

Assessing the Role of Water Research and Development Investment towards Water Security in South Africa: During the Five Years Period (2009/10 - 2013/14)

Authors : Hlamulo Makelane

Abstract : The study aims at providing new insights regarding research and development (R&D) public and private activities based on the national R&D survey of the past five years. The main question of the study is what role does water R&D plays on water security; to then analyze what lessons could be extracted to improve the security of water through R&D. In particular, this work concentrates on three main aspects of R&D investments: (i) the level of expenditures, (ii) the sources of funding related to water R&D, and (iii) the personnel working in the field, both for the public and private sectors. The nonlinear regression approach will be used for data analysis based on secondary data gathered from the South African nation R&D survey conducted annually by the Centre for science, technology and innovation indicators (CeSTII).

Keywords : water, R&D, investment, public sector, private sector

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