



Abstract n°2143

Introduction

Managed aquifer recharge through percolation tanks is perceived as an option to counteract water shortage in India. However information on their efficiency is often lacking or restricted to a few (2-3) years, when available. Nevertheless, due to the high variability of water availability (due to variable monsoon seasons), long term assessment is needed.

In the following we present a methodology to build a complete water balance over 15 years using limited tools and considering only water surface and level monitoring over a short period of time (2 years). Using an accurate DEM of the tank and Landsat data, the past evolution of the tank can be reconstructed.



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Managed aquifer recharge in crystalline rock aquifers: assessment, potential and dynamics. Example from south India

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