Invalid modifications and application of existing soil erosion models

Peter Kinnell

University of Canberra, Institute of Applied Ecology, School of Applied Science, Canberra, Australia
(peter.kinnell@canberra.edu.au)

The RUSLE is the most widely used erosion prediction model in the world. It's application in catchment scale models ignores some of the criteria that constrain the areas to which the model should be applied. Some modifications of the RUSLE model are used in some catchment scale models despite the fact that the modifications break fundamental mathematical rules.