

IST – LNEC Joint doctoral Initiative

Doctoral program: Civil Engineering and Environmental Engineering

Thesis Topic Proposal Form

TITLE: Performance appraisal of strategic integrated water resources management options
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<p>The objective of the proposed doctoral research topic it is to contribute to the improvement of water resources management strategies and practices, especially during drought periods, aiming at reducing both environmental impacts and impacts on water dependent socio-economic activities. This analysis also aims to contribute to long term climate change adaptation, as part of a continuous learning adaptation process.</p>

<p>Based on the application of the WEAP model ("Water Evaluation And Planning" system) to two different river basins, the performance of different strategic water resources management and planning options, in normal and abnormal (drought) situations will be addressed. By this way, solutions for the improvement of the IWRM water at several levels (governance policy - water uses policies and stakeholders real participation -, operational IWRM, environmental protection, information, legal, institutional constraint issues, etc.) should be developed.</p>

Keywords: Water resources management, droughts, climate change adaptation
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SUPERVISORS	
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Planned start date: March 2018	Start institution (IST or LNEC): LNEC
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