

LIST OF NUMERICAL MODELLING OF HYDRODYNAMIC AND WATERS QUALITY

CLIENT	PROJECT/ASSESSMENT	DATE
COBA, SA	Characterization of maritime unrest on the coast to NE of the city of Beira, Mozambique	2020
EDGAR CARDOSO	Bi-dimensional model of the port bar of Figueira da Foz - Portugal	2019
OUTRAS PAISAGENS	Collaboration in the EIA of the project at the Quinta da Rocha in Alvor, study of the potential flood areas	2018
AGRIPRO	Impact study on the hydrodynamics in the Arade estuary for the EIA of the project of deepening and enlargement of the navigation channel of the port of Portimão. Algarve	2018
SANDRO LOPES, Architecture & Design	Intervention in the maritime sector of the Tourism Development Project CORAL SUN SET- Cap Vert	2018
JETsj	Simulation study by mathematical model of the Preliminary Study of the diversion of the flow of Rio Novo do Príncipe river	2017
ENAPOR, Port Administration Company of Cape Verde Republic	Hindcast Data for Sal-Rei, NOAA data updat	2016
CEM, COMPANHIA DE ELECTRICIDADE DE MACAU	Numerical Modelling for the CEM	2015-2017
SKANDIA TEAM GBR 2008	Mathematical modelling of tide and wind induced currents at Cascais coastal zone. Daily prevision during sailing championship - ISAF 2007	2007
APL - ADMINISTRAÇÃO DO PORTO DE LISBOA [<i>Lisbon Port Administration</i>]	Identification of the Impactes Morfodinamic Associates to the Interventions of Dredging in the Region of the Bars of the Tejo	2007
SCET MAROC	Technical assistance during marine outfall construction of the Port of Tanger	2006/2007
ALVES RIBEIRO	Verification of the dispersion of the effluent of Barreiro ETAR. Study in mathematical model	2006
SIMRIA - Sistema Multimunicipal de Saneamento da Ria de Aveiro [company responsible for wastewater management in the Aveiro lagoon - Portugal]	Sanitation system of Aveiro Lagoon and coastal zone Environmental Impact Study and numerical simulation of emergency waste water discharges Phase 1	2005/2006
ÁGUAS DO ALGARVE, SA [<i>Algarve Waters Company</i>]	Description of the salinity plume in the Guadiana Estuary. Project for alternative solutions for water intake in the Estuary of the Guadiana river.	2005/2006
CEM - MACAU ELECTRICITY CO. LTD.	Mathematical modelling for the Study of the thermal short circuit and environmental impact of the water cooling system Power Station CCA and CCB in Macao - China (Revision)	2005



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TECNINVEST - EMPRESA PORTUGUESA DE CONSULTORIA EM ENGENHARIA, PLANEAMENTO E GESTÃO, SA [<i>Portuguese Company of Auditing in Engineering, Planning and Management</i>]	Environmental Impact Study of the project of expansion of the wharf of solid granaries of SAPEC: hydrodynamic and sediment transport modelling in Sado estuary	2005
IPTM - INSTITUTO PORTUÁRIO E DOS TRANSPORTES MARÍTIMOS [<i>Institute for Ports and Maritime Transport</i>]	Environmental Impact Study to the proposed works in the pleasant harbour of Faro - study of the hydrodynamic, water quality and sediment transport	2004
CERTITECNA - ENGENHEIROS CONSULTORES, SA [<i>Engineering Consultants</i>]	Mathematical modelling for the Emergency Plans for Azores Ports	2004
AVEIRO UNIVERSITY	Three-dimensional hydrodynamic and water quality mathematical model off western portuguese coast	2003
APA - AVEIRO PORT ADMINISTRATION	Monitoring of hydrodynamics and water quality of Aveiro lagoon	2003
VWV - JOSÉ MORIM DE OLIVEIRA	Simulation of the dispersion of effluent in the sea for the Study of the residual water rise and treatment at Angra do Heroísmo	2003
ONE - OFFICE NATIONAL DE L'ELECTRICITÉ, MAROC [<i>National Office for Electricity of Morocco</i>]	Maritime conditions evaluation for Power Stations sites in Morocco	2002
INAG - INSTITUTO DA ÁGUA [<i>Water National Institute</i>]	Study for flood control in Agueda river basin / Numerical modelling of the Aveiro lagoon and rivers Águeda and Vouga	2001
SANEST - SANEAMENTO DA COSTA DO ESTORIL, SA [<i>Public Company for Wastewater Treatment for Cascais</i>]	Evaluation and Improvement of the Estoril Coast Wastewater System: Mathematical Model of the Dispersion of Guia Wastewater Discharges	2001
J. L. CÂNCIO MARTINS, LDA.	Study of the sedimentary behaviour of the Tagus Estuary, between Algés-Trafaria	2001
APL - ADMINISTRAÇÃO DO PORTO DE LISBOA [<i>Lisbon Port Administration</i>]	Study and Preliminary Design for the Maintenance and Deepening of Tagus Bar	2000
ODEBRECHT / BPC / RAMALHO ROSA / NOVOPCA	Mathematical modelling of the Project design of the jetties - Improvement of the navigability of River Douro entrance	2000
SANEST - SANEAMENTO DA COSTA DO ESTORIL, SA [<i>Public Company for Wastewater Management for Cascais</i>]	Environmental Impact Study of the works for the improvement wastewater management system of Estoril coast	2000



