



Master- Diplomarbeiten am Arbeitsbereich Umwelttechnik

Aktuelle Themen:

Improvement on Stormwater Management with the Implementation of LIDs – Application in Brazil

Inhalt: LID (Low Impact Development) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. For this project, the improvement of stormwater management will be analysed with the implementation of LIDs in a densely populated area with high precipitation rates in Brazil.

The student will be using an existing model of the area built with the storm and wastewater management software (SWMM). Various green infrastructures as rain gardens, swales and permeable pavements will be applied to the model. After that, the improvement it brings to the area will be analyzed by running different rainstorm events.

Main idea is to determine which type of LID or combination of LIDs would have the best positive impact in the area regarding runoff volume and water quality.



Thesis can be written in English or German.

Betreuer: Mariana Goncalves und Manfred Kleidorfer

Beginn und Dauer: 4-5 Monate; Beginn nach Vereinbarung

Kontakt: Mariana Goncalves, email: mariana.rengel-goncalves@student.uibk.ac.at



Universität Innsbruck
Arbeitsbereich Umwelttechnik
Technikerstrasse 13
6020 Innsbruck / Austria
Tel: +43 (0) 512 507 6921
Fax: +43 (0) 512 507 2911
<http://umwelttechnik.uibk.ac.at>
umwelttechnik@uibk.ac.at