal barriers during the last 5000 years, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
35. Graça S, Carvalho J, Mata J, Madeira J, Neves M (2018) Shallow crustal structure of Fogo island (Cape Verde) from ambient seismic noise, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
36. Hénin R, Liberato MLR, Ramos AM (2018) Assessing frontal and extreme precipitation over the Euro-Atlantic domain, Geophysical Research Abstracts, vol. 20, EGU2018-862-2, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
37. Hertig E, Maraun D, Bartholy J, Pongracz R, Vrac M, Mares I, Gutiérrez JM, Wibig J, Casanueva A, Soares PMM (2018) Validation of statistical downscaling methods with respect to extreme events over Europe. Results from the COST Action VALUE, Geophysical Research Abstracts, vol. 20, EGU2018-2024, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
38. Liberato MLR, Paredes HA, Ramos AM, Reis A, Hénin R, Barroso J (2018) Expert Crowdsourcing for Semantic Annotation of Atmospheric Phenomena, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
39. Lopes A, Alonso-García M, Salgueiro E, Rodriguez-Diaz CN, Rodrigues T, Voelker AHL, Kuhnert H, Groeneveld J, Herrero C, Fatela F, Soares W, Zarikian CAA, Sierro FJ, Flores J-A, Abrantes FFG (2018) Benthic foraminifers response to Mediterranean Outflow Water changes during the Late Pliocene-Early Pleistocene transition, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
40. Loureiro A, Afilhado A, Matias L, Moulin M, Aslanian D (2018) Monte Carlo approach to assess the uncertainty of wide-angle layered models: Application to the Santos Basin, Brazil, Geophysical Research Abstracts, vol. 20, EGU2018-4489, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
41. Loureiro A, Schnürle P, Klingelhöfer F, Afilhado A, Pinheiro J, Evain M, Gallais F, Rabineau M, Baltzer A, Benabdellhouahed M, Dias N, Soares J, Fuck R, Cupertino J, Viana A, Matias L, Moulin M, Aslanian D (2018) Imaging exhumed lower continental crust and proto-oceanic crust in the distal Jequitinhonha basin, Brazil, Geophysical Research Abstracts, vol. 20, EGU2018-4473, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
42. Løvholt F, Glimsdal S, Harbitz CB, Romano F, Lorito S, Orefice S, Brizuela B, Selva J, Hoechner A, Volpe M, Babeyko AY, Tonini R, Wronna M, Omira R (2018) New amplification factors for estimation of maximum tsunami inundation height and related uncertainty in probabilistic tsunami hazard analysis, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA

43. Luis JMF, Wessel P (2018) A Julia Wrapper for The Generic Mapping Tools, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
44. Marques MC, de Oliveira MS, Braga FG, Liberato MLR (2018) Urban Air Quality: Case Study in the City of Brasília/DF, Capital of Brazil, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
45. Marques MC, Ferreira FI, Liberato MLR, Braga FG (2018) Ambient Air Quality in a Low-Density Territory of Continental Portugal, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
46. Matias L (2018) On the use of fractional values for macroseismic intensities as inferred from thumbnail-based questionnaires, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
47. Matias L, Ramalho M, Carvalho A, Teves-Costa P, Neres M, Carafa M, Terrinha P, Barba S (2018) A plate kinematics consistency test on probabilistic earthquake recurrence models, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
48. Melo C, Ramalho R, Quartau R, Hipólito A, Gil A, Borges P, Cardigos F, Ávila S, Madeira J, Gaspar J (2018) Genesis and morphological evolution of coastal talus-platforms (fajãs) with lagoons: the case study of the recently-formed Fajã dos Milagres (Corvo Island, Azores), Geophysical Research Abstracts, vol. 20, EGU2018-9052-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
49. Miranda J, Omira R, Carrilho F, Baptista M (2018) Improving the capabilities of tsunami warning in the North East Atlantic – the Portuguese tsunami warning system, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
50. Mondal DR, Elosegui P, Davis JL, Altamimi Z, Mendes VB (2018) An exploration of a global terrestrial reference frame combination that incorporates constraints from atmospheric structure: Implication for future ITRF realizations, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
51. Moreira S, Costa P, Dawson S (2018) Examples of geochemical signatures of tsunami deposits from the Shetland Islands, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
52. Moreno J, Fatela F, Leorri E, Moreno F, Blake WH (2018) Marsh foraminiferal record of environmental changes driven by the sun-climate coupling: application to the W coast of Portugal from the 14th century to present, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
53. Navarro A, Catalao J, Ribeiro L (2018) Exploitation of Sentinel-2 time series for horticulture crops inventory, International Geoscience and Remote Sensing Symposium (IGARSS 2018) – 38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS), 22-27 July 2018, Valencia, Spain
54. Neres M, Conceição N, Custódio S, Civiero C, Palano M, Fernandes R, Matias L, Carafa M, Terrinha P (2018) Gravitational potential energy in Iberia: role in active deformation and relation with dynamic topography, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
55. Neres M, Terrinha P, Custódio S, Silva SM, Luis J, Miranda JM (2018) Magnetic evidence for a Cretaceous intrusion underlying the Guadalquivir - Portimão Banks (Gulf of Cadiz), Geophysical Research Abstracts, vol. 20, EGU2018-1095, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