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MOROCCO GOVERNMENT	Mathematical modelling for the implantation of two Outfalls in the Agadir Coast	1999/2000
ARA-SUL - ÁGUAS DO SUL [South waters Administration]	Numerical Modelling of the Salinity Field in Espírito Santo Estuary (Mozambique)	1999
AMRIA - ASSOCIAÇÃO DE MUNICÍPIOS DA RIA DE AVEIRO [<i>Ria de Aveiro Municipalities Association</i>]	Project and execution of the submarine emissary of S. Jacinto - Technical assistance	1999
CMP - PENICHE MUNICIPALITY (via EDIFER)	Design and Construction of the Peniche Wastewater Treatment Plant: Mathematical Modelling of the Water Quality and Impact of Effluent Discharge on the Coast	1999/1998
CERTITECNA - ENGENHEIROS CONSULTORES, SA [<i>Engineering Consultants</i>]	Collaboration in the emergency plan of Sines harbour - Mathematical modelling of oil spill dispersion into the sea	1998
DRAOT ALENTEJO - DIRECÇÃO REGIONAL DO AMBIENTE E ORDENAMENTO DO TERRITÓRIO - ALENTEJO [<i>Regional Directorate for the Environemnt and Planning - Alentejo</i>]	Mathematical modelling for the Master plans of Sado and Mira river basins	1998
JAPA (via CERTITECNA - ENGENHEIROS CONSULTORES, SA)	Prediction of Dispersion of Hydrocarbon Discharges into Aveiro Lagoon within the Scope of the Elaboration of the Emergency Plan of Aveiro Harbour	1997/1998
JUNTA METROPOLITANA DE LISBOA [Lisbon Metropolitan Administration]	Mathematical Modelling of the Environmental Impact of Discharges From the Lisbon Wastewater Treatment Plant to the Tagus Estuary	1997
MACAO GOVERNMENT	Mathematical Modelling of the Aeration of the Lakes from Praia Grande Bay, in Macao: Application of a Tri-Dimensional Mathematical Model	1997
MACAO GOVERNMENT	Hydromorfologic Model of the Surrounding Waters of Macau	1996
INGEROP / ENTREPOSE - MONTALEV	Feasibility study of the use of the Tagus river water in the circuit of refrigeration of the installations of production and distribution of thermal energy of the EXPO'98	1996
VALORSUL - VALORIZAÇÃO E TRATAMENTO DE RESÍDUOS SÓLIDOS DA ÁREA METROPOLITANA DE LISBOA (NORTE), SA [<i>company responsible for waste management in the North Lisbon Metropolitan Area</i>]	Mathematical Modelling of Thermal Discharges in Cala do Norte, in the scope of the environmental impact study of the central office of treatment of urban solid residues of the cities of Amadora, Lisboa, Loures and Vila Franca de Xira	1996

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EDIA - EMPRESA PÚBLICA DE DESENVOLVIMENTO E INFRAESTRUTURAS DO ALQUEVA [<i>Public Administration for substructures and development of Alqueva - Alentejo</i>]	Coastal and Estuarine Dynamics of Guadiana River - Impact of the Construction of Alqueva Dam on Tide Propagation, for the EIA	1995
APL - ADMINISTRAÇÃO DO PORTO DE LISBOA [<i>Administration of Lisbon Port</i>] - Via CERTITECNA - ENGENHEIROS CONSULTORES, SA [Engineering Consultants]	Prediction of Dispersion of Hydrocarbon Discharges into Tagus Estuary, within the Scope of the Elaboration of the Emergency Plan of Lisbon Harbour, for APL (Administration of Lisbon Harbour)	1995
JUNTA METROPOLITANA DE LISBOA [<i>Lisbon Metropolitan Administration</i>]	Mathematical Modelling of the Environmental Impact of Discharges From the Lisbon Wastewater Treatment Plant of the Tagus Estuary	1995
INAG - INSTITUTO DA ÁGUA [<i>Water National Institute</i>]	Mathematical modelling of the salinity Intrusion in Mondego estuary for the ambiental rehabilitation	1995
CEDAE - RIO DE JANEIRO WATER AND DISPOSAL STATE COMPANY	Hydrodynamics and Water Quality Mathematical Modelling of the Guanabara Bay and Adjacent Coastal Waters (Brasil) - Preliminary Application	1995
GRIA - GABINETE DA RIA DE AVEIRO [<i>Ria de Aveiro's Office</i>]	Mathematical Modelling of Aveiro Lagoon - Integrated Management Based Upon a System of Models	1991
VIANA DO CASTELO MUNICIPALITY	Oceanographic studies in the receiving waters of the outfall of Viana do Castelo	1991
CONSULPLANO, ESTUDOS E PROJECTOS, S.A. [Studies and Projects]	Study of the Currents in Praia Grande (Macao), after the embankment construction	1990
MACAO GOVERNMENT	Embankment's Influence on the Current Pattern in Macao	1990
PORTUCEL - EMPRESA PRODUTORA DE CELULOSE, SA [<i>Cellulose Manufacturer Company</i>]	Improvement of the Discharge Conditions of Industrial Effluent into the Sado Estuary	1987
SMAS/CMC - SERVIÇOS MUNICIPALIZADOS DE ÁGUA E SANEAMENTO DA CÂMARA MUNICIPAL DE CASCAIS [<i>Cascais Municipality - Water and dredging services</i>]	Mathematical modelling for the dimensioning of a Submarine Outfall in Carcavelos	1985
LISBON MUNICIPALITY	Mathematical Model of the Tagus Estuary for the Prediction of Water Quality	1984
MACAO GOVERNMENT	Hydric Resources Management Plan of Macao - Estuarine Numerical Modelling	1983

