

Mafalda Marques Carapuço | *Curriculum Vitae*

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Synopsis

BEng degree with a major in Environmental Engineering, an MSc in Marine and Coastal Systems and a PhD in Geology. After working in coastal geomorphology (research) and as an environmental manager (private sector), I joined The Portuguese Institute for Sea and Atmosphere (IPMA - *Instituto Português do Mar e da Atmosfera*) and, since 2017, I'm the Coordinator of the Research Vessels and Ocean Observatories Group of IPMA while representing IPMA in several initiatives such as the European Research Vessel Operator, International Research Vessel Operator and European Marine Board. I'm also an External Collaborator of the Instituto Dom Luiz since 2016.

Projects

2020 - *onwards*: Research Vessel Mar Portugal Hull Mounted Scientific Equipment (PDP3). Funded by EEA Grants. Coordinator of the project.

2019 - *onwards*: EMSO-PT (European Multidisciplinary Seafloor and Water Column Observatory (Portugal)). Funded by FCT - the Portuguese national funding agency for science, research and technology.

2020 - *onwards*: Atlantic Observatory – Data and Monitoring Infrastructure (PDP2). Funded by EEA Grants.

2019 - *onwards*: OceanTech - Operational Management System based on Intelligent Robotic Vehicles for the Global Ocean Exploration from Portugal [website: <http://oceantech.pt/>]. Coordinator of the participation of the IPMA.

2019 – *onwards*: EMSO-ERIC (European Multidisciplinary Seafloor and water-column Observatory - European Research Infrastructure Consortium). Advisor (delegate) of the Portuguese representation from the November 2019 General Assembly.

2017 - *onwards*: EUROFLEETS PLUS. An alliance of European marine research infrastructure to meet the evolving needs of the research and industrial communities [website: <https://www.eurofleets.eu/>]. Coordinator of the participation of the IPMA.

2019: Acquisition and Fitting of a Dynamic Positioning (DP) Vessel Equipped with Marine Surveying Equipment. Funded by EEA Grants. Coordinator (in 2019).

Projects (continuation)

2016: "The Nazaré Wave: a trigger for learning". Mecanismo Financeiro do Espaço Económico Europeu no âmbito do Programa PT02 – Gestão Integrada das Águas Marinhas e Costeiras (#PT02_2ºRPS_0008). Coordinator of the project.

2015: "The Beaches of Cascais: past and present". Faculty of Sciences of the University of Lisbon, Cascais Municipality, Portuguese Environment Agency. Coordinator of the project.

2013 - 2015: Shoreface morphodynamics: an integrated approach, PTDC/MAR-EST/3485/2012. Drago T, Peliz A, Dias J, Gaspar M, Ferreira Ó, Cascalho J, Relvas P, Taborda R, Carapuço M, Lira C, Ribeiro M, Bosnic I, Henriques V, Moura A, Teixeira S, Silva A, Garel E, Carvalho A, Bouzas A, Sandoval U, Junior EP. PTDC/MAR-EST/3485/2012. Funded by FCT - the Portuguese national funding agency for science, research and technology.

2011- 2014: Beach to Canyon Head Sedimentary Processes. PTDC/MAR/114674/2009. Taborda R, Duarte J, Silva A, Oliveira A, Bizarro A, Fernandes C, Lira C, Bosnic I, Cascalho J, Pombo J, Lopes L, Rosa L, Carapuço M, Ribeiro M. Funded by FCT - the Portuguese national funding agency for science, research and technology.

2010- 2013: Consultoria para a Criação e Implementação de um Sistema de Monitorização do Litoral abrangido pela área de Jurisdição da ARH do Tejo. Andrade C, Marques F, Taborda R, Freitas MC, [...], Carapuço M, [...]. Funded by the Portuguese Environment Agency.

1999- 2006: Environmental Strategic Evaluation of the Tróiaresort. Andrade F, Melo J, [...], Carapuço M, [...]. IMOAREIA – Investimentos Turísticos SGPS, SA/Sonae Turismo.

Selected publications (last 10)

1. Carapuço MM, Taborda R, Silveira TM, Andrade C. How to foster scientific knowledge integration in coastal management (*submitted*).
2. Carapuço MM, Taborda R, Silveira TM, Andrade C. Triggers in ocean sciences communication: "The Nazaré Wave: a trigger for learning" (*submitted*).
3. Carapuço MM, Taborda R, Silveira TM, Andrade C. 2017. Upstream public engagement on coastal issues: Audience response to a science-based exhibition. *Ocean & Coastal Management* 144:83-89.
4. Silveira TM, Taborda R, Carapuço AM, Andrade C, Freitas MC, Duarte JF, Psuty NP. 2016. Assessing the extreme overwash regime along an embayed urban beach. *Geomorphology*, 274: 64-77.
5. Carapuço MM, Taborda R, Silveira TM, Psuty NP, Andrade C, Freitas MC. 2016. Coastal geoindicators: Towards the establishment of a common framework for sandy coastal environments. *Earth-Science Reviews* 154: 183-190.

Selected publications (last 10 - continuation)

6. Carapuço, MM. Precautionary principle. In: M.J. Kennish (ed). Encyclopedia of Estuaries, DOI 10.1007/978-94-017-8801-4, ©Springer Science+Business Media Dordrecht 2015.
7. Carapuço, MM. Sustainable use. In: M.J. Kennish (ed). Encyclopedia of Estuaries, DOI 10.1007/978-94-017-8801-4, ©Springer Science+Business Media Dordrecht 2015.
8. Diogo Z, Bastos A, Lira C, Taborda R, Andrade C, Silveira TM, Ribeiro M, Silva NA, Carapuço MM, Pinto CA, Freitas, MC. 2014. Morphological impacts of Christina storm on the beaches of the central western Portuguese coast. *Comunicações Geológicas* 101, Especial III: 1445-1448.
9. Carapuço, MM, Taborda, R, Andrade, C, Freitas, MC. 2014. Improving coastal knowledge transfer between researchers and managers: a two-way route, in Cessa, M (ed). *Beaches: Erosion, Management Practices and Environmental Implications*. ISBN 978-1-63117-239-7.
10. Silveira TM, Carapuço AM, Sousa H, Taborda R, Psuty NP, Andrade C, Freitas MC. 2013. Optimizing beach topographic field surveys: matching the effort with the objectives. *Journal of Coastal Research* SI 65: 588-59

