

IST – LNEC Joint Doctoral Initiative

## Thesis Topic Proposal Form

<b>TITLE: Sustainable urban drainage systems: contributions to integrate blue-green-grey infrastructures</b>
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<b>Short Description</b> (max. 500 characters)
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Multipurpose drainage systems aim at enhancing the synergy of the blue (water) and green (vegetation) systems, reducing risks of flooding and enhancing ecosystem services. Several green-blue infrastructures have been built in Lisbon, but almost none have been monitored and assessed in integration with the traditional stormwater infrastructure (grey). This doctoral project aims at monitoring prototype and selected full-scale facilities, studying opportunities for improvement and assessing benefits of up scaling to the catchment/ urban planning scale.
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<b>Keywords:</b> Sustainable urban drainage systems (SUDS); flooding; water quality; ecosystem services
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<b>SUPERVISORS</b>
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Planned start date: 1 <sup>st</sup> March 2018
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Start institution: to be decided
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