56. Neves M, Custódio S, Peng Z (2018) Dynamic earthquake triggering in southeast Africa, *Geophysical Research Abstracts*, vol. 20, EGU2018-16344, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
57. Neves MC, Monteiro JP, Costa L (2018) The impact of climate on the water exchange between aquifers and the coastal ocean in the Algarve (Portugal), 45th IAH Congress – The International Association of Hydrogeologists, 9-14 September 2018, Daejeon, Korea
58. Neves MC, Neves RGM (2018) Recognizing changes in the response of aquifer levels to climate modes using Hidden Markov Models, 45th IAH Congress – The International Association of Hydrogeologists, 9-14 September 2018, Daejeon, Korea
59. Nico G, Mateus P, Catalao J, Miranda P (2018) First example of Sentinel-1 InSAR PWV maps assimilation into a high-resolution NWP to improve the forecast of convective system in atmosphere, *Geophysical Research Abstracts*, vol. 20, EGU2018-15638, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
60. Nieto R, Vazquez M, Algarra I, Eiras-Barca J, Ramos AM, Gimeno L (2018) Atmospheric rivers over the Arctic: lagrangian characterization of moisture sources, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
61. Oliveira A, Parente J, Amraoui M, Pereira M, Fernandes P (2018) Global-scale analysis of wildfires, *Geophysical Research Abstracts*, vol. 20, EGU2018-18739-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
62. Oliveira L, Teves-Costa P, Pinto C, Rui GC, Almeida I, Pereira T, Sotto-Mayor M (2018) Seismic microzonation based on large database of borehole data: application to Lisbon, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
63. Omira R, Baptista MA, Quartau R, Ramalho I (2018) Sector-Collapses inducing Tsunami Hazard in Madeira Island, NE Atlantic - Numerical Simulation of the 1930 Tsunami, *Geophysical Research Abstracts*, vol. 20, EGU2018-9220, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
64. Parente J, Pereira M, Amraoui M, Fischer E (2018) Heat waves and extreme fires in Portugal, *Geophysical Research Abstracts*, vol. 20, EGU2018-18519-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
65. Parente J, Pereira M, Amraoui M, Tedim (2018) Regional differences in the spatial distribution of the negligent and intentional wildfires in Portugal, *Geophysical Research Abstracts*, vol. 20, EGU2018-18530-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
66. Parente J, Tonini M, Pereira M (2018) Wildfires and land cover / land use changes in Europe, *Geophysical Research Abstracts*, vol. 20, EGU2018-18768-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
67. Páscoa P, Gouveia CM, Trigo RM (2018) The influence of drought on vegetation activity assessed by NDVI – MODIS on Estonia, *Geophysical Research Abstracts*, vol. 20, EGU2018-18068-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
68. Pera DM, Brito MC, Vallêra AM, Serra JM, Alves JM (2018) Thermal Stress Minimization in Silicon Ribbon Growth Processes by Thermal Gradients Modulation with 808 nm Laser Scanning, 35th EU PVSEC 2018, 24-28 September 2018, Brussel, Belgium

69. Pinzon L, Silveira G, Matias L, Kruger F, Custodio G (2018) Oceanic crustal structure north of the Gloria Fault, North Atlantic, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
70. Pires C, Hannachi A (2018) Building Statistically Independent subspace sources of the Sea Surface Temperature Variability, Geophysical Research Abstracts, vol. 20, EGU2018-8975, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
71. Quartau R, Ramalho R, Madeira J, Santos R, Rodrigues A, Roque C, Carrara G, Brum da Silveira A (2018) Gravitational, erosional and depositional processes on volcanic ocean islands: Insights from the submarine morphology of Madeira archipelago, Geophysical Research Abstracts, vol. 20, EGU2018-6746, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
72. Quartau R, Trenhaile A, Ramalho R, Mitchell N (2018) The role of subsidence in shelf widening around ocean island volcanoes: Insights from observed morphology and modeling, Geophysical Research Abstracts, vol. 20, EGU2018-6937, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
73. Quartau R, Trenhaile AS, Ramalho R, Mitchell NC (2018) The role of subsidence in shelf development around volcanic ocean islands: Insights from observed morphology and modeling, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
74. Ramalho RS, Quartau R, Madeira J, Rebelo AC (2018) The geology of Formigas Islets and its significance to our comprehension of the Terceira Rift in the Azores Triple Junction, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
75. Ramos AM, Rebelo L, Pereira S, Zêzere JL, Trigo R (2018) The impact of the Atmospheric Rivers in the hydro-geomorphologic event of February 1979, Geophysical Research Abstracts, vol. 20, EGU2018-5089, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
76. Ramos AM, Tomé R, Sousa PM, Lavers D, Nieto R, Gimeno L, Trigo RM, Liberato MLR (2018) Revisiting the Atmospheric Rivers in Europe: from impacts to moisture sources and future climate scenarios, Geophysical Research Abstracts, vol. 20, EGU2018-4532-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
77. Redweik P, Duarte M-C (2018) Suitability maps for tropical plants based on solar irradiation – a decision support tool for botanic gardens, AGILE 2018, 21st Conference on Geo-information Science, 12-15 June, Lund, Sweden
78. Ribeiro A, Russo A, Gouveia C, Páscoa P (2018) Modelling drought impacts over agricultural areas in Iberia using hydro-meteorological and satellite-based drought indices, Geophysical Research Abstracts, vol. 20, EGU2018-187-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
79. Roque C, Dias F, Teixeira M, Madureira P (2018) New determination of siliciclastic continental slope curvature and sedimentary processes in the Portuguese continental margin (Mainland and Madeira Island), IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
80. Roque C, Madureira P, Brandão F, Conceição P, Dias F, Neves M, Pinto Ribeiro L, Simões M (2018) The importance of the Zone of Exhumed Continental Mantle (ZECM) for Portugal's extension of the continental shelf beyond 200 miles, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
81. Sanchez Leal RF, Bellanco Esteban MJ, Fernández Salas LM, García Lafuente J, Rubinat MG, González-Pola C, Hernández Molina FF, Pelegrí JL, Peliz A, Relvas P, Roque D, Ruiz Villarreal M,

- Sammartino S, Sánchez Garrido JC (2018) Formation, transport and mixing of the Mediterranean Overflow Water, *Geophysical Research Abstracts*, vol. 20, EGU2018-15571, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
82. Sánchez-Benítez A, García-Herrera R, Barriopedro D, Sousa PM, Trigo RM (2018) June 2017: The Earliest European Mega-heatwave of Reanalysis Period, *Geophysical Research Abstracts*, vol. 20, EGU2018-4419, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 83. Silva P, Henry B, Marques F, Hildenbrand A, Lopes A, Madureira P, Madeira J, Nunes JC, Roxerová Z (2018) Volcano-tectonic evolution of Pico-Faial Volcanic Ridge assessed by paleomagnetic studies, *Geophysical Research Abstracts*, vol. 20, EGU2018-13911-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 84. Silveira GM, Carvalho J, Schimmel M, Stutzmann E (2018) Secondary Microseism Sources in Macaronesia (North Atlantic), 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
 85. Soares P, Maraun D, Brands S, Jury M, Gutiérrez J, San Martín D, Hertig E, Huth R, Belušić A, Cardoso R, Kotlarski S, Drobinski P, Hellhund AO (2018) The VALUE perfect predictor experiment of statistical downscaling methods: process-based evaluation, *Geophysical Research Abstracts*, vol. 20, EGU2018-16326, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 86. Soares PMM, Lima DCA, Cardoso RM, Semedo A, Cabos W, Sein D (2018) The climate change impact on the Eastern Atlantic coastal low-level wind jets, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA
 87. Sousa PM, Ramos AM, Trigo RM, Ludwig P, Pinto J (2018) European moisture fluxes during the Last Glacial Maximum, *Geophysical Research Abstracts*, vol. 20, EGU2018-8346, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 88. Sousa PM, Ramos AM, Trigo RM, Raible CC, Messmer M, Pinto J (2018) Regional changes in precipitation regimes between 850 A.D. and 2100: the role of the Integrated Water Vapor Transport, *Geophysical Research Abstracts*, vol. 20, EGU2018-8922, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 89. Stevens D, Dutra E, Miranda PMA (2018) Land - atmosphere exchanges and the role of model formulation and high-resolution earth observations, *Geophysical Research Abstracts*, vol. 20, EGU2018-18153-1, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
 90. Teixeira M, Rodrigues S, Roque C, Terrinha P, Ercilla G, Casas D (2018) Geomorphological analysis on the Alentejo Margin: features and processes, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
 91. Teixeira M, Roque C, Terrinha P, Ercilla G, Casas D (2018) Landslide susceptibility in the Alentejo margin: statistical analysis, IX Symposium on the Iberian Atlantic Margin (MIA 2018), 4-6 Setembro, Coimbra, Portugal
 92. Teves-Costa P, Matias L, Batlló J, Catita C, Jiménez M-J, García-Fernández M (2018) Maximum intensities observed and estimated in Portugal mainland, The European Seismological Commission 36th General Assembly (36th GA ESC), 2-7 September 2018, Malta
 93. Vodopivec M, Peliz A, Male A (2018) Ecological consequences of coastal and offshore marine urban developments: the jellyfish aspect, *Geophysical Research Abstracts*, vol. 20, EGU2018-7675, EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria

94. Yalciner AC, Hidayat R, Husrin S, Annunziato A, Dogan GG, Zaytsev A, Omira R, Proietti C, Probst P, Paparo MA, Wronna M, Pronin P, Giniyatullin A, Putra P, Hartanto D, Ginanjar G, Kongko W, Pelinovsky EN (2018) Field Survey on the Coastal Impacts of the September 28, 2018 Palu, Indonesia Tsunami, 2018 AGU Fall Meeting, 10-14 December 2018, Washington, USA

National conference proceedings - talks

1. Alves JM, Brito MC (2018) Fighting against electrical poverty, Encontro Ciência 2018, 2-4 Julho 2018, Lisboa, Portugal
2. Andrade C, Cruz JV, Viveiros F, Coutinho R, Freire P, Branco R (2018) Caracterização hidrogeoquímica dos principais lagos vulcânicos da ilha de São Miguel (Açores), X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
3. Andrade C, Viveiros F, Cruz JV, Coutinho R, Branco R, Freire P (2018) Estimativa do fluxo de CO₂ a partir da cratera do ilhéu de Vila Franca do Campo (São Miguel, Açores), X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
4. Barriga F, Cruz MI, Póvoas L, Lopes C, Pinto A, Relvas JMRS (2018) Mar Mineral: Uma Exposição do Fundo do Mar, no Museu, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
5. Batista LB, Hübscher C, Terrinha P, Matias L, Afilhado A (2018) Modelos de velocidades V_p e V_s transversais à falha da Gloria na zona de fronteira de placas Eurásia- África no Norte-Atlântico: Implicações na composição da crosta e manto litosférico superior, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
6. Batista LF, Hübscher C, Terrinha P, Matias L, Afilhado A (2018) Estrutura da Crosta na área de São Miguel – Açores, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
7. Branco R, Silva C, Cruz JV, Coutinho R, Freire P, Andrade C (2018) Concentração de radão (²²²Rn) em massas de água subterrânea na ilha de São Miguel, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
8. Da Silva CM (2018) Geodiversity and biodiversity at the crossroad of the “anthropocene”, Encontro Ciência 2018, 2-4 Julho 2018, Lisboa, Portugal
9. Dias R, Alves PH, Matos JX, Ressurreição R, Brum Da Silveira A (2018) Reinterpretação do Cenozóico da zona de Serpa com base em novos levantamentos geológicos (Folha 43-D Serpa escala 1:50 000), X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
10. Fandé MB, Lira CP, Antunes C, Penha-Lopes G (2018) Quantificação e mapeamento da extensão de inundações costeiras em Bissau, Guiné-Bissau: perspectiva em cenário de alterações climáticas, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
11. Fernandes R, Comunidade C4G (2018) O consórcio português de Infraestruturas de Investigação para Geociências, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
12. Fernandes R, EPOS Team (2018) EPOS: um projeto a longo-prazo para otimizar as Infraestruturas Europeias para as Geociências, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal

13. Ferreira P, Inverno C, Pinto A, Guimarães F, Monteiro JH, Calvo R, Barriga F (2018) Rochas hidrotermais e sulfuretos maciços polimetálicos submarinos associados ao campo hidrotermal do Lucky Strike, Crista Média Atlântica, Região dos Açores, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
14. Ferreira P, Mata J, Azinhaga P, Calvo R, Guimarães F, Pestana A (2018) Cartografia geológica da Meseta Norte (Península de Fildes) e da península de Barton, Antártida: fácies litológicas, química mineral e geoquímica da rocha total, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
15. Martins S, Barriga F, Petersen S, Milinovic J (2018) Caracterização de sedimentos marinhos hidrotermais da área TAG, Crista Média Atlântica a 26°N, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
16. Mata J, Martins S (2018) Petrological insights on the triggering mechanism of the 2014-15 Fogo eruption (Cabo Verde Archipelago), XIV Congresso de Geoquímica dos Países de Língua Portuguesa - XIX Semana de Geoquímica (XIV CGLP/XIX SG), 25-29 Março 2018, UTAD, Vila Real, Portugal
17. Quartau R, Ramalho R, Madeira J, Santos R, Rodrigues A, Roque C, Carrara G, Brum da Silveira A (2018) A morfologia submarina do arquipélago da Madeira: O papel dos processos gravíticos, erosivos e sedimentares na evolução dos flancos de ilhas vulcânicas oceânicas, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
18. Quartau R, Ramalho R, Rivera J, Orejas C, Tempera F, Afonso P, Ricchi A (2018) edifício vulcânico das Formigas e o seu relacionamento com o início do rift da Terceira, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
19. Ramalho R, Helffrich G, Cosca M, Thomas C, Quartau R, Madeira J (2018) A evolução geológica da ilha das Flores no Arquipélago dos Açores: o resultado de vulcanismo multifásico e de uma história complexa de movimentos verticais, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
20. Ramalho R, Helffrich G, Madeira J, Cosca M, Thomas C, Quartau R, Hipólito A, Rovere A, Hearty P, Ávila S (2018) A evolução geológica da ilha de Santa Maria no arquipélago dos Açores: uma revisão, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
21. Ramalho R, Quartau R, Madeira J, Rebelo A (2018) A geologia dos ilhéus das Formigas e o seu significado na compreensão da evolução do Rife da Terceira, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
22. Ribeiro J, Machado G, Moreira N, Flores D (2018) Caracterização petrográfica do carvão da Bacia de Santa Susana, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
23. Santos R, Quartau R, Rodrigues A (2018) Morfologia do fundo marinho das ilhas Selvagens (Arquipélago da Madeira) com origem em processos sedimentares, de erosão, gravitacionais e vulcânicos, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
24. Sousa P, Trigo R (2018) Unraveling the main climate mechanisms associated to the “Day zero” drought in Cape Town, Encontro Ciência 2018, 2-4 Julho 2018, Lisboa, Portugal
25. Trigo RM (2018) Impacto das alterações climáticas nos extremos climáticos em Portugal, Congresso Anual Física 2018, 29 Agosto – 1 Setembro 2018, Covilhã, Portugal

