

Current research- **Performance assessment of Porous pavements/fine media filter systems**

The particular aim of this research is to undertake a rigorous scientific assessment of the operations of stormwater harvesting systems that use porous pavements based on fine media granular filters. This will lead to the development of a robust modelling tool for the evaluation of such systems- a tool that can predict clogging of the filter over time, and its effect on treatment performance.

One of the main applications of such a tool would be for risk assessment and design evaluation of the stormwater harvesting systems using this technology. The understanding developed will contribute towards an improved performance and management of stormwater harvesting systems (SWHS) and enable them to become a reliable and sustainable source of water supply.

Related research interests

Water management, Water recycling, Urban Environmental Management, Corporate Environmental Management, Environmental Reporting, Industrial Ecology, Policy Analysis, Risk assessment.