



Users' Workshop - South African Risk & Vulnerability Atlas

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Dr Gerhardus Diedericks has been employed as a senior researcher by the Natural Resources and the Environment unit of the Council for Scientific and Industrial Research (CSIR) in Stellenbosch since 2005.

He holds a PhD in Applied Mathematics from the University of Stellenbosch. Before joining the CSIR he was a lecturer at the University of Stellenbosch where he conducted research in the fields of flow through porous media and coastal processes.

He was also involved in developing and validating computer models capable of simulating various nearshore hydrodynamic and sedimentary processes.

At CSIR he specialises in the study of coastal processes which include wave propagation, hydrodynamics, sediment transport, shoreline changes and morphology. Applications range from modelling brine disposal for desalination plants, simulating shoreline changes for the diamond mining industry and modelling turbidity and water quality in dredging-related projects.

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