26. Veludo I, Dias N, Fonseca PE, Matias L, Carrilho F, Haberland C (2018) Estrutura sísmica crustal de Portugal continental e o papel da herança Varisca, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
27. Vicêncio H, Teves Costa P, Caetano PS (2018) Avaliação de risco sísmico em áreas urbanas: determinação de Vs30 para os concelhos do Barreiro e Setúbal, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal

National conference proceedings - posters

1. Andrade C, Viveiros F, Cruz JV, Branco R, Coutinho R (2018) Emissão de CO₂ na Lagoa do Fogo (São Miguel, Açores): resultados preliminares, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
2. Caldeira R, Rodrigues M, Guedes A, Rodrigues P, Guimarães F, Costa E Silva M, Moreira M, Ferreira P, Gonçalves M, Figueiras J, Ferreira A, Epos- Ip Wp16 Team (2018) A participação do C4G no EPOS-IP WP16: multiscale laboratories, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
3. Fernandes R, Bos M, Dumont S, Martins B, Miranda E, Oliveira C, Almeida P (2018) Detecção das deformações do vulcão do Fogo (Cabo Verde) usando dados geodéticos, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
4. Telhado FM, Solá AR, Bento Dos Santos T, Chichorro M, Calvo R, Pereira I (2018) A geoquímica da região de Alcaçovas revisitada: implicações geodinâmicas e cartográficas, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal
5. Youbi N, Bouougri EH; Lahna AA, Kouyaté D, Tassinari CCG, Admou H, Mata J, Boumehdi MA, Bensalah MK, Basei MAS, Sato K, Ernst RE, Söderlund U, Chaib L, Bairouk L, Gärtner A, Linnemann U, Ikenne M, Bodinier J-L (2018) A Grande Província Ígnea de Iguerda-Taifast (ca. 885 Ma) no Anti-Atlas (Marrocos-Cratão Oeste Africano): os enxames de diques máficos de Ifzwane e os vulcanitos máficos do Grupo Tizi n'Taghatine, X Congresso Nacional de Geologia, 10 – 13 Julho 2018, Açores, Portugal

