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FACULDADE DE CIÊNCIAS E TECNOLOGIA
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Environment

Optimization of Treatment Systems Highway Runoff

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Objectives

This thesis aims to contribute to the advancement of knowledge in the field of treatment systems highway runoff, including the rationale, design criteria and effectiveness of treatment systems available, in particular, best management strategies and the assessment of treatment systems highway runoff due to several criteria.

The analysis results primarily focused on best management strategies. The procedure was also compared to the region and hydrological conditions, flow to be treated, the average daily traffic of roads under study, the removal efficiency of pollutants compared to treatment systems deployed and associated costs (investment and maintenance).

Methodology

To this end, we proceeded to the literature search, analysis of existing treatment systems, data collection and analysis systems deployed in the North, Centre and South of the country, including monitoring results.

Expected Results

Set treatment systems optimized according to the criteria studies.

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