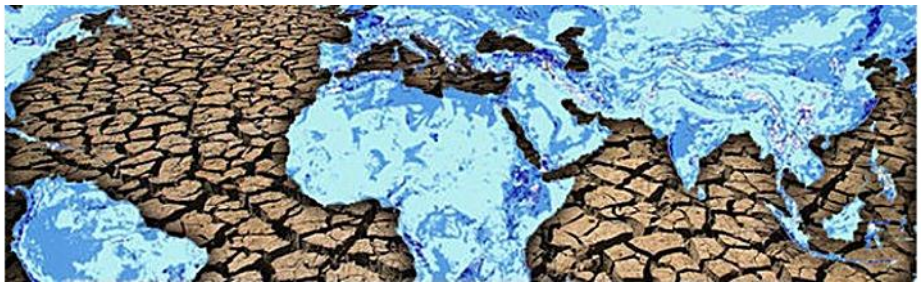
Commission for Water Sustainability



MEMBER PROFILE

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Study areas	
Countries / Regions	Portugal / Lisbon Metropolitan Area, Madeira, North, Center and South of Portugal Mainland

Topics of last three projects	
1	FMI 5000 Project - Environmental changes: Fluvio-marine interactions over the last 5000yrs, PTDC/CTE-GIX/104035/2008, from 2010 to 2014, financed by F.C.T., proponent institution Centre of Geographical Studies (CEG) of the University of Lisbon.
2	SECOA – Solutions for Environmental Contrasts in Coastal Areas, European Commission (Project n°: 244251 FP7-ENV.2009.2.1.5.1), from 2010 to 2013.
3	DISASTER Project - GIS database on hydro-geomorphologic disasters in Portugal: a tool for environmental management and emergency planning, PTDC/CS-GEO/103231/2008, from 2010 to 2013, financed by F.C.T., proponent institution Centre of Geographical Studies

	Topics of last 10 publications	**Publication links**
1	Paiva, I.; Ramos, C.; Cunha, L. (2016) – A especificidade da hidrodinâmica cársica: as exsurgências do bordo ocidental do Maciço de Sicó no contexto da Bacia Hidrográfica do Rio Arunca.	http://hdl.handle.net/10316/32286
2	Trigo, R.; Ramos, C.; Pereira, S.; Ramos, A.; Zêzere, J.; Liberato, M. (2016) - "The Deadliest Storm of the 20 th Century Striking Portugal: Flood Impactes and Atmospheric Circulation", Journal of Hydrology, 541, Elsevier, p. 597-610. ISSN: 0022-1694.	http://dx.doi.org/10.1016/j.jhydrol.2015.10.036
3	Paiva, I.; Ramos, C.; Cunha, L. (2015) - Quantificação e Distribuição Espacial da Recarga no Hidrossistema Cársico de Degracias-Sicó a partir do Método APLIS: abordagem metodológica inicial.	https://www.researchgate.net/publication/311981772
4	Leal, M.; Ramos, C. (2013) - "Susceptibilidade às cheias rápidas das bacias hidrográficas da AML Norte. Factores de predisposição e impactes das mudanças de uso do solo" (Susceptibility to flooding in Northern Lisbon Metropolitan area).	http://dx.doi.org/10.18055/Finis3129
5	Paiva, I.; Ramos, C.; Cunha, L. (2012) - "A Aplicação da análise de séries temporais (time series analysis) no estudo da dinâmica hidrológica dos sistemas cársicos. Primeiros resultados para o maciço de Sicó (Litoral-Centro de Portugal)".	http://www.periodicos.ufam.edu.br/revista-geonorte/article/view/1951
6	Ramos, C.; Leal, M.; Silva, P. (2011) - "Impactes das barragens nos regimes fluviais: comparação entre Vilarinho das Furnas (hidroeléctica) e Monte Novo (hidroagrícola)".	http://hdl.handle.net/10316.2/31187
7	Ramos, C.; Zêzere, J.; Reis, E. (2010) - "Avaliação da susceptibilidade aos perigos naturais da Região de Lisboa e Vale do Tejo"(Susceptibility assessment to natural hazards in the Lisbon and Tagus Valley Region). Revista Prospectiva e Planeamento, vol. 1.	http://www.ceg.ul.pt/descarga/Publicacoes_Download/CRamos/AvaliacaosusceptibilidadeperigosnaturaisRegi%C3%A3oLisboaValeTejo.pdf
8	Ramos, C.; Ramos-Pereira, A.; Azevêdo, T.; Sanchez-Cabeza, J. (2009) – Aplicação dos Isótopos Radioactivos 210Pb e 137Cs na Avaliação de Taxas de Sedimentação em Planícies aluviais. O caso da Lezíria do Tejo .	https://www.researchgate.net/publication/311965716
9	Ramos, C. (2009) – "Dinâmica Fluvial e Ordenamento do Território (Programa de Unidade Curricular do 2º ciclo)" (River Dynamics and Spatial Planning Master's book). SLIF- 6, Centro de Estudos Geográficos da Universidade de Lisboa, Lisboa, 96p. ISBN: 978-97.	http://www.ceg.ul.pt/descarga/Publicacoes_Download/CRamos/Din%C3%A2mica.pdf
10	Azevêdo, T.; Ramos-Pereira, A.; Ramos, C.; Nunes, E.; Freitas, M.C.; Andrade, C.; Pereira, D. (2007) - "Floodplain sediments of the Tagus River, Portugal: assessing avulsion, channel migration and human impact".	http://onlinelibrary.wiley.com/doi/10.1002/9781444304411.ch21/summary

Research interests in water

Climate & Water	Water in arid areas	Arctic water	Water cycle	Atmospheric water	Glaciers & Cryosphere					
Hydrological extreme events	Floods	Droughts	Ice phenomena							
Water flow	Catchment processes	Run-off generation	Groundwater-Surface water interactions	Hyporheic processes	Interstitial water	Porewater	Alluvial water			
Surface water	Limnology	Fluvial dynamics	Continental scale processes	Dams / Reservoirs	Sediments	Rivers	Floodplains			
Ground water	Soil water	Karst water	Hydrogeology	Recharge						
Marine Environment	Coastal waters	Estuarian waters								
Aquatic habitats/ Ecosystems	Wetlands	Lakes	Peatlands	Rivers						
Water availability	Water utility	Water storage	Dams / Reservoirs	Water scarcity	Supply & Distribution	Water allocation	Water restrictions			
Modelling and GIS	Hydro GIS	Groundwater modelling	Surface water modelling	Remote sensing						
Water quality	Pollution	Purification	Hydrochemistry	Treatment	Desalination	Waste water	Sewage			
Water & Health	Water & Sanitation	Water & Food	Waterborne diseases	Drinking water	Water purification					
Water & Energy	Water-Energy nexus	Water for energy	Energy for water	Water, Food & Energy						
Water management/ policy	Integrated Catchment management	Integrated water resource management	Water loss	Reticulation & Supply	Transboundary water					
Water use	Urban	Agricultural	Mine water	Industrial	Grey water	Green water	Blue water	Return water	Water sustainability	Competing water use
Water Law & Economics	Water trade	Virtual water	Privatisation	Water as public good	Right to water	Bills & Laws	Affordability			
Socio-political aspects	Water history	Water wars	Water & Poverty	Access to water						