PhD Thesis

1. Andreia Filipa da Silva Pereira (2018) [Investigation of fin whales using ocean bottom recordings](#), PhD thesis (Ciências do Mar), Universidade de Lisboa / University of St. Andrews, supervision **Luís Matias**, Len Thomas, Peter Tyack
2. Fabiano Mota da Silva (2018) [Aplicação de métodos geofísicos, geológicos e detecção remota, na investigação da sismicidade induzida na barragem do Castanhão, região nordeste do Brasil](#), PhD thesis (Ciências Geofísicas e da Geoinformação – Geofísica), Universidade de Lisboa, supervision **Fernando Monteiro Santos**, Raimundo Mariano Gomes Castelo Branco
3. Joana Alves Ribeiro (2018) [Magnetotelluric studies in detecting an old suture zone and major crustal scale shear zones \(Iberia\)](#), PhD thesis (Ciências Geofísicas e da Geoinformação – Geofísica), Universidade de Lisboa, supervision **Fernando Monteiro Santos**, Manuel Francisco Pereira
4. Luísa Andrade e Sousa Lamas (2018) [Cross-shelf flow forced by daily variable winds in the presence of a cape](#), PhD thesis (Ciências Geofísicas e da Geoinformação – Oceanografia), Universidade de Lisboa, supervision **Álvaro Peliz**, Patrick Marchesiello
5. Maria João Chinita Candeias (2018) [Dynamics of the moderately stable boundary layer](#), PhD thesis (Ciências Geofísicas e da Geoinformação – Meteorologia), Universidade de Lisboa, supervision **Pedro Miranda**, Georgios Matheou, João Teixeira
6. Nuno Miguel Rocha Martins (2018) [Impact of fine particle pollution on the natural ventilation potential of commercial buildings](#), PhD thesis (Sistemas Sustentáveis de Energia), Universidade de Lisboa, supervision **Guilherme Carrilho da Graça**
7. Ricardo João Viegas Ressurreição (2018) [Evolução tectono-estratigráfica cenozóica do litoral alentejano \(sector Melides-Odemira\) e enquadramento no regime geodinâmico actual](#), PhD thesis (Geologia – Geodinâmica Interna), Universidade de Lisboa, supervision **João Cabral**, Ruben Pereira Dias
8. Sara Regina Teixeira Freitas (2018) [Photovoltaic potential in building façades](#), PhD thesis (Sistemas Sustentáveis de Energia), Universidade de Lisboa, supervision **Miguel Brito**, **Paula Redweik**
9. Sofia Nunes Lorena Ermida (2018) [Harmonization of remote sensing land surface products, correction of clear sky bias and characterization of directional effects](#), PhD thesis (Ciências Geofísicas e da Geoinformação - Detecção Remota), Universidade de Lisboa, supervision **Carlos da Câmara**, **Isabel Trigo**, Catherine Prigent
10. Umberto Andriolo (2018) [Nearshore hydrodynamics and morphology derived from video imagery](#), PhD thesis (Geologia – Geodinâmica Externa), Universidade de Lisboa, supervision **Rui Taborda**, **Cristina Lira**
11. Virgílio Alexandre da Silva Marques Bento (2018) [The use of remotely sensed land surface temperature for climate monitoring](#), PhD thesis (Ciências Geofísicas e da Geoinformação - Detecção Remota), Universidade de Lisboa, supervision **Carlos da Câmara**, **Isabel Trigo**

MSc Thesis

1. Ana Catarina Courela Ricardo (2018) [Análise multitemporal de imagens de satélite para cartografia de produtos hortícolas](#), MSc thesis (Engenharia Geográfica), FCUL, supervision **João Catalão**, Ana Navarro
2. Ana Filipa Silva Fernandes (2018) [Caracterização da planície litoral da Manta Rota entre Vila Real de Santo António e Monte Gordo](#), MSc thesis (Geologia do Ambiente, Riscos Geológicos e Ordenamento do Território), FCUL, supervision **Conceição Freitas, César Andrade**
3. Ana Francisca Prista Caetano Ferrari (2018) [Impacto das alterações climáticas no recurso solar em África](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Pedro M. Soares, Rita M. Cardoso**
4. Ana Rita Alexandre Raposo (2018) [Estratégia de Mobilização de investimentos para a melhoria do desempenho energético do parque imobiliário](#), MSc thesis Engenharia da Energia e do Ambiente), FCUL, supervision **Guilherme Carrilho da Graça**, João Correia Bernardo
5. Ana Rita Braga Mendes (2018) [Caracterização da contaminação do solo através da utilização de técnicas de magnetismo ambiental: exemplo da Central Termoelétrica do Ribatejo](#), MSc thesis (Ciências Geofísicas - Geofísica Interna), FCUL, supervision **Eric Font**
6. Analdyne Mandinga da Cruz Soares (2018) [Caracterização da Actividade Sísmica de Monchique](#), MSc thesis (Ciências Geofísicas - Geofísica Interna), FCUL, supervision **Susana Custódio**
7. André Filipe Apolinário Henriques (2018) [Relação entre o indicador de pobreza energética e as temperaturas do ar medidas no interior de habitações na região da Grande Lisboa](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**
8. André Vinhas da Costa (2018) [Estratigrafia sísmica da plataforma continental ao largo da cadeia da Arrábida: contributo para o conhecimento da evolução pós-miocénica](#), MSc thesis (Geologia – Geologia Estrutural), FCUL, supervision **Nuno Pimentel**, Aurora Rodrigues
9. Ângelo Roldão Soares (2018) [Desenvolvimento e teste de um protótipo móvel com sensores low cost](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Guilherme Carrilho da Graça**
10. António Loja Andrade Costa (2018) [Estudo de método de texturização assistida por metal](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **José Silva**
11. Bárbara Marisa Vicente da Fonseca (2018) [Luminescência de células solares](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Killian Lobato, José Silva**
12. Beatriz Robalo Coelho (2018) [Guia de Boas práticas de eficiência energética no setor residencial](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision Ana Rita Antunes, **Marta Panão**
13. Bernardo Pessoa Camocho Tavares (2018) [Recolha e Análise de dados para Estudo local de Potencial Fotovoltaico com recurso a Drones](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, João Gomes Mota
14. Cassiana Faria Mordomo (2018) [Potencial PV no Espaço Público Urbano](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Killian Lobato**, Teresa Santos

15. Catarina Alexandra Preto Alonso (2018) [Desenvolvimento de mapas de vulnerabilidade da agricultura à seca em Portugal](#), MSc thesis (Ciências Geofísicas – Meteorologia), FCUL, supervision **Célia Gouveia, Ana Russo**
16. Cátia Dimas Morgado (2018) [Caracterização de reservatórios siliciclásticos do Cretácio Inferior da Bacia Lusitânica](#), MSc thesis (Geologia – Estatigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Nuno Pimentel**
17. Christof Omar (2018) [Estudo de métodos para a conversão da energia das ondas oceânicas](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, Roberto Gamboa
18. Cristiana de Jesus Paulo Esteves (2018) [Palynofacies and palynostratigraphy of the pennsylvanian Brejeira formation, SW Portugal](#), MSc thesis (Geologia – Estatigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Nuno Pimentel**, Gil Monteiro Jacinto Machado
19. Daniela Batista Pinheiro (2018) [Centralized Solar PV generation forecast from the perspective of a distribution system operator](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, Margarida Pedro
20. Diogo Manuel Fonseca Canelas (2018) [Aplicação do Fall Cone Test na estimativa da resistência ao corte não drenada de solos coesivos](#), MSc thesis (Geologia Aplicada – Geologia da Engenharia), FCUL, supervision **Maria Isabel Fernandes**, Maria Graça Lopes
21. Esmeraldina João Custódio (2018) [Caracterização petrográfica de reservatórios siliciclásticos da Fm. Lourinhã \(Jurássico Superior, Bacia Lusitânica\)](#), MSc thesis (Geologia – Estatigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Nuno Pimentel**
22. Filipe Miguel Ribeiro da Fonseca (2018) [Avaliação do impacto da introdução de cargas auxiliares na autonomia de veículos elétricos](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Carla Silva**, Pedro Nunes
23. Filipe Morgado Telhado (2018) [Petrologia e geoquímica do Ortognaisse das Alcáçovas e rochas associadas : contributo para a compreensão da evolução geodinâmica da zona de Ossa](#), MSc thesis (Geologia – Geoquímica, Mineralogia, Petrologia), FCUL, supervision Ana Rita Solá, **Telmo Bento dos Santos**
24. Henrique Manuel do Carmo Ferreira Fernandes (2018) [Avaliação do desempenho Energético de Edifícios da Administração Central](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**, Pedro Costa
25. Inês Barroso Andrade (2018) [Estudo paleoecológico e biostratigráfico do Cenomaniano da região de Lisboa \(Lousa-Salemas\) baseado em ostracodos e microfácies](#), MSc thesis (Geologia – Estatigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Maria Cristina Cabral, Ana Cristina Azerêdo**
26. Inês Maria Mira Martinho (2018) [Potencial de Glare devido a sistemas PV em meio urbano](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, Sara Regina Freitas Teixeira
27. Jéssica Andreia Ferro Salvador (2018) [Plano de Ação para a Energia Sustentável do Município de Loures: Análise de progressos](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **João Serra**, Sara Ramos
28. João Alexandre Ferreira Dias Costa (2018) [Análise dos Impactos Energéticos de Veículos Autónomos](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision Pedro Nunes, **Carla Silva**

29. João Pedro Leal Carreira (2018) Edifícios Sustentáveis: Análise energética, económica e do ciclo de vida de edifícios de habitação, MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão, Carla Silva**
30. Jorge Manuel Nunes Mourato Colaço (2018) [Estudo do sistema energético para adegã autossuficiente](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Guilherme Carrilho da Graça**, Nuno Mateus
31. José Maria Mota Dias Miranda Alves (2018) Segmentação socioeconómica das freguesias de Portugal Continental, MSc thesis (Sistemas de Informação Geográfica – Tecnologias e Aplicações), FCUL, supervision **Cristina Catita**, Rita Matildes
32. José Miguel Dias Caixeiro (2018) [Avaliação numérica de bombas de calor assistidas por coletores solares no aquecimento de habitações para o clima de Portugal](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**, Carolina de Sousa Fraga
33. Luís Carlos Claudino Teixeira da Silva (2018) [Decentralized Solar PV generation forecast based on peer-to-peer approach](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, Margarida de Almeida Pedro
34. Luís Miguel Resende Martins (2018) [Development of a multiple orientation solar radiation sensor](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**
35. Manuel Maria Maia Marques Líbano Monteiro (2018) [Desenvolvimento de um método de deteção e análise de falhas em centrais fotovoltaicas por termografia](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **José Silva**
36. Márcio Rúben Rodrigues Sobral (2018) [Avaliação do potencial fotovoltaico flutuante em Portugal](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, António Ermida Mano
37. Maria Margarida Pires Ramalho (2018) [Avaliação da Consistência da Deformação Sísmica nos Modelos de Recorrência usados no cálculo Probabilística da Perigosidade Sísmica](#), MSc thesis (Ciências Geofísicas - Geofísica Interna) FCUL, supervision **Luís Matias**
38. Mariana do Amaral Frazão Queiroz de Andrade (2018) [Magnetic records of acidification events at the cretaceous-paleogene \(KPg\) and paleocene-eocene thermal maximum \(PETM\) boundaries](#), MSc thesis (Ciências Geofísicas - Geofísica Interna), FCUL, supervision **Eric Font**, Thierry Adatte
39. Martim Duarte Amaral Cardoso Botelho (2018) [Valorização dos óleos alimentares usados com base na caracterização dos meios, pessoas e procedimentos](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision Carolina Gautier, **Carla Silva**
40. Mauro André Leonardo de Medeiros e Melo (2018) [Análise dos Efeitos das variáveis independentes nos consumos energéticos para aplicações em modelos ESCO](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**
41. Miriam dos Santos Sobral (2018) [Susceptibilidade à ocorrência de escorregamentos nas vertentes do limite Norte do Concelho de Almada utilizando métodos de base física](#), MSc thesis (Geologia Aplicada – Geologia da Engenharia), FCUL, supervision **Fernando Marques**
42. Mónica Filipa Rosa Coelho (2018) [Promoção do uso eficiente de água e energia em unidades de produção vitivinícola](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, João Luís Cardoso Lopes Barroso

43. Natacha Sofia Mouco Morais (2018) [Avaliação e melhoria do desempenho térmico na reabilitação de uma habitação familiar](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**, Filipa de Azevedo Menezes
44. Noa Leandro Romão Estes (2018) [Fachadas vivas: desenvolvimento de Protótipo de Sombreamento Passivo](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**
45. Pedro Miguel Cabral Sebastião de Medeiros Barbosa (2018) [Conceção de edifícios de construção sustentável e passiva na Bélgica com base nas ferramentas PHPP](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**
46. Pedro Teles Silva Marques Santos (2018) [Previsão de Consumo de eletricidade de uma comunidade rural: caso estudo Sídonge, Quênia](#), MSc thesis (Engenharia da Energia e do Ambiente, FCUL, supervision **Miguel Brito**, Bruno Lopes
47. Rafael Ferreira da Cruz Carreira (2018) [Determinação de fatores de sombreamento com recurso a modelos 3D](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Marta Panão**, **Miguel Brito**
48. Rafael Marques dos Santos (2018) [Segmentação de Geoinformação: Um caso de Estudo na área da Diabetes](#), MSc thesis (Sistemas de Informação Geográfica - Tecnologias e Aplicação), FCUL, supervision **Cristina Catita**, Rita Matildes
49. Rafael Pimenta Rebelo (2018) [Investigation of single-sided natural ventilation air flow penetration depth in an open plan office space](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Guilherme Carrilho da Graça**, Nuno Mateus
50. Ricardo Jorge dos Reis Sampaio Lourenço (2018) [Composição química e isotópica da Massa de Água Cársica da Bairrada: contributo para a consolidação do modelo conceptual do sistema aquífero](#), MSc thesis (Geologia Aplicada – Hidrogeologia), FCUL, supervision **Maria do Rosário Carvalho**
51. Ricardo Pedro Ferreira (2018) [Desenvolvimento de uma máscara facial para filtragem de partículas finas](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Guilherme Carrilho da Graça**, Ana Filipa Silva
52. Sara Lopes Pestana (2018) [Present-day thermal regime of the Pre-Salt of the Santos Basin, Brasil](#), MSc thesis (Geologia – Estratigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Nuno Pimentel**, Christian Horacio Niño-Guiza
53. Telmo Fernando Marcos Batalha (2018) [Estudo da Distribuição Espacial Hemisférica da Radiação Difusa ao longo do dia](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **João Serra**
54. Tiago Alexandre Francisco Lourenço (2018) [Estudo preliminar da correlação espacial de radiação solar e descritores de forma urbana: Aplicação na cidade de Lisboa](#), MSc thesis (Engenharia da Energia e do Ambiente), FCUL, supervision **Miguel Brito**, **Cristina Catita**
55. Vanessa Salgueiro Pais (2018) [Ostracodos da passagem Jurássico médio-superior da Bacia Lusitânica, praia de Pedrogão \(Leiria\)](#), MSc thesis (Geologia – Estratigrafia, Sedimentologia e Paleontologia), FCUL, supervision **Maria Cristina Cabral**
56. Widnélia Nils Manuel Lopes (2018) [Caracterização física e petrográfica de rochas para fins ornamentais](#), MSc thesis (Geologia – Geoquímica, Mineralogia, Petrologia), FCUL, supervision **Maria Isabel Fernandes**, Maria Matilde Mourão de Oliveira Carvalho Horta Costa e